

Performance of Single and Multiple System AM Stereo Decoder Receivers

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PERFORMANCE OF SINGLE AND MULTIPLE SYSTEM AM STEREO DECODER RECEIVERS

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In order to determine the feasibility of multiple system decoders for AM stereo receivers, the Institute for Telecommunications Sciences made a series of laboratory and field tests on certain commercially available AM stereo receivers. We also made tests that used an IC test set in order to directly compare the performance of a multiple system AM stereo decoder IC with the best available single system decoder IC. We have described the tests in detail that show the relative performance of the multiple system receivers to the performance of single system receivers. In analyzing the data, we have compared distortion, signal-to-noise ratio, and stereo detection capabilities of the receivers. These data were measured over a full range of audio frequencies from 50 to 10000 Hz, both without any interfering signals, and with interference. The interference was at both lower and upper adjacent channel frequencies and precisely offset from the desired carrier frequency by 15 and 25 Hz. We measured receiver performance, and obtained data for 3 levels of desired carrier amplitude, 3 levels of modulation, and for the full combination of stereo audio channel matrices. The analysis of these measured data show that multiple system ICs and the single system ICs perform comparably in the direct IC comparison. In addition, the IC test set receiver operating with the multiple system decoder compares favorably with the best high quality automobile receiver tested that uses a single system decoder IC. We have concluded that multiple system decoders are technically feasible and can function as well as the best currently available single system decoders. We found that one manufacturer has developed a multiple system decoder on a single IC that compares favorably with all of the existing single system decoders that were tested.

Key words: AM broadcasting; AM stereo; measurements; radio;
signal-to-interference

1. INTRODUCTION

1.1 Background

In 1982, the Federal Communications Commission (FCC) elected not to adopt a specific standard for AM Broadcast stereo modulation and demodulation. Instead the FCC decided to allow marketplace forces to make this determination. Within the United States, two systems are still actively contesting this

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market: the Independent Side Band system promoted by Kahn-Hazeltine and the Compatible Quadrature Amplitude Modulation (C-Quam)TM system developed by Motorola. Recently, NTIA (1987) conducted a survey of broadcasters and manufacturers to determine interest in AM stereo. NTIA noted that acceptance of AM stereo by broadcasters might be expedited if all receivers could decode both of the two available systems. The Institute for Telecommunication Sciences undertook a limited series of performance measurements on both single and multiple system AM stereo decoder receivers to determine their relative performance.

1.2 Objective and Approach

We talked with experts in the AM stereo industry, measured the performance of AM stereo receivers, AM stereo decoder ICs, and conducted field tests of receivers. The objectives of these tests were to examine automatic multiple system chip technology capable of receiving both C-Quam and Kahn systems to determine whether such technology can be developed without inherent unacceptable degradation to one or both such systems. Our approach centered on determining the relative performance of receivers and IC of both categories.

Discussions with several experts in the AM stereo industry, and with other semiconductor designers outside the AM stereo industry, indicate that great effort has been expended to design AM stereo decoders into integrated circuits (ICs). A number of factors are involved in any design decision, many of which are not purely engineering based. The design approach depends a great deal on the skill and creativity of the design team and their past experiences in similar efforts. It also depends upon vendor market strategies decided upon at the outset of development that are influenced by market analysis, cost projections and targets, and overall management philosophy. We did not attempt to factor any of these variables into our analysis, but rather note that in the case of stereo decoders, different IC manufacturers have made different decisions, many based upon the above factors.

Our analysis, therefore, examined a number of the receivers with current production ICs as part of their receiver circuitry. We also analyzed the performance of an IC test set receiver that contains both a pilot production

TM C-Quam is a Registered Trade Mark of Motorola Corporation

model of a multiple system AM stereo decoder IC and the best currently available single system production decoder IC. The results of these tests give a good indication of how stereo receivers that are used today (or may be used in the near future) perform in an AM stereo environment. At a minimum, if multiple system receivers perform as well as best available single system receivers then we believe multiple system receivers are technically feasible. If the receivers are not comparable in performance, then we must look at the other factors to see if there is some inherent limitation in the technical design that may cause the differences in performance.

We made the assumption that the receivers we have obtained locally are typical of each model. Depending on the manufacturer's quality control and production quality objectives, the spread of receiver performance may vary. The conclusions in this report are based on our sample set which may not represent the entire range of receiver performance. We believe however, that results obtained as to receiver performance are reasonable.

Experts both in and out of the industry told us that technically it is feasible to design automatic multiple system decoders¹, but with one substantial reservation. Specifically, it was indicated that the costs of the design and production of these decoders may be too high. While this assumption may or may not prove to be the case, we considered this question beyond the scope of the technical portion of our analysis. We do note, however, that there is at least one manufacturer who has chosen to produce an automatically switched multiple system stereo IC on a single chip. We performed limited tests on this IC to determine how well it performs relative to one single system IC.

2. STANDARDS FOR AM BROADCASTING

2.1 Signal Coverage Levels

The reception of AM broadcast signals usually is limited by atmospheric and galactic noise in rural areas and by man-made noise in urban areas. The FCC (1986) has defined the required signal strength that will provide primary

¹ Those receiver decoders which can automatically discern and switch between different types of AM stereo formats as opposed to decoders which have to be manually switched or decoders which can only receive one type of AM stereo format.

service based on typical atmospheric and man-made noise levels in the different areas, as shown in Table 1.

For the current measurements, we chose signal levels that would give equivalent field strengths of 10, 0.5, and 0.1 mV/m. The 10 and 0.1 mV/m fields represent the lower levels of primary service for the City Business and Rural areas respectively. The 0.5 mV/m level was chosen since one receiver² could not decode stereo at the 0.1 mV/m field strength.

Table 1. Required AM Broadcast Signal Strength for Primary Service by Noise Area

Noise classification	Groundwave or skywave field intensity necessary to provide primary service (mV/m)
City business areas	10 to 50
City residential areas	2 to 10
Rural	
all areas during winter	0.1 to 0.5
northern areas during summer	0.1 to 0.5
southern areas during summer	0.25 to 1

2.2 Signal-to-Interference Protection Ratios

When an AM broadcast station is assigned a class of operation, its signal is provided with a level of protection from co-channel and adjacent-channel interference. The levels of protected signal strength (FCC, 1986) are given in Table 2 for the AM station classes.

The FCC (1986) also specifies the required protection ratios that are to be provided between co-channel and adjacent-channel stations; those ratios are given in Table 3.

In our measurements we used 26 dB signal-to-noise interference ratios for the co-channel interference tests, and 0 dB S/I for the adjacent channel interference tests. We chose these levels as representative of the levels an AM stereo receiver could encounter in the coverage area.

² Receiver No. 4, see Table 4.

2.3 Modulation Levels

The FCC has established recommendations for AM and AM stereo broadcast modulation levels in part 73.1570 of the rules. They state:

"(a) The percentage of modulation is to be maintained at as high a level as is consistent with good quality of transmission and good broadcast service, with maximum levels not to exceed the values specified in paragraph (b).

Table 2. AM Broadcast Protected Service Contours

Class of station	Field intensity of signal protected from objectionable interference		Field intensity of allowable interference	
	Day <u>(groundwave)</u> (mV/m)	Night <u>(50% skywave)</u> (mV/m)	Day <u>(groundwave)</u> (mV/m)	Night <u>(10% skywave)</u> (mV/m)
I-A, I-B co-chan	0.1	0.5	0.005	0.025
adj-chan	0.5	0.5		
II-A	0.5	0.5	0.025	0.025
II-B, II-D	0.5	2.5	0.025	0.125
III-A	0.5	2.5	0.025	0.125
III-B	0.5	4.0	0.025	0.2
IV	0.5	-	0.025	-

Table 3. AM Broadcast Protected Signal-to-Interference Ratios

Channel separation of desired and undesired signals	Signal-to-interference ratio of desired to undesired signals		
	<u>groundwave</u> groundwave	<u>groundwave</u> 10% skywave	<u>50% skywave</u> 10% skywave
Co-channel	26 dB	26 dB	26 dB
Adjacent channel	0 dB	-14 dB	-

Generally, the modulation should not be less than 85% on peaks of frequent recurrence, but where lower modulation levels may be required to avoid objectionable loudness or to maintain the dynamic range of the program material, the degree of modulation may be reduced to whatever level is necessary for the purpose, even though under such circumstances, the level may be substantially less than that which produces peaks of frequent recurrence at a level of 85%.

(b) Maximum modulation levels must meet the following limitations:

(1) AM stations. In no case shall the amplitude modulation of the carrier wave exceed 100% on negative peaks of frequent recurrence, or 125% on positive peaks at any time.

(i) AM stations transmitting stereophonic programs not exceed the AM maximum stereophonic transmission signal modulation specifications of stereophonic system in use."

We chose to use 30 percent, 90 percent, and 125 percent modulation levels for our test as representative of levels a broadcaster might use with different types of programming material.

3. AM BROADCAST STEREO RECEIVERS

3.1 Single and Multiple System AM Stereo Decoders

Receiver manufacturers currently have two categories of IC stereo decoders available to them for the design of AM stereo receivers. One category of decoder demodulates only the C-Quam system. Receivers using multiple system decoders can demodulate both C-Quam and Kahn.

In theory, a single system decoder can correctly implement that system's demodulation algorithm and reproduce the left and right channels with minimum of degradation. If cost is not a constraint, a multiple system decoder could be developed composed of the separate decoders for each of the AM stereo systems and those separate decoders integrated into one large multiple decoder system. If we assume that the manufacturer will make engineering and cost compromises in combining the stereo decoder systems that would degrade their performance, then the multiple systems decoder may not perform as well as each of the single system decoders.

3.2 Categories of AM Receivers

We have divided the receivers that we have tested into the following categories:

- car receivers
- home audio system and table top receivers
- portable receivers.

Table 4 lists the characteristics of the receivers we have for the measurements, and a description is given in Appendix K.

Table 4. AM Stereo Receivers Available For Test

Receiver No.	Category	Decoder	Type
1	audio system	multiple system	Production
2	portable	multiple system	Production
3	car	multiple system	Production
4	audio (tuner)	C-Quam	Production
5	car	C-Quam	Production
6	car	C-Quam	Production
7	car	multiple system	IC test set
8	car	C-Quam	IC test set

We performed measurements on four car receivers; two that decode C-Quam only, and two that use multiple system decoders. Three were purchased locally for the measurements; the fourth was an IC test set with production receiver on loan from the manufacturer. Currently, the largest AM listening group is listeners in automobiles. More car AM stereo radios are available for purchase than any other category of AM stereo radios. The domestic car manufacturers are installing AM stereo receivers that have single system decoders; whereas some of the "aftermarket³" car radios that are available are capable of multiple system decoding.

We also performed measurements on three other receivers that were in the home audio system and portable categories. One was a C-Quam AM stereo tuner; another was a home audio system receiver that included an AM stereo section. The portable receiver was of the "boom-box" variety. The tuner and portable

³ Those radios installed by the consumer and not supplied as original equipment.

receivers were purchased locally and the home audio system receiver was provided to us by a manufacturer. Based upon information from various vendors and others, it is our belief that these equipments fairly represented a limited cross-section of the marketplace⁴.

4. DESCRIPTION OF THE LABORATORY MEASUREMENTS ON THE AM STEREO RECEIVERS

4.1 Purpose of the Laboratory Environment for the Measurements

The type of tests to determine the feasibility of multiple system decoders consisted of measurements with the decoders imbedded in receiver circuitry, tests performed directly on the decoders, or some combination of the above. Since the final judgment of acceptability is made by the listener after the signal has gone through broadcast station equipment and the receiver circuitry, we decided that the main tests should include as complete a system as possible. We also decided that we would test as many receivers as could be reasonably obtained from commercial sources that represent an adequate mix of equipment needed for these tests. In the main series of tests, we had planned to test at three rf frequencies, and to test both audio channels of the receiver. It became apparent as we got further into the testing, that not all of these parameters needed to be tested in all receivers. In this context, while we recognized that additional tests using a wider range of parameters and on additional receivers would give us a higher level of statistical confidence in the results, we believe that the tests performed were sufficient to prove the initial premise over the conditions tested. Thus, we measured performance through one audio channel, on one rf frequency, and concentrated on the automobile receivers, since we felt that the performance of AM stereo receivers in the mobile environment would be more critical to its ultimate success in the marketplace.

All of the measurements of signals include noise to some degree. In order to eliminate the effects of the unwanted noise, the usual engineering measurement technique is to measure the distribution of the signal plus the noise and determine a median value. The median value is assumed to be a

⁴ In letters to interested parties on February 10, 1987, we requested that equipment be supplied to support this measurement effort. We tested some of the receivers that were supplied in response to this request along with the receivers that were obtained from the retail marketplace.

measure of the desired parameter. This assumes that the noise has a particular form (white Gaussian distribution). The number of instantaneous signal-plus-noise samples that are required to define the distribution varies as a function of the relative amplitudes of the noise and signal data. In our measurements, we decided that 1) 11 instantaneous measurement samples would be adequate to define a given signal-to-noise distribution for the purposes of these tests; and 2) if the noise level caused a distortion reading of 30 percent or greater without any interference, then the results would be invalid and we would skip the remainder of the test for those specific parameters.

Consequently, we added a test that gave additional evidence of performance independent of receiver design. This test allowed switching between a single system decoder on one IC and a multiple system decoder on another IC while all external circuitry of the receiver remained constant.

To determine if the multiple system decoders perform as well as single system decoders, we asked the following question: Using standard receiver tests such as distortion measurements, does the multiple system decoder introduce more distortion than does a single system decoder under the same conditions? We performed a number of standard tests to answer this question. The broader question relating to whether the consumer can hear or is bothered by the increased distortion (if any) when listening to program material would require subjective tests that go beyond the scope of this study.

In this effort, we simulated broadcast conditions in a controlled laboratory environment by using commercial stereo processors, excitors, and signal generators to produce AM stereo signals. Instead of using program material for audio signals, we used tones to modulate the excitors/signal generators and produce Kahn or C-Quam system stereo signals. This approach represents the generally accepted engineering testing approach for this sort of analysis (IEEE, 1972). We duplicated various stereo matrix conditions, such as the left audio channel's amplitude and phase equal to the right audio channel's amplitude and phase or "left = right". We then "transmitted" the AM stereo signal to the AM stereo receiver that was under test. In the tests that were performed, the percent modulation, the stereo matrix, the signal level, and

interference level were set to identical and repeatable conditions for each receiver that was tested. In this manner, we produced data that could be used to compare the performance of one type of receiver to another.

4.2 Signal Generation and Measurement Equipment

Figure 1 shows the receiver and test equipment configuration for the measurements. The audio analyzer generated tones, with very low distortion, and measured and computed the total distortion⁵, audio signal-to-noise ratio, and audio voltage level of the audio output of the receiver. The stereo matrix

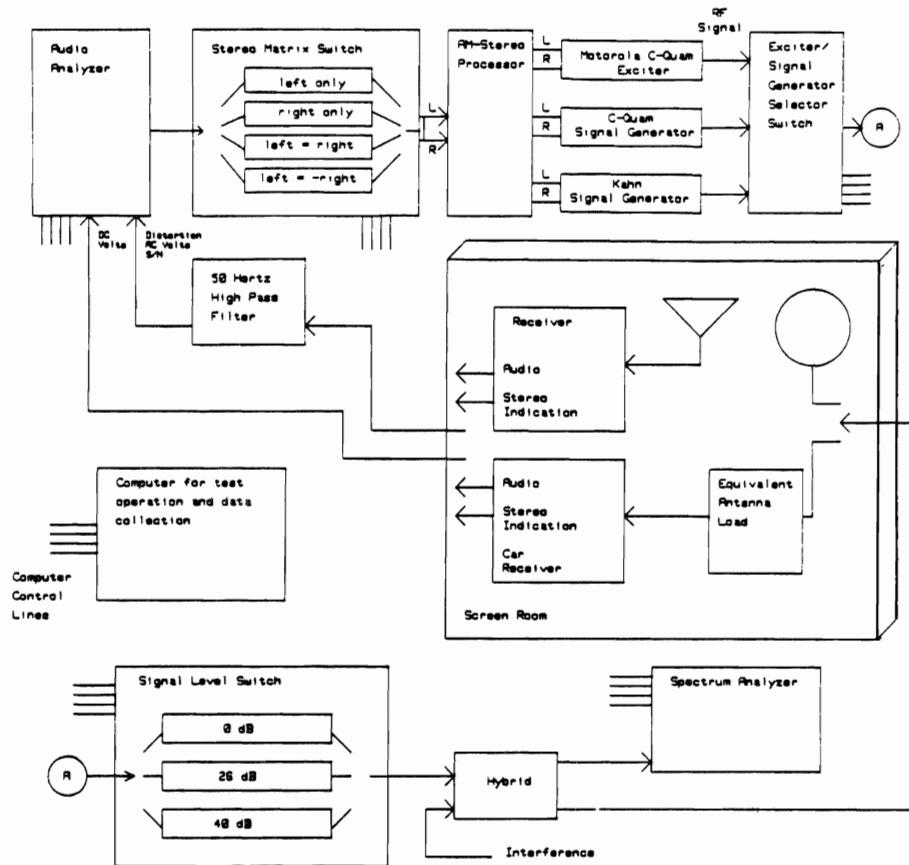


Figure 1. Block diagram of automated instrumentation used to measure distortion and other parameters of receiver performance.

⁵ Total distortion is defined as the rms voltage sum of the harmonics, interference, and noise divided by the fundamental frequency's rms voltage.

switch used the output of the audio analyzer to create a "left only" signal, a "right only" signal, "left = right" signals, or "left = -right" signals. For "left = -right", the left signal is out of phase by 180 degrees relative to the right signal but they are equal in amplitude. The AM stereo processor was a commercial processor that was configured for typical levels according to the users manual. The processor preemphasizes the audio signal with the preemphasis curve proposed as the standard by the National Radio Systems Committee (NRSC, 1987). The left and right outputs from the processor were fed in parallel to a C-Quam exciter (fixed tuned to 1330 kHz), a C-Quam signal generator, and a Kahn signal generator. An rf switch selected one of the signal generators or the exciter as the desired signal source. A second rf switch inserted attenuation of either 0 dB, 26 dB, or 40 dB in the signal path. With the 0 dB attenuation, either of the signal generators or the exciter produced an equivalent signal strength of 10 mV/m at the antenna of the receiver. The 26 dB attenuator produced a 0.5 mV/m field and the 40 dB attenuator produced a 0.1 mV/m field.

The interfering signal was generated as shown in Figure 2. A white noise source was frequency filtered to limit the noise to 10 kHz. The filtered output was used to amplitude modulate the rf signal generator at 90 percent modulation. The rf output of the signal generator simulated the interference signal and was summed with the desired signal in the hybrid shown at the bottom of Figure 1. The hybrid combines the signals while simultaneously isolating the input generators and output equipment.

The desired-plus-interference signal from the hybrid output was injected into the receiver under test which was placed in a screen room. The screen room ensured that the receiver was not subjected to other local "over-the-air" AM broadcast signals or to local interference. (The screen room and laboratory environment also removed atmospheric, galactic, and man-made noises from the measurements; these are noise sources that can limit the performance of AM broadcast receivers in the actual environment but were not included in these measurements.) The screen room in the middle of Figure 1 shows two routes for the desired plus interference signal. If the receiver under test had a ferrite loop antenna, a known rf field was then generated by a loop antenna. The procedure for ensuring a calibrated rf field is described in Appendix A. If a car receiver was under test, the desired-plus-interference signal was injected

directly into the receiver via a capacitive network that simulated the car's electrically short AM broadcast antenna typically used on automobiles. The audio output of the receiver was passed through a 50 Hz high pass filter to remove the stereo indicator tones at 15 or 25 Hz. The filtered output and a voltage indicating whether the receiver detected a stereo broadcast were then sent back to the audio analyzer for processing.

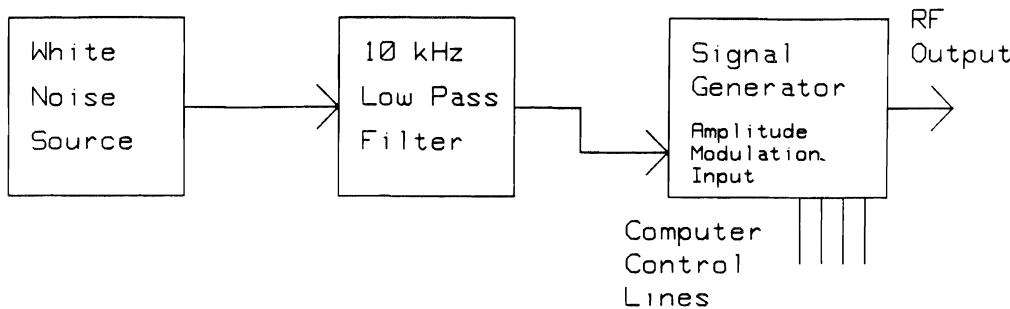


Figure 2. Block diagram of equipment used to generate noise modulated interfering signal.

4.3 Desired Signal Characteristics

As noted above, we operated the desired signal at three equivalent field strengths; 10.0, 0.5, and 0.1 mV/m. These values range over the defined levels at which AM receivers are expected to operate.

At each signal level, the rf carrier was modulated by the stereo pilot tone (at 4 to 5 percent modulation) and by a single audio frequency tone of 50 to 10,000 Hz at 30, 90, and 125 per cent modulation. The modulation levels were set with a single tone at 1000 Hz. The three modulations were chosen to simulate modulation levels that a classical music station might use, that a contemporary music station might use, and the level that any station might use during amplitude peaks of their program material.

The audio signals that modulated the signal generators and exciter were configured to produce the following stereo signal matrix:

left = right

left = -right

left only

right only.

The "left = right" condition should produce the same modulation as a monaural AM broadcast (plus the stereo pilot modulation). All stereo decoders must be able to demodulate this signal as if it were a monaural broadcast. The other three conditions stressed the decoders to the maximum extent; any decoder algorithm that is not properly implemented will show degraded performance (such as increased distortion) under these conditions.

4.4 Interfering Signal Characteristics

The interfering signal used in the tests simulated a monaural AM station with 90 percent modulation. The rf carrier frequency of the interference signal was varied relative to the carrier frequency of the desired signal to introduce either co-channel or adjacent-channel interference. During the co-channel interference measurements, the interference carrier frequency was precisely offset from the desired carrier by 25 Hz and 15 Hz. These offsets were chosen to stress the decoders since the C-Quam system uses a 25 Hz pilot and the Kahn system uses a 15 Hz pilot to indicate the presence of stereo. For the adjacent-channel interference measurements, the interference carrier frequency was offset by -10 kHz and then by +10 kHz relative to the desired carrier frequency.

The interfering signal level was set to 26 dB below the desired signal level for the co-channel interference measurements and to 0 dB below the desired signal level for the adjacent channel measurements. These levels correspond to the levels specified by the FCC (as noted in Table 3) for co-channel and adjacent channel protection. Another test was conducted to determine what protection ratios are adequate for stereo reception. During the measurement, the signal-to-interference ratio (S/I) was varied until a specified increase in distortion was noted. This measurement is defined in greater detail in Section 4.6 below.

4.5 Audio Signal-to-Noise Ratio Measurements

The audio output signal-to-noise ratio (S/N) measurements were made on the left channel of each receiver. The measurements were made under conditions of no interference, co-channel interference, and upper- and lower-adjacent-channel interference. The audio S/N is a measure of the quality of the signal with a higher S/N usually indicating a better quality. The International Radio

Consultative Committee (CCIR, 1986) defines an rf signal which produces an audio S/N of 26 dB at 30 percent amplitude modulation as being the signal which equals the minimum signal sensitivity of the receiver. The audio S/N will vary depending upon the signal attenuation (or enhancement) caused by the audio processor, the exciter/signal generator, or the receiver. It can also vary due to the amount of interference that is within the receiver bandpass and is at the audio output terminals. For the measurements undertaken, audio S/N measurements were made from 50 Hz to 10000 Hz.

4.6 Distortion Measurements

Distortion is a measure of the fidelity of the complete simulated broadcast system. Assuming we started with a distortionless input signal and if we measured no broadcast distortion at the receiver's output, then all of the end-to-end equipments would be performing in an optimum fashion. In reality each component (transmitter, receiver, etc.) of the system will add some distortion to the audio signal. For these measurements, the audio and rf signal generation equipment is common to all the measurements, so any distortion differences between receivers is caused only by the receivers themselves. The distortion measurements were made for the same conditions as the S/N measurements described in Section 4.5.

As discussed earlier in Section 2.2 of this report, the FCC has defined the protection ratios to be 26 dB and 0 dB for the co-channel and adjacent channel interference, respectively. We made a measurement that determined the desired-to-undesired signal ratio that increased the measured distortion level when an interfering signal was present by 10 percent over the distortion that was measured without an interfering signal. Thus, for example, if the distortion without an interfering signal was measured as 5 percent, then the interfering signal level was increased until the distortion measured 5.5 percent. If, for the co-channel case, the new desired-to-undesired signal ratio was less than 26 dB, then the FCC protection ratio of 26 dB is adequate to prevent any degradation. If the measured signal-to-interference ratio exceeded 26 dB, then the FCC protection ratio of 26 dB would not be great enough to protect the performance of the receiver under test from degradation.

5. DESCRIPTION OF THE FIELD MEASUREMENTS ON AM STEREO RECEIVERS

Measurements were also made of both Kahn and C-Quam signals broadcast from AM stations in the Salt Lake City region in order to confirm that the laboratory measurements were accurate even without the external mobile environment and noise. Salt Lake City was chosen because it represents the closest geographical location to Boulder, CO, with stations transmitting both commercial C-Quam and Kahn signals. The measurements were made by installing three of the car radios in a measurement van along with instruments that measured: 1) the van's location relative to landmarks; 2) the strength of the received signal; 3) the stereo indicator on each car receiver; and 4) the audio output of the receivers. We measured the signals broadcast from three different stations in the area over Interstate Highway 80 that went into the mountains east of the city. The following Tables 5 through 8 show snapshots every minute of some of the results of these measurements. There were regions where the receivers lost stereo, but this seemed to be dependent on which station broadcast the signal as much as it did the field strength. Results are consistent with the laboratory data that show receiver 5 has lower distortion over a wider audio frequency range than either receiver 3 or receiver 6. Receivers 7 and 8 were undergoing laboratory testing and were not available for the field tests.

6. DATA ANALYSIS

Appendices B through J provide the data from the automated laboratory measurements. Each appendix is for a separate receiver and for a specified rf frequency within the AM broadcast band. Figure 3 gives a sample from one of the appendices. The statement at the top of each page indicates which receiver was tested, the carrier frequency to which the receiver was tuned, the signal generator or exciter used as the source, the stereo matrix combination configuration, and the equivalent field strength of the test signal.

Below the statement are three sections of data on each page; each section lists the measured data for 30, 90, and 125 percent modulation respectively. Within each section, the independent variable is audio frequency which ranges from 50 to 10000 Hz. At each audio frequency, five interference conditions are introduced. The first condition shown is for no interference; the second and third conditions are for co-channel interference; and the fourth and fifth

conditions are for adjacent channel interference. Co-channel interference is indicated by the labels of "25 Hz OFFSET" and "15 Hz OFFSET". For these measurements, the carrier frequency of the interference source was precisely offset from the desired signal's carrier frequency by 25 Hz and 15 Hz, respectively. The adjacent-channel interference conditions are indicated by the labels of "-10 kHz OFFSET" and "10 kHz OFFSET". For these conditions the interference carrier frequency was adjusted to 10 kHz below the desired carrier frequency and then to 10 kHz above the desired carrier frequency.

Under the "NO INTERFERENCE" condition, three parameters were measured at each audio frequency. The first parameter shows whether the receiver indicated stereo or monaural mode, the second parameter, DS, provides the median distortion, and the third parameter, S/N, gives the median audio signal-to-noise ratio. Under the co-channel interference conditions, the same three parameters were measured while the desired-to-undesired signal ratio was set to the FCC protection ratio of 26 dB; these measurements are given under the label "@ 26 dB D/U". Next, the undesired signal was increased until there was a 10 percent increase in distortion over the value listed under the condition of no interference. The measured signal-to-interference ratio is listed under the column heading S/I and the associated stereo indication is listed next to it. For the co-channel interference cases, any S/I ratios which exceed 26 dB indicate the receiver is not protected from distortion degradation at 26 dB for the stated conditions. Similarly, for the adjacent-channel interference conditions, any S/I ratio which exceed 0 dB indicate degradation.

Some entries for the measured parameters in Figure 3 are filled with blanks. We elected not to make any measurements of parameters with interference present whenever the "no-interference distortion" exceeded 30 percent. Also there were measurements during which the measured value of a parameter was invalid. This occurred when the audio signal-to-noise power ratio was too low to obtain a useful distortion value, or the 10 percent increase in distortion measurement could not be completed, or some other mechanism that could not be detected by the automated measurement system invalidated the measure.

Table 5. Data Showing Time and Field Strengths and Stereo Indicators as a Function of Distance Going West Along Interstate Highway 80 for KBUG, (C-Quam) Starting at Exit No. 156

TIME (min)	DISTANCE (m)	SIGNAL (mV/m)	RECEIVER*		
			NO. 3	NO. 6	NO. 5
1	928	.02	M	M	M
2	2375	.03	M	M	M
3	3795	.02	M	M	M
4	5173	.02	M	M	M
5	6495	.02	M	M	M
6	7807	.03	M	M	M
7	9204	.02	M	M	M
8	10561	.07	M	M	M
9	12047	.03	M	S	M
10	13503	.02	M	M	M
11	15008	.03	M	M	M
12	16497	.03	M	M	M
13	17983	.02	M	M	M
14	19476	.04	M	M	M
15	20963	.05	M	M	M
16	22443	.04	M	S	M
17	23821	.02	S	M	M
18	25310	.02	M	M	M
19	26833	.04	M	M	M
20	28441	.02	S	M	M
21	30026	.03	M	M	M
22	31394	.02	S	S	M
23	32785	.06	S	S	S
24	34209	.08	S	S	M
25	35659	.05	M	M	M
26	36952	.05	M	M	M
27	38261	.06	M	M	M
28	39603	.05	S	S	M
29	40965	.11	S	S	S
30	42255	.23	S	S	S
31	43554	.40	S	S	S
32	44916	.93	S	S	S
33	46350	1.30	S	S	S
34	47813	.62	S	S	S
35	49303	3.72	S	S	S
36	50753	5.62	S	S	S
37	52089	6.10	S	S	S
38	53454	5.13	S	S	S
39	54786	4.47	S	S	S
40	56033	3.98	S	S	S

M = Monaural

S = Stereo

*Receiver No. 3 has a multiple system decoder and receiver Nos. 5 and 6 have a single system decoder.

Table 6. Data Showing Time and Field Strengths and Stereo Indicators as a Function of Distance Going East Along Interstate Highway 80 For KUTR, (C-Quam) Starting at Exit No. 310

TIME (min)	DISTANCE (m)	SIGNAL (mV/m)	RECEIVER*		
			NO. 3	NO. 6	NO. 5
1	961	13.96	S	S	S
2	2309	13.80	S	S	S
3	3936	19.28	S	S	S
4	5530	22.91	S	S	S
5	6964	9.02	S	S	S
6	8574	14.45	S	S	S
7	10217	11.61	S	S	S
8	11857	11.89	S	S	S
9	13391	13.03	S	S	S
10	14778	7.50	S	S	S
11	16159	3.13	S	S	S
12	17681	1.40	S	S	S
13	19283	.72	S	S	S
14	20815	.97	S	S	S
15	22374	.75	S	S	S
16	23936	1.38	S	S	S
17	25261	1.48	S	S	S
18	26600	.78	S	S	S
19	28060	.79	S	S	S
20	29435	.67	S	S	S
21	30977	.90	S	S	S
22	32516	.58	S	S	S
23	34189	.72	S	S	S
24	35925	.56	S	S	S
25	37566	.51	S	S	S
26	39177	.17	S	M	S
27	40824	.19	S	M	S
28	42419	.20	S	M	S
29	44017	.15	S	M	S
30	45605	.28	S	M	S
31	47209	.22	S	M	S
32	48702	.30	S	M	S
33	50133	.16	S	M	S
34	51455	.15	S	M	S
35	52814	.16	S	M	S
36	54113	.10	S	M	S
37	55504	.09	S	M	M
38	56981	.08	S	M	S

M = Monaural

S = Stereo

*Receiver No. 3 has a multiple system decoder and receiver Nos. 5 and 6 have a single system decoder.

Table 7. Data Showing Time and Field Strengths and Stereo Indicators as a Function of Distance Going East Along Interstate Highway 80 For KSL, (Kahn) Starting at Exit No. 156

TIME (min)	DISTANCE (m)	SIGNAL (mV/m)	RECEIVER*		
			NO. 3	NO. 6	NO. 5
1	971	11.75	S	M	M
2	2316	12.59	S	M	M
3	3788	8.51	S	M	M
4	5035	10.96	S	M	M
5	6163	.36	S	M	M
6	7564	7.94	S	M	M
7	9017	5.31	S	M	M
8	10456	5.25	S	M	M
9	11935	6.03	S	M	M
10	13368	6.10	S	M	M
11	14710	3.80	S	M	M
12	16175	1.36	S	M	M
13	17658	.70	S	M	M
14	19142	.49	S	M	M
15	20605	.49	S	M	M
16	22098	.71	S	M	M
17	23548	.56	S	M	M
18	24963	.88	S	M	M
19	26436	.81	S	M	M
20	27889	.69	S	M	M
21	29277	.95	S	M	M
22	30665	.71	S	M	M
23	32030	.80	S	M	M
24	33517	.74	S	M	M
25	35062	.74	S	M	M
26	36568	.56	S	M	M
27	38048	.59	S	M	M
28	39521	.45	S	M	M
29	40995	.25	S	M	M
30	42478	.31	S	M	M
31	43954	.31	S	M	M
32	45431	.40	S	M	M
33	46901	.50	S	M	M
34	48358	.43	S	M	M
35	49834	.20	S	M	M
36	51308	.15	S	M	M
37	52781	.22	S	M	M
38	54244	.19	S	M	M
39	55721	.14	S	M	M
40	57201	.08	S	M	M

M = Monaural

S = Stereo

*Receiver No. 3 has a multiple system decoder and receiver Nos. 5 and 6 have a single system decoder.

Table 8. Data Showing Nighttime Field Strengths and Stereo Indicators as a Function of Distance Going East Along Interstate Highway 80 for KSL, (Kahn) Starting at Exit No. 156

TIME (min)	DISTANCE (m)	SIGNAL (mV/m)	RECEIVER*		
			NO. 3	NO. 6	NO. 5
1	912	13.18	S	M	M
2	2047	9.77	S	M	M
3	3533	10.23	S	M	M
4	5038	11.48	S	M	M
5	6298	7.33	S	M	M
6	7685	11.89	S	M	M
7	9082	7.59	S	M	M
8	10578	5.75	S	M	M
9	12067	5.13	S	M	M
10	13375	7.08	S	M	M
11	14697	4.57	S	M	M
12	16008	2.95	S	M	M
13	17343	.65	S	M	M
14	18735	.42	S	M	M
15	20080	.56	S	M	M
16	21386	.56	S	M	M
17	22794	.46	S	M	M
18	24123	1.07	S	M	M
19	25353	1.16	S	M	M
20	26705	.66	S	M	M
21	28116	.81	S	M	M
22	29418	.83	S	M	M
23	30603	.92	S	M	M
24	31958	.71	S	M	M
25	33346	.95	S	M	M
26	34901	.51	S	M	M
27	36450	.58	S	M	M
28	37986	.62	S	M	M
29	39453	.43	S	M	M
30	40847	.18	M	M	M
31	42320	.30	S	M	M
32	43764	.42	S	M	M
33	45280	.37	S	M	M
34	46845	.40	S	M	M
35	48259	.53	S	M	M
36	49615	.26	S	M	M
37	50861	.17	S	M	M
38	52180	.16	S	M	M
39	53493	.23	S	M	M
40	54776	.15	S	M	M
41	56203	.21	S	M	M
42	57621	.10	S	M	M

M = Monaural

S = Stereo

*Receiver No. 3 has a multiple system decoder and receiver Nos. 5 and 6 have a single system decoder.

Table of performance measurements on receiver number 8 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION															
AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	a 26 dB D/U x dB	*	DS	S/N	* S/I	*	DS	S/N	* S/I	*	DS	S/N
50	S	11	32	S 28	24	S 37	M 18	S 28	S 32	S 97	7	S 11	S 93	10	S 6
100	S	4	37	S 13	30	S 37	M 8	S 34	S 32	S 10	5	S 16	S 95	16	S 16
200	S	4	34	S 10	27	S 37	M 5	S 33	S 32	S 98	8	S 16	S 24	13	S 16
500	S	3	32	S 7	26	S 32	S 5	S 28	S 32	S 97	7	S 26	S 30	11	S 26
1000	S	3	33	S 6	25	S 32	M 3	S 31	S 22	S 96	8	S 26	S 29	12	S 16
2000	S	2	34	S 5	25	S 32	S 3	S 29	M 22	S 95	9	S 26	S 28	13	S 26
5000	S	2	36	S 4	29	S 27	S 3	S 31	S 32	S 61	12	S 26	S 34	16	S 16
6000	S	2	35	S 4	27	S 27	M 2	S 34	M 22	S 79	13	S 26	S 37	15	S 16
7000	S	2	35	S 4	28	S 27	M 2	S 31	M 22	S 77	14	S 26	S 72	15	S 16
8000	S	2	33	S 4	27	S 27	M 3	S 29	M 22	S 93	12	S 26	S 13	13	S 16
9000	S	3	31	S 5	25	S 27	M 3	S 30	M 22	S 97	12	S 26	S 87	11	S 26
10000	S	0													
90% MODULATION															
AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	a 26 dB D/U x dB	*	DS	S/N	* S/I	*	DS	S/N	* S/I	*	DS	S/N
50	M	20	41	S 35	38	S 29	M 40	S 17	M 37	15	M 11	M 33	23	M 8	
100	S	27	44	S 53	37	S 22	M 40	S 17	S 95	17	S 8	S 27	25	S -6	
200	S	7	47	S 20	38	S 37	S 14	S 44	S 42	S 98	14	S 16	S 18	25	S 16
500	S	4	45	S 11	38	S 42	M 5	S 41	M 27	S 96	13	S 26	S 24	24	S 26
1000	S	5	46	S 9	39	S 32	S 11	S 40	S 42	S 94	14	S 26	S 28	24	S 26
2000	S	5	47	S 6	37	S 22	S 14	S 40	S 39	S 64	16	S 16	S 28	25	S 16
5000	S	2	44	S 3	36	S 27	S 3	S 38	S 22	S 81	16	S 16	M 11	22	M 16
6000	S	2	42	S 2	34	S 27	S 4	S 37	S 22	M 41	16	S 16	S 41	21	S 16
7000	S	2	40	S 2	32	S 22	S 4	S 36	S 32	S 79	16	S 16	S 72	20	S 16
8000	S	2	38	S 3	31	S 27	S 4	S 34	S 32	S 95	15	S 16	S 92	18	S 16
9000	S	2	35	S 3	28	S 27	M 2	S 33	M 22	S 96	14	S 26	S 90	14	S 26
10000	S	-1													
125% MODULATION															
AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	a 26 dB D/U x dB	*	DS	S/N	* S/I	*	DS	S/N	* S/I	*	DS	S/N
50	M	30	43	S 45	35	M 30	41	M 30	M 43	16	M 5	M 38	23	M 1	
100	S	31	46												
200	S	36	45												
500	S	23	47	S 27	38	S 25	S 15	S 44	S 11	S 81	16	S 16	M 24	25	M 1
1000	S	16	47	S 17	39	S 22	S 15	S 41	S 19	M 32	17	S 13	M 26	25	S 13
2000	S	15	48	S 17	38	S 16	S 16	S 45	S 20	M 30	17	S 21	S 28	25	S 8
5000	S	2	42	S 4	33	S 32	S 3	S 37	S 42	M 15	14	S 26	S 27	22	S 16
6000	S	5	42	S 5	32	S 22	S 9	S 37	S 30	M 75	16	S 26	S 64	20	S 16
7000	S	3	41	S 3	33	S 22	S 6	S 35	S 32	S 76	16	S 16	S 65	19	S 16
8000	S	2	39	S 3	30	S 27	S 5	S 33	S 32	S 94	15	S 16	S 86	17	S 16
9000	S	2	37	S 3	28	S 27	S 2	S 31	M 22	S 96	13	S 26	S 83	14	S 26
10000	S	1													

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Figure 3. Sample of data set from laboratory measurements contained in appendices to this report.

Given the measured data, we can determine audio bandwidth by observing how the audio signal-to-noise ratio attenuate above its midband level. (This is not a true audio bandwidth measurement however as the audio signal source has a preemphasis boost in amplitude at the higher frequencies.) We can see how the distortion varies across the audio band as a function of the percent modulation, the stereo matrix configuration, the rf signal source, and whether or not interference is present. We can determine the stereo separation by taking the difference between the "left only" and "right only" stereo matrix configurations S/N levels, or we can define other measures of the data which indicate individual receiver performance.

The objective of the measurements undertaken in this study was to determine differences in performance between single and multiple system stereo decoders. We compared receiver performance under identical conditions of modulation, field strength, stereo matrix configuration, etc., by subtracting the measured parameter of one receiver from the equivalent parameter of the other receiver. In making this comparison, any entries which were invalid for either receiver were eliminated; also eliminated were all entries for 125 percent modulation, as none of the receivers performed very well under these conditions.

Tables 9 through 15 present a statistical analysis of the measured receiver performance data. To create these tables we subtracted the performance measure of one of the receivers from the performance data of the other receiver of the comparison. The result is a table of differences similar in format to those of the appendices, but it gives us a direct comparison of the performance between the two receivers. To determine how the two receivers compare over all of the AM stereo broadcast conditions, we aggregated the data over all of these parameters (percent modulation, signal level, modulation matrix, etc.) into a table that sorts these data into rank order. Then by choosing the decile values (every 10 percent in number) we can summarize these distributions of performance into those differences for 10 percent of the data (lower decile), 50 percent of the data (median), and 90 percent of the data (upper decile).

In Table 9 we show the differences between the responses of a multiple system decoder receiver (No. 3) versus the responses of a single system decoder receiver (No. 5).

An example of the interpretation of the statistics given in Table 9 can be seen by considering the "no interference" condition. For 10 percent of the samples, the distortion of receiver No. 3 exceeded the distortion of receiver No. 5 by at least 12 percent. On the other end of the distribution, for 90 percent of the samples, the distortion of receiver No. 3 exceeded that of receiver No. 5 by at least 0 percent. The median of the distribution shows

Table 9. Summary of Difference Between Receiver No. 3 and Receiver No. 5

Receiver No. 3 minus Receiver No. 5
for individual interference conditions

	Distortion				Signal/Noise				Signal/Interference			
	ID	MD	UD	No.	ID	MD	UD	No.	ID	MD	UD	No.
	(%)				(dB)				(dB)			
No interference	0	2	12	519	-14	-7	1	576				
25 Hz offset	0	0	10	484	-10	-1	0	484	-10	0	5	484
15 Hz offset	0	1	11	473	-10	-2	0	473	-10	0	0	473
-10 kHz offset	0	3	20	470	-7	-2	0	470	-10	0	0	470
10 kHz offset	-1	0	11	493	-4	0	3	493	-10	0	0	493

where: ID = lower decile; MD = middle decile; UD = upper decile;
No. = number of data sample

Receiver No. 3 minus Receiver No. 5
for all conditions

	Decile level								
	1	2	3	4	5	6	7	8	9
Distortion (%)	0	0	0	0	1	3	5	7	12
Signal-to-noise (dB)	-10	-7	-5	-3	-2	0	0	0	1
Signal-to-interference (dB)	-10	-7	-2	0	0	0	0	0	0

that the distortion of receiver No. 3 exceeded distortion of receiver No. 5 by at least 2 percent for half of the measured samples. These statistics are given in the table as UD (upper decile), ID (lower decile), and MD (middle decile), respectively. The total of valid samples numbered was 519.

Similarly, the audio signal-to-noise ratio (S/N) of receiver No. 3 exceeded the S/N of receiver No. 5 by 0 dB for 10 percent of the samples, by -1 dB for half of the samples, and by -10 dB by 90 percent of the samples, where the number of valid samples was 576. For the 25 Hz offset case, the signal-to-interference ratio (S/I) of receiver No. 3 exceeded required S/I of receiver No. 5 by at least 5 dB for 10 percent of the samples, by 0 dB for half of the samples, and by -10 dB for 90 percent of the samples, where the number of samples was 484.

For these two receivers, receiver No. 5 had overall lower distortion for identical test conditions compared to receiver No. 3; receiver No. 5 had a higher audio S/N than did receiver No. 3; but receiver No. 3 required a lower S/I for the same relative increase in distortion compared with receiver No. 5.

The lower portion of Table 9 shows the statistics with all interference conditions combined. By all three measures, receiver No. 3 did not perform as well as receiver No. 5.

Table 10 shows the performance differences for receiver No. 3, a multiple system decoder, versus receiver No. 6, a single system decoder. In this table under no interference conditions, there were 510 data points measured for both receivers. For 10 percent (51 samples) of the data, receiver No. 3 exceeded the distortion of receiver No. 6 by at least 8 percent (column UD), and on the opposite side of the distribution receiver No. 6 exceeds the distortion of receiver No. 3 by 9 percent (column LD) for 10 percent (51) of the data. In addition, since the median value (MD) is 2 percent, these two receivers are nearly equal in performance under no interference conditions. In fact if we look at the other data for 25 and 15 Hz carrier offset as well as the adjacent channel data, we see that in all cases the distribution of the differences is essentially centered on the median (MD) value which does show very similar performance for the two receivers (3 and 6). In the second part of Table 10, the distributions under all conditions confirm this conclusion. Only the signal to noise data shows any skewness which is probably due to the original assumptions on the number of samples to take when noise is present. From the data of Table 10, we would conclude that the multiple system decoder receiver No. 3 performs as well as the single system receiver No. 6. In Tables 11 and 12 the differences between the IC test set multiple system decoder receiver No. 7 are compared with the single system receivers No. 5 and No. 6.

In Table 11 the distribution of differences between the single system receiver 5 and the IC test set receiver (No. 7) show nearly equal performance except during conditions of adjacent channel interference. With no interference the lower decile (LD) is -1 percent, the upper decile (UD) is 4 percent, and the median difference in distortion is 1 percent (column MD). This means that receiver No. 7 has at least 4 percent higher distortion than receiver No. 5 for 10 percent of the data. That is 56 data values out of the total 556 in this data set. In the lower part of Table 11 where the difference data are combined, the distribution is skewed towards receiver 7 having higher distortion because of the adjacent channel interference distortion differences but the median value (column 5) has only 1 percent difference.

Table 10. Summary of Difference Between Receiver No. 3 and Receiver No. 6

Receiver No. 3 minus Receiver No. 6
for individual interference conditions

	Distortion			Signal/Noise			Signal/Interference					
	LD	MD	UD	no.	LD	MD	UD	No.	LD	MD	UD	No.
	(%)				(dB)				(dB)			
No interference	-9	2	8	510	-4	4	12	576				
25 Hz offset	-11	0	6	493	0	0	12	493	-15	0	0	493
15 Hz offset	-10	0	7	499	-2	0	11	499	-10	0	5	499
-10 kHz offset	-1	0	12	492	-9	0	3	492	0	0	10	492
10 kHz offset	-7	0	8	503	-4	0	6	503	-5	0	5	503

where: LD = lower decile; MD = middle decile; UD = upper decile;
No. = number of data sample

Receiver No. 3 minus Receiver No. 6
for all conditions

	Decile level								
	1	2	3	4	5	6	7	8	9
Distortion (%)	-8	0	0	0	0	0	0	3	9
Signal-to-noise (dB)	-4	0	0	0	0	0	3	6	10
Signal-to-interference (dB)	-10	0	0	0	0	0	0	0	5

Table 12 compares the differences between receiver 7 and 6. In this table under the condition of no interference the multiple system receiver No. 7 has 2 percent greater distortion for 10 percent of the data (column UD), while it has 13 percent less distortion than receiver No. 6 for the lower decile (LD).

This implies that receiver 7 performs better under conditions of no distortion. However, again receiver 7 shows that for 10 percent of the data it has 63 percent (or greater) distortion than receiver No. 6 when an interfering signal is present at 10 kHz below the desired frequency. Still, from the table which shows the decile distributions for all the data, receiver No. 7 has nearly the same performance as receiver No. 6.

Using distortion as the primary performance parameter on which to base decisions, the multiple system decoder receiver (No. 7) performed as well as the single system receiver (No. 5), and performed better than the other single system receiver (No. 6).

Table 11. Summary of Difference Between Receiver No. 7 and Receiver No. 5

Receiver No. 7 minus Receiver No. 5
for individual interference conditions

	Distortion				Signal/Noise				Signal/Interference			
	ID	MD	UD	No.	ID	MD	UD	No.	ID	MD	UD	No.
	(%)				(dB)				(dB)			
No interference	-1	1	4	556	-8	-1	7	576				
25 Hz offset	-4	0	5	537	-4	0	8	537	-10	0	5	537
15 Hz offset	-3	0	5	520	-7	0	5	520	-10	0	5	520
-10 kHz offset	0	9	65	519	-5	0	5	519	-5	0	10	519
10 kHz offset	0	5	22	536	-3	0	6	536	-5	0	10	536

where: ID = lower decile; MD = middle decile; UD = upper decile;
No. = number of data sample

Receiver No. 7 minus Receiver No. 5
for all conditions

	Decile level								
	1	2	3	4	5	6	7	8	9
Distortion (%)	-1	0	0	0	1	2	4	8	21
Signal-to-noise (dB)	-6	-4	-2	0	0	0	0	2	6
Signal-to-interference (dB)	-10	-5	0	0	0	0	0	0	8

In comparing receiver No. 7 data with No. 8 data, we can isolate the differences between the two types of decoders since No. 7 and No. 8 use the same receiver front end with a switch to select either the single system decoder or the multiple system decoder. Table 13 compares their differences.

In examining Table 13, we find that the two decoders operate with very nearly equal performance except when adjacent channel interference is present. Again looking at the distortion data for this difference data, the lower decile (LD) are nearly the same; -3, -2, -1, -3, and -3 percent. All median data (MD) are the same, 0 percent. The upper decile data are close until adjacent channel interference is present, then the receiver No. 7 falls in its performance. When the data are combined for all conditions of no interference, co-channel interference and adjacent channel interference, then the differences between the two IC's is very small except at the extremes of the distributions.

Table 12. Summary of Difference Between Receiver No. 7 and Receiver No. 6

Receiver No. 7 minus Receiver No. 6
for individual interference conditions

	Distortion				Signal/Noise				Signal/Interference			
	LD	MD	UD	No.	LD	MD	UD	No.	LD	MD	UD	No.
	(%)				(dB)				(dB)			
No interference	-13	0	2	447	-4	6	28	576				
25 Hz offset	-14	0	3	416	-1	0	17	416	-12	0	8	416
15 Hz offset	-6	0	3	418	-2	0	14	418	-10	0	10	418
-10 kHz offset	0	0	63	433	-11	0	5	433	0	0	13	433
10 kHz offset	0	0	18	433	-9	0	7	433	0	0	14	433

where: LD = lower decile; MD = middle decile; UD = upper decile;
No. = number of data sample

Receiver No. 7 minus Receiver No. 6
for all conditions

	Decile level								
	1	2	3	4	5	6	7	8	9
Distortion (%)	-7	0	0	0	0	0	1	6	17
Signal-to-noise (dB)	-6	-2	0	0	0	0	4	9	18
Signal-to-interference (dB)	-5	0	0	0	0	0	3	10	10

These data show that the multiple system decoder receiver (No. 7) performs as well as the single system decoder receiver (No. 8).

Table 13. Summary of Differences Between Receiver No. 7 and No. 8

Receiver No. 7 minus Receiver No. 8
for individual interference conditions

	Distortion				Signal/Noise				Signal/Interference			
	ID	MD	UD	No.	ID	MD	UD	No.	ID	MD	UD	No.
	(%)				(dB)				(dB)			
No interference	-3	0	1	564	-4	0	2	576				
25 Hz offset	-2	0	2	527	-1	0	10	527	-5	0	5	527
15 Hz offset	-1	0	3	523	-3	0	1	523	-2	0	10	523
-10 kHz offset	-3	0	41	530	-1	0	3	530	-5	0	5	530
10 kHz offset	-3	0	14	550	-1	0	2	550	-2	0	10	550

where: ID = lower decile; MD = middle decile; UD = upper decile;
No. = number of data sample

Receiver No. 7 minus Receiver No. 8
for all conditions

	Decile level								
	1	2	3	4	5	6	7	8	9
Distortion (%)	-3	-1	0	0	0	0	1	2	10
Signal-to-noise (dB)	-2	-1	0	0	0	0	1	1	3
Signal-to-interference (dB)	-3	0	0	0	0	0	0	3	10

Tables 14 and 15 compare the differences of receivers No. 1 and 2 with receiver No. 5. Receiver No. 1 is the home audio system receiver and receiver No. 2 is a portable "boom box" receiver. Both receivers No. 1 and 2 are capable of multiple system decoding while receiver No. 5 only decodes a single system.

Table 14 shows receiver No. 5 has better distortion characteristics for the conditions of no interference and 10 kHz offset interference. The distortion results for the other interference conditions are about the same.

The signal-to-noise ratio (S/N) characteristics of receiver No. 5 are superior to those of receiver No. 1 as seen by the various interference categories and the combined category in the lower half of Table 14. As with other receiver comparisons, the multiple system decoder receiver No. 1 appears to tolerate lower signal-to-interference ratios (S/I) for a given increase in distortion than does receiver No. 5.

Receiver No. 4, the single system decoder tuner, was not compared against other receivers. The results of measuring the performance of receiver No. 4 are furnished in Appendix E.

Table 14. Summary of Difference Between Receiver No. 1 and Receiver No. 5

Receiver No. 1 minus Receiver No. 5
for individual interference conditions

	Distortion			Signal/Noise			Signal/Interference					
	ID	MD	UD	No.	ID	MD	UD	No.	ID	MD	UD	No.
	(%)			(dB)			(dB)					
No interference	-3	1	16	310	-38	-14	6	576				
25 Hz offset	-5	0	9	284	-18	0	7	284	-17	0	0	284
15 Hz offset	-5	0	9	289	-17	0	6	289	-20	0	0	289
-10 kHz offset	14	0	18	314	-8	0	6	314	-15	0	0	314
10 kHz offset	-1	0	35	306	-10	0	3	306	-10	0	10	306

where: ID = lower decile; MD = middle decile; UD = upper decile;
No. = number of data sample

Receiver No. 1 minus Receiver No. 5
for all conditions

Decile level

1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---

Distortion (%)	-4	0	0	0	0	2	6	10	17
Signal-to-noise (dB)	-23	-15	-9	-5	-1	0	0	0	6
Signal-to-interference (dB)	-17	-10	-5	0	0	0	0	0	3

Table 15. Summary of Difference Between Receiver No. 2 and Receiver No. 5

Receiver No. 2 minus Receiver No. 5
for individual interference conditions

	Distortion				Signal/Noise				Signal/Interference			
	ID	MD	UD	No.	ID	MD	UD	No.	ID	MD	UD	No.
	(%)				(dB)				(dB)			
No interference	-2	2	11	228	-25	-5	4	384				
25 Hz offset	-5	0	10	211	-15	0	5	211	-15	0	0	211
15 Hz offset	-5	0	8	212	-13	0	5	212	-18	0	0	212
-10 kHz offset	-23	0	7	228	-7	0	7	228	-20	0	0	228
10 kHz offset	0	8	48	222	-16	-7	0	222	-5	0	10	222

where: ID = lower decile; MD = middle decile; UD = upper decile;
No. = number of data sample

Receiver No. 2 minus Receiver No. 5
for all conditions

	Decile level								
	1	2	3	4	5	6	7	8	9

Distortion (%)	-5	0	0	0	0	2	5	8	19
Signal-to-noise (dB)	-16	-12	-8	-5	-1	0	0	1	5
Signal-to-interference (dB)	-15	-10	-5	0	0	0	0	0	8

In Table 15, the differences between receivers No. 2 and 5 are given. The data in this table show that the distortion of receiver No. 2 is higher under all conditions than the distortion of the best single system decoder receiver No. 5.

7. CONCLUSIONS

Radio receivers featuring single AM stereo system decoders and multiple AM stereo system decoders were tested in both laboratory and field environments. The objective of the tests was to determine whether single system decoder receivers have inherently better performance than that of multiple system decoder receivers. We chose to acquire equipments from as many commercial sources as practicable. We sought to gain a reasonable representation of the current IC technology in the marketplace. Manufacturers of a number of the

equipments, in particular Motorola, stated that the IC components in the equipments we did obtain represent the latest production types. We believe, therefore, that this acquisition approach fairly represents a cross-section of AM stereo systems.

As noted in Table 4 on page 7, we distinguished the results of tests of the production equipment from those of the IC test sets. We tested the production receivers we acquired from the marketplace, and then compared those tests with our results from the IC test sets. The IC test set receivers No. 7 and 8 were tested and provided additional comparisons of a pilot production multiple system IC in relation to the productions ICs, so that external circuitry (the receiver itself) would be essentially eliminated as a factor in the test.

For the laboratory measurements, all receivers were tested under identical conditions that were designed to stress the performance of the decoders for various extremes of stereo configurations, representative levels of amplitude modulation, and typical field strengths for both desired and interfering signals. Distortion was chosen as the most sensitive performance parameter to be tested. This is due to the fact that compromises in the design of the components of the receivers, especially the ability of the decoder to correctly implement the stereo demodulation algorithms, will show up in the measurements as increased distortion compared with distortion of well-designed receivers.

The laboratory tests were designed to measure the differences in performance between single and multiple system AM stereo decoders. This was accomplished by measuring the receivers under identical conditions of modulation, field strength, stereo matrix configurations, audio frequencies, with varying amounts of interference at one designed rf frequency.

The field test was made in order to corroborate the conclusions drawn from the laboratory test. Particular emphasis was placed on obtaining data that could be used to demonstrate that the mobile environment did not lead to results that would vitiate the laboratory tests.

The laboratory tests resulted in the collection and analysis of measurements for 30, 90, and 125 percent modulation for varying audio frequencies between 50 and 10,000 Hz. Different types of interference conditions--co-channel interference, adjacent channel interference, and no

interference--were simulated in the measurements. For all the measurements, we determined whether the receiver under test indicated stereo or monaural mode, the percent distortion, and the audio signal-to-noise ratio.

Because the laboratory tests were conducted under identical conditions of modulation, field strength, and stereo configuration, it was possible to directly compare the performance of each of the automobile receivers. The tests of the 3 automobile radios purchased for these measurements (these contain currently available production IC decoders) have shown that the multiple system radio (No. 3) performs as well as one of the single system radios (No. 6) but not as well as the other single system receiver (No. 5). The difference in performance may be a result of the receivers' circuitry external to the stereo decoders, or it may be due to the decoders themselves since all three use different decoder ICs. We compared the performance of the home entertainment receiver (No. 1) and the portable "boom box" receiver (No. 2) with the best single system decoder receiver (No. 5). Both of these multiple system receiver (Nos. 1 and 2) did not perform as well as the single system receiver. Receiver No. 1 was close to the performance of No. 5, where the median distortion was the same as receiver No. 5, but the distribution was skewed showing No. 1 had generally higher distortion levels. The results for receiver No. 2 were significantly degraded from No. 5.

However, the receiver labeled as Nos. 7 and 8 was an IC test set receiver containing both a single system C-Quam decoder and a multiple system decoder on the same board. The circuitry external to the decoders is exactly the same in both receivers Nos. 7 and 8. In these tests the latest production single system AM stereo decoder IC (receiver No. 8) had nearly equal performance with the multiple system AM stereo decoder IC (receiver No. 7).

Since the single system decoder IC in the IC test set (receiver No. 8) gave the same performance as the high quality single system receiver purchased on the marketplace (receiver No. 5), we believe these results are representative. Therefore, we must conclude that it is technically feasible to produce multiple system receivers that perform as well as single system receivers.

In order to be assured that the performance of stereo receivers deduced from laboratory measurements would not differ significantly in a mobile environment, field measurements were made using the three automobile receivers.

The field measurements were conducted for both Kahn and C-Quam signals that were broadcast from AM stations in the Salt Lake City region. This region is the closest one to Boulder, Colorado in which both AM stereo system formats are broadcast. Observations were made on KBUG at 1320 kHz with a C-Quam format, KIUR at 860 kHz with a C-Quam format, and KSL at 1160 kHz with a Kahn format. The strength of the received signal, the stereo indicator on each car receiver, and the audio output of the receivers were measured continuously. The results obtained from the field measurements were consistent with those obtained in the laboratory that show receiver No. 5 had lower distortion than the other two receivers over a wider audio bandwidth.

The measurement data have shown that the best available single system decoder IC performs nearly identically to a pilot production model of a multiple system decoder IC in the IC test set. The only differences between performance of these ICs occurred with adjacent channel interference. We believe that these differences are not significant because of the frequency of occurrence of this type of interference. Since this is a direct comparison between IC's (the rf and IF circuitry external to the IC was identical) this leads us to believe that it is technically feasible to produce a multiple system decoder IC that is comparable in performance to a single system decoder IC. In measuring the performance of available selected automobile AM stereo receivers, we found that the IC test set receiver using the multiple system decoder IC had performance that was comparable to the best available single system receiver that was obtained in the local market. We view this as additional evidence that IC decoders used in the IC test set represent ICs that are widely available.

Consequently, we are able to conclude that an automatic multiple system receiver, capable of receiving both the C-Quam and Kahn systems, can be designed without unacceptable inherent degradation to one or both such systems.

8. ACKNOWLEDGEMENTS

We appreciate the efforts of the principal developers of the current stereo transmissions systems, Motorola Incorporated, Kahn Communications Incorporated, and Hazeltine Corporation for their valued insight and availability of equipments for our testing activities. We wish to also thank the many others who provided us with advice, equipments, and other support in these measurements.

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National Radio Systems Committee (1987), Interim voluntary national standard, Part 1. 75 microsec AM broadcast transmission preemphasis, Sponsored by the Electronic Industries Assoc. and the National Assoc. of Broadcasters, Washington, D.C., Jan. 10.

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APPENDIX A. EQUIPMENT CALIBRATION

1. FIELD STRENGTH CALIBRATION

The laboratory measurements presented in this report were made in a room that is shielded from external radiation. Within this room, a field of known strength was generated for the receivers using ferrite-loop antennas employing the techniques described in the International Electrotechnical Commission report (IEC, 1970). The transmitting antenna was a small screened loop with a diameter of 0.25 m. The ferrite-core antenna of the receiver is positioned as shown in IEC report Figure 3. With this orientation, the mean electric field strength E at a distance d is:

$$E = \frac{30AE'N}{d^3(R_i+R)} \quad (1)$$

where, A = the area of the loop in square meters,

E' = the emf of the generator in microvolts,

N = the number of loop windings,

d = the radial distance from the center of the loop
to the receiving antenna in meters,

R_i = the internal resistance of the source in ohms,

R = the value of the resistor in the loop's base
in ohms.

The location of the ferrite-core antenna within the different receivers is not consistent. The different receiver antennas vary in height from 1 to 15 cm. Because of this variance, measurements were made with a field strength meter to assess the uniformity of the field. The field strength meter was equipped with a small inductive probe. The ferrite-core antenna in IEC report Figure 3 was replaced by the inductive probe and a set of measurements were taken along the X, Y, and Z axes. The probe was displaced, from the origin, up to 0.1 m along the X and Y axes, and up to .175 m along the Z axis. Less than 2 dB of variance was found along the Y and Z axes. This uniformity suggests that it is not necessary to compensate for the various heights of the receiver antennas. The variance along the X axis was within 0.5 dB of that predicted by equation 1.

2. MODULATION CALIBRATION

The spectrum analyzer was used to calibrate the percentage of amplitude modulation from the generators/exciter. Using a single tone at 1000 Hz, the amplitude of the audio analyzer output was adjusted to give 30, 90, and 125 percent modulation for each combination of the stereo matrix. The percent modulation was determined by summing the two 1000 Hz sideband voltages and dividing by the carrier voltage as given by the spectrum analyzer. During the measurements, the computer control would set the correct audio analyzer amplitude output for the desired combination of percentage of modulation, stereo matrix, and signal generator/exciter.

REFERENCES

IEC (1970), Methods of measurement on radio receivers for various classes of emission, Part 1: General conditions for measurements and measuring methods applying to several types of receivers, Appendix A: Survey of input arrangements for magnetic aerials, International Electrotechnical Commission Publication 315-1A, Central Bureau of the International Electrotechnical Commission, Geneva, Switzerland.

**Appendix B. Measurement results from testing
receiver no. 1 at 1330 kHz.**

PAGE	SOURCE	MODULATION MATRIX	FIELD STRENGTH
38	C-Quam exciter	left only	10. mV/m
39	C-Quam exciter	right only	10. mV/m
40	C-Quam exciter	left=right	10. mV/m
41	C-Quam exciter	left=-right	10. mV/m
42	C-Quam generator	left only	10. mV/m
43	C-Quam generator	right only	10. mV/m
44	C-Quam generator	left=right	10. mV/m
45	C-Quam generator	left=-right	10. mV/m
46	Kahn generator	left only	.5 mV/m
47	Kahn generator	right only	.5 mV/m
48	Kahn generator	left=right	.5 mV/m
49	Kahn generator	left=-right	.5 mV/m
50	C-Quam exciter	left only	.5 mV/m
51	C-Quam exciter	right only	.5 mV/m
52	C-Quam exciter	left=right	.5 mV/m
53	C-Quam exciter	left=-right	.5 mV/m
54	C-Quam generator	left only	.5 mV/m
55	C-Quam generator	right only	.5 mV/m
56	C-Quam generator	left=right	.5 mV/m
57	C-Quam generator	left=-right	.5 mV/m
58	Kahn generator	left only	.5 mV/m
59	Kahn generator	right only	.5 mV/m
60	Kahn generator	left=right	.5 mV/m
61	Kahn generator	left=-right	.5 mV/m
62	C-Quam exciter	left only	.1 mV/m
63	C-Quam exciter	right only	.1 mV/m
64	C-Quam exciter	left=right	.1 mV/m
65	C-Quam exciter	left=-right	.1 mV/m
66	C-Quam generator	left only	.1 mV/m
67	C-Quam generator	right only	.1 mV/m
68	C-Quam generator	left=right	.1 mV/m
69	C-Quam generator	left=-right	.1 mV/m
70	Kahn generator	left only	.1 mV/m
71	Kahn generator	right only	.1 mV/m
72	Kahn generator	left=right	.1 mV/m
73	Kahn generator	left=-right	.1 mV/m

Table of performance measurements on receiver number 1 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	S	6	28	S	13	19	S	32	S	10	25	S	32	S	9	S	16	S	7	S	21
100	S	3	37	S	8	33	S	37	S	7	32	S	32	S	16	S	16	S	21	S	16
200	S	3	36	S	7	31	S	32	S	6	32	S	32	S	19	S	16	S	24	S	16
500	S	2	35	S	4	31	S	27	S	3	31	S	32	S	21	S	26	S	26	S	26
1000	S	2	35	S	3	31	S	27	S	3	31	S	32	S	28	S	26	S	35	S	26
2000	S	2	37	S	3	32	S	27	S	2	33	S	32	S	25	S	26	S	31	S	26
5000	S	1	40	S	2	36	S	22	S	2	36	S	22	S	15	S	26	S	21	S	26
6000	S	4	40	M	7	34	S	27	S	4	37	S	22	S	19	S	16	S	29	S	16
7000	S	2	41	S	2	36	S	22	S	3	34	S	32	S	17	S	16	S	24	S	26
8000	S	1	41	S	2	37	S	22	S	3	33	S	32	S	15	S	26	S	25	S	26
9000	S	1	41	S	1	37	S	22	S	1	37	S	22	S	13	S	26	S	17	S	26
10000	S		0																		

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	S	17	37	M	11	31	M		S	18	33	S	22	S	30	S	5	M	44	S	8
100	S	5	43	S	7	39	S	32	S	7	39	S	32	S	13	S	16	S	19	S	16
200	S	4	44	S	7	39	S	32	S	7	37	S	32	S	11	S	16	S	17	S	16
500	S	4	44	M	2	37	M	17	S	4	40	S	22	S	13	S	16	S	20	S	16
1000	S	4	44	S	5	40	S	22	S	4	40	S	22	S	24	S	16	S	34	S	16
2000	S	4	44	S	5	40	S	17	S	4	40	S	22	S	23	S	16	S	32	S	16
5000	S	2	44	M	1	41	M	17	S	2	39	S	22	S	14	S	16	S	25	S	16
6000	S	8	43	M	5	40	M	12	S	8	39	M	12	S	23	S	11	S	66	S	16
7000	S	3	42	M	3	40	M	17	S	3	38	S	22	S	18	S	16	S	34	S	16
8000	S	1	42	S	1	38	S	22	S	1	38	S	22	S	12	S	16	S	17	S	26
9000	S	1	43	S	1	38	S	22	S	1	38	S	22	S	11	S	16	S	18	S	26
10000	S		0																		

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50																					
100																					
200																					
500																					
1000																					
2000																					
5000																					
6000																					
7000																					
8000																					
9000																					
10000																					

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	
50	S	15														
100	S	17														
200	S	12														
500	S	10														
1000	S	10														
2000	S	13														
5000	S	18														
6000	S	23														
7000	S	25														
8000	S	25														
9000	S	28														
10000	S	0														

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	
50	S	24														
100	S	31														
200	S	22														
500	S	21														
1000	S	25														
2000	S	31														
5000	S	42														
6000	S	42														
7000	S	41														
8000	S	41														
9000	S	42														
10000	S	0														

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	
50																
100																
200																
500																
1000																
2000																
5000																
6000																
7000																
8000																
9000																
10000																

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	S	10	25	S	19	21	S	30		S	17	22	S	32		S	5	S	26	S	4	S	26			
100	S	7	34	S	16	30	S	32		S	12	31	S	32		S	26	13	S	16	S	50	10	S	16	
200	S	6	33	S	16	29	S	32		S	9	29	S	32		S	28	11	S	16	S	44	9	S	16	
500	S	3	32	S	7	28	S	32		S	5	28	S	32		S	29	11	S	26	S	40	9	S	26	
1000	S	3	33	S	4	29	S	27		S	4	29	S	32		S	29	11	S	26	S	41	9	S	26	
2000	S	2	34	S	3	34	M	22		S	3	30	S	32		S	26	13	S	26	S	38	10	S	26	
5000	S	1	37	M	1	35	M	22		S	2	33	S	32		S	18	15	S	26	S	28	12	S	26	
6000	S	2	37	S	3	33	M	17		S	2	32	S	32		S	19	15	S	26	S	66	13	S	26	
7000	S	2	37	M	1	37	M	17		S	2	33	S	32		S	21	15	S	26	S	79	13	S	26	
8000	S	1	37	S	2	34	S	22		S	2	34	S	32		S	17	15	S	26	S	68	13	S	26	
9000	S	1	38	S	2	34	S	22		S	2	34	S	32		S	17	16	S	26	S	27	13	S	26	
10000	S	-1																								

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	M	40	38	M	19	44	M	17		M	18	41	M	17		M	28	19	S		M	34	18	S			
100	M	18	42	M	19	44	M	17		M	18	41	M	17		S	18	21	S	8	S	27	18	S	11		
200	S	7	44	M	8	39	M	22		S	10	43	S			S	22	21	S	16	S	31	18	S	26		
500	S	3	44	S	7	40	S	37		S	8	40	S	42		S	28	21	S	16	S	45	19	S	26		
1000	S	2	43	S	4	42	S	27		M	3	40	S	42		S	25	21	S	16	S	38	19	S	16		
2000	S	6	45	S	6	41	S	22		S	6	41	S	22		S	15	20	S	16	S	17	18	S	16		
5000	S	2	44	S	2	39	S	22		S	3	38	S	32		S	20	19	S	26	S	79	17	S	26		
6000	S	1	43	S	3	39	S	22		S	5	38	S	52		S	16	19	S	16	S	70	16	S	26		
7000	S	1	42	S	2	38	S	22		S	3	36	S	42		S	12	18	S	26	S	58	16	S	26		
8000	S	1	42	S	1	37	S	22		S	1	37	S	22		S	11	19	S	26	S	24	16	S	26		
9000	S	1	42	S	1	37	S	22		S	1	37	S	22													
10000	S	-1																									

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50																										
100																										
200																										
500																										
1000																										
2000																										
5000																										
6000																										
7000																										
8000																										
9000																										
10000																										

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																			
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I					
Hz	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB						
50	S	5	28	M	24	S	32	S		24	S	32	S	21	S	14	S	16	S	27	S	12	S	26	S	5	S	26				
100	S	3	35	S	31	S	27	S		31	S	32	S	25	S	12	S	26	S	30	S	11	S	26	S	35	S	10	S	26		
200	S	2	34	S	29	S	32	S		29	S	32	S	30	S	11	S	26	S	81	S	11	S	26	S	52	S	12	S	26		
500	S	3	32	S	28	S	27	S		29	S	42	S	50	S	12	S	26	S	60	S	10	S	26	S	46	S	13	S	26		
1000	S	3	33	S	4	28	S	27	S		29	S	32	S	25	S	18	S	26	S	89	S	15	S	16	S	63	S	16	S	16	
2000	S	3	34	S	4	29	S	27	S		30	S	32	S	43	S	16	S	13	S	93	S	15	S	16	S	61	S	16	S	26	
5000	S	1	38	S	32	S	22	S		2	33	S	32	S	31	S	17	S	26	S	86	S	16	S	26	S	28	S	17	S	26	
6000	S	12	38	S	13	33	M	17	S		12	33	S	11	S	63	S	16	S	16	S	93	S	15	S	16	S	28	S	17	S	26
7000	S	9	38	S	9	33	S	20	S		9	33	S	22	S	63	S	16	S	16	S	86	S	16	S	26	S	61	S	16	S	26
8000	S	5	38	S	5	34	S	22	S		5	33	S	22	S	31	S	17	S	26	S	60	S	10	S	26	S	28	S	17	S	26
9000	S	1	39	S	2	34	S	22	S		2	35	S	32	S	28	S	17	S	26	S	89	S	15	S	16	S	61	S	16	S	26
10000	S	0																														

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																			
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I					
Hz	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB						
50	M	56	38	M	29	S	27	S		39	S	32	S	14	S	20	S	1	S	18	S	17	S	6	S	12	S	6				
100	S	10	44	S	10	S	22	S		37	S	22	S	12	S	20	S	6	S	14	S	18	S	6	S	20	S	11	S	11		
200	S	8	42	S	10	S	20	S		36	S	20	S	10	S	37	S	22	S	22	S	18	S	11	S	46	S	16	S	21		
500	S	10	42	S	11	S	18	S		37	S	18	S	9	S	38	S	22	S	36	S	21	S	16	S	42	S	19	S	16		
1000	S	11	42	S	9	S	17	S		38	S	17	S	9	S	38	S	22	S	14	S	21	S	16	S	38	S	18	S	16		
2000	S	9	43	S	2	S	17	S		41	S	17	S	2	S	38	S	22	S	20	S	16	S	49	S	18	S	16				
5000	S	2	46	S	7	S	17	S		40	S	17	S	7	S	40	S	17	S	21	S	20	S	16	S	24	S	17	S	16		
6000	S	7	45	S	4	S	17	S		39	S	17	S	4	S	39	S	22	S	20	S	16	S	23	S	18	S	26	S	17	S	18
7000	S	4	44	S	4	S	17	S		39	S	17	S	2	S	39	S	22	S	17	S	20	S	16	S	14	S	26	S	18	S	26
8000	S	2	44	M	4	S	32	S		37	S	32	S	1	S	39	S	22	S	17	S	20	S	16	S	17	S	18	S	26		
9000	S	1	44	S	1	S	22	S		39	S	22	S	1	S	39	S	22	S	14	S	20	S	26	S	17	S	18	S	26		
10000	S	-1																														

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET															
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
Hz	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB		
50																												
100																												
200																												
500																												
1000																												
2000																												
5000																												
6000																												
7000																												
8000																												
9000																												
10000																												

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
Hz	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB			
50	S	9	24	S	14	23	S	30	S	12	23	S	27	S	15	16	S	16	S	7	S	16	
100	S	3	32	M	5	28	S	32	S	7	30	S	32	S	19	15	S	16	S	21	14	S	16
200	S	4	30	S	7	29	S	27	S	5	29	S	32	S	21	14	S	16	S	23	13	S	16
500	S	4	29	S	5	28	S	27	S	5	28	S	32	S	19	18	S	16	S	26	12	S	16
1000	S	3	30	M	5	26	S	27	S	4	28	S	22	S	18	19	S	16	S	34	13	S	26
2000	S	3	31	M	5	27	S	27	S	3	30	S	22	S	24	16	S	26	S	31	14	S	26
5000	S	2	35	M	3	31	S	27	S	2	33	S	22	S	14	18	S	16	S	19	17	S	16
6000	S	5	35	S	5	33	S	17	S	5	33	S	22	S	19	19	S	16	S	30	17	S	16
7000	S	3	35	M	4	32	S	32	S	3	33	S	22	S	18	19	S	16	S	24	16	S	16
8000	S	2	35	S	2	34	S	22	S	2	34	S	22	S	16	19	S	16	S	26	17	S	16
9000	S	1	35	M	2	33	S	32	S	2	34	S	22	S	14	20	S	16	S	17	17	S	16
10000	S		0																				

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
Hz	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB			
50	M	15	32	S	18	34	S	25	M	16	28	M	20	M	37	13	M	8	M	46	11	M	11
100	S	18	38	M	7	33	M	9	M	7	37	M	20	M	23	18	S	13	M	27	18	S	16
200	S	8	39	M	3	36	S	25	S	9	38	S	22	S	18	22	S	6	S	25	20	S	11
500	S	6	39	M	3	35	M	13	S	6	37	S	22	S	17	22	S	16	S	24	20	S	16
1000	S	7	39	S	7	37	M	25	S	11	35	M	17	S	27	22	S	16	S	38	20	S	16
2000	S	11	39	M	2	37	M	25	S	11	38	M	20	S	32	22	S	11	S	44	20	S	13
5000	S	2	39	S	2	38	S	22	S	3	35	S	32	S	17	19	S	16	M	29	19	S	16
6000	S	15	38	S	15	35	M	15	M	14	36	M	15	S	35	20	S	11	M	90	17	S	13
7000	S	6	37	S	6	35	S	22	S	8	35	S	27	S	43	19	S	16	M	90	15	S	16
8000	S	1	37	S	2	35	S	22	S	2	36	S	22	S	14	19	S	16	M	96	17	S	26
9000	S	1	37	M	1	37	S	22	M	1	35	S	22	S	18	19	S	16	M	28	16	S	26
10000	S		0																				

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	
50																					
100																					
200																					
500																					
1000																					
2000																					
5000																					
6000																					
7000																					
8000																					
9000																					
10000																					

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																	
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U		
	Hz	%	dB		%	dB	dB			%	dB	dB				%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	S		11																											
100	S		13																											
200	S		9																											
500	S		7																											
1000	S		7																											
2000	S		10																											
5000	S		14																											
6000	S		19																											
7000	S		21																											
8000	S		21																											
9000	S		24																											
10000	S		0																											

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	
	Hz	%	dB		%	dB	dB			%	dB	dB				%	dB	dB		%	dB	dB		%	dB	dB		%	dB
50	S		28																										
100	M		37																										
200	S		25																										
500	S		22																										
1000	S		26																										
2000	S		31																										
5000	S		34																										
6000	M		38																										
7000	S		35																										
8000	S		35																										
9000	S		36																										
10000	S		0																										

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	
	Hz	%	dB		%	dB	dB			%	dB	dB				%	dB	dB		%	dB	dB		%	dB	dB		%	dB
50																													
100																													
200																													
500																													
1000																													
2000																													
5000																													
6000																													
7000																													
8000																													
9000																													
10000																													

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET												
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I				
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB					
50	S	14	19	S	26	18	S	32		S	20	18	S	32		S	5	S	16	S	4	S	16		
100	S	6	28	S	15	27	S	37		S	11	27	S	32		S	27	12	S	21	S	56	10	S	16
200	S	6	27	S	7	28	M	22		S	9	26	S	32		S	29	11	S	16	S	53	9	S	16
500	S	5	26	M	5	27	M	20		S	7	25	S	32		S	32	10	S	16	S	43	8	S	26
1000	S	5	27	M	5	27	M	20		S	6	25	S	32		S	32	10	S	16	S	43	8	S	26
2000	S	4	28	S	5	27	S	27		S	5	27	S	22		S	28	12	S	16	S	41	10	S	26
5000	S	3	31	S	3	29	S	22		S	3	29	S	22		S	20	14	S	16	S	31	12	S	26
6000	S	3	31	S	3	30	S	22		S	3	30	S	22		S	21	15	S	16	S	77	12	S	26
7000	S	3	31	S	3	30	S	27		S	3	30	S	22		S	24	14	S	16	S	89	11	S	26
8000	S	3	32	S	3	30	S	22		S	3	30	S	22		S	20	15	S	16	S	86	12	S	26
9000	S	2	32	S	3	30	S	22		S	3	30	S	22		S	19	15	S	16	S	57	12	S	26
10000	S		0																						

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I									
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB										
50	S	30	26	M	17	36	M	22	M	17	36	M	20	M	30	20	S	16	M	32	19	S	16				
100	M	16	37	M	5	36	M	15	M	4	36	M	14	S	21	18	S	5	S	31	15	S	7				
200	S	9	36	S	8	36	M	15	S	2	34	S	22	S	23	18	S	16	S	35	15	S	16				
500	S	3	36	1000	S	2	37	M	4	35	M	22	M	2	36	S	22	S	33	19	S	26	S	73	16	S	26
1000	S	3	38	S	6	37	S	32	M	6	37	S	32	S	36	19	S	26	S	54	17	S	26				
2000	S	3	38	S	3	37	M	22	M	3	37	M	22	S	21	18	S	16	S	40	13	S	26				
5000	S	5	36	S	8	34	S	27	M	7	36	S	52	S	35	18	S	26	S	16	S	26	S	94	14	S	26
6000	S	3	35	S	3	34	M	22	M	3	35	S	22	S	36	17	S	16	S	96	15	S	26				
7000	S	3	35	S	2	34	S	22	S	2	32	S	32	S	18	17	S	26	S	85	15	S	26				
8000	S	1	35	S	1	36	S	27	S	1	34	S	22	S	18	18	S	26									
9000	S	1	35																								
10000	S		-1																								

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I					
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB						
50																							
100																							
200																							
500																							
1000																							
2000																							
5000																							
6000																							
7000																							
8000																							
9000																							
10000																							

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I		
Hz	%	dB		%	dB		%	dB	%	dB		%		%	dB		dB			
50	S	7	25	M	4	32	S		22	S	32	S	6	S	21	S	5	S 21		
100	S	3	31	M	8	32	S		29	S	32	S	23	13	S 16	S	29	12 S 26		
200	S	3	30	M	11	27	S		27	S	32	S	26	12	S 26	S	31	10 S 26		
500	S	4	28	M	12	27	S		26	S	32	S	31	11	S 26	S	36	9 S 26		
1000	S	4	29	S	26	27	S		26	S	32	S	51	12	S 26	S	87	11 S 26		
2000	S	3	30	S	27	27	S		28	S	32	S	47	13	S 26	S	54	12 S 26		
5000	S	2	33	M	13	32	S		31	S	32	S	25	17	S 26	S	30	15 S 26		
6000	S	12	34	S	12	21	S	17	S	12	31	S	17	S	47	16	S 13	S 89	15 S 16	
7000	S	9	34	S	9	31	S	20	S	9	31	S	13	S	59	16	S 16	S 15	S 16	
8000	S	5	35	S	5	32	S	22	S	5	31	S	22	S	34	16	S 26	S	87	15 S 26
9000	S	2	35	S	2	32	S	27	S	2	32	S	29	17	S 26	S	70	16 S 26		
10000	S	0																		

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET						
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	
Hz	%	dB		%	dB		%	dB	%	dB		%		%	dB		dB		
50	M	31											S	17	20	S 1	S 18	18 S 1	
100	S	13	38	M	97	15	S	17	S	14	36	S	20	S	14	19	S 6	S 16	18 S 6
200	S	9	38	S	10	35	S	22	S	9	35	S	22	S	18	18	S 11	S 21	17 S 16
500	S	7	37	S	8	34	S	22	S	8	34	S	22	S	47	19	S 21	S 63	18 S 21
1000	S	8	37	S	9	22	S	17	S	9	34	S	15	S	45	20	S 16	S 52	19 S 21
2000	S	9	38	S	10	35	S	20	S	10	35	S	17	M	62	15	S 26	M 56	15 S 26
5000	S	2	39	M	93	21	S	37	S	3	37	S	22	M	84	20	S 8	M 60	15 S 9
6000	S	26	38	S	26	36	S		S	23	36	S		M	58	21	S 11	M 51	17 S 11
7000	S	18	39	S	18	36	S		M	74	36	M		M	72	20	S 16	M 49	15 S 16
8000	S	10	39	S	10	36	S	16	S	10	36	S	22	M	69	20	S 26	M 58	13 S 26
9000	S	2	39	S	2	36	S	22	S	2	38	S	22						
10000	S	0																	

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET				
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*
Hz	%	dB		%	dB		%	dB	%	dB		%		%	dB		dB
50																	
100																	
200																	
500																	
1000																	
2000																	
5000																	
6000																	
7000																	
8000																	
9000																	
10000																	

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	
50	S	53	13																								
100	S	9	22	S	13	20	S	24		S	10	22	S	22		S	18	15	S	6		S	12	21	S	1	
200	S	9	21	S	14	18	S	27		S	10	21	S	22		S	19	14	S	16		S	12	20	S	1	
500	S	10	20	S	15	17	S	17		S	10	20	S	12		S	22	14	S	8		S	12	19	S	1	
1000	S	10	21	S	10	21	S	12		S	10	21	S	12		S	28	15	S	11		S	21	19	S	16	
2000	S	9	22	S	11	19	S	14		S	9	22	S	12		S	25	16	S	11		S	22	21	S	11	
5000	S	5	26	S	5	26	S	12		S	5	26	S	22		S	13	20	S	16		S	15	18	S	16	
6000	S	8	23	S	8	20	S	17		S	8	23	S	12		S	22	13	S	16		S	17	21	S	11	
7000	S	6	19	S	6	20	S	22		S	6	19	S	22		S	21	13	S	16		S	14	17	S	16	
8000	S	6	18	S	7	18	S	22		S	6	21	S	22		S	19	19	S	16		S	14	16	S	16	
9000	S	6	21	S	6	22	S	22		S	6	21	S	22		S	18	17	S	16		S	13	16	S	16	
10000	S	0																									

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	
50	M	91	22																								
100	M	11	26	M	12	26	M			M	12	25	M	22		M	17	21	M	6		M	18	20	M	3	
200	M	9	25	M	10	25	S	19		M	9	24	S	17		S	14	19	M	1		M	13	19	M	6	
500	M	7	26	M	8	27	M	17		M	7	27	M	17		M	15	19	M	11		M	17	19	M	11	
1000	S	9	23	S	10	25	M	7		S	9	26	M	7		M	46	17	S	11		S	23	21	S	11	
2000	M	7	28	S	24	27	S			S	24	27	S			S	94	22	M	26		M	56	22	M	26	
5000	M	12	12	M	12	M				M	12	M				M	59	21	M	31		M	54	19	M		
6000	M	25																									
7000	S	5	24	M	18	23	S	27		M	18	24	S	32		M	80	19	S	16		M	36	16	S	16	
8000	S	6	-3	M	71	7	M			M	67	7	M			M	19	19	S	16		M	43	15	S	16	
9000	M	0																									
10000	S	0																									

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	
50																											
100																											
200																											
500																											
1000																											
2000																											
5000																											
6000																											
7000																											
8000																											
9000																											
10000																											

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB		%	dB		dB		%	dB		dB		dB	%	dB		dB		dB	%	dB		dB		
50	S	10																									
100	S	12																									
200	S	3																									
500	S	2																									
1000	S	2																									
2000	S	4																									
5000	S	8																									
6000	S	12																									
7000	M	23																									
8000	M	23																									
9000	M	3																									
10000	S	0																									

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB		%	dB		dB		%	dB		dB		dB	%	dB		dB		dB	%	dB		dB		
50	S	13																									
100	S	15																									
200	S	6																									
500	S	3																									
1000	S	4																									
2000	S	6																									
5000	M	25																									
6000	M	3																									
7000	M	-2																									
8000	M	0																									
9000	M	2																									
10000	S	0																									

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB		%	dB		dB		%	dB		dB		dB	%	dB		dB		dB	%	dB		dB		
50																											
100																											
200																											
500																											
1000																											
2000																											
5000																											
6000																											
7000																											
8000																											
9000																											
10000																											

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET												
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I				
		%	dB		%	dB	dB		%	dB		%	dB	dB		%	dB	dB		%	dB	dB			
50	S	7								S	17	16	S	17		S	51	10	S	8	S	21	15	S	-1
100	S	16	16	S	18	16	S	22		S	18	15	S	13		S	51	9	S	8	S	22	14	S	-2
200	S	18	15	S	18	15	S	17		S	19	14	S	10		S	41	8	S	8	S	24	13	S	-2
500	S	20	14	S	18	15	M	3		S	18	15	S	10		S	39	8	S	8	S	27	13	S	1
1000	S	18	15	S	16	16	M	3		S	16	16	S	12		S	35	9	S	8	S	24	14	S	1
2000	S	16	16	S	13	17	S			S	10	20	S	7		S	21	13	S	11	S	15	18	S	1
5000	S	10	20	S	9	21	M			S	10	20	S	12		S	22	13	S	6	S	22	18	S	3
6000	S	10	20	M	6	23	M			S	9	20	M			S	21	13	S	11	S	26	18	S	6
7000	S	9	20	S	9	20	S			S	9	20	M	2		S	20	13	S	6	S	20	18	S	3
8000	S	10	20	S	8	20	M	7		S	10	20	M	2		S	19	14	S	6	S	15	19	S	6
9000	S	9	21	S	9	20	S	12		S	9	21	S	12		S	19	14	S	6	S	15	19	S	6
10000	S	0																							

90% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET												
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I				
		%	dB		%	dB	dB		%	dB		%	dB	dB		%	dB	dB		%	dB	dB			
50	S	37	19							S	14	25	S	32		S	23	20	S	11	S	23	19	S	11
100	S	10	26	S	16	26	S	33		S	9	25	S	32		S	17	17	S	6	S	15	22	S	6
200	S	7	25	S	12	25	S	32		S	7	25	S	22		S	19	17	S	16	S	19	22	S	6
500	S	7	25	S	7	25	S	22		S	7	25	M	8		S	22	17	S	11	S	30	22	S	11
1000	S	7	25	S	7	25	M	8		S	6	25	S	22		S	25	17	S	11	S	32	22	S	11
2000	S	9	25	M	8	25	M	12		S	6	25	S	22		S	14	17	S	6	S	18	22	S	11
5000	S	6	25	S	7	28	S	22		S	4	23	M	5		S	15	15	S	6	S	19	20	S	6
6000	S	10	24	S	10	24	S	17		S	7	23	M	8		S	26	16	S	11	S	29	21	S	11
7000	S	7	23	M	5	23	M	12		S	7	23	S	12		S	20	15	S	6	S	24	20	S	6
8000	S	7	23	S	7	23	M			S	4	23	M	5		S	15	15	S	6	S	19	20	S	6
9000	S	7	23	S	6	27	M	12		S	7	23	M	3		S	14	17	S	6	S	15	22	S	6
10000	S	0																							

125% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
		%	dB		%	dB	dB		%	dB		%	dB	dB		%	dB	dB		%	dB	dB	
50																							
100																							
200																							
500																							
1000																							
2000																							
5000																							
6000																							
7000																							
8000																							
9000																							
10000																							

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz		%	dB		%	dB		dB			%	dB		dB		%	dB		dB		dB		%	dB		dB
50	S	94	11							S	18	S	17			S	27	11	S	11		S	16	17	S	-2
100	S	13	18	S	14	18	S	17		S	16	S	15	S	16	S	33	10	S	8	S	18	15	S	-3	
200	S	16	16	S		16	S	15		S		S	15	S	12	S	36	9	S	8	S	20	15	S	-2	
500	S	17	15	S		15	S	15		S		S	16	S	12	S	46	10	S	13	S	39	15	S	11	
1000	S	16	16	S		16	S	12		S		S	17	S	12	S	44	12	S	16	S	37	17	S	11	
2000	S	14	17	S		17	S	13		S		S	22	S	14	S	64	15	S	16	M	64	20	S	11	
5000	S	8	22	S		22	S	12		S		S	13	S	12	S	35	16	S	11	S	34	21	S	11	
6000	S	16	22	S	16	22	S	10		S	16	22	S	12		S	35	16	S	11	S	33	22	S	11	
7000	S	13	22	S	13	22	S	12		S	13	22	M	7		S	35	16	S	11						
8000	S	10	76	S	11	16	S	17		S	11	76	S	12		S	55	12	S	11	S	32	14	S	16	
9000	M	-3																								
10000	S	0																								

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz		%	dB		%	dB		dB			%	dB		dB		%	dB		dB		dB		%	dB		dB
50	M	97	25																							
100	M	67	25																							
200	M	98	27																							
500	M	84	28																							
1000	M	75	27																							
2000	M	50	25																							
5000	M	3																								
6000	M	-1																								
7000	M	-1																								
8000	M	-2																								
9000	M	-3																								
10000	S	0																								

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz		%	dB		%	dB		dB			%	dB		dB		%	dB		dB		dB		%	dB		dB
50																										
100																										
200																										
500																										
1000																										
2000																										
5000																										
6000																										
7000																										
8000																										
9000																										
10000																										

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50	S	69	12														S	18	15	S	6
100	S	10	21	S	11	21	S	17		S	12	20	S	17		S	17	16	S	6	
200	S	12	19	S	12	19	S	17		S	12	19	S	12		S	20	14	S	6	
500	S	12	18	S	13	19	S	12		S	13	18	S	12		S	22	14	S	6	
1000	S	12	19	S	12	19	S	12		S	12	19	S	12		S	27	14	S	8	
2000	S	10	20	S	10	20	S	12		S	10	20	S	12		S	24	15	S	11	
5000	S	6	23	S	6	22	S	12		S	9	21	S	17		S	14	18	S	6	
6000	S	8	24	S	8	23	S	12		S	8	23	S	12		S	19	19	S	11	
7000	S	7	24	S	7	22	S	12		S	7	24	S	12		S	17	19	S	11	
8000	S	6	24	S	6	24	S	12		S	6	24	S	22		S	16	19	S	16	
9000	S	6	25	S	6	24	S	12		S	6	25	S	22		S	14	19	S	16	
10000	S		0																		

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50	S	17	20	S	17	20	S	17		S	18	20	S	17		S	27	15	S	6	
100	S	8	26	S	8	23	S	27		S	8	26	S	17		S	13	20	S	6	
200	S	6	27	M	7	26	S	22		S	7	26	S	22		S	11	21	S	6	
500	S	6	27	S	6	27	M	17		S	6	27	S	22		S	12	21	S	6	
1000	S	6	27	S	7	27	S	17		S	6	27	M	12		S	22	22	S	16	
2000	S	7	27	S	7	25	S	17		S	7	27	S	12		S	21	22	S	16	
5000	S	4	27	M	4	30	M	12		S	5	25	S	32		S	10	21	S	6	
6000	S	10	26	S	10	26	M	8		S	10	26	M	8		S	22	20	S	6	
7000	S	6	25	S	6	25	S	12		S	6	25	S	12		S	17	19	S	8	
8000	S	5	25	M	6	25	M	17		S	5	25	S	12		S	13	20	S	6	
9000	S	5	25	S	5	25	S	12		S	5	25	S	22		S	12	20	S	6	
10000	S		0																		

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50																					
100																					
200																					
500																					
1000																					
2000																					
5000																					
6000																					
7000																					
8000																					
9000																					
10000																					

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	S	3																								
100	S	3																								
200	S	2																								
500	S	1																								
1000	S	1																								
2000	S	1																								
5000	S	1																								
6000	S	4																								
7000	S	6																								
8000	S	6																								
9000	S	8																								
10000	S	0																								

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	S	7																								
100	S	11																								
200	S	6																								
500	S	5																								
1000	S	7																								
2000	S	13																								
5000	S	24																								
6000	S	24																								
7000	S	24																								
8000	S	23																								
9000	S	24																								
10000	S	0																								

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50																										
100																										
200																										
500																										
1000																										
2000																										
5000																										
6000																										
7000																										
8000																										
9000																										
10000																										

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE				25 Hz OFFSET				15 Hz OFFSET				-10 kHz OFFSET				+10 kHz OFFSET															
	*	DS	S/N		@ 26 dB D/U				*	DS	S/N		@ 26 dB D/U				*	DS	S/N		@ 0 dB D/U				*	DS	S/N		@ 0 dB D/U			
			%	dB	%	dB	dB	%			dB	%	dB	%	dB	%			dB	%	dB	%	dB	%			dB	%	dB			
50	S	S	16	8	S	18	17	S	S	S	17	18	S	18	S	27	12	S	6	S	44	11	S	6	S	44	11	S	6			
100	S	S	17	17	S	17	16	S	S	S	17	16	S	11	S	29	11	S	6	S	31	10	S	6	S	31	10	S	6			
200	S	S	17	15	S	17	16	S	S	S	18	15	S	12	S	31	10	S	8	S	33	10	S	6	S	33	10	S	6			
500	S	S	17	15	S	17	16	S	S	S	16	16	S	12	S	29	11	S	6	S	31	11	S	6	S	31	11	S	6			
1000	S	S	16	16	S	16	16	S	S	S	16	16	S	12	S	26	12	S	6	S	27	12	S	6	S	27	12	S	6			
2000	S	S	13	17	S	14	17	S	S	S	14	17	S	12	S	18	15	S	6	S	20	14	S	6	S	20	14	S	6			
5000	S	S	9	20	S	6	20	S	S	S	9	20	S	12	S	18	15	S	6	S	21	14	S	6	S	21	14	S	6			
6000	S	S	9	21	S	9	21	M	S	S	9	21	S	12	S	18	15	S	6	S	21	15	S	6	S	21	15	S	6			
7000	S	S	9	21	S	5	23	S	S	S	9	22	S	7	S	18	15	S	6	S	21	15	S	6	S	21	15	S	6			
8000	S	S	8	21	S	8	21	M	S	S	8	21	S	12	S	15	15	S	6	S	19	15	S	6	S	19	15	S	6			
9000	S	S	8	22	S	5	25	S	S	S	8	22	S	12	S	14	16	S	6	S	15	16	S	6	S	15	16	S	6			
10000	S	S	8	0	S	5	25	S	S	S	8	22	S	12	S	14	16	S	6	S	15	16	S	6	S	15	16	S	6			

90% MODULATION

125% MODULATION

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50	S	11								S	18	S	17	S	23	S	6	S	24	S	6
100	S	14	18	S	17	S	17	S		S	16	S	12	S	27	S	6	S	27	S	3
200	S	17	16	S	16	S	17	S		S	15	S	7	S	32	S	5	S	33	S	5
500	S	18	15	S	15	S	15	S		S	15	S	14	S	46	S	12	S	53	S	13
1000	S	18	15	M	15	S	12	S		S	16	S	12	S	43	S	16	S	44	S	13
2000	S	15	16	S	16	S	12	S		S	20	S	8	S	24	S	11	S	25	S	11
5000	S	10	20	S	20	S	17	S		S	16	S	20	S	42	S	11	S	68	S	11
6000	S	16	19	M	58	S	16	S		S	13	S	10	S	50	S	11	S	55	S	11
7000	S	13	20	S	13	S	20	S	10	S	13	S	20	S	30	S	11	S	35	S	11
8000	S	11	20	S	78	S	9	S	12	S	11	S	20	S	27	S	11	S	28	S	16
9000	S	9	21	S	10	S	21	S	17	S	10	S	21	S	16	S	11				
10000	S	0																			

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50	M	73	17							S	24	S	19	S	21	S	15	S	19	S	1
100	S	12	25	S	12	S	25	S	19	S	10	S	24	S	17	S	13	S	19	S	1
200	S	10	24	M	56	S	24	S	12	S	12	S	23	S	16	S	19	S	5	S	19
500	S	11	23	S	12	S	24	S	12	S	12	S	23	S	17	S	42	S	16	S	6
1000	S	12	23	S	12	S	23	S	12	S	30	S	23	S	17	S	32	S	11	S	44
2000	S	10	25	S	10	S	24	S	12	S	9	S	26	S	12	S	10	S	21	S	13
5000	S	4	27	S	4	S	27	S	17	S	4	S	27	S	22	S	10	S	6	S	16
6000	S	9	26	S	9	S	25	S	12	S	9	S	26	S	12	S	20	S	6	S	22
7000	S	6	25	S	6	S	25	S	12	S	6	S	25	S	12	S	19	S	11	S	18
8000	S	5	25	S	5	S	23	S	12	S	5	S	25	S	12	S	16	S	20	S	16
9000	S	5	26	S	5	S	25	S	12	S	5	S	25	S	12	S	14	S	20	S	16
10000	S	-1																			

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50																					
100																					
200																					
500																					
1000																					
2000																					
5000																					
6000																					
7000																					
8000																					
9000																					
10000																					

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB
50	S	53	12												
100	S	10	21	S	10	21	S	17	S	10	21	S	17	S	18
200	S	11	20	S	12	19	S	22	S	11	19	S	17	S	20
500	S	12	18	S	13	18	S	12	S	13	18	S	12	S	23
1000	S	12	19	S	12	18	S	12	S	12	19	S	12	S	28
2000	S	10	20	S	10	20	S	12	S	10	20	S	12	S	25
5000	S	6	24	S	6	24	S	12	S	6	24	S	22	S	15
6000	S	8	24	S	8	24	S	12	S	8	24	S	12	S	20
7000	S	7	24	S	7	24	S	12	S	7	24	S	12	S	18
8000	S	6	24	M	8	22	S		S	6	24	S	22	S	17
9000	S	6	25	S	6	25	S	12	S	6	25	S	12	S	14
10000	S	0							S	14	19	S	6	S	19

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB
50	S	14	21	M	14	18	M	22	M	14	21	S	22	M	33
100	S	19	27	M	7	27	M	8	M	7	26	M	22	M	21
200	S	9	28	M	6	30	M	12	S	10	28	S	17	S	20
500	S	7	27	M	6	25	M	12	S	7	27	S	12	S	17
1000	S	8	28	S	9	27	S	17	S	9	27	S	20	S	28
2000	S	12	28	S	12	28	S	15	S	12	28	S	20	S	33
5000	S	4	28	M	4	28	M	17	S	6	28	S	42	M	23
6000	S	17	27	S	17	27	M		M	15	27	M	10	M	74
7000	S	8	26	M	8	27	M	12	S	10	25	S	22	M	28
8000	S	5	26	S	5	26	M	12	M	5	26	M	12	M	53
9000	S	5	26	S	5	26	M	7	M	4	26	M	7	S	14
10000	S	0							S	17	20	S	6	S	19

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB
50															
100															
200															
500															
1000															
2000															
5000															
6000															
7000															
8000															
9000															
10000															

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz	%	dB		%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	
50	S	2														
100	S	2														
200	S	1														
500	S	1														
1000	S	1														
2000	S	1														
5000	S	1														
6000	S	3														
7000	S	5														
8000	S	5														
9000	S	8														
10000	S	0														

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz	%	dB		%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	
50	S	12														
100	M	23														
200	S	10														
500	S	8														
1000	S	11														
2000	S	16														
5000	S	20														
6000	S	21														
7000	S	21														
8000	S	21														
9000	S	22														
10000	S	0														

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz	%	dB		%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	
50																
100																
200																
500																
1000																
2000																
5000																
6000																
7000																
8000																
9000																
10000																

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	S	7								S	18	16	S	22		S	28	11	S	6	S	48	11	S	6		
100	S	17	16	S	19	16	S	22		S	19	15	S	15		S	32	10	S	6	S	33	10	S	6		
200	S	18	15	S	19	15	S	18		S	19	15	S	12		S	35	10	S	6	S	35	9	S	6		
500	S	19	15	S	19	16	M			S	18	15	M			S	32	10	S	6	S	33	10	S	6		
1000	S	17	15	S	17	15	M	3		S	15	17	S	10		S	28	12	S	6	S	29	11	S	6		
2000	S	15	17	S	15	17	S	12		S	10	20	S	12		S	19	14	S	6	S	21	14	S	6		
5000	S	10	20	S	10	20	S	14		S	10	20	S	12		S	19	14	S	6	S	23	14	S	6		
6000	S	10	20	S	7	22	M	5		S	10	20	S	12		S	21	14	S	6	S	23	14	S	6		
7000	S	10	20	S	6	23	M			S	10	20	S	4		S	18	15	S	6	S	21	14	S	6		
8000	S	10	20	M	6	23	M	4		S	10	20	S	18		S	17	15	S	6	S	18	15	S	6		
9000	S	9	21	S	9	21	S	12		S	9	21	S	12		S	17	15	S	6	S	18	15	S	6		
10000	S	0																									

90% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	S	68	14							M	15	27	M	22		M	25	21	S		M	27	20	M			
100	M	13	26	M	15	27	M	22		M	15	27	M	22		S	20	18	S	3	S	23	17	S	5		
200	S	11	24	S	21	24	M	10		S	12	25	S	22		S	21	18	S	6	S	25	17	S	6		
500	S	7	24	M	4	27	M	9		S	8	24	M	8		S	29	18	S	16	S	35	18	S	11		
1000	S	6	25	S	7	25	S	12		S	7	25	S	22		S	30	19	S	16	S	37	18	S	16		
2000	S	7	26	M	8	28	M	22		S	7	25	S	22		S	26	17	S	11	S	17	18	S	16		
5000	S	6	25	S	6	25	M	12		S	6	28	M	8		S	17	18	S	16	S	19	17	S	16		
6000	S	8	25	M	10	27	M	22		M	10	25	S	22		S	28	18	S	16	S	61	18	S	16		
7000	S	7	24	S	7	24	M	12		S	7	24	S	22		S	16	18	S	6	S	32	17	S	11		
8000	S	6	24	M	4	27	M	8		S	7	24	S	22		S	15	18	S	6	S	17	17	S	6		
9000	S	6	24	S	6	24	S	17		S	4	24	S	12													
10000	S	0																									

125% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50																											
100																											
200																											
500																											
1000																											
2000																											
5000																											
6000																											
7000																											
8000																											
9000																											
10000																											

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET															
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	
50	S	97	10							S	17	S	14	S	25	13	S	6	S	26	12	S	6					
100	S	15	17	S	37	17	S	17	S	15	S	14	S	29	11	S	6	S	30	11	S	6						
200	S	18	15	S	21	14	S	12	S	14	S	12	S	33	10	S	4	S	34	10	S	6						
500	S	20	14	S	14	14	S	14	S	14	S	17	S	47	11	S	16	S	49	11	S	16						
1000	S	18	14	S	17	16	S	12	S	15	S	12	S	44	12	S	11	S	45	12	S	11						
2000	S	17	16	S	17	16	S	12	S	15	S	12	S	25	15	S	8	S	25	13	S	11						
5000	S	11	19	S	11	19	S	15	S	19	S	12	S	42	15	S	11	S	69	15	S	11						
6000	S	16	19	S	16	19	S	12	S	16	S	5	S	50	15	S	11	S	15	15	S	11						
7000	S	14	19	M	93	7	S		S	14	19	S	12	S	33	15	S	11	S	37	15	S	11					
8000	S	12	20	S	12	20	S	12	S	12	19	S	12	S	28	16	S	11	S	28	16	S	11					
9000	S	10	20	S	10	20	S	12	S	10	21	S	14	S														
10000	S	10	0																									

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET															
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	
50	M	2								S	15	3	S	17	S	24	S	22	S	17	19	S	-2	S	17	19	S	1
100	S	14	24	S	15	3	S	17	S	12	23	S	22	S	15	18	S	1	S	15	18	S	1					
200	S	11	23	M	56	8	S	26	S	11	22	S	12	S	18	18	S	6	S	19	17	S	6					
500	S	11	22	S	11	22	S	17	S	11	22	S	8	S	42	18	S	16	S	44	18	S	16					
1000	S	11	22	S	11	22	S	12	S	12	23	S	12	S	41	19	S	16	S	42	19	S	16					
2000	S	12	23	S	12	22	S	12	S	6	26	S	6	S	54	12	M	26	S	70	14	M	26					
5000	S	7	25	S	7	24	S	12	S					S														
6000	M	63	23																									
7000	M	67	24																									
8000	M	36	24																									
9000	M	12	24																									
10000	S	8	0	S	8	24	S			M	13	20	S		S	92	19	M	26	S	19	M	26					

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50																											
100																											
200																											
500																											
1000																											
2000																											
5000																											
6000																											
7000																											
8000																											
9000																											
10000																											

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

90% MODULATION

125% MODULATION

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET									
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	S	10																				
100	S	12																				
200	S	3																				
500	S	2																				
1000	S	2																				
2000	S	4																				
5000	S	8																				
6000	S	12																				
7000	M	23																				
8000	M	24																				
9000	M	3																				
10000	S	0																				

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET									
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	S	13																				
100	S	15																				
200	S	6																				
500	S	4																				
1000	S	5																				
2000	S	7																				
5000	M	25																				
6000	M	3																				
7000	M	-2																				
8000	M	0																				
9000	M	1																				
10000	S	0																				

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET									
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50																						
100																						
200																						
500																						
1000																						
2000																						
5000																						
6000																						
7000																						
8000																						
9000																						
10000																						

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	S	7														S	56	10	S	8		S	20	15	S	0	
100	S	16	17	S	17	17	S	22	S	16	17	S	17	S	43	9	S	11	S	21	14	S	-2				
200	S	17	16	S	18	16	S	22	S	18	15	S	19	S	41	8	S	8	S	23	13	S	-2				
500	S	19	15	S	19	15	S	12	S	19	14	S	12	S	39	8	S	8	S	26	13	S	1				
1000	S	18	15	S	16	16	S	8	S	18	15	S	12	S	33	10	S	8	S	23	15	S	1				
2000	S	16	16	S	16	16	S	12	S	16	16	S	12	S	20	13	S	6	S	15	18	S	1				
5000	S	9	20	S	9	20	M	4	S	9	20	S	12	S	21	13	S	6	S	22	18	S	6				
6000	S	10	20	S	8	22	M	4	S	10	20	S	12	S	21	13	S	11	S	26	18	S	6				
7000	S	9	20	S	8	22	M		S	9	20	S	12	S	20	13	S	6	S	20	18	S	6				
8000	S	10	20	S	7	20	M		S	9	20	M	2	S	18	14	S	6	S	15	19	S	1				
9000	S	9	21	S	8	21	M	3	S	9	21	M	2	S	18	14	S	6	S	15	19	S	1				
10000	S	0																									

90% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	M	39	20	S	16	26	M	17	S	15	26	S	32	S	23	20	S	11	S	23	19	S	11				
100	S	10	25	S	11	26	M	10	S	8	26	S	27	S	17	17	S	6	S	15	22	S	6				
200	S	7	25	S	7	25	S	22	S	7	28	S	22	S	19	17	S	16	S	18	22	S	6				
500	S	6	25	S	6	25	M	9	M	4	25	M	8	S	22	17	S	11	S	30	23	S	11				
1000	S	7	25	S	9	26	M	12	M	9	25	M	12	S	24	18	S	8	S	32	23	S	11				
2000	S	9	25	S	9	28	S	22	S	6	25	S	22	S	14	22	S	16	S	16	23	S	11				
5000	S	6	25	S	10	24	S	17	S	10	24	S	22	S	25	17	S	11	S	29	21	S	11				
6000	S	10	24	S	7	23	M	12	S	7	24	M	8	S	20	16	S	11	S	24	21	S	6				
7000	S	7	23	S	6	23	M	6	M	4	23	M	5	S	15	15	S	6	S	19	21	S	6				
8000	S	7	23	S	4	24	M	4	S	6	24	M	3	S	14	17	S	6	S	15	22	S	6				
9000	S	7	23	S																							
10000	S	0																									

125% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50																											
100																											
200																											
500																											
1000																											
2000																											
5000																											
6000																											
7000																											
8000																											
9000																											
10000																											

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET									
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	
50	S	98	11														S	15	17	S	-3	
100	S	13	18	S	14	18	S	17	S	18	S	17	S	27	12	S	6	S	18	15	S	-2
200	S	16	16	S		16	S	17	S	16	S	14	S	32	10	S	11	S	20	15	S	-2
500	S	16	16	S		15	S	15	S	17	16	S	S	35	10	S	11	S	39	16	S	10
1000	S	16	16	S		16	S	12	S	16	16	S	S	46	11	S	11	S	37	17	S	11
2000	S	14	17	S		17	S	12	S	17	S	12	S	42	12	S	13	S	64	11	S	11
5000	S	8	22	S		22	S	12	S	8	22	S	S	24	16	S	16	M	34	22	S	11
6000	S	16	22	S	16	22	S	8	S	16	22	S	S	35	16	S	11	S	33	22	S	11
7000	S	13	22	S	13	22	S	10	S	13	22	S	S	32	17	S	11	S	33	15	S	11
8000	S	11	84	S	11	77	S	20	S	11	80	S	S	50	16	S	11	S	33	15	S	11
9000	M	-3																				
10000	S		0																			

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	
50	M	98	25																		
100	M	97	25																		
200	M	98	26																		
500	M	85	28																		
1000	M	71	27																		
2000	M	76	20																		
5000	M	3																			
6000	M	-1																			
7000	M	-1																			
8000	M	-2																			
9000	M	-2																			
10000	S	0																			

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	
50																					
100																					
200																					
500																					
1000																					
2000																					
5000																					
6000																					
7000																					
8000																					
9000																					
10000																					

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB		*	DS	S/N	%	dB		*	DS	S/N	%	dB		*	DS	S/N	%	dB		*	DS	S/N	%	dB
50	M		4																								
100	M	46	11																								
200	M	31	10																								
500	M	33	10																								
1000	M	31	10																								
2000	M	28	10	M	27	11	M			M	30	11	M			M	30	11	M		M	28	10	M			
5000	M		3																								
6000	M		1																								
7000	M		1																								
8000	M		-1																								
9000	M		0																								
10000	M		0																								

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB		*	DS	S/N	%	dB		*	DS	S/N	%	dB		*	DS	S/N	%	dB		*	DS	S/N	%	dB
50	M	50	10																								
100	M	16	17	M	16	17	M	15		M	16	16	M	15		M	17	16	M	-8	M	16	16	M	-9		
200	M	12	19	M	12	18	M	15		M	13	18	M	12		M	13	18	M	-9	M	12	18	M	-9		
500	M	12	18	M	12	19	M	10		M	12	19	M	6		M	12	18	M	-9	M	12	18	M	-9		
1000	M	11	19	M	12	19	M	12		M	12	19	M	12		M	12	18	M	-4	M	12	19	M	-4		
2000	M	15	19	M	15	18	M	5		M	15	18	M	7		M	15	18	M		M	15	18	M	-9		
5000	M	95	7																								
6000	M		2																								
7000	M		1																								
8000	M		1																								
9000	M		0																								
10000	M		0																								

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB		*	DS	S/N	%	dB		*	DS	S/N	%	dB		*	DS	S/N	%	dB		*	DS	S/N	%	dB
50																											
100																											
200																											
500																											
1000																											
2000																											
5000																											
6000																											
7000																											
8000																											
9000																											
10000																											

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U			
Hz	%	dB		%	dB	dB		dB		%	dB	dB		dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB			
50	M	4																																			
100	M	11																																			
200	M	11																																			
500	M	10																																			
1000	M	10																																			
2000	M	11																																			
5000	M	2																																			
6000	M	0																																			
7000	M	0																																			
8000	M	-1																																			
9000	M	-1																																			
10000	M	0																																			

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U								
Hz	%	dB		%	dB	dB		dB		%	dB	dB		dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB						
50	M	10																																		
100	M	19																																		
200	M	19																																		
500	M	18																																		
1000	M	18																																		
2000	M	19																																		
5000	M	7																																		
6000	M	2																																		
7000	M	1																																		
8000	M	1																																		
9000	M	1																																		
10000	M	0																																		

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																						
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U							
Hz	%	dB		%	dB	dB		dB		%	dB	dB		dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB					
50																																			
100																																			
200																																			
500																																			
1000																																			
2000																																			
5000																																			
6000																																			
7000																																			
8000																																			
9000																																			
10000																																			

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
Hz	%	dB		%	dB	%	dB		%	%	dB	%	dB		%	%	dB	%	dB	%	dB		
50	M	98	6																				
100	M	19	15	M	19	14	M	7	M	19	15	M				M	21	14	M	-4			
200	M	20	14	M	20	14	M	12	M	20	14	M	12	M	21	14	M	-4	M	21	14	M	-6
500	M	22	13	M	22	13	M	5	M	22	13	M	7	M	23	13	M	-8	M	22	13	M	-9
1000	M	20	14	M	20	14	M	4	M	20	14	M	5	M	20	13	M	-9	M	20	14	M	-9
2000	M	18	15	M	17	15	M	5	M	18	15	M	12	M	19	14	M	-9	M	19	14	M	-9
5000	M		4																				
6000	M		1																				
7000	M		0																				
8000	M		1																				
9000	M		0																				
10000	M		0																				

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
Hz	%	dB		%	dB	%	dB		%	%	dB	%	dB		%	%	dB	%	dB	%	dB		
50	M	37	17																				
100	M	16	22	M	16	22	M	13	M	16	22	M	15	M	16	22	M		M	16	22	M	
200	M	11	24	M	11	24	M	17	M	11	24	M	15	M	10	24	M		M	11	24	M	
500	M	9	24	M	9	24	M	17	M	9	23	M	17	M	9	24	M	-9	M	9	23	M	
1000	M	9	24	M	9	24	M	17	M	9	24	M	22	M	9	24	M	-9	M	10	24	M	-4
2000	M	11	24	M	11	24	M	12	M	11	24	M	12	M	11	24	M		M	11	24	M	
5000	M	84	8																				
6000	M		2																				
7000	M		1																				
8000	M		1																				
9000	M		1																				
10000	M		0																				

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB	%	dB		%	%	dB	%	dB		%	%	dB	%	dB	%	dB
50																					
100																					
200																					
500																					
1000																					
2000																					
5000																					
6000																					
7000																					
8000																					
9000																					
10000																					

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET				
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	S/I
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB
50	M	0															
100	M	0															
200	M	1															
500	M	1															
1000	M	0															
2000	M	2															
5000	M	0															
6000	M	-1															
7000	M	0															
8000	M	-1															
9000	M	1															
10000	M	1															

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET				
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	S/I
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB
50	M	94	10														
100	M	32	19														
200	M	56	12														
500	M	78	7														
1000	M	93	9														
2000	M	79	9														
5000	M	96	6														
6000	M	1															
7000	M	1															
8000	M	0															
9000	M	-1															
10000	M	0															

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET				
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	S/I
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB
50																	
100																	
200																	
500																	
1000																	
2000																	
5000																	
6000																	
7000																	
8000																	
9000																	
10000																	

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET				
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB
50	M	4															
100	M	28	12	M	27	12	M	M	27	12	M	6	M	44	12	M	
200	M	29	11	M	29	11	M	M	29	11	M	7	M	30	11	M	-9
500	M	32	10														
1000	M	29	11	M	29	10	M	M	29	11	M	5	M	30	10	M	-9
2000	M	26	11	M	27	11	M	M	27	11	M		M	28	11	M	-9
5000	M	2															
6000	M	0															
7000	M	0															
8000	M	0															
9000	M	0															
10000	M	0															

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*		
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	
50	M	53	12															
100	M	11	21	M	11	20	M	22	M	11	21	M	22	M	11	20	M	-9
200	M	11	20	M	11	20	M	17	M	11	20	M	12	M	11	20	M	-9
500	M	12	19	M	12	19	M	10	M	11	19	M	7	M	12	19	M	
1000	M	10	20	M	11	20	M	12	M	11	20	M	22	M	11	19	M	-4
2000	M	13	20	M	13	20	M	7	M	13	20	M	8	M	13	20	M	
5000	M	6																
6000	M	1																
7000	M	0																
8000	M	0																
9000	M	0																
10000	M	1																

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET				
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB
50																	
100																	
200																	
500																	
1000																	
2000																	
5000																	
6000																	
7000																	
8000																	
9000																	
10000																	

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB		%	dB	dB		dB		%	dB	dB		dB		%	dB	dB		dB		%	dB	dB		dB
50	M		4																								
100	M		4																								
200	M		10																								
500	M		10																								
1000	M		10																								
2000	M		11																								
5000	M		2																								
6000	M		0																								
7000	M		0																								
8000	M		0																								
9000	M		-1																								
10000	M		0																								

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB		%	dB	dB		dB		%	dB	dB		dB		%	dB	dB		dB		%	dB	dB		dB
50	M		11																								
100	M		20																								
200	M		20																								
500	M		19																								
1000	M		19																								
2000	M		20																								
5000	M		5																								
6000	M		0																								
7000	M		0																								
8000	M		-1																								
9000	M		0																								
10000	M		0																								

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB		%	dB	dB		dB		%	dB	dB		dB		%	dB	dB		dB		%	dB	dB		dB
50																											
100																											
200																											
500																											
1000																											
2000																											
5000																											
6000																											
7000																											
8000																											
9000																											
10000																											

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB	%	dB			%	dB	%	dB			%	dB	%	dB	
50	M	6																		
100	M	21	14	M	22	14	M	7		M	21	14	M	7		M	22	13	M	-8
200	M	22	13	M	23	13	M	7		M	22	13	M	5		M	23	13	M	-9
500	M	24	12	M	24	12	M	4		M	24	12	M	3		M	25	12	M	-9
1000	M	22	13	M	23	13	M	5		M	22	13	M	2		M	23	13	M	-9
2000	M	20	14	M	20	14	M	5		M	20	14	M	5		M	20	13	M	-9
5000	M	3																		
6000	M	1																		
7000	M	1																		
8000	M	0																		
9000	M	0																		
10000	M	0																		

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB	%	dB			%	dB	%	dB			%	dB	%	dB	
50	M	24	13	M	25	13	M	15		M	25	13	M	15		M	25	13	M	-4
100	M	17	21	M	17	21	M	15		M	17	21	M	15		M	17	21	M	-4
200	M	10	22	M	10	21	M	17		M	10	22	M	15		M	10	21	M	-4
500	M	9	21	M	9	21	M	12		M	9	21	M	10		M	9	21	M	-4
1000	M	9	21	M	9	21	M	12		M	9	21	M	12		M	9	21	M	-4
2000	M	10	21	M	10	21	M	15		M	11	21	M	12		M	11	21	M	-4
5000	M	97	6																	
6000	M	1																		
7000	M	0																		
8000	M	0																		
9000	M	0																		
10000	M	0																		

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB	%	dB			%	dB	%	dB			%	dB	%	dB	
50																				
100																				
200																				
500																				
1000																				
2000																				
5000																				
6000																				
7000																				
8000																				
9000																				
10000																				

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	M		0															
100	M		0															
200	M		1															
500	M		1															
1000	M		1															
2000	M		1															
5000	M		0															
6000	M		0															
7000	M		0															
8000	M		-1															
9000	M		0															
10000	M		0															

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	M		1															
100	M		1															
200	M		3															
500	M		2															
1000	M		3															
2000	M		7															
5000	M		0															
6000	M		-1															
7000	M		-1															
8000	M		-1															
9000	M		-1															
10000	M		0															

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50																		
100																		
200																		
500																		
1000																		
2000																		
5000																		
6000																		
7000																		
8000																		
9000																		
10000																		

* M = Monoaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with Left only modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
	Hz	%	dB	dB	%	dB	dB	dB	%	dB	%	dB	%	dB	dB
50	M	5													
100	M	24	13	M	24	13	M	12	M	24	13	M	M	24	12
200	M	25	12	M	26	12	M	10	M	25	12	M	M	26	12
500	M	28	11	M	27	11	M	3	M	27	11	M	M	28	11
1000	M	25	12	M	24	12	M	2	M	24	12	M	M	25	12
2000	M	21	13	M	22	13	M	2	M	22	13	M	M	22	13
5000	M	4													
6000	M	0													
7000	M	-1													
8000	M	-1													
9000	M	-1													
10000	M	0													

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
	Hz	%	dB	dB	%	dB	dB	dB	%	dB	%	dB	%	dB	dB
50	M	84	16												
100	M	16	21	M	17	21	M	17	M	17	21	M	M	18	20
200	M	13	18	M	14	18	M	13	M	14	18	M	M	13	18
500	M	11	18	M	12	18	M	12	M	12	18	M	M	12	18
1000	M	11	21	M	11	21	M	12	M	10	21	M	M	11	21
2000	M	19	19	M	17	19	M	7	M	17	19	M	M	19	19
5000	M	2													
6000	M	-2													
7000	M	-2													
8000	M	-2													
9000	M	-2													
10000	M	0													

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
	Hz	%	dB	dB	%	dB	dB	dB	%	dB	%	dB	%	dB	dB
50															
100															
200															
500															
1000															
2000															
5000															
6000															
7000															
8000															
9000															
10000															

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		
50	M	5																			
100	M	13																			
200	M	12																			
500	M	11																			
1000	M	12																			
2000	M	12																			
5000	M	2																			
6000	M	-1																			
7000	M	-1																			
8000	M	-1																			
9000	M	-2																			
10000	M	0																			

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		
50	M	7																			
100	M	15																			
200	M	15																			
500	M	14																			
1000	M	15																			
2000	M	15																			
5000	M	2																			
6000	M	-3																			
7000	M	-4																			
8000	M	-3																			
9000	M	-3																			
10000	M	0																			

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		
50																					
100																					
200																					
500																					
1000																					
2000																					
5000																					
6000																					
7000																					
8000																					
9000																					
10000																					

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50	M	5																			
100	M	22	13	M	21	13	M	5	M	22	13	M	5	M	22	13	M	-9	M	22	14
200	M	23	13	M	23	13	M	4	M	24	13	M	5	M	24	13	M	-9	M	23	13
500	M	24	12	M	25	12	M	5	M	24	12	M	5	M	26	12	M	-9	M	26	12
1000	M	23	13	M	23	13	M	3	M	23	13	M	2	M	23	12	M		M	23	12
2000	M	20	13	M	21	13	M	7	M	21	13	M	7	M	21	13	M	-9	M	22	13
5000	M	3																			
6000	M	1																			
7000	M	0																			
8000	M	0																			
9000	M	0																			
10000	M	0																			

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50	M	59	14																		
100	M	14	19	M	14	20	M	12	M	15	19	M	12	M	14	19	M		M	14	19
200	M	9	22	M	9	22	M	12	M	9	22	M	12	M	9	22	M	-9	M	9	22
500	M	9	22	M	9	22	M	12	M	9	22	M	12	M	9	22	M	-9	M	9	22
1000	M	8	22	M	9	22	M	12	M	8	22	M	12	M	8	22	M	-9	M	9	22
2000	M	10	22	M	10	22	M	12	M	10	22	M	12	M	10	21	M	-9	M	10	22
5000	M	95	6																		
6000	M	1																			
7000	M	1																			
8000	M	0																			
9000	M	0																			
10000	M	0																			

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50																					
100																					
200																					
500																					
1000																					
2000																					
5000																					
6000																					
7000																					
8000																					
9000																					
10000																					

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 1 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I
Hz	%	dB		%	dB		dB		%	dB		dB		%	dB		dB	
50	M	0																
100	M	0																
200	M	1																
500	M	1																
1000	M	0																
2000	M	1																
5000	M	0																
6000	M	-1																
7000	M	-1																
8000	M	-1																
9000	M	-2																
10000	M	0																

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I
Hz	%	dB		%	dB		dB		%	dB		dB		%	dB		dB	
50	M	89	20															
100	M	65	19															
200	M	94	19															
500	M	62	19															
1000	M	77	16															
2000	M	84	16															
5000	M	-2																
6000	M	-3																
7000	M	-3																
8000	M	-3																
9000	M	-3																
10000	M	0																

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I
Hz	%	dB		%	dB		dB		%	dB		dB		%	dB		dB	
50																		
100																		
200																		
500																		
1000																		
2000																		
5000																		
6000																		
7000																		
8000																		
9000																		
10000																		

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

**Appendix C. Measurement results from testing
receiver no. 2 at 1330 kHz.**

PAGE	SOURCE	MODULATION MATRIX	FIELD STRENGTH
76	C-Quam exciter	left only	10. mV/m
77	C-Quam exciter	right only	10. mV/m
78	C-Quam exciter	left=right	10. mV/m
79	C-Quam exciter	left=-right	10. mV/m
80	C-Quam generator	left only	10. mV/m
81	C-Quam generator	right only	10. mV/m
82	C-Quam generator	left=right	10. mV/m
83	C-Quam generator	left=-right	10. mV/m
84	Kahn generator	left only	10. mV/m
85	Kahn generator	right only	10. mV/m
86	Kahn generator	left=right	10. mV/m
87	Kahn generator	left=-right	10. mV/m
88	C-Quam exciter	left only	.5 mV/m
89	C-Quam exciter	right only	.5 mV/m
90	C-Quam exciter	left=right	.5 mV/m
91	C-Quam exciter	left=-right	.5 mV/m
92	C-Quam generator	left only	.5 mV/m
93	C-Quam generator	right only	.5 mV/m
94	C-Quam generator	left=right	.5 mV/m
95	C-Quam generator	left=-right	.5 mV/m
96	Kahn generator	left only	.5 mV/m
97	Kahn generator	right only	.5 mV/m
98	Kahn generator	left=right	.5 mV/m
99	Kahn generator	left=-right	.5 mV/m

Table of performance measurements on receiver number 2 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE				25 Hz OFFSET				15 Hz OFFSET				-10 kHz OFFSET				+10 kHz OFFSET								
	*	DS	S/N	%	@ 26 dB D/U	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I
Hz																									
50	M	4	26	%	M	9	22	M	32	M	8	23	M	32	M	9	M	21	M	98	2	M	31		
100	S	3	35	S	5	31	S	27	S	5	32	S	32	S	14	17	S	16	S	44	7	S	26		
200	S	3	33	S	5	31	S	27	S	4	31	S	32	S	17	16	S	16	S	50	6	S	26		
500	S	3	33	S	4	30	S	27	S	3	30	S	22	S	18	15	S	16	S	54	6	S	26		
1000	S	2	34	M	3	30	S	27	S	3	30	S	32	S	16	16	S	16	S	51	6	S	26		
2000	S	2	36	S	3	32	S	22	S	3	32	S	22	S	14	17	S	16	S	44	7	S	26		
5000	S	5	36	S	5	34	S	22	S	5	34	S	22	S	12	19	S	6	S	38	9	S	15		
6000	S	6	34	S	6	31	S	22	S	6	31	S	22	S	15	16	S	16	S	47	7	S	26		
7000	S	5	31	M	22	22	S	27	S	6	28	S	22	S	22	14	S	16	S	5	S	26			
8000	S	4	30	S	6	27	S	27	S	16	19	S	42	S	25	12	S	16	S	92	4	S	26		
9000	S	6	25	S	9	22	S	27	M	10	22	S	29	S	92	8	S	26	S	92	2	S	26		
10000	S	6	24	M	10	21	S	32	S	20	15	S	37	S	92	8	S	26	S	92	2	S	36		

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE				25 Hz OFFSET				15 Hz OFFSET				-10 kHz OFFSET				+10 kHz OFFSET								
	*	DS	S/N	%	@ 26 dB D/U	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I
Hz																									
50	M	5	39	M	8	31	M	32	M	6	31	M	32	M	22	14	M	16	M	10	M	26			
100	S	5	41	M	4	37	M	20	S	9	38	S	32	S	9	23	S	6	S	24	13	S	16		
200	S	4	43	M	4	38	M	20	S	8	39	S	32	S	8	24	S	6	S	21	14	S	16		
500	S	3	42	M	3	38	M	20	S	4	39	S	22	S	7	24	S	6	S	20	14	S	16		
1000	S	4	42	M	3	39	M	17	S	4	39	S	22	S	7	24	S	6	S	19	14	S	16		
2000	S	3	42	M	6	39	S	27	S	3	39	M	22	S	7	24	S	6	S	20	12	S	16		
5000	S	6	42	S	6	38	S	22	S	6	39	S	22	S	8	24	S	6	M	25	12	S	16		
6000	S	5	39	S	5	35	S	27	S	5	36	S	22	S	9	21	S	6	S	25	11	S	16		
7000	S	4	36	S	5	32	S	22	S	5	32	S	22	S	14	17	S	16	S	62	8	S	26		
8000	S	4	32	S	5	29	S	22	S	5	29	S	22	S	19	15	S	16	S	62	6	S	26		
9000	S	4	27	M	7	25	S	32	S	6	18	S	32	S	62	10	S	26	S	93	3	S	26		
10000	S	2																							

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE				25 Hz OFFSET				15 Hz OFFSET				-10 kHz OFFSET				+10 kHz OFFSET								
	*	DS	S/N	%	@ 26 dB D/U	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I
Hz																									
50																									
100																									
200																									
500																									
1000																									
2000																									
5000																									
6000																									
7000																									
8000																									
9000																									
10000																									

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 2 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz	%	dB		%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	
50	S	14														
100	S	11														
200	S	6														
500	S	6														
1000	S	10														
2000	S	15														
5000	S	29														
6000	S	32														
7000	S	32														
8000	S	29														
9000	S	26														
10000	S	1														

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz	%	dB		%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	
50	S	33														
100	S	27														
200	M	20														
500	M	16														
1000	S	20														
2000	S	33														
5000	S	42														
6000	M	40														
7000	S	38														
8000	S	34														
9000	S	30														
10000	S	4														

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz	%	dB		%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	
50																
100																
200																
500																
1000																
2000																
5000																
6000																
7000																
8000																
9000																
10000																

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 2 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE				25 Hz OFFSET				15 Hz OFFSET				-10 kHz OFFSET				+10 kHz OFFSET						
	* Hz	DS %	S/N dB	* dB	@ 26 dB D/U				@ 26 dB D/U				@ 0 dB D/U				@ 0 dB D/U						
					* DS	S/N %	* dB	S/I dB	* DS	S/N %	* dB	S/I dB	* DS	S/N %	* dB	S/I dB	* DS	S/N %	* dB	S/I dB			
50	S	12	22	S	7	19	M	16	S	22	19	S	32	S	5	S	26	S	97	1	S	31	
100	S	7	32	M	3	34	M	13	S	11	29	S	32	S	21	14	S	16	S	92	5	S	21
200	S	6	30	M	3	33	M	14	S	9	28	S	32	S	24	13	S	16	S	94	5	S	26
500	S	4	30	S	6	27	M	17	S	5	27	S	32	S	26	12	S	26	S	74	4	S	36
1000	S	3	31	S	5	28	S	27	S	4	28	S	32	S	23	13	S	16	S	61	5	S	26
2000	S	3	32	M	2	35	M	17	S	3	30	S	32	S	19	14	S	16	S	54	6	S	36
5000	S	2	37	S	2	34	S	22	S	2	34	S	22	S	10	19	S	16	S	34	9	S	26
6000	S	2	36	M	3	33	S	27	S	3	33	S	32	S	13	18	S	16	S	38	8	S	26
7000	S	2	34	S	3	30	S	27	S	5	31	S	32	S	16	16	S	16	S	84	7	S	26
8000	S	3	31	S	4	28	S	27	S	4	28	S	32	S	23	13	S	26	S	5	S	36	
9000	S	6	26	S	7	23	S	27	S	7	15	S	27	S	82	8	S	16	S	93	2	S	26
10000	S		1																				

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE				25 Hz OFFSET				15 Hz OFFSET				-10 kHz OFFSET				+10 kHz OFFSET						
	* Hz	DS %	S/N dB	* dB	@ 26 dB D/U				@ 26 dB D/U				@ 0 dB D/U				@ 0 dB D/U						
					* DS	S/N %	* dB	S/I dB	* DS	S/N %	* dB	S/I dB	* DS	S/N %	* dB	S/I dB	* DS	S/N %	* dB	S/I dB			
50	M	32	40																				
100	M	11	40	M	12	42	M	22	M	12	42	M	22	M	12	22	M	-4	S	29	12	M	6
200	S	6	43	M	7	43	M	22	M	7	44	M	22	S	9	24	S	6	S	22	13	S	16
500	S	5	42	M	5	44	M	20	S	5	43	S	22	S	8	23	S	6	S	22	13	S	16
1000	S	4	42	M	7	44	S		S	9	39	M	32	S	7	23	S	6	S	21	13	S	16
2000	S	9	51	M	13	44	S		S	15	44	M		S	11	26	S	-4	S	20	14	M	6
5000	S	6	44	S	6	40	S	22	S	9	41	S	32	S	7	24	S	6	M	15	13	S	16
6000	S	4	45	M	9	38	S	32	S	7	38	S	32	S	7	22	S	6	S	19	13	S	16
7000	S	3	38	S	3	35	S	22	S	3	34	S	22	S	11	19	S	16	S	28	10	S	26
8000	S	3	35	S	3	31	S	22	S	3	31	S	22	S	16	16	S	16	S	7	S	26	
9000	S	4	29	S	5	26	S	27	S	5	26	S	32	S	28	11	S	16	S	92	3	S	26
10000	S		2																				

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE				25 Hz OFFSET				15 Hz OFFSET				-10 kHz OFFSET				+10 kHz OFFSET					
	* Hz	DS %	S/N dB	* dB	@ 26 dB D/U				@ 26 dB D/U				@ 0 dB D/U				@ 0 dB D/U					
					* DS	S/N %	* dB	S/I dB	* DS	S/N %	* dB	S/I dB	* DS	S/N %	* dB	S/I dB	* DS	S/N %	* dB	S/I dB		
50																						
100																						
200																						
500																						
1000																						
2000																						
5000																						
6000																						
7000																						
8000																						
9000																						
10000																						

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 2 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB		
50	M	35								S	29	S	32	S	21	14	S	16	S	92	6	S	26
100	S	4	32	S	6	29	S	27	S	29	S	32	S	25	13	S	26	S	97	5	S	36	
200	S	3	30	M	13	S	32	S	28	S	32	S	27	12	S	26	S	81	4	S	36		
500	S	3	30	M	12	S	32	S	27	S	32	S	25	12	S	26	S	61	5	S	26		
1000	S	3	30	S	4	27	S	32	S	27	S	32	S	21	13	S	16	S	57	5	S	26	
2000	S	3	32	M	17	S	32	S	29	S	32	S	27	12	S	10	M	63	5	S	16		
5000	S	14	30	S	22	27	S	S	14	27	S	17	S	93	5	S	11	S	90	2	S	21	
6000	S	25	22	M	11	31	M	S	8	30	M	S	93	3	S	21	S	84	1	S	28		
7000	S	22	17	S	25	15	M	S	7	15	M	S	86	9	S	26	S	3	S	26			
8000	S	6	26	S	8	24	S	27	M	7	24	S	22	S	94	5	S	18	S	88	2	S	23
9000	S	9	22	S	13	19	S	27	S	13	6	S	29										
10000	S		2																				

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB		
50	M	58	38							S	24	38	M	S	31	22	S	1	S	26	13	S	11
100	S	11	41	M	29	41	M	S	20	S	10	36	S	12	21	S	1	S	25	11	S	11	
200	S	9	40	S	9	36	S	20	S	63	27	S	12	20	S	6	S	27	11	S	16		
500	S	9	39	S	9	35	S	21	S	21	38	S	13	20	S	6	S	27	11	S	16		
1000	S	9	39	S	9	36	S	21	S	85	31	S	17	22	S	-4	S	26	13	S	6		
2000	S	15	40	M	85	31	S	S	17	S	8	41	S	9	23	S	6	S	18	14	S	11	
5000	S	7	42	S	7	39	S	17	S	8	35	S	11	21	S	6	S	26	11	S	16		
6000	S	6	39	S	7	36	S	17	S	6	32	S	17	16	S	16	S	81	7	S	26		
7000	S	6	35	S	6	31	S	22	S	13	28	S	25	13	S	16	S	5	S	26			
8000	S	5	31	M	13	26	S	27	S	9	23	S	90	8	S	26	S	94	3	S	26		
9000	S	5	25	M	9	23	S	32	S	9	23	S											
10000	S		2																				

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50																					
100																					
200																					
500																					
1000																					
2000																					
5000																					
6000																					
7000																					
8000																					
9000																					
10000																					

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 2 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB			
50	M	7	25	M	10	21	M	27	M	10	21	M	27	M	9	M	21	M	3	M	31		
100	S	3	33	M	5	30	S	27	M	3	32	S	20	S	13	18	S	16	S	37	S	26	
200	S	3	32	S	5	30	S	27	S	4	30	S	22	S	17	16	S	16	S	43	S	26	
500	S	3	31	S	4	29	S	22	S	6	25	S	32	S	18	15	S	16	S	47	S	26	
1000	S	3	31	S	4	30	S	22	S	5	27	S	32	S	16	16	S	16	S	43	S	26	
2000	S	3	33	S	3	31	S	27	S	3	32	S	22	S	14	17	S	16	S	38	S	26	
5000	S	5	35	M	14	30	S	25	S	6	33	S	22	S	10	19	S	6	S	32	S	16	
6000	S	6	33	S	6	31	S	23	S	6	31	S	22	S	15	17	S	16	S	41	S	21	
7000	S	5	30	S	6	28	S	22	S	22	28	S	27	S	20	14	S	16	S	90	S	26	
8000	S	5	28	M	10	25	S	28	S	10	26	S	27	S	26	12	S	16	S	5	S	26	
9000	S	8	22	S	10	21	S	27	M	13	19	S	27	S	94	7	S	16	S	93	2	S	26
10000	S		1																				

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB			
50	M	7	36	M	10	30	M	27	M	9	30	M	27	M	19	15	M	11	M	94	S	21	
100	M	1	42	M	5	39	M	32	M	4	39	M	32	M	7	24	M	16	M	18	S	26	
200	S	7	41	M	4	38	M	16	S	2	38	M	11	S	9	25	S	1	S	17	S	11	
500	S	5	41	M	3	37	M	15	S	9	37	S	32	S	8	24	S	6	S	17	S	16	
1000	S	6	41	M	3	38	M	12	M	3	38	M	12	S	8	25	S	6	S	17	S	16	
2000	S	8	41	S	8	39	S	22	S	6	39	M	15	S	9	24	S	1	S	18	S	11	
5000	S	8	39	S	8	38	S	18	S	10	41	S		S	10	24	S	1	M	31	S	16	
6000	S	6	38	M	15	34	S		S	10	33	S		S	10	22	S	6	S	23	S	16	
7000	S	4	35	S	5	33	S	22	M	12	34	S	32	S	13	19	S	16	S	32	S	26	
8000	S	4	32	M	8	30	S	37	M	8	31	S	32	S	18	17	S	16	S	8	S	26	
9000	S	4	26	M	7	24	M	27	M	6	25	S	32	S	81	10	S	26	S	93	4	S	26
10000	S		3																				

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50																				
100																				
200																				
500																				
1000																				
2000																				
5000																				
6000																				
7000																				
8000																				
9000																				
10000																				

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 2 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I
	Hz	%	dB	%	dB	%	dB	dB	%	dB	%	dB	dB	%	dB	%	dB	
50	S		11															
100	S		8															
200	S		4															
500	S		4															
1000	S		7															
2000	S		13															
5000	S		27															
6000	S		30															
7000	S		30															
8000	S		28															
9000	S		24															
10000	S		1															

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I
	Hz	%	dB	%	dB	%	dB	dB	%	dB	%	dB	dB	%	dB	%	dB	
50	S		27															
100	M		41															
200	M		30															
500	S		21															
1000	S		23															
2000	S		31															
5000	M		40															
6000	S		39															
7000	M		37															
8000	S		34															
9000	S		28															
10000	S		4															

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I
	Hz	%	dB	%	dB	%	dB	dB	%	dB	%	dB	dB	%	dB	%	dB	
50																		
100																		
200																		
500																		
1000																		
2000																		
5000																		
6000																		
7000																		
8000																		
9000																		
10000																		

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 2 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB	%	dB			%	dB	%	dB			%	dB	%	dB		
50	S	12	20	S	17	18	S	33		S	19	18	S	32		S	5	S	16	S	
100	S	6	29	S	12	27	S	30		S	5	28	S	30		S	22	13	S	11	S
200	S	6	28	S	9	26	M	15		S	4	26	M	16		S	26	12	S	16	S
500	S	5	27	M	3	29	M	15		M	4	29	M	17		S	28	11	S	16	S
1000	S	4	28	S	3	26	M	17		S	5	26	S	32		S	26	12	S	26	S
2000	S	3	30	S	4	28	M	17		S	4	28	S	22		S	21	14	S	16	S
5000	S	2	34	S	3	32	S	22		S	3	33	S	22		S	12	18	S	16	S
6000	S	2	34	S	3	31	S	22		S	3	31	S	22		S	13	17	S	16	S
7000	S	3	32	S	4	30	S	22		S	5	26	S	32		S	18	15	S	16	S
8000	S	4	28	M	6	26	S	27		S	6	26	S	32		S	26	12	S	16	S
9000	S	8	22	M	9	21	S	27		S	10	21	S	32		S	94	7	S	26	S
10000	S		1																		

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB	%	dB			%	dB	%	dB			%	dB	%	dB		
50	S	21	29	M	11	27	M			M	11	30	M			M	32	12	M	-8	S
100	M	11	41	M	13	39	M	25		M	12	39	M	24		M	12	25	M	-4	S
200	S	8	37	M	4	40	M	14		M	4	40	M	14		S	12	21	S	6	S
500	S	4	37	S	9	35	M	13		M	3	39	M	14		S	11	20	S	16	S
1000	S	4	37	M	3	40	M	17		M	3	40	M	17		S	11	21	S	16	S
2000	S	7	39	M	8	40	M	27		M	8	40	M	27		S	11	22	S	6	S
5000	S	6	40	M	11	38	S			M	11	38	S	27		S	8	24	S	6	M
6000	S	4	39	M	9	35	S	32		M	9	37	S	32		S	9	22	S	6	S
7000	S	3	36	M	7	32	S	32		S	6	30	S	42		S	12	19	S	16	S
8000	S	3	32	M	6	30	S	32		M	6	31	S	32		S	18	16	S	16	S
9000	S	4	27	M	5	25	M	27		M	5	25	S	32		S	72	10	S	26	S
10000	S		2																		

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB	%	dB			%	dB	%	dB			%	dB	%	dB	
50																				
100																				
200																				
500																				
1000																				
2000																				
5000																				
6000																				
7000																				
8000																				
9000																				
10000																				

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10 over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 2 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

90% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE				25 Hz OFFSET				15 Hz OFFSET				-10 kHz OFFSET				+10 kHz OFFSET			
	@ 26 dB D/U		@ 26 dB D/U		@ 26 dB D/U		@ 0 dB D/U		@ 0 dB D/U		@ 0 dB D/U		@ 0 dB D/U		@ 0 dB D/U		@ 0 dB D/U			
	*	DS %	S/N dB	*	DS %	S/N dB	*	DS %	S/N dB	*	DS %	S/N dB	*	DS %	S/N dB	*	DS %	S/N dB		
50	M		31																	
100	M		38																	
200	S	9	37	S	9	34	S	22	M	89	35	M		S	14	19	S	6		
500	S	7	36	M	91	20	S		S	34	S	22		S	14	19	S	6		
1000	S	8	37	S	8	34	S	25	M	88	20	M		S	14	19	S	6		
2000	S	6	37	S	6	35	S	22	M	37	24	S	32	S	12	20	S	6		
5000	S	25	36	M	50	32	S		M	49	32	M		M	52	18	S	-4		
6000	S	52	28											M	56	6	S			
7000	S	64	32																	
8000	S	9	31	S	10	29	S	23	S	14	29	S		S	31	14	S	16		
9000	S	9	23	M	9	27	M	19	S	9	22	S	32	S	95	8	S	21		
10000	S		3											S	94	5	S	26		

125% MODULATION

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 2 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I
Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	
50	M	3	33	M	11	25	M	37	M	10	25	M	42	M	8	M	26	
100	S	4	38	M	5	35	S	32	M	5	35	S	32	S	16	16	S	16
200	S	3	36	S	7	31	S	42	M	4	33	S	32	S	17	15	S	16
500	S	3	36	S	5	30	S	42	M	3	32	M	22	M	20	14	S	16
1000	S	4	37	S	2	34	M	17	M	4	34	S	22	S	17	16	S	16
2000	S	5	39	S	3	34	S	15	M	4	35	M	15	M	14	18	S	16
5000	S	6	41	S	6	41	S	23	M	16	37	S	22	S	10	20	S	6
6000	S	7	44	S	8	36	S	22	S	7	36	S	17	S	13	19	S	6
7000	S	3	36	M	14	33	S	37	M	6	33	S	62	S	25	15	S	16
8000	S	6	26	S	98	22	S	40	M	71	18	S	94	S	94	3	S	56
9000	S	16	28	M	21	M	M	69	20	M	30	M	94	M	94	4	M	12
10000	M	0												M	89	2	M	

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I
Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	
50	M	96	48	M	14	42	M	22	M	14	42	M	22	M	14	23	M	-2
100	M	12	52	M	12	41	S		M	5	43	M	14	S	10	24	M	1
200	M	10	54	M	5	41	M		M	5	43	M		M	10	24	M	1
500	M	2	53	M	5	41	M		M	8	42	M	6	M	8	24	M	-7
1000	S	10	53	M	5	42	M	8	M	4	42	M	6	M	8	24	M	-7
2000	S	7	54	S	11	43	S		M	6	43	S		S	16	24	M	6
5000	M	20	46	M	21	35	M	20	M	21	35	M	20	M	27	16	M	3
6000	M	5	49	M	10	38	M	32	M	10	38	M	32	M	19	19	M	16
7000	S	4	49	S	5	38	S	27	S	5	39	S	42	S	24	19	S	16
8000	S	4	42	S	8	32	S	32	M	32	M	42	M	80	14	M	15	
9000	S	10	36	M	28	S	37	M	28	M	41	M	96	M	96	10	M	13
10000	S	-1												S	90	6	M	19

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET				
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*
Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB
50																	
100																	
200																	
500																	
1000																	
2000																	
5000																	
6000																	
7000																	
8000																	
9000																	
10000																	

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 2 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	*	%	dB	*	%	dB	dB		*	%	dB	dB		dB	*	%	dB	dB	*	%	dB	dB	*	%	dB	dB
50	S	33																								
100	M	24																								
200	S	14																								
500	S	13																								
1000	S	12																								
2000	S	17																								
5000	S	22																								
6000	S	23																								
7000	M	45																								
8000	M	45																								
9000	M	43																								
10000	M	9																								

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	*	%	dB	*	%	dB	dB		*	%	dB	dB		dB	*	%	dB	dB	*	%	dB	dB	*	%	dB	dB
50	M	37																								
100	M	27																								
200	S	19																								
500	S	17																								
1000	S	17																								
2000	S	22																								
5000	M	46																								
6000	M	42																								
7000	M	40																								
8000	M	43																								
9000	M	44																								
10000	M	6																								

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	*	%	dB	*	%	dB	dB		*	%	dB	dB		dB	*	%	dB	dB	*	%	dB	dB	*	%	dB	dB
50																										
100																										
200																										
500																										
1000																										
2000																										
5000																										
6000																										
7000																										
8000																										
9000																										
10000																										

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 2 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	
50	S	9	22	S	16	20	S	32	M	8	20	S	S	3	S	31	S	6	S	21	
100	S	4	32	S	9	30	M	15	S	8	29	S	S	30	11	S	26	S	18	S	16
200	S	4	30	M	3	34	M	16	M	3	34	M	M	17	16	S	26	S	22	S	16
500	S	4	30	S	2	26	M	17	M	2	33	M	M	19	15	M	11	M	46	S	16
1000	S	3	30	S	4	29	S	27	S	4	28	S	S	32	10	S	26	S	21	S	16
2000	S	3	33	S	3	31	S	22	S	3	30	S	S	25	12	S	26	S	17	S	16
5000	S	3	36	S	2	35	S	17	S	3	37	S	S	16	15	S	16	S	12	S	16
6000	S	4	34	S	5	31	S	27	M	5	34	S	S	20	13	S	16	S	16	S	16
7000	S	6	30	M	5	27	M	17	S	5	27	S	S	36	10	S	16	S	23	S	16
8000	S	8	25	S	4	29	S	14	M	5	30	M	M	28	5	S	26	S	91	S	16
9000	S	13	18	S	18	22	M	12	M	6	21	S	M	85	8	M		S	94	S	15
10000	S	-1																			

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	
50	M	34	44	S	25	42	S	30	S	14	42	S	S	13	23	S	1	S	14	S	1
100	M	8	51	S	4	44	M	14	M	4	44	M	M	8	20	M	1	S	15	S	8
200	S	5	42	M	4	44	M	12	M	4	44	M	M	8	25	M	6	M	16	S	6
500	S	4	42	M	4	44	M	15	M	4	44	M	M	8	25	M	16	M	15	S	6
1000	S	4	41	M	4	44	M	15	M	4	44	M	M	8	25	M	16	M	15	S	6
2000	S	7	42	S	8	43	S	31	M	8	44	M	M	10	20	S	6	S	13	S	6
5000	S	8	52	S	8	41	S	20	S	10	41	S	S	12	22	S	6	S	10	S	6
6000	S	6	49	S	6	35	S	25	S	5	33	S	S	13	19	S	16	S	13	S	6
7000	S	5	34	S	3	28	S	13	M	7	31	S	S	24	13	S	16	S	18	S	16
8000	S	6	28	S	3	31	S	14	M	5	32	M	M	22	14	S	26	S	74	S	16
9000	S	10	21	S	5	26	M	14	M	5	28	M	M	51	10	S	21	S	98	S	16
10000	S	1																			

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	
50																					
100																					
200																					
500																					
1000																					
2000																					
5000																					
6000																					
7000																					
8000																					
9000																					
10000																					

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 2 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET									
	*	DS	S/N	a 26 dB D/U	*	DS	S/N	*	S/I	a 26 dB D/U	*	DS	S/N	*	S/I	a 0 dB D/U	*	DS	S/N	*	S/I	
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	
50	M		19														S	22	15	S	16	
100	S		34														S	23	14	S	16	
200	S	3	31	S	28	S	47	M		11	S	32	S	35	S	21	15	S	16			
500	S	4	30	S	5	28	S	22	M	27	S	32	S	31	10	S	26	S	18	17	S	16
1000	S	3	32	S	29	S	22	M		10	S	92	S	24	12	S	26	S	70	5	S	1
2000	S	3	34	S	31	S	22	S		31	S	32	S	20	16	S	6	M	28	7	S	8
5000	S	12	37	S	39	28	S		S	39	34	M	S	25	14	S	6	S	9	S	16	
6000	S	14	40	S	14	32	S		S	22	31	S	30	S	84	10	S	13				
7000	S	13	31	S	12	28	M	15	M	12	34	M	11	S								
8000	S	34	41																			
9000	S		13																			
10000	S		1																			

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET									
	*	DS	S/N	a 26 dB D/U	*	DS	S/N	*	S/I	a 26 dB D/U	*	DS	S/N	*	S/I	a 0 dB D/U	*	DS	S/N	*	S/I	
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	
50	M	80	49														M	68	8	M		
100	M	65	49														M	88	9	S		
200	M		51														M	8	10	M		
500	M	67	52																			
1000	M	65	51																			
2000	M	52	51																			
5000	S	18	44	M	43	35	M		M	46	35	M		M	55	16	M					
6000	M	47	44						M	26	33	M	37	M	86	16	M	16				
7000	M	29	43	S	15	33	M	30	M	33	28	S	22	S	95	13	S	16				
8000	S	14	38	M	85	28	S	27	M					S								
9000	M	49	31																			
10000	M		0																			

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	a 26 dB D/U	*	DS	S/N	*	S/I	a 26 dB D/U	*	DS	S/N	*	S/I	a 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50																					
100																					
200																					
500																					
1000																					
2000																					
5000																					
6000																					
7000																					
8000																					
9000																					
10000																					

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 2 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	
Hz		%	dB		%	dB		%	dB		%	dB		%	dB	
50	M	16	17	S	18	16	S	17	M	22	16	M	32	13	M	
100	S	6	25	S	7	25	S	22	S	7	25	S	9	22	S	
200	S	7	24	S	8	24	S	22	S	7	24	S	10	21	S	
500	S	8	23	S	8	23	S	12	S	8	23	S	11	20	S	
1000	S	7	24	S	7	23	S	12	S	7	23	S	10	20	S	
2000	S	6	25	S	6	25	S	12	S	6	25	S	8	22	S	
5000	S	7	27	S	7	27	S	12	S	7	27	S	8	24	S	
6000	S	8	25	S	8	25	S	13	S	8	25	S	10	22	S	
7000	S	9	22	S	9	22	S	12	S	27	22	S	12	20	S	
8000	S	11	20	M	16	20	S		S	11	20	S	14	17	S	
9000	S	22	14	M		14	M	24	S	14	S	13	S	30	11	S
10000	S		0						S	14	S	-2	S	93	3	S

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	
Hz		%	dB		%	dB		%	dB		%	dB		%	dB	
50	M	9	25	M	11	24	M	27	M	10	22	M	12	22	M	
100	S	6	30	S	7	30	S	17	S	6	30	S	7	27	S	
200	S	5	32	S	5	31	S	22	S	5	32	S	6	28	S	
500	S	5	31	S	5	31	M	17	S	5	31	S	5	28	S	
1000	S	5	32	S	4	32	M	12	S	5	32	S	5	29	S	
2000	S	4	32	S	4	32	S	17	S	4	32	S	5	29	S	
5000	S	7	31	S	7	32	S	12	S	8	31	S	7	29	S	
6000	S	6	30	S	6	29	S	12	S	6	29	S	7	26	S	
7000	S	7	26	S	7	26	S	12	S	7	26	S	8	23	S	
8000	S	8	22	S	8	22	S	12	S	13	22	S	10	20	S	
9000	S	16	16	S	16	16	S	12	S	16	16	S	18	13	S	
10000	S		0						S	16	S	-2	S	92	4	S

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz		%	dB		%	dB		%	dB		%	dB		%	dB
50															
100															
200															
500															
1000															
2000															
5000															
6000															
7000															
8000															
9000															
10000															

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 2 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*		
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	S	5																
100	S	3																
200	S	1																
500	S	1																
1000	S	1																
2000	S	5																
5000	S	18																
6000	S	21																
7000	S	21																
8000	S	19																
9000	S	14																
10000	S	0																

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*		
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	S	21																
100	M	30																
200	S	9																
500	S	7																
1000	S	9																
2000	S	15																
5000	S	31																
6000	S	30																
7000	S	27																
8000	S	24																
9000	S	19																
10000	S	0																

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*		
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50																		
100																		
200																		
500																		
1000																		
2000																		
5000																		
6000																		
7000																		
8000																		
9000																		
10000																		

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 2 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET															
	*	DS	S/N	a	26 dB D/U	*	DS	S/N	*	S/I	a	0 dB D/U	*	DS	S/N	*	S/I	a	0 dB D/U	*	DS	S/N	*	S/I				
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB					
50	S	27	12	S	30	12	M	S	29	12	S	19	S	72	9	S	6	S	2	S	18	S	43	8	S	16		
100	S	10	22	S	12	22	S	30	11	22	S	22	S	13	19	S	1	S	49	7	S	16	S	51	6	S	21	
200	S	11	21	S	12	21	M	S	11	21	S	17	S	14	18	S	1	S	48	7	S	16	S	42	8	S	16	
500	S	10	20	S	10	20	M	S	10	20	M	1	S	14	17	S	1	S	26	12	S	16	S	27	11	S	16	
1000	S	9	21	S	9	21	S	12	S	9	21	M	S	14	18	S	1	S	31	10	S	16	S	7	S	16		
2000	S	8	22	S	8	22	M	S	7	22	M	1	S	11	19	S	6	S	42	8	S	16	S	26	12	S	16	
5000	S	5	26	S	5	26	M	7	S	5	26	S	22	S	7	24	S	6	S	27	11	S	16	S	31	10	S	16
6000	S	5	26	S	5	26	M	12	S	5	26	S	22	S	7	23	S	6	S	31	10	S	16	S	7	S	16	
7000	S	6	25	S	6	24	S	12	S	6	24	S	12	S	8	21	S	6	S	3	S	13	S	13	S	13		
8000	S	9	21	S	9	21	S	12	S	9	21	M	7	S	12	18	S	1	S	24	15	S	16	S	43	8	S	16
9000	S	18	15	S	16	15	M	4	S	18	15	M	1	S	21	12	S	-2	S	24	15	S	16	S	49	7	S	16
10000	S	0																										

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET												
	*	DS	S/N	a	26 dB D/U	*	DS	S/N	*	S/I	a	0 dB D/U	*	DS	S/N	*	S/I	a	0 dB D/U	*	DS	S/N	*	S/I	
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		
50	M	31	28	M	12	31	M	22	M	12	33	M	22	M	12	27	M	-9	S	24	15	M	3		
100	M	12	30	M	12	31	M	22	S	7	35	S	22	S	7	28	S	-4	S	17	16	S	11		
200	S	6	31	M	7	35	M	22	M	5	35	M	22	S	5	28	S	-4	S	16	16	S	16		
500	S	4	31	M	5	35	M	22	M	6	35	S	32	S	5	28	S	-4	S	15	16	S	16		
1000	S	4	32	M	6	35	S	32	M	13	35	M	32	S	10	30	S	-9	S	17	17	S	6		
2000	S	10	33	M	13	35	S	32	S	9	32	M	22	S	6	29	S	-9	S	13	17	S	16		
5000	S	6	32	S	6	32	S	12	S	5	30	S	22	S	6	28	S	-4	S	14	16	S	16		
6000	S	5	31	M	9	30	S	27	S	5	30	S	22	S	6	28	S	-4	S	20	13	S	16		
7000	S	5	28	M	8	28	S	27	S	5	28	S	22	S	6	25	S	6	S	37	9	S	16		
8000	S	6	24	S	7	24	S	12	S	8	24	S	27	S	8	21	S	6	S	91	5	S	16		
9000	S	12	18	M	11	19	M	4	S	11	18	M	0	S	14	15	S	-2	S	24	15	S	16		
10000	S	1																							

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET												
	*	DS	S/N	a	26 dB D/U	*	DS	S/N	*	S/I	a	0 dB D/U	*	DS	S/N	*	S/I	a	0 dB D/U	*	DS	S/N	*	S/I	
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		
50																									
100																									
200																									
500																									
1000																									
2000																									
5000																									
6000																									
7000																									
8000																									
9000																									
10000																									

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 2 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%
50	M		1												
100	S		22												
200	S	10	20	S		20	S	20	S	10	20	S	17	S	49
500	S	11	19	S		19	S	17	S		19	M		S	54
1000	S	10	20	S		20	M	21	S		20	S	10	S	50
2000	S	8	21	S		21	S	12	S		21	M	7	S	45
5000	S	15	21	S	15	21	S		S	16	21	S	12	S	49
6000	S	28	14	S	28	14	S		S	27	14	M		S	93
7000	S		7											S	3
8000	S	21	15	S	21	15	S	12	S	14	15	M		S	16
9000	S	77	10												
10000	S		0												

90% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%
50	M	59	22												
100	S	11	30	S	12	30	S	22	S	12	29	S	22	S	21
200	S	9	28	M	52	28	S	19	S	10	28	S	20	S	20
500	S	9	28	M	60	18	S		M	60	28	S	20	S	21
1000	S	10	28	M	87	20	S		S		29	S	22	S	21
2000	S	16	30	M	84	22	S		S	84	30	M		S	23
5000	S	7	31	S	8	31	S	15	S	8	31	M	15	M	16
6000	S	8	29	M	18	29	S		S	18	29	S	17	S	20
7000	S	9	25	M	26	25	S		S	9	25	S		S	30
8000	S	11	21	M	21	21	S		S	11	21	S		S	7
9000	S	19	15	S	20	15	S	12	S	26	15	S	23	S	93
10000	S		0												

125% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%
50															
100															
200															
500															
1000															
2000															
5000															
6000															
7000															
8000															
9000															
10000															

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 2 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	@	26	dB D/U	*	DS	S/N	*	S/I	@	0	dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB		%	dB		dB		%	dB		%	dB		dB
50	M	21	14	M	22	14	M	15	M	21	14	M	15	M	29	13	M	3
100	S	6	25	M	8	25	S	23	S	6	25	S	22	S	8	22	S	6
200	S	7	24	S	7	24	S	25	S	7	24	S	12	S	10	21	S	6
500	S	7	23	S	8	23	S	12	S	12	19	S	25	S	10	20	S	6
1000	S	7	24	S	7	23	S	12	S	7	24	S	14	S	9	21	S	6
2000	S	6	25	M	7	23	S	25	S	8	21	S	27	S	8	22	S	6
5000	S	7	27	M	14	23	M	19	S	7	27	S	22	S	8	24	S	1
6000	S	8	25	M	24	18	S		S	8	25	S		S	10	22	S	1
7000	S	9	23	M	26	15	S		S	11	23	S	23	S	11	20	S	1
8000	S	11	20	M	17	17	S		S	11	14	S	26	S	14	17	S	1
9000	S	22	14	M		11	S		S	14	S	14		S	32	11	S	0
10000	S		0						S					S				3

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	@	26	dB D/U	*	DS	S/N	*	S/I	@	0	dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB		%	dB		dB		%	dB		%	dB		dB
50	M	8	23	M	10	23	M	27	M	9	23	M	22	M	11	20	M	1
100	M	3	32	M	5	32	M	27	M	4	32	M	32	M	4	29	M	6
200	S	8	32	S	8	32	S	17	S	13	31	S	17	S	8	29	M	-4
500	S	6	32	S	6	32	S	17	S	6	32	S	22	S	7	29	S	-4
1000	S	7	32	M	3	31	M	9	S	7	29	S	22	S	7	29	S	-4
2000	S	9	32	M	6	32	M	10	S	9	32	S	17	S	9	30	S	-9
5000	S	9	31	M	16	31	S		S	10	29	S	22	S	11	28	S	-9
6000	S	7	30	S	7	30	S	12	S	7	27	S		S	8	27	S	-4
7000	S	7	27	S	7	27	S	12	S	9	24	S	17	S	8	24	S	1
8000	S	8	24	S	8	24	S	12	M	10	24	S	17	S	10	21	S	1
9000	S	17	17	M	17	17	M	7	M	17	17	M	4	S	20	14	S	-2
10000	S		1						S					S				5

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	@	26	dB D/U	*	DS	S/N	*	S/I	@	0	dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB		%	dB		dB		%	dB		%	dB		dB
50																		
100																		
200																		
500																		
1000																		
2000																		
5000																		
6000																		
7000																		
8000																		
9000																		
10000																		

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 2 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	
50	S	12														
100	S	2														
200	S	1														
500	S	1														
1000	S	1														
2000	S	5														
5000	S	18														
6000	S	21														
7000	S	21														
8000	S	18														
9000	S	13														
10000	S	0														

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	
50	S	22														
100	M	31														
200	S	18														
500	S	12														
1000	S	13														
2000	S	18														
5000	S	30														
6000	S	30														
7000	S	27														
8000	S	24														
9000	S	18														
10000	S	1														

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	
50																
100																
200																
500																
1000																
2000																
5000																
6000																
7000																
8000																
9000																
10000																

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 2 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																			
	*	DS	S/N	@ 26 dB	D/U	*	DS	S/N	*	S/I	@ 26 dB	D/U	*	DS	S/N	*	S/I	@ 0 dB	D/U	*	DS	S/N	*	S/I	@ 0 dB	D/U	*	DS	S/N	*	S/I	
Hz	%	dB		%	dB		%	dB		dB	%	dB		%	dB		dB	%	dB		%	dB		dB	%	dB		%	dB		dB	
50	S	29	11	S	16	11	S	19		S	17	12	M	2	S	56	9	S		S	43	8	S	17		S	2	S	17			
100	S	10	21	S	12	21	S	27		S	11	21	S	22	S	14	18	S	1	S	47	7	S	16		S	50	6	S	16		
200	S	11	20	S	13	20	M	3		S	11	20	S	22	S	15	17	S	6	S	48	7	S	16		S	41	8	S	16		
500	S	11	19	S	7	19	M	2		S	11	19	M		S	16	16	S	1	S	26	12	S	16		S	27	11	S	16		
1000	S	10	20	M	6	20	M			S	10	20	S	3	S	15	17	S	6	S	31	10	S	16		S	7	S	16			
2000	S	8	22	S	5	22	M			S	8	22	S	8	S	12	18	S	6	S	22	15	M	6		S	26	12	S	16		
5000	S	5	26	S	5	26	M	5		S	5	25	S	22	S	7	23	S	6	S	19	15	S	6		S	19	15	S	16		
6000	S	6	25	S	6	25	M	12		S	6	25	S	12	S	8	22	S	6	S	20	16	S	11		S	21	14	S	16		
7000	S	7	24	S	7	24	S	12		S	7	24	M	12	S	10	21	S	6	S	33	11	S	16		S	31	10	S	16		
8000	S	11	20	S	11	20	S	12		S	11	20	M	7	S	14	17	S	1	S	93	3	S	11		S	7	S	16			
9000	S	22	13	S	22	14	M	5		S	22	14	S		S	36	11	S	-2	S												
10000	S	0																														

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																		
	*	DS	S/N	@ 26 dB	D/U	*	DS	S/N	*	S/I	@ 26 dB	D/U	*	DS	S/N	*	S/I	@ 0 dB	D/U	*	DS	S/N	*	S/I							
Hz	%	dB		%	dB		%	dB		dB	%	dB		%	dB		dB	%	dB		%	dB		dB	%	dB		%	dB		
50	S	19	19	M	9	25	M	12		S	9	21	M	12	S	10	16	S	1	S	54	8	S		S	22	15	M	6		
100	M	11	33	M	12	30	M	27		M	12	31	M	22	M	11	27	M	-9	S	19	15	S	6		S	19	15	S	6	
200	S	9	28	M	3	33	M			M	3	29	M		S	9	25	S	-4	S	19	15	S	6		S	19	15	S	16	
500	S	5	28	M	3	33	M	10		S	6	28	S	22	S	7	25	S	6	S	19	15	S	16		S	19	15	S	16	
1000	S	5	28	S	5	28	M	13		M	3	28	M	13	S	6	25	S	6	S	19	15	S	16		S	19	15	S	16	
2000	S	8	29	M	8	29	M	20		M	8	34	M	20	S	9	26	S	-4	S	20	16	S	11		S	20	16	S	11	
5000	S	7	31	M	11	32	S			M	11	31	S	21	S	7	28	M	-4	S	14	17	S	16		S	16	16	S	16	
6000	S	5	30	S	5	30	S	17		S	9	30	S	22	S	6	27	S	-4	S	16	16	S	16		S	21	14	S	16	
7000	S	5	28	S	5	28	S	12		S	8	28	S	27	S	7	25	S	6	S	21	14	S	16		S	33	11	S	16	
8000	S	7	24	S	7	24	S	12		S	15	24	S	17	S	10	21	S	6	S	92	5	S	13		S	33	11	S	16	
9000	S	15	18	S	15	18	M	6		S	13	18	S		S	17	15	S	-2	S											
10000	S	1																													

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																	
	*	DS	S/N	@ 26 dB	D/U	*	DS	S/N	*	S/I	@ 26 dB	D/U	*	DS	S/N	*	S/I	@ 0 dB	D/U	*	DS	S/N	*	S/I						
Hz	%	dB		%	dB		%	dB		dB	%	dB		%	dB		dB	%	dB		%	dB		dB	%	dB		%	dB	
50																														
100																														
200																														
500																														
1000																														
2000																														
5000																														
6000																														
7000																														
8000																														
9000																														
10000																														

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 2 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB
50	M		0												
100	S		21												
200	S	11	20	M		4	S	21	S	20	S	12	S	16	16
500	S	12	19	S		19	S	24	S	19	S	16	S	17	16
1000	S	10	20	M		20	S	24	S	20	S	13	S	16	16
2000	S	9	21	M		7	M	18	S	21	S	7	S	14	17
5000	S	15	20	S	15	20	S	10	S	15	20	S	S	19	17
6000	S	25	15	M	17	15	M		S	25	15	M	S	82	7
7000	S		7										S	87	4
8000	S	24	13	M	16	17	M		S	16	13	M	S	93	6
9000	S	94	8										S	95	3
10000	S		0												

90% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB
50	M		4												
100	M		28												
200	S	9	27	S	10	27	S	22	S	10	27	S	22	S	14
500	S	8	27	S	8	26	S	17	S	9	26	S	22	S	14
1000	S	8	27	M		11	M	25	S	9	27	S	17	S	13
2000	S	7	28	S	7	27	S	22	S	19	27	S	22	S	11
5000	S	25	27	M	53	30	S		S	16	29	S		S	18
6000	S	43	20											S	34
7000	S	50	14											S	9
8000	S	17	20	M	14	24	M	8	S	62	13	S	25	S	59
9000	S	92	11											S	7
10000	S		1												

125% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB
50															
100															
200															
500															
1000															
2000															
5000															
6000															
7000															
8000															
9000															
10000															

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 2 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET				15 Hz OFFSET				-10 kHz OFFSET				+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I	
Hz	%	dB		%	dB	%	dB		%	dB	%	dB	%	dB	%	dB		%	dB	%	dB	%	dB	
50	M	18	15	S	19	14	M	25	M	19	15	M	22	M	8	M	11	M	3	M	18			
100	S	7	26	M	7	24	M	22	S	8	26	S	27	S	16	17	S	11	S	11	22	S	6	
200	S	6	25	M	8	23	M	27	M	7	23	M	22	M	18	15	M	16	M	35	9	M	26	
500	M	7	23	S	9	22	S	32	S	7	24	S	12	S	19	15	S	6	S	11	20	S	1	
1000	S	7	25	S	8	23	S	23	M	7	23	M	22	M	18	15	M	16	M	36	9	M	16	
2000	M	6	25	S	6	25	S	17	M	6	25	M	22	M	14	17	M	16	M	28	11	M	16	
5000	S	7	30	S	7	30	S	15	S	12	30	S		S	11	21	S	6	S	9	26	S	6	
6000	S	9	29	S	9	26	S	17	M	22	26	S	17	S	12	18	S	1	S	11	12	S	1	
7000	S	7	25	M	13	24	S	27	M	10	24	M		M	18	16	M		M	42	11	M		
8000	M	45	11																					
9000	M		10																					
10000	M		0																					

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET				15 Hz OFFSET				-10 kHz OFFSET				+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I	
Hz	%	dB		%	dB	%	dB		%	dB	%	dB	%	dB	%	dB		%	dB	%	dB	%	dB	
50	M	93	27																					
100	M	13	32	M	14	32	M	22	M	14	32	M	22	M	15	24	M	-2	M	20	17	M	3	
200	M	10	32	S	11	28	S		S	10	32	S	16	S	11	24	M	-4	M	19	18	M	6	
500	M	6	32	M	6	32	M	22	M	6	32	M	22	M	9	25	M	6	M	17	18	M	16	
1000	M	4	32	M	5	29	M	17	M	4	32	M	17	M	8	24	M	6	M	15	18	M	16	
2000	M	7	33	M	6	32	M	17	M	6	32	M	17	M	9	25	S		S	15	19	M	16	
5000	M	22	25	M	22	24	M	17	M	22	24	M	17	M	27	16	M	1	M	34	10	M	6	
6000	M	10	26	M	12	26	M	27	M	12	26	M	27	M	18	18	M	6	M	25	12	M	11	
7000	S	9	27	M	17	27	S	15	S	17	27	S	16	S	18	19	S	3	S	13	13	S	0	
8000	S	15	22	M	77	22	M	32	M	74	22	M	32	M	34	13	M	3	M	91	9	M	9	
9000	M	29	15	M		17	M		M	17	M		M	95	8	M	11	M	95	5	M	5	M	9
10000	M		0																					

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET				15 Hz OFFSET				-10 kHz OFFSET				+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I	
Hz	%	dB		%	dB	%	dB		%	dB	%	dB	%	dB	%	dB		%	dB	%	dB	%	dB	
50																								
100																								
200																								
500																								
1000																								
2000																								
5000																								
6000																								
7000																								
8000																								
9000																								
10000																								

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 2 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*		
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	M	15																
100	M	24																
200	M	23																
500	M	23																
1000	M	23																
2000	M	25																
5000	S	10																
6000	S	11																
7000	M	26																
8000	S	25																
9000	S	21																
10000	M	1																

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*		
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	M	18																
100	M	16																
200	S	8																
500	S	7																
1000	S	6																
2000	S	6																
5000	M	28																
6000	M	23																
7000	M	19																
8000	M	20																
9000	S	20																
10000	M	1																

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*		
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50																		
100																		
200																		
500																		
1000																		
2000																		
5000																		
6000																		
7000																		
8000																		
9000																		
10000																		

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 2 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	
50	M	16	16	M	17	16	M	17		M	17	16	M	17		M	8	M	10	M	4
100	M	6	25	S	11	22	M	6		M	6	25	M	22		M	15	M	16	M	28
200	M	6	24	S	13	19	S	6		M	6	24	M	20		M	16	M	11	M	31
500	M	7	24	S	10	20	S	7		M	7	23	M	22		M	18	M	16	M	34
1000	M	6	24	S	11	19	M	6		M	6	24	M	22		M	16	M	16	M	32
2000	M	5	26	S	7	23	S	5		S	5	22	S	22		S	25	S	12	S	14
5000	S	5	25	S	4	27	S	12		M	4	28	M	10		M	9	M	1	M	20
6000	M	6	26	S	5	26	M	17		M	6	24	S	22		S	18	S	16	S	11
7000	S	10	21	S	6	25	S	8		M	7	24	M	8		M	16	M	1	M	30
8000	M	10	20	M	10	21	M	17		M	11	20	M	17		M	25	M	11	M	86
9000	M	18	15	S	21	14	S	29		M	18	15	M	17		M	87	S	8	M	10
10000	M		0																	M	94

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	
50	M	37	25	S	8	32	S	24	31	M	47	M	9	31	S	32	S	13	23	S	6
100	S	6	30	S	10	30	M	10	S	9	33	S	32	S	13	25	M	-4	M	12	
200	M	4	34	M	4	34	M	12	S	6	34	M	42	M	7	25	M	6	M	12	
500	M	4	34	M	4	34	M	12	M	4	34	M	12	M	7	25	M	6	M	12	
1000	M	4	34	M	4	34	M	12	M	4	34	M	12	M	7	25	M	6	M	11	
2000	M	8	34	S	11	30	M	8	M	8	34	M	22	M	9	25	S	6	S	12	
5000	S	7	32	M	10	31	S	17	M	10	31	S	42	S	11	23	S	6	M	15	
6000	S	6	29	M	9	29	S	22	M	9	29	S	39	S	12	21	S	6	S	10	
7000	S	8	26	S	5	22	S	8	M	8	25	M	22	M	14	18	S	11	S	13	
8000	S	14	18	S	8	23	M	6	M	8	23	M		M	19	14	M	-1	M	50	
9000	S	36	18																		
10000	M		0																		

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	
50																					
100																					
200																					
500																					
1000																					
2000																					
5000																					
6000																					
7000																					
8000																					
9000																					
10000																					

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 2 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB	dB		%	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	M	3																			
100	M	2																			
200	M	2																			
500	M	2																			
1000	M	2																			
2000	M	1																			
5000	S	47	25																		
6000	S	15	25	S	15	24	S			M	36	20	M			S	22	15	S	6	S
7000	S	17	23	M	17	23	M	15		M	17	23	M	12		M	25	14	S	8	S
8000	S	37	21																		
9000	M	20	18	M	23	18	S	41		M	21	18	M	17		M	90	10	M	10	M
10000	M	0																			

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB	dB		%	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	M	88	31																		
100	M	67	31																		
200	M	32																			
500	M	68	33																		
1000	M	66	33																		
2000	M	49	32																		
5000	M	43	23																		
6000	M	46	21																		
7000	S	32	19																		
8000	M	88	12																		
9000	M	7																			
10000	M	0																			

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB	dB		%	dB		%	dB	dB		%	dB	dB		%	dB	dB
50																					
100																					
200																					
500																					
1000																					
2000																					
5000																					
6000																					
7000																					
8000																					
9000																					
10000																					

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.



**Appendix D. Measurement results from testing
receiver no. 3 at 1330 kHz.**

PAGE	SOURCE	MODULATION MATRIX	FIELD STRENGTH
102	C-Quam exciter	left only	10. mV/m
103	C-Quam exciter	right only	10. mV/m
104	C-Quam exciter	left=right	10. mV/m
105	C-Quam exciter	left=-right	10. mV/m
106	C-Quam generator	left only	10. mV/m
107	C-Quam generator	right only	10. mV/m
108	C-Quam generator	left=right	10. mV/m
109	C-Quam generator	left=-right	10. mV/m
110	Kahn generator	left only	10. mV/m
111	Kahn generator	right only	10. mV/m
112	Kahn generator	left=right	10. mV/m
113	Kahn generator	left=-right	10. mV/m
114	C-Quam exciter	left only	.5 mV/m
115	C-Quam exciter	right only	.5 mV/m
116	C-Quam exciter	left=right	.5 mV/m
117	C-Quam exciter	left=-right	.5 mV/m
118	C-Quam generator	left only	.5 mV/m
119	C-Quam generator	right only	.5 mV/m
120	C-Quam generator	left=right	.5 mV/m
121	C-Quam generator	left=-right	.5 mV/m
122	Kahn generator	left only	.5 mV/m
123	Kahn generator	right only	.5 mV/m
124	Kahn generator	left=right	.5 mV/m
125	Kahn generator	left=-right	.5 mV/m
126	C-Quam exciter	left only	.1 mV/m
127	C-Quam exciter	right only	.1 mV/m
128	C-Quam exciter	left=right	.1 mV/m
129	C-Quam exciter	left=-right	.1 mV/m
130	C-Quam generator	left only	.1 mV/m
131	C-Quam generator	right only	.1 mV/m
132	C-Quam generator	left=right	.1 mV/m
133	C-Quam generator	left=-right	.1 mV/m
134	Kahn generator	left only	.1 mV/m
135	Kahn generator	right only	.1 mV/m
136	Kahn generator	left=right	.1 mV/m
137	Kahn generator	left=-right	.1 mV/m

Table of performance measurements on receiver number 3 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET									
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		
50	S	18	25	S	23	21	S	27		S	22	21	S	27		S	7	S	13	S	30	
100	S	15	35	S	16	31	M			S	16	31	S	22		S	19	17	S	0	S	16
200	S	10	33	S	10	30	S	22		S	10	30	S	22		S	19	16	S	6	S	13
500	S	8	33	S	9	29	M	16		S	8	29	S	22		S	20	15	S	11	S	12
1000	S	8	33	S	9	29	S	17		S	9	29	S	22		S	19	15	S	6	S	11
2000	S	11	34	S	11	30	M	13		S	11	30	S	22		S	18	16	S	3	S	13
5000	S	2	33	S	4	29	S	27		S	4	29	S	32		S	17	15	S	16	S	9
6000	S	4	27	S	7	23	S	32		S	7	23	S	32		S	88	10	S	26	S	19
7000	S	9	21	S	14	17	S	30		S	13	17	S	29		S	86	6	S	21	S	10
8000	S		13																			
9000	S		9																			
10000	S		1																			

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET									
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		
50	M	10	34	M	13	31	M	27		M	13	30	M	27		M	26	15	M	6	M	14
100	S	24	41	M	4	37	M			S	24	37	S	12		S	18	22	S		S	24
200	S	20	43	S	20	39	S			S	21	39	S	13		S	15	24	S		S	20
500	S	19	43	S	18	39	S			S	19	39	S	13		S	14	24	S		S	18
1000	S	17	43	S	17	39	S			S	16	39	M			S	13	24	S	-9	S	16
2000	S	18	42	S	18	37	M			S	18	38	S	7		S	16	23	S	-8	S	18
5000	S	2	35	S	3	31	S	27		S	3	31	S	32		S	12	18	S	16	S	7
6000	S	3	29	S	5	25	S	32		S	5	25	S	32		S	90	13	S	26	S	16
7000	S	6	23	S	11	19	S	32		S	11	19	S	32		S	84	8	S	26	S	60
8000	S	16	15	S	28	11	S	32		S	11	S	32			S	83	3	S	21	S	96
9000	S		9																			
10000	S		0																			

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET									
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		
50	M	37	40	S	20	37	M	5		S	21	38	S	22		S	27	25	S		S	29
100	S	35	42	S	3	31	S	27		S	3	31	S	32		S	11	18	S	16	S	7
200	S	47	44	S	5	25	S	27		S	5	26	S	32		S	13	18	S	26	S	14
500	S	19	41	S	10	19	S	32		S	10	19	S	32		S	85	8	S	26	S	11
1000	S	41	42	S	23	12	S	32		S	12	S	32			S	80	4	S	21	S	97
2000	S	37	38	S																		
5000	S	2	35	S	3	31	S	27		S	3	31	S	32		S	11	18	S	16	S	7
6000	S	3	30	S	5	25	S	27		S	5	26	S	32		S	13	18	S	26	S	14
7000	S	6	23	S	10	19	S	32		S	10	19	S	32		S	85	8	S	26	S	11
8000	S	14	16	S	23	12	S	32		S	12	S	32			S	80	4	S	21	S	97
9000	S		11																			
10000	S		0																			

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																	
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	dB	dB	dB
Hz	%	dB	%	dB	dB	%	dB	dB	%	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	
50	S	13																												
100	S	18																												
200	S	15																												
500	S	12																												
1000	S	15																												
2000	S	22																												
5000	S	27																												
6000	S	23																												
7000	S	17																												
8000	S	11																												
9000	S	7																												
10000	S	1																												

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																	
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	dB	dB	dB
Hz	%	dB	%	dB	dB	%	dB	dB	%	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	
50	S	27																												
100	S	30																												
200	S	32																												
500	S	32																												
1000	S	32																												
2000	S	33																												
5000	S	34																												
6000	S	29																												
7000	S	22																												
8000	S	16																												
9000	S	10																												
10000	S	0																												

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																	
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	dB	dB	dB
Hz	%	dB	%	dB	dB	%	dB	dB	%	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	
50	M	37																												
100	S	43																												
200	S	44																												
500	S	43																												
1000	S	42																												
2000	S	40																												
5000	S	36																												
6000	S	30																												
7000	S	23																												
8000	S	17																												
9000	S	11																												
10000	S	-1																												

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET									
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		
50	S	12	23	M	13	23	S	27		S	23	19	S	32		S	5	S	16	S	35	
100	S	8	31	S	12	27	S	17		S	17	27	S	42		S	30	S	13	S	16	
200	S	6	30	S	11	27	S	32		S	13	27	S	32		S	33	S	11	S	16	
500	S	4	29	S	7	25	S	32		S	7	26	S	32		S	34	S	11	S	16	
1000	S	5	30	S	7	26	M	17		S	7	26	S	32		S	33	S	11	S	16	
2000	S	9	30	S	11	26	M	10		S	10	27	S	27		S	33	S	12	S	16	
5000	S	3	30	S	5	27	S	27		S	4	27	S	32		S	20	S	14	S	16	
6000	S	5	25	M	6	22	S	32		S	8	22	S	32		S	9	S	26	S	23	
7000	S	10	20	S	16	16	S	28		S	15	16	S	29		S	85	S	5	S	21	
8000	S		12																		S	9
9000	S		8																		S	13
10000	S		0																			

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET									
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		
50	M	38	41	M	15	36	M	22		M	16	36	M	24		S	42	M	21	M	14	
100	M	13	40	M	8	38	M	15		S	7	43	M	15		S	17	S	23	S	12	
200	S	11	54	M	19	42	M	12		M	5	37	M	13		S	17	S	22	S	12	
500	S	10	41	S	3	35	S	3		S	3	31	S	22		S	17	S	21	S	-4	
1000	S	13	41	M	6	41	M	8		S	6	36	M	8		S	17	S	22	S	-2	
2000	S	12	39	S	15	34	M	15		S	15	34	S	32		S	17	S	21	S	-6	
5000	S	3	35	S	3	31	S	22		S	3	31	S	22		S	11	S	18	S	16	
6000	S	3	30	S	4	25	S	27		S	4	26	S	32		S	13	S	26	S	15	
7000	S	7	23	M	7	21	M	22		S	10	19	S	32		S	84	S	8	S	26	
8000	S	15	16	M	14	S	33			S	24	11	S	32		S	80	S	4	S	21	
9000	S		10																	S	96	
10000	S		0																		S	16

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET											
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I			
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB				
50	M	49	39	M	17	43	M	22		M	16	43	M	17		S	44	M	24	S	17			
100	S	45	40	M	11	39	M	11		M	11	38	M	11		S	17	M	24	M	28			
200	M	16	44	M	12	37	M	3		M	12	37	M	5		S	24	M	23	S	22			
500	S	27	43	M	16	38	M	12		M	16	34	M	15		S	24	M	21	M	17			
1000	S	22	41	S	3	30	S	22		S	3	31	S	22		S	11	S	18	S	7			
2000	M	17	38	S	5	25	S	27		S	5	25	S	32		S	13	S	26	S	14			
5000	S	3	35	S	10	19	S	32		S	10	19	S	32		S	85	S	8	S	34			
6000	S	3	30	S	12	S	32			S	12	S	32		S	79	S	4	S	26	S	97		
7000	S	6	23	S	23																S	26		
8000	S	14	17	S	23																	S	26	
9000	S		11																			S	26	
10000	S		0																				S	26

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%		
50	S	11	21	M		17	S	32	S	17	S	27	S	5	S	16	S	75	S	10	S	13	S	18	S	16			
100	S	4	30	S	13	26	S	37	S	26	S	32	S	23	13	S	16	S	14	S	17	S	16	S	14	S	17		
200	S	4	29	S		26	S	37	S	7	26	S	32	S	25	12	S	16	S	14	S	17	S	16	S	14	S	17	
500	S	4	29	S	7	25	S	32	S	6	25	S	32	S	25	12	S	26	S	14	S	17	S	16	S	14	S	17	
1000	S	4	30	S	6	26	S	27	S	26	S	32	S	24	13	S	16	S	13	S	18	S	16	S	13	S	18		
2000	S	6	31	S	7	27	S	22	S	7	27	S	22	S	22	13	S	16	S	12	S	19	S	6	S	12	S	19	
5000	S	3	31	S	5	26	S	27	S	5	26	S	32	S	18	14	S	16	S	12	S	19	S	16	S	12	S	19	
6000	S	6	25	S	10	21	S	32	S	10	21	S	32	S	9	S	26	S	26	S	13	S	16	S	26	S	13	S	16
7000	S	12	19	S	20	14	S	32	S	20	15	S	32	S	6	S	26	S	96	S	7	S	16	S	96	S	7	S	16
8000	S		11																										
9000	S		7																										
10000	S		0																										

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																	
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I			
Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%			
50	M	61	38	S	25	35	S	22	S	23	35	S	17	S	22	21	S	-9	S	22	S	26	S	22	S	26	S	22		
100	S	46	42	S	19	34	S	20	S	18	34	S	25	S	18	21	S	-9	S	18	S	26	S	18	S	26	S	18		
200	S	22	39	S	20	34	S	17	S	21	34	S	20	S	20	21	S	-9	S	20	S	25	S	20	S	25	S	20		
500	S	18	38	S	15	34	S	22	S	15	34	S	22	S	17	21	S	1	S	15	S	26	S	15	S	26	S	15		
1000	S	20	38	S	3	32	S	22	S	3	33	S	22	S	11	19	S	16	S	6	S	24	S	6	S	24	S	6		
2000	S	14	38	S	4	27	S	27	S	4	26	S	32	S	13	S	26	S	15	S	18	S	16	S	15	S	18	S	16	
5000	S	2	37	S	10	19	S	32	S	11	19	S	32	S	83	8	S	26	S	60	S	11	S	16	S	60	S	11	S	16
6000	S	3	31	S	12	S	42	S	12	S	32	S	32	S	78	4	S	25	S	96	S	5	S	16	S	96	S	5	S	16
7000	S	6	23	S																										
8000	S	15	16	S																										
9000	S		10	S																										
10000	S		-1																											

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET															
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	
50	S	91	40	S	23	34	M	10	S	22	34	M	12	S	28	21	S	1	S	23	S	26	S	23	S	26	S	23
100	S	88	43	S	3	32	S	22	S	3	32	S	22	S	11	20	S	16	S	6	S	24	S	6	S	24	S	6
200	S	62	43	S	4	26	S	27	S	4	26	S	32	S	13	S	26	S	15	S	18	S	16	S	15	S	18	
500	S	60	43	S	10	19	S	32	S	10	19	S	32	S	84	8	S	26	S	53	S	12	S	16	S	53	S	12
1000	S	43	41	S	84	S	30	S		S	84	S	32	S	76	5	S	23	S	97	S	78	S	97	S	78	S	97
2000	S	22	38	S																								
5000	S	2	37	S																								
6000	S	3	31	S																								
7000	S	6	23	S																								
8000	S	13	89	S																								
9000	S		83	S																								
10000	S		72	S																								

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			@ 0 dB D/U			@ 0 dB D/U			@ 0 dB D/U			@ 0 dB D/U			@ 0 dB D/U															
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	%	dB	%	dB	%	dB	%	dB								
Hz			%	dB		%				%	dB			%		%	dB			%			%	dB			%	dB			%	dB			%	dB							
50	S	18	23	S	27	21	S	30	S	22	21	S	32	S	19	17	S	16	S	30	13	S	16	S	17	23	S	-4	S	13	22	S	1										
100	S	15	32	S	18	30	M		S	16	30	S	22	S	19	16	S	6	S	13	22	S	1	S	11	22	S	6	S	12	21	S	6										
200	S	10	31	S	11	29	M		S	11	28	S	22	S	19	15	S	6	S	11	22	S	6	S	8	31	S	6	S	11	22	S	6										
500	S	8	30	S	9	28	M	16	S	9	28	S	22	S	19	16	S	6	S	9	21	S	16	S	5	25	S	27	S	16	S	9	21	S	16								
1000	S	8	31	S	9	28	M		S	9	28	S	22	S	19	16	S	6	S	13	23	S	-2	S	11	22	S	6	S	13	23	S	-2										
2000	S	11	32	S	12	29	S		S	12	29	S	17	S	18	16	S	3	S	13	23	S	-2	S	3	30	S	27	S	16	S	9	21	S	16								
5000	S	3	30	S	4	28	S	27	S	4	28	S	32	S	16	16	S	16	S	9	21	S	16	S	5	25	S	27	S	19	16	S	16	S	19	16	S	16					
6000	S	5	25	S	7	22	S	27	S	7	22	S	32	S	87	10	S	26	S	19	16	S	16	S	11	19	S	27	S	75	10	S	13	S	75	10	S	13					
7000	S	11	19	S	15	16	S	32	S	16	16	S	27	S	85	6	S	21	S	75	10	S	13	S	10																		
8000	S	10																																									
9000	S	6																																									
10000	S	0																																									

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			@ 0 dB D/U			@ 0 dB D/U			@ 0 dB D/U			@ 0 dB D/U			@ 0 dB D/U																				
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	%	dB	%	dB	%	dB															
Hz			%	dB		%				%	dB			%	dB			%	dB			%	dB			%	dB			%	dB			%	dB													
50	M	14	32	M	16	30	M	22	M	16	35	M	22	M	24	17	M	1	M	15	24	M	-6	S	17	32	S	16	32	S	14	31	S	13	29	S	13	29	S	17	32	S	16					
100	S	32	41	S	18	41	S	17	S	17	39	M	7	S	14	25	S	-8	S	17	32	S		S	16	32	S		S	16	32	S		S	14	31	S		S	13	29	S		S	7	24	S	16
200	S	18	41	S	18	38	S	17	S	17	38	S	25	S	13	25	S		S	16	32	S		S	17	32	S		S	16	32	S		S	14	31	S		S	13	29	S		S	7	24	S	16
500	S	16	41	M	3	36	M	6	S	17	38	S	25	S	12	25	S		S	15	23	S	-3	S	13	29	S		S	16	32	S		S	17	32	S		S	17	32	S		S	7	24	S	16
1000	S	14	41	M	3	36	M		S	14	38	S	25	S	15	23	S		S	13	19	S	16	S	17	32	S		S	16	32	S		S	17	32	S		S	17	19	S	16					
2000	S	13	39	S	13	36	M		S	17	36	S	30	S	15	23	S		S	13	19	S	16	S	17	32	S		S	16	32	S		S	17	19	S	16										
5000	S	2	33	S	3	31	S	17	S	3	31	S	32	S	13	19	S	26	S	78	10	S	26	S	72	13	S	16	S	9	21	S	27	13	S	16												
6000	S	3	27	S	5	25	S	32	S	5	25	S	32	S	13	19	S	26	S	90	14	S	26	S	17	19	S	16	S	7	24	S	16	S	17	19	S	16										
7000	S	6	21	S	10	19	S	32	S	9	19	S	32	S	79	9	S	26	S	77	6	S	26	S	66	13	S	26	S	9	21	S	27	13	S	26												
8000	S	14	14	S	11	S	32	S	11	S	32	S	11	S	77	6	S	26	S	77	6	S	26	S	6	S	20	S	1																			
9000	S	9																																														
10000	S	0																																														

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	S	13																								
100	S	18																								
200	S	14																								
500	S	12																								
1000	S	15																								
2000	S	21																								
5000	S	26																								
6000	S	22																								
7000	S	16																								
8000	S	11																								
9000	S	6																								
10000	S	0																								

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	M	26																								
100	M	33																								
200	S	29																								
500	S	30																								
1000	S	29																								
2000	S	30																								
5000	S	33																								
6000	S	28																								
7000	S	22																								
8000	S	15																								
9000	S	10																								
10000	S	0																								

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	M	35																								
100	M	40																								
200	S	37																								
500	S	36																								
1000	S	34																								
2000	S	33																								
5000	S	34																								
6000	S	29																								
7000	S	22																								
8000	S	15																								
9000	S	9																								
10000	S	1																								

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%		
50	S	13	20	S	19	18	S	32	S	25	18	S	32	S	5	S	16	S	36	10	S	16	
100	S	8	29	S	12	26	S	31	S	17	26	S	42	S	31	12	S	16	S	15	19	S	6
200	S	6	28	S	10	25	S	32	S	12	25	S	42	S	35	11	S	26	S	15	18	S	16
500	S	5	27	S	8	24	S	27	S	8	24	S	32	S	36	10	S	16	S	15	17	S	16
1000	S	6	27	S	8	25	M	17	S	8	25	S	32	S	35	11	S	16	S	14	18	S	16
2000	S	9	28	S	12	25	M		S	10	25	S	22	S	35	11	S	15	S	16	18	S	6
5000	S	4	28	S	5	25	S	27	S	5	25	S	32	S	13	S	16	S	12	19	S	16	
6000	S	7	23	S	10	20	S	32	S	10	20	S	32	S	9	S	26	S	23	13	S	16	
7000	S	13	17	S	18	15	S	30	S	18	15	S	29	S	6	S	21	S	8	S	13		
8000	S		10																				
9000	S		6																				
10000	S		0																				

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%		
50	S	47	30																				
100	M	14	42	M	16	38	M	22	M	15	39	M	22	M	24	21	S	M	14	29	M		
200	S	14	38	M	7	38	M		S	7	36	M	12	S	21	20	S	0	S	15	28	S	-6
500	S	11	36	S	2	33	M		S	14	33	S	27	S	20	20	S	3	S	14	26	S	1
1000	S	14	36	M	3	36	M	7	S	17	33	S	27	S	22	20	S	3	S	16	26	S	-4
2000	S	22	34	M	7	36	M		S	25	32	S	24	S	26	19	S	0	S	24	25	S	-4
5000	S	3	33	S	4	30	M	17	S	4	30	S	32	S	18	18	S	16	S	8	23	S	16
6000	S	3	27	S	5	24	S	27	S	5	25	S	32	S	88	13	S	26	S	18	18	S	16
7000	S	6	21	S	10	18	S	32	S	11	18	S	32	S	78	9	S	26	S	12	S	16	
8000	S	15	14	S	11	S	32	S		11	S	32	S	75	5	S	23	S	96	6	S	16	
9000	S		8																				
10000	S		0																				

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%		
50	M	43	34																				
100	M	18	39	M	19	39	M	22	M	19	39	M	20	M	27	22	M	6	M	19	29	M	-9
200	M	11	40	M	13	40	M	27	M	13	40	M	22	S	21	22	M		S	17	30	S	
500	S	17	38	M	8	39	M		M	8	39	M	9	S	20	21	S	-3	S	15	28	S	-9
1000	S	18	37	M	9	38	M		M	10	36	M		S	21	21	S		S	17	28	S	-9
2000	S	21	35	M	14	33	M		M	14	33	M	9	S	24	20	S		S	23	25	S	-4
5000	S	3	33	S	4	30	S	27	S	3	33	S	22	S	18	18	S	16	S	12	23	S	16
6000	S	3	27	S	6	25	S	32	S	6	25	S	32	S	95	13	S	36	S	24	18	S	26
7000	S	6	21	S	11	18	S	32	S	11	18	S	32	S	76	9	S	26	S	80	12	S	16
8000	S	15	14	S	11	S	31	S		11	S	32	S	75	5	S	23	S	96	6	S	16	
9000	S		8																				
10000	S		0																				

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mv/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz		%	dB		%	dB		%	dB		%	dB		%	dB
50	S	11	20	S	17	35	M	17	32	S	5	21	S	79	9
100	S	4	29	S	26	37	S	26	32	S	24	13	S	13	18
200	S	5	28	M	11	37	S	7	25	S	25	12	S	14	17
500	S	4	28	M	11	37	S	25	32	S	26	12	S	14	17
1000	S	4	29	S	6	26	S	6	26	S	24	13	S	13	18
2000	S	6	29	S	7	26	S	7	27	S	22	13	S	13	18
5000	S	4	29	S	5	26	S	5	26	S	21	13	S	12	18
6000	S	7	24	M	11	20	S	32	S	9	20	S	23	S	25
7000	S	13	18	S	15	32	S	19	15	S	89	9	S	13	16
8000	S		10							S	6	S	26	S	7
9000	S		6												13
10000	S		0												13

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz		%	dB		%	dB		%	dB		%	dB		%	dB
50	M		34	S	19	33	S	27	S	16	33	S	22	S	18
100	S	15	36	S	14	33	S	27	S	11	34	S	22	S	16
200	S	10	36	S	9	34	S	27	S	9	34	S	22	S	11
500	S	8	37	S	9	34	S	27	S	9	34	S	22	S	9
1000	S	8	37	S	9	34	S	22	S	9	34	S	22	S	9
2000	S	15	37	S	15	34	S	17	S	11	35	S	20	S	17
5000	S	3	36	S	4	33	S	22	S	3	36	S	16	S	13
6000	S	4	29	S	5	27	S	27	S	4	30	S	20	S	90
7000	S	6	24	M	10	22	S	32	S	10	21	S	32	S	63
8000	S	19	15	S	13	32	S	13	S	13	S	32	S	53	9
9000	S		12												94
10000	S		0												7

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz		%	dB		%	dB		%	dB		%	dB		%	dB
50	M		29	S	23	34	S	22	M	76	34	M	22	21	S
100	S	20	37	S	87	22	S	25	S	15	35	S	16	21	S
200	S	14	38	S	12	34	S	22	S	11	34	S	13	22	S
500	S	11	38	S	12	35	S	20	S	11	35	S	13	22	S
1000	S	11	38	S	19	35	S	17	S	14	36	S	19	21	S
2000	S	19	37	S	4	34	S	17	S	3	37	S	61	19	S
5000	S	4	37	S	5	27	S	22	S	5	27	S	15	36	S
6000	S	4	30	S	8	23	S	27	S	7	26	S	63	13	S
7000	S	5	25	S	28	13	S	30	S	13	S	32	51	10	S
8000	S	18	16	S					S						95
9000	S		13												7
10000	S		0												16

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																					
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	dB	dB	dB	dB	dB	dB	
Hz	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB	%	dB	7	S	11		S	24	25	S	-6									
50	S	22	26	S	34	23	S	24	S	25	23	S	24	S	20	17	S	-2	S	17	35	S												
100	S	18	36	S	20	33	S	24	S	20	34	S	22	S	18	17	S	3	S	10	35	S												
200	S	11	36	S	13	33	S	23	S	12	34	S	22	S	18	16	S	6	S	9	35	S												
500	S	9	36	M	13	31	S	13	S	9	33	S	22	S	18	16	S	6	S	9	35	S												
1000	S	10	37	S	10	34	M	9	S	10	34	S	17	S	16	17	S	6	S	9	35	S												
2000	S	18	39	S	18	36	M		S	18	35	M		S	17	19	S	-8	S	17	37	S												
5000	S	3	40	S	3	37	S	17	S	3	37	S	22	S	8	20	S	16	S	4	38	S	6											
6000	S	3	35	S	5	26	S	32	S	4	32	S	32	S	28	15	S	26	S	8	34	S	16											
7000	S	4	27	S	13	22	S	37	S	8	24	S	32	S	94	9	S	26	S	15	20	S	16											
8000	S	9	20	S	51	17	S	42	S	22	17	S	42	S	5	S	26	S	21	18	S	11												
9000	S		16																															
10000	S		0																															

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	dB	dB	dB	dB	dB	dB			
Hz	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB	%	dB	15	S	6	S	10	38	M	-4												
50	M	50	50																																	
100	M	9	41	M	14	40	M		M	14	42	M	27	M	15	18	M	6	M	10	38	M	-4													
200	M	7	40	M	10	39	S		M	9	37	M	32	M	9	19	M	6	M	7	37	M	-4													
500	M	3	40	M	4	36	M	27	M	4	40	M	22	M	7	19	M	6	M	4	38	M	6													
1000	M	3	40	M	3	41	M	22	M	3	37	M	22	S	38	17	S	8	S	18	36	S														
2000	S	18	38	S	25	35	S	22	S	25	35	S	22	S	38	17	S	8	S	18	36	S														
5000	M	1	48	M	8	33	M	42	M	8	34	M	42	M	20	18	M	36	M	3	23	M	6													
6000	M	1	44	M	17	27	M	47	M	17	30	M	52	M	17	19	M	36	M	6	19	M	16													
7000	S	3	48	S	8	21	S	32	S	8	22	S	32	S	77	10	S	36	S	15	15	S	16													
8000	S	5	18	S	20	20	S	42	S	19	18	S	42	S	76	9	S	31	S	83	7	S	16													
9000	S	10	13	S	18	S	37	S	32	18	S	42	S																							
10000	S		0																																	

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																						
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	dB	dB	dB	dB	dB	dB		
Hz	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB	%	dB	16	S	6	S	11	35	M	-4											
50	M	50	51																																
100	M	10	40	M	15	38	M		M	15	37	M	27	M	16	18	M	6	M	11	35	M	-4												
200	M	6	39	M	10	39	S		M	8	38	M	22	S	18	18	M	0	M	6	38	M	-8												
500	M	3	40	M	4	38	M	27	M	3	37	M	22	M	7	19	M	6	M	4	38	M	6												
1000	M	3	39	M	4	36	M	22	M	3	36	M	22	S	25	18	S	-4	S	23	36	S													
2000	S	23	38	S	22	34	S	15	S	22	40	S	12	S	25	18	S	-4	S	23	36	S													
5000	M	1	40	M	9	32	M	42	M	9	32	M	42	M	20	18	M	36	M	3	23	M	6												
6000	M	1	45	M	17	25	M	47	M	17	30	M	52	M	17	19	M	36	M	6	19	M	16												
7000	S	3	23	S	10	22	S	42	S	10	21	S	42	S	82	15	S	36	S	9	15	S	16												
8000	S	4	19	S	24	19	S	42	S	24	19	S	42	S	70	14	S	36	S	30	11	S	16												
9000	S	8	13	S	98	25	S	47	S	96	19	S	52	S	62	13	S	41	S	94	8	S	26												
10000	S		1																																

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET @ 26 dB D/U			15 Hz OFFSET @ 26 dB D/U			-10 kHz OFFSET @ 0 dB D/U			+10 kHz OFFSET @ 0 dB D/U		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
		%	dB		%	dB		%	dB		%	dB		%	dB
50	S	24													
100	S	28													
200	S	19													
500	S	16													
1000	S	18													
2000	S	19													
5000	S	14													
6000	S	13													
7000	S	15													
8000	S	7													
9000	M	16													
10000	S	0													

90% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET @ 26 dB D/U			15 Hz OFFSET @ 26 dB D/U			-10 kHz OFFSET @ 0 dB D/U			+10 kHz OFFSET @ 0 dB D/U		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
		%	dB		%	dB		%	dB		%	dB		%	dB
50	S	30													
100	S	33													
200	S	27													
500	S	24													
1000	S	25													
2000	S	27													
5000	S	42													
6000	M	39													
7000	M	93													
8000	M	94													
9000	S	87													
10000	S	0													

125% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET @ 26 dB D/U			15 Hz OFFSET @ 26 dB D/U			-10 kHz OFFSET @ 0 dB D/U			+10 kHz OFFSET @ 0 dB D/U		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
		%	dB		%	dB		%	dB		%	dB		%	dB
50	S	31													
100	S	34													
200	S	29													
500	S	25													
1000	S	34													
2000	M	38													
5000	M	36													
6000	M	28													
7000	M	34													
8000	M	94													
9000	S	87													
10000	S	1													

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET						
	*	DS	S/N	@ 26 dB D/U			*	DS	S/N	* S/I	@ 26 dB D/U			*	DS	S/N	* S/I		
				*	DS	S/N	%	dB	%	dB	*	DS	S/N	%	dB	%	dB		
Hz																			
50	S	21	23	S	31	20	M	16	S	27	20	S	29	S	4	S	13		
100	S	8	31	S	10	30	M	17	S	16	28	S	42	S	33	11	S	16	
200	S	4	31	S	7	29	S	32	S	9	28	S	32	S	33	11	S	26	
500	S	3	30	S	3	28	S	27	S	6	27	S	32	S	34	11	S	26	
1000	S	3	31	S	5	29	S	17	S	5	28	S	32	S	30	11	S	26	
2000	S	5	32	S	7	30	S	27	S	7	30	S	32	S	26	13	S	16	
5000	S	2	33	S	3	30	S	27	S	3	31	S	32	S	18	14	S	16	
6000	S	3	29	S	6	24	S	32	S	5	26	S	32	S	61	10	S	26	
7000	S	8	22	S	13	18	S	32	S	11	19	S	32	S	95	5	S	21	
8000	S	18	15	S	11	S	28	S	12	S	28	S	93	S	1	S	21	S	6
9000	S		9																
10000	S		0																

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U			*	DS	S/N	* S/I	@ 26 dB D/U			*	DS	S/N	* S/I			
				*	DS	S/N	%	dB	%	dB	*	DS	S/N	%	dB	%	dB			
Hz																				
50	S	52	45	M	18	37	M	17	S	19	37	S	32	S	17	17	S	-2		
100	S	14	40	M	4	44	S		M	5	45	M	17	S	16	20	S	6		
200	S	7	43	S	2	38	M		S	11	38	S	27	S	14	20	S	6		
500	S	7	41	S	15	38	M		S	11	43	S	29	S	14	19	S	1		
1000	S	9	41	S	12	35	M	11	M	6	35	M	12	S	13	18	S	-2		
2000	S	11	39	S	4	31	S	27	S	3	31	S	22	S	11	14	S	16		
5000	S	3	34	S	5	25	S	22	S	4	25	S	22	S	26	13	S	26		
6000	S	6	28	S	8	21	S	32	S	8	22	S	32	S	95	7	S	26		
7000	S	6	25	S	15	S	30	S	14	S	32	S	95	S	3	S	21	S	6	
8000	S	12	18	S										S	95	3	S	21	S	6
9000	S		12											S	24	17	S	6		
10000	S		1											S						

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U			*	DS	S/N	* S/I	@ 26 dB D/U			*	DS	S/N	* S/I			
				*	DS	S/N	%	dB	%	dB	*	DS	S/N	%	dB	%	dB			
Hz																				
50	S	66	48	M	16	37	M	25	M	15	41	M	22	M	18	18	M	0		
100	M	13	40	M	10	39	M	14	M	10	44	M	13	S	22	21	S	26		
200	S	15	43	S	21	39	M	10	M	4	44	M	10	S	16	21	S	-1		
500	S	12	43	M	8	38	M	10	M	9	43	M	10	S	18	20	S	1		
1000	S	14	42	M	14	35	M	17	M	14	39	M	17	S	31	17	M	5		
2000	M	14	38	S	5	31	S	32	S	5	30	S	32	S	11	21	S	16		
5000	S	2	43	S	12	26	S	37	S	12	25	S	52	S	26	15	S	26		
6000	S	4	46	S	55	18	S	82	S	55	18	S	82	S	95	8	S	26		
7000	S	17	21	S	19	S	52	S	98	19	S	82	S	95	4	S	26	S	16	
8000	S	24	20	S										S	45	7	S	16		
9000	S		8											S						
10000	S		0											S						

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with left==right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz	%	dB		%	dB		%	dB		%	dB		%	dB	
50	S	10	23	S	20	28	S	19	27	S	4	16	S	10	21
100	S	4	31	S	27	37	S	27	32	S	27	12	S	4	29
200	S	4	31	S	27	37	S	6	26	S	29	11	S	4	29
500	S	3	30	S	27	32	S	5	26	S	30	11	S	4	29
1000	S	3	31	M	28	32	S	28	32	S	26	12	S	4	30
2000	S	3	33	S	29	32	S	29	32	S	22	13	S	4	31
5000	S	2	36	S	3	31	S	27	S	3	32	S	16	16	S
6000	S	3	31	S	5	27	S	27	M	6	28	S	12	26	S
7000	S	6	25	S	12	21	S	32	S	11	21	S	84	8	S
8000	S	14	19	S	17	42	S	16	S	34	S	76	6	S	26
9000	S		15												
10000	S		0												

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz	%	dB		%	dB		%	dB		%	dB		%	dB	
50	M	40													
100	M	64	39												
200	M	50	40												
500	M	51	39												
1000	M	56	38												
2000	S	52	42												
5000	M	11	24	M	21	M	M	20	M	M	19	M	M	30	11
6000	M	8	33	M	97	24	M	47	M	22	M	42	M	19	M
7000	M	4	21	M	20	M	52	M	18	M	52	M	17	M	46
8000	S	5	90	M	31	89	S	42	M	29	90	S	42	M	38
9000	M		88											S	86
10000	S		0												11

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz	%	dB		%	dB		%	dB		%	dB		%	dB	
50	M	93	38												
100	M	75	41												
200	M	60	42												
500	M	62	39												
1000	M	52	38												
2000	S	65	43												
5000	S	6		S	11	23	S	32	S	11	22	S	32	M	16
6000	M	5	24	M	14	21	M	47	M	95	21	M	52	M	17
7000	M	4	24	M	86	M	52	M	97	24	M	52	M	17	M
8000	S	6	88	M	30	85	S	37	M	30	85	S	42	M	47
9000	S		85											S	95
10000	S		72												11

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET															
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	S	23																										
100	S	11	33	S	12	31	S	22	S	12	31	S	17	S	16	19	S	6	S	13	24	S	1					
200	S	8	33	S	8	30	S	22	S	8	30	S	22	S	15	18	S	6	S	10	23	S	6					
500	S	6	32	S	7	29	M	15	S	7	29	S	22	S	15	17	S	16	S	10	23	S	6					
1000	S	7	32	S	7	30	S	22	S	7	30	S	22	S	14	18	S	6	S	9	23	S	6					
2000	S	8	33	S	9	31	M	12	S	9	31	S	17	S	14	18	S	6	S	10	24	S	1					
5000	S	3	32	M	3	33	S	22	S	3	30	S	22	S	13	18	S	16	S	7	23	S	6					
6000	S	5	26	S	7	24	S	27	S	7	25	S	32	S	32	12	S	16	S	15	17	S	16					
7000	S	10	21	S	12	18	S	27	S	13	18	S	27	S	92	7	S	21	S	11	S	11						
8000	S	12																										
9000	S	8																										
10000	S	0																										

90% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET															
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	M	4	34	M	7	36	M	32	M	6	31	M	32	M	20	18	M	16	M	11	24	M	16					
100	S	21	40	S	21	38	S	5	S	21	38	S	9	S	16	25	S		S	21	31	S						
200	S	19	42	S	18	39	S	5	S	18	40	S	8	S	14	26	S		S	19	32	S						
500	S	18	42	S	17	40	M		S	17	40	M		S	13	26	S		S	17	33	S						
1000	S	15	42	S	15	40	M		S	15	40	M	3	S	12	26	S		S	16	33	S						
2000	S	17	41	S	16	39	M		S	16	39	S	15	S	14	25	S		S	17	31	S						
5000	S	2	35	S	2	32	S	22	S	2	32	S	22	S	9	20	S	16	S	5	25	S	6					
6000	S	3	29	M	3	30	S	27	S	4	27	S	32	S	29	15	S	26	S	11	20	S	16					
7000	S	7	22	S	9	20	S	27	S	9	21	S	27	S	96	9	S	21	S	24	13	S	11					
8000	S	15																										
9000	S	9																										
10000	S	1																										

125% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET															
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	M	37	40	S	21	39	M		S	22	39	M		S	32	27	S		S	32	33	S						
100	S	35	41	S	35	41			S	4	27	S	27	S	31	15	S	26	S	10	20	S	16					
200	S	48	43	S	48	43			S	9	20	M	19	S	96	9	S	21	S	21	13	S	11					
500	S	21	44	S	21	39	M		S	2	33	M	15	S	8	20	S	16	S	5	25	S	6					
1000	S	40	41	S	40	41			S	4	27	S	32	S	31	15	S	26	S	21	13	S	11					
2000	S	37	38	S	37	38			S	9	20	M	19	S	9	21	S	27	S	93	7	S	13					
5000	S	2	35	S	2	33	M	15	S	2	32	S	22	S	13	4	S	21	S	93	7	S	13					
6000	S	3	30	S	4	27	S	27	S	4	27	S	32	S	31	9	S	21	S	21	13	S	11					
7000	S	7	23	S	9	20	M	19	S	9	21	S	27	S	96	9	S	21	S	21	13	S	11					
8000	S	15	16	S	14	S	27	S	S	13	S	32	S	S	4	4	S	21	S	93	7	S	13					
9000	S	10																										
10000	S	0																										

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U		
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	S	10																								
100	S	15																								
200	S	13																								
500	S	10																								
1000	S	13																								
2000	S	20																								
5000	S	26																								
6000	S	22																								
7000	S	17																								
8000	S	11																								
9000	S	6																								
10000	S	0																								

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U		
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	M	26																								
100	S	29																								
200	S	30																								
500	S	28																								
1000	S	30																								
2000	S	31																								
5000	S	33																								
6000	S	29																								
7000	S	22																								
8000	S	16																								
9000	S	10																								
10000	S	-1																								

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U		
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	M	35																								
100	S	43																								
200	S	44																								
500	S	43																								
1000	S	42																								
2000	S	40																								
5000	S	36																								
6000	S	30																								
7000	S	23																								
8000	S	17																								
9000	S	11																								
10000	S	0																								

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I			
Hz	%	dB	%	dB	%	dB	dB	%	%	dB	%	dB	dB	%	dB	%	dB				
50	S	12	21	S	16	18	M	16	S	17	18	S	29	S	6	S	16				
100	S	5	30	S	9	28	S	27	S	9	28	S	32	S	23	15	S	16			
200	S	5	30	S	8	27	S	26	S	7	27	S	32	S	23	14	S	16			
500	S	4	29	S	6	26	S	32	S	5	27	S	32	S	23	14	S	16			
1000	S	4	29	S	6	27	S	27	S	6	27	S	32	S	23	14	S	16			
2000	S	7	30	S	8	28	M	10	S	8	27	S	22	S	24	15	S	16			
5000	S	3	30	S	4	27	S	27	S	4	27	S	32	S	16	15	S	16			
6000	S	5	25	S	7	23	S	27	S	7	23	S	32	S	11	S	26	S	16		
7000	S	11	20	S	15	17	S	27	S	14	17	S	27	S	89	6	S	21	S	16	
8000	S		12																10	S	16
9000	S		8																		
10000	S		0																		

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I					
Hz	%	dB	%	dB	%	dB	dB	%	%	dB	%	dB	dB	%	dB	%	dB						
50	M	35	39	M	14	44	M	22	M	14	36	M	22	S	40	23	S	M	13	29	M	-9	
100	M	13	39	S	7	39	M	13	S	16	42	S	32	S	15	25	S	1	S	11	35	S	-4
200	S	10	51	M	5	43	M	10	S	14	38	S	32	S	14	25	S	6	S	11	31	S	-4
500	S	10	41	S	17	38	M	8	S	16	37	S	27	S	15	24	S	-2	S	13	31	S	-6
1000	S	12	40	S	12	36	M	17	S	13	37	S	27	S	14	24	S	6	S	11	29	S	-4
2000	S	10	39	S	2	35	S	32	S	3	32	S	22	S	8	20	S	16	S	5	25	S	6
5000	S	3	30	M	2	27	S	27	S	4	27	S	32	S	15	S	26	S	10	20	S	16	
6000	S	7	23	S	9	20	S	27	S	9	20	S	32	S	96	9	S	26	S	22	13	S	16
7000	S	17	16	S	22	13	S	28	S	13	S	27	S	4	S	18	S	95	7	S	11		
10000	S		1																				

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I					
Hz	%	dB	%	dB	%	dB	dB	%	%	dB	%	dB	dB	%	dB	%	dB						
50	M	48	33	M	17	40	M	17	M	17	46	M	15	S	43	26	M	7	M	17	35	M	
100	S	46	40	S	11	40	M	1	S	27	45	M	1	M	16	26	M	7	S	29	36	M	
200	M	17	53	M	13	44	M	1	M	13	39	M	2	S	23	26	S	-6	S	22	31	S	
500	S	28	53	M	1	38	M	12	S	3	32	S	22	M	5	20	S	16	S	5	25	S	
1000	S	22	41	S	4	27	S	22	S	4	27	S	22	S	15	S	26	S	9	20	S	16	
2000	M	17	38	S	8	21	S	27	S	9	21	S	27	S	96	9	S	26	S	20	13	S	16
5000	S	15	17	S	14	S	27	S	14	S	27	S	27	S	89	5	S	21	S	90	7	S	11
7000	S		11																				
10000	S		0																				

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB
50	S	20													
100	S	4	29	S	27	S	37	S	26	S	32	S	19	S	16
200	S	4	29	S	9	S	26	S	32	S	26	S	20	S	16
500	S	4	29	S	26	S	37	S	26	S	32	S	20	S	16
1000	S	4	29	S	27	S	37	S	5	S	32	S	19	S	16
2000	S	6	30	S	19	S	28	S	6	S	28	S	18	S	16
5000	S	3	30	S	4	S	27	S	4	S	27	S	17	S	16
6000	S	6	24	S	8	S	22	S	8	S	22	S	10	S	26
7000	S	12	18	M	16	S	27	S	16	S	32	S	82	S	26
8000	S		10												
9000	S		7												
10000	S		0												

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB
50	M	64	35												
100	S	36	40	S	20	S	20	S	19	S	18	S	19	S	-9
200	S	18	38	S	16	S	35	S	17	S	16	S	16	S	28
500	S	16	38	S	18	S	35	S	15	S	18	S	25	S	27
1000	S	18	38	S	14	S	36	S	17	S	14	S	16	S	27
2000	S	14	39	S	2	S	34	S	22	S	2	S	9	S	-2
5000	S	2	36	S	4	S	28	S	27	S	4	S	29	S	16
6000	S	3	30	S	8	S	21	S	27	S	9	S	92	S	26
7000	S	6	23	M	22	S	13	S	32	S	13	S	82	S	23
8000	S	15	16												
9000	S		10												
10000	S		1												

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB
50	S	91	39												
100	S	87	42	S	22	S	36	S	11	S	22	S	26	S	-9
200	S	61	42	S	2	S	33	S	22	S	2	S	8	S	28
500	S	81	43	S	4	S	28	S	27	S	4	S	30	S	26
1000	S	44	40	S	8	S	21	S	27	S	9	S	95	S	16
2000	S	21	38	S	22	S	36	S	11	S	22	S	21	S	23
5000	S	2	36	S	2	S	33	S	22	S	2	S	30	S	26
6000	S	3	30	S	4	S	28	S	27	S	4	S	95	S	26
7000	S	7	23	S	8	S	21	S	27	S	9	S	95	S	21
8000	S	14	17	S	86	S	27	S	86	S	28	S	81	S	21
9000	S		82												
10000	S		0												

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	S	16	21	S	18	20	S	22	S	18	20	S	22	S	93	9	S	11	S	25	14
100	S	12	31	S	12	30	M		S	12	30	S		S	15	19	S	1	S	13	24
200	S	8	30	S	9	29	S	22	S	9	29	S	22	S	15	18	S	6	S	10	23
500	S	7	30	S	7	29	S	17	S	7	28	S	22	S	15	17	S	6	S	10	23
1000	S	7	30	S	7	29	S	17	S	7	29	S	22	S	14	18	S	6	S	9	23
2000	S	9	31	S	9	30	S	12	S	9	30	S	17	S	14	19	S	6	S	10	24
5000	S	3	30	S	4	29	S	22	S	4	29	S	22	S	12	18	S	16	S	7	23
6000	S	6	24	S	7	23	S	27	S	7	23	S	27	S	31	12	S	16	S	15	17
7000	S	11	18	S	14	17	S	27	S	14	17	S	27	S	92	8	S	18	S	31	11
8000	S		10																		
9000	S		6																		
10000	S		0																		

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	M	8	32	M	10	30	M	27	M	9	30	S	22	M	19	19	M	11	M	11	25
100	S	32	40																		
200	S	16	41	S	16	39	M	7	S	16	39	S		S	12	27	S		S	16	33
500	S	15	40	S	15	39	S		S	15	39	M		S	12	27	S		S	15	33
1000	S	13	40	S	13	39	M		S	13	39	S	8	S	11	27	S	-9	S	13	33
2000	S	11	39	M	5	37	M	8	S	14	37	S		S	13	26	S	-2	S	11	31
5000	S	2	33	S	2	32	S	22	S	2	32	S	22	S	10	21	S	16	S	5	26
6000	S	3	28	S	4	26	S	27	S	4	26	S	32	S	15	26	S	26	S	12	21
7000	S	6	21	S	8	20	S	27	S	8	20	S	32	S	85	11	S	26	S	24	14
8000	S	16	13	S	12	S	30	S	S	12	S	29	S	S	84	5	S	21	S	97	7
9000	S		9																		
10000	S		0																		

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	M	24	35	M	31	32	M		M	31	32	M		M	39	19	M		M	29	25
100	S	37	37																		
200	S	29	42	M	10	37	M		M	10	41	M	2	S	39	28	S	12	S	33	35
500	S	25	42	M	8	37	M		M	8	38	M	1	S	35	28	S	13	S	29	34
1000	S	22	41	M	9	37	M		M	9	40	M	3	S	32	27	S	13	S	25	33
2000	S	14	38	S	18	37	M	13	M	12	38	M	12	S	21	25	S	11	S	16	30
5000	S	2	33	S	2	32	S	22	S	2	32	S	22	S	9	21	S	16	S	5	26
6000	S	3	28	M	3	28	M	22	M	3	26	S	22	S	15	26	S	26	S	12	21
7000	S	6	21	S	8	20	S	27	S	8	20	S	32	S	86	11	S	26	S	23	14
8000	S	15	13	M	14	S	29	M	M	12	S	29	S	S	81	6	S	21	S	97	7
9000	S		8																		
10000	S		0																		

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U		
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB			
50	S		10																																	
100	S		15																																	
200	S		12																																	
500	S		10																																	
1000	S		13																																	
2000	S		19																																	
5000	S		26																																	
6000	S		22																																	
7000	S		16																																	
8000	S		10																																	
9000	S		6																																	
10000	S		0																																	

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																						
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	dB	
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB		
50	M		25																																
100	M		31																																
200	S		28																																
500	S		29																																
1000	S		28																																
2000	S		29																																
5000	S		32																																
6000	S		28																																
7000	S		21																																
8000	S		15																																
9000	S		9																																
10000	S		0																																

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																						
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	dB	
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB		
50	M		34																																
100	M		39																																
200	M		36																																
500	S		35																																
1000	S		34																																
2000	S		32																																
5000	S		33																																
6000	S		28																																
7000	S		20																																
8000	S		13																																
9000	S		8																																
10000	S		0																																

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
Hz	%	dB	%	dB	%	dB	%	dB	%	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB		
50	S	15	19	S	16	17	S	23	S	19	17	S	26	S	6	S	15	S	33	11	S	11	
100	S	6	28	S	8	27	S	27	S	9	27	S	32	S	24	15	S	16	S	11	21	S	6
200	S	6	27	S	7	26	S	32	S	8	26	S	32	S	24	14	S	16	S	12	20	S	11
500	S	5	26	S	6	25	M	15	S	6	25	S	22	S	25	13	S	16	S	12	19	S	11
1000	S	5	27	S	6	26	S	22	S	6	26	S	22	S	24	14	S	16	S	11	20	S	6
2000	S	8	27	S	9	26	S	22	S	8	26	S	22	S	25	14	S	16	S	12	20	S	6
5000	S	4	28	S	5	26	S	27	S	5	26	S	22	S	17	15	S	16	S	10	20	S	16
6000	S	7	23	S	8	21	S	27	S	8	21	S	27	S	89	10	S	26	S	18	15	S	16
7000	S	14	17	S	16	16	S	23	S	16	16	S	22	S	88	7	S	21	S	68	10	S	10
8000	S		10																				
9000	S		6																				
10000	S		0																				

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
Hz	%	dB	%	dB	%	dB	%	dB	%	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	
50	S	41	29	M	14	36	M	22	M	14	39	M	20	S	23	23	S	M	13	30	M	-	
100	M	13	38	M	4	35	M	9	S	18	36	S	27	S	18	23	S	-2	S	14	29	S	-6
200	S	14	37	M	16	34	S	29	S	13	34	S	27	S	17	22	S	3	S	13	28	S	1
500	S	11	36	S	17	35	M		S	15	34	S	24	S	18	22	S	1	S	15	28	S	-4
1000	S	13	36	S	24	33	M		S	11	36	M		S	24	21	S	-4	S	23	27	S	-9
2000	S	22	34	S	1	33	M		S	3	31	S	22	S	10	20	S	16	S	6	25	S	6
5000	S	3	33	S	3	28	M	20	S	4	26	S	32	S	15	15	S	26	S	13	20	S	16
6000	S	3	27	S	9	19	S	27	S	9	19	S	32	S	85	10	S	26	S	24	13	S	16
7000	S	7	21	S	12	S	30	S	S	12	S	32	S	S	80	5	S	23	S	97	7	S	16
8000	S	15	14																				
9000	S		8																				
10000	S		0																				

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
Hz	%	dB	%	dB	%	dB	%	dB	%	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	
50	M	37	33	M	18	39	M	20	M	18	40	M	20	M	24	24	M	5	M	18	31	M	-9
100	M	17	41	M	13	38	M	27	M	12	41	M	22	S	18	24	S	-2	S	17	31	M	6
200	M	11	40	S	24	38	M	6	M	7	39	M	5	S	17	24	S	-5	S	15	30	S	
500	S	17	37	M	9	38	M	5	M	9	37	M	5	S	19	24	S	-5	S	17	29	S	
1000	S	18	37	M	14	34	M	4	M	14	34	M	4	S	24	22	S	-4	S	23	27	S	-9
2000	S	22	35	S	3	31	M	17	S	3	31	S	22	S	16	19	S	16	S	9	25	S	16
5000	S	3	32	S	5	26	S	27	S	5	26	S	32	S	15	15	S	26	S	16	20	S	16
6000	S	3	27	S	9	20	S	27	S	9	20	S	27	S	83	10	S	26	S	26	13	S	16
7000	S	7	21	S	12	S	27	S	S	12	S	27	S	S	79	5	S	21	S	97	7	S	13
8000	S	16	14																				
9000	S		8																				
10000	S		0																				

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left==right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET											
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I						
Hz	%	%	dB	%	%	dB	%	dB	%	%	dB	%	%	%	%	%	dB							
50	S	11	19	S	18	S	35	S	18	S	32	S	6	S	26	S	31	S	16					
100	S	5	29	S	27	S	32	S	27	S	32	S	19	S	15	S	16	S	11	20	S	6		
200	S	4	28	S	26	S	32	S	26	S	32	S	20	S	14	S	16	S	11	19	S	16		
500	S	4	28	S	26	S	32	S	26	S	32	S	21	S	14	S	16	S	11	19	S	16		
1000	S	4	28	S	27	S	27	S	27	S	32	S	19	S	14	S	16	S	11	20	S	16		
2000	S	6	29	S	7	27	S	22	S	6	27	S	22	S	18	S	16	S	10	20	S	6		
5000	S	4	29	S	5	27	S	22	S	4	27	S	22	S	16	S	15	S	16	S	10	20	S	16
6000	S	7	24	S	8	22	S	27	S	8	22	S	32	S	10	S	21	S	21	15	S	16		
7000	S	13	17	S	19	16	S	27	S	16	S	32	S	82	S	6	S	21	S	86	9	S	16	
8000	S		9																					
9000	S		6																					
10000	S		0																					

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I					
Hz	%	%	dB	%	%	dB	%	dB	%	%	dB	%	%	%	%	%	dB						
50	M		27																				
100	S	15	36	M		34	S	22	S	34	S	19	S	17	S	22	S	-4	S	15	26	S	-9
200	S	10	36	S	12	34	S	25	S	10	34	S	17	S	12	22	S	1	S	11	27	S	-4
500	S	8	36	S	9	34	S	22	S	8	35	S	17	S	11	22	S	6	S	9	27	S	-4
1000	S	8	36	S	8	35	S	22	S	8	34	S	12	S	11	22	S	6	S	8	27	S	-4
2000	S	13	36	S	13	34	S	17	S	13	35	S	12	S	15	22	S	-4	S	13	27	S	-9
5000	S	3	35	S	3	33	S	17	S	3	33	S	22	S	9	21	S	6	S	5	26	S	6
6000	S	4	29	S	5	27	S	22	S	5	27	S	22	S	16	S	26	S	14	20	S	16	
7000	S	7	24	S	9	22	S	27	S	8	22	S	32	S	71	13	S	26	S	15	S	16	
8000	S		14																				
9000	S		12																				
10000	S		0																				

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I					
Hz	%	%	dB	%	%	dB	%	dB	%	%	dB	%	%	%	%	%	dB						
50	M		29																				
100	S	20	37	S		35	S	20	S	21	35	S		S	21	23	S	-6	S	21	28	S	
200	S	14	37	S	15	36	S	22	M	15	36	S	16	S	15	23	S	-4	S	14	28	S	-9
500	S	11	37	S	11	23	S	21	S	11	36	S	12	S	12	23	S	-4	S	11	28	S	-9
1000	S	10	38	S	11	36	S	17	S	10	36	S	12	S	12	24	S	-4	S	11	28	S	-9
2000	S	16	37	S	16	36	S	15	S	16	36	S	12	S	17	23	S	-6	S	16	28	S	-9
5000	S	3	36	S	4	34	S	17	S	3	34	S	12	M	13	17	S	6	S	7	27	S	6
6000	S	4	29	S	5	27	S	22	S	5	27	S	22	S	17	23	S	26	S	14	20	S	16
7000	S	6	25	S	8	23	S	27	S	7	23	S	32	S	71	14	S	36	S	24	16	S	16
8000	S	19	15	S	14	S	27	S	30	14	S	27	S	S	55	10	S	26	S	96	8	S	16
9000	S		13																				
10000	S		0																				

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																					
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	dB	dB	dB	dB	dB	dB	
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		dB		dB				
50	S	19	25	S	20	23	S	22		S	21	24	S	22		S	9	S	11		S	19	25	S	-9									
100	S	13	36	S	13	34	M			S	13	34	S	17		S	17	19	S	1		S	12	35	S									
200	S	8	36	S	13	34	S	27		S	8	34	S	22		S	14	19	S	6		S	8	35	S									
500	S	7	35	S	10	31	S	25		S	7	33	S	22		S	14	18	S	6		S	7	35	S									
1000	S	7	36	S	10	34	S	22		S	7	34	S	17		S	13	19	S	6		S	7	36	S	-9								
2000	S	12	38	S	18	34	M			S	13	36	S	12		S	14	21	S	1		S	13	37	S									
5000	S	2	39	S	2	38	S	17		S	2	37	S	22		S	7	22	S	16		S	3	38	S	-4								
6000	S	2	28	S	4	27	S	27		S	3	33	S	32		S	22	18	S	26		S	6	34	S	6								
7000	S	4	27	S	11	24	S	37		S	8	25	S	32		S	95	11	S	26		S	10	26	S	6								
8000	S	11	20	S	17	S	38		S	17	S	32		S	95	6	S	21		S	16	18	S	3										
9000	S	13																																
10000	S	0																																

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	dB	dB	dB	dB	dB	dB				
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		dB		dB							
50	M	50	40	M	11	43	M			M	14	42	M	58		M	16	20	M		M	13	37	M	-9												
100	M	10	39	M	8	38	S			M	7	38	M	22		M	8	21	M	6		M	7	39	M	-4											
200	M	6	40	M	3	37	M	22		M	3	37	M	22		M	5	21	M	6		M	4	38	M	6											
500	M	3	39	M	3	42	M			M	3	36	M	42		M	15	21	S			S	19	36	M												
1000	S	20	37	S	20	42	S	20		S	20	40	S	19		S	25	20	S	5		S	18	36	S												
2000	S	17	38	S	14	31	M	42		M	14	31	M	42		M	21	26	M	26		M	3	29	M	6											
5000	M	1	42	M	7	36	M	37		M	7	36	M	42		M	18	26	M	36		M	5	22	M	6											
6000	M	2	38	M	14	31	M	42		M	14	31	M	42		M	18	26	M	36		M	5	22	M	6											
7000	S	3	23	S	7	22	S	32		S	7	22	S	32		S	95	14	S	26		S	12	18	S	16											
8000	S	6	18	S	13	17	S	37		S	12	18	S	32		S	80	15	S	36		S	20	12	S	16											
9000	S	13	12	S	22	25	S	32		S	22	21	S	32		S	74	10	S	28		S	27	8	S	8											
10000	S	0																																			

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	dB	dB	dB	dB	dB	dB						
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		dB		dB									
50	M	50	46	M	12	41	M			M	15	43	M			M	17	20	M	1		M	11	38	M	-9													
100	M	10	39	M	8	40	M	27		M	7	38	M	32		M	8	21	M	1		M	5	40	M	-4													
200	M	5	40	M	3	40	M	27		M	3	38	M	22		M	5	21	M	6		M	3	39	M	6													
500	M	2	40	M	3	40	M	27		M	3	37	M	22		M	21	26	M	6		M	3	38	M	6													
1000	M	3	39	M	3	37	M	22		M	3	37	M	22		S	22	20	S	-6		S	22	37	S														
2000	S	21	38	S	20	45	S	12		S	20	40	S	12		S	22	20	S	-6		S	22	37	S														
5000	M	1	41	M	7	35	M	42		M	7	35	M	42		M	20	26	M	26		M	3	25	M	6													
6000	M	2	38	M	14	32	M	42		M	14	32	M	42		M	18	36	M	36		M	5	21	M	6													
7000	S	3	23	S	8	22	S	37		S	8	22	S	42		S	16	36	S	36		S	7	17	S	6													
8000	S	6	18	S	18	19	S	37		S	18	19	S	42		S	73	14	S	36		S	21	12	S	16													
9000	S	12	13	S	29	18	S	37		S	28	24	S	37		S	60	13	S	31		S	31	9	S	11													
10000	S	0																																					

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET				
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	
Hz	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB
50	S	23															
100	S	26															
200	S	17															
500	S	13															
1000	S	15															
2000	S	16															
5000	S	12															
6000	S	12															
7000	S	14															
8000	S	6															
9000	S	4															
10000	S	0															

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET				
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	
Hz	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB
50	S	27															
100	S	31															
200	S	23															
500	S	20															
1000	S	22															
2000	S	24															
5000	S	33															
6000	M	36															
7000	M	89															
8000	M	92															
9000	M	17															
10000	S	0															

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET				
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	
Hz	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB
50	S	28															
100	S	32															
200	S	25															
500	S	22															
1000	S	33															
2000	S	37															
5000	M	33															
6000	M	33															
7000	M	30															
8000	M	94															
9000	M	11															
10000	S	0															

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

90% MODULATION

125% MODULATION

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

90% MODULATION

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE				25 Hz OFFSET				15 Hz OFFSET				-10 kHz OFFSET				+10 kHz OFFSET			
	Hz	DS	S/N	%	@ 26 dB D/U				@ 26 dB D/U				@ 0 dB D/U				@ 0 dB D/U			
					*	DS	S/N	* S/I	*	DS	S/N	* S/I	*	DS	S/N	* S/I	*	DS	S/N	* S/I
50	M	93	37																	
100	M	75	43																	
200	M	60	41																	
500	M	61	42																	
1000	M	53	38																	
2000	S	63	43																	
5000	S	6			S	9	24	S	32	S	9	23	S	32	M		17	S	16	S
6000	M	6	23		S	12	22	M	47	M	13	22	M	47	M		18	M	46	M
7000	M	6	90		M	22	25	M	47	M	19	20	M	45	M	73	17	M	46	M
8000	S	9	91		S	36	84	S	37	S	22	86	S	37	M	43	14	S	31	S
9000	S	16	87		S		84	S	37	S		85	S	42	M	37	16	S	33	S
10000	S		1															92	89	S

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
	Hz	%	dB	DS	%	dB	dB	DS	%	dB	DS	%	dB	DS	%	dB	DS	%	dB	DS	%	dB	DS	%	dB	DS	%	dB	
50	S		19	S	10	28	S	22	S	10	28	S	17	S	14	19	S	6	S	11	23	S	1						
100	S	9	29	S	7	27	S	22	S	7	28	S	17	S	14	18	S	6	S	10	22	S	6						
200	S	7	29	S	6	27	M	17	S	7	27	S	22	S	14	17	S	16	S	9	22	S	6						
500	S	6	28	S	6	27	S	17	S	6	27	S	22	S	14	18	S	11	S	9	23	S	6						
1000	S	6	28	S	6	27	S	17	S	7	28	S	17	S	13	19	S	6	S	9	23	S	1						
2000	S	7	29	S	7	28	S	17	S	7	28	S	17	S	12	17	S	16	S	8	22	S	6						
5000	S	4	28	S	4	27	S	22	S	4	27	S	22	S	29	12	S	16	S	17	16	S	6						
6000	S	8	22	S	9	21	S	22	S	9	21	S	22	S	96	7	S	16	S	47	10	S	8						
7000	S	16	16	S	15	S	22	S	18	15	S	24	S																
8000	S		8																										
9000	S		5																										
10000	S		0																										

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																	
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I			
	Hz	%	dB	DS	%	dB	dB	DS	%	dB	DS	%	dB	DS	%	dB	DS	%	dB	DS	%	dB	DS	%	dB	DS	%	dB		
50	M	5	28	M	9	25	M	32	M	8	28	M	32	M	20	18	M	16	M	11	22	M	6							
100	S	15	35	S	5	35	S	12	S	15	34	S	12	S	13	25	S		S	15	29	S	-9							
200	S	14	37	S	14	36	M		S	14	36	S	8	S	12	26	S		S	14	31	S								
500	S	12	38	S	12	37	M		S	12	37	S	5	S	11	26	S		S	13	31	S								
1000	S	12	38	S	12	37	S		S	12	37	S	6	S	10	27	S		S	12	32	S								
2000	S	12	37	S	12	36	M		S	12	36	S	8	S	11	25	S	-9	S	13	30	S								
5000	S	3	31	S	3	30	S	22	S	3	30	S	22	S	9	21	S	16	S	5	25	S	6							
6000	S	5	25	S	6	24	S	22	S	6	24	S	22	S	24	15	S	16	S	12	19	S	16							
7000	S	12	18	S	13	17	S	22	S	14	17	S	24	S	96	9	S	16	S	26	12	S	8							
8000	S		10																											
9000	S		6																											
10000	S		0																											

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
	Hz	%	dB	DS	%	dB	dB	DS	%	dB	DS	%	dB	DS	%	dB	DS	%	dB	DS	%	dB	DS	%	dB				
50	M	37	35	S	20	36	M	3	S	19	36	M	2	S	27	27	S		S	29	32	S							
100	S	34	36	S	47	39	S		S	3	30	M	15	S	9	21	S	16	S	5	24	S	6						
200	S	39	37	S	39	37	S		S	5	24	S	22	S	25	15	S	16	S	10	19	S	6						
500	S	39	34	S	3	31	S	12	S	12	17	S	22	S	95	9	S	16	S	23	12	S	8						
1000	S	11	19	S	12	17	S	22	S	12	17	S	22	S															
2000	S		12																										
5000	S		6																										
6000	S		0																										

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

90% MODULATION

125% MODULATION

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I			
	%	dB		%	dB	%	dB		%	dB	%	dB		%	dB	%	dB				
50	S	18	16	S	21	15	M	12	S	21	15	S	S	6	S	11	S	6			
100	S	7	26	S	9	25	S	27	S	8	25	S	S	20	16	S	11	S	6		
200	S	7	26	S	9	25	S	27	S	8	25	S	S	20	15	S	12	S	6		
500	S	6	25	S	7	24	S	22	S	7	24	S	S	21	14	S	12	S	6		
1000	S	5	25	S	7	24	S	22	S	7	24	S	S	20	14	S	11	S	6		
2000	S	7	26	S	8	25	M	10	S	8	25	S	S	20	15	S	11	S	6		
5000	S	5	26	S	6	25	S	22	S	6	25	S	S	16	15	S	10	S	6		
6000	S	9	21	S	10	20	M	15	S	10	20	S	S	11	S	16	S	20	S	11	
7000	S	18	15	S	20	14	S	22	S	20	14	S	S	94	6	S	15	S	9	S	8
8000	S	8																			
9000	S	4																			
10000	S	0																			

90% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I		
	%	dB		%	dB	%	dB		%	dB	%	dB		%	dB	%	dB			
50	M	36	29	M	14	34	M	20	M	14	34	M	S	39	23	S	M	13	28	M
100	M	13	35	M	20	36	M	13	S	15	36	S	S	14	25	S	S	11	34	M
200	S	10	41	S	16	36	M	10	S	14	36	S	S	14	25	S	S	10	30	S
500	S	9	37	S	16	36	M	10	S	13	35	S	S	13	25	S	S	11	30	S
1000	S	10	36	M	6	39	M	10	S	11	34	S	S	13	24	S	S	11	30	S
2000	S	9	35	S	11	34	S	27	S	11	34	S	S	13	24	S	S	10	29	S
5000	S	3	31	S	3	30	S	17	S	3	30	S	S	8	21	S	S	5	25	S
6000	S	5	26	S	5	25	S	22	S	5	25	S	S	26	15	S	S	10	20	S
7000	S	11	18	S	12	17	S	22	S	13	17	S	S	95	9	S	S	24	12	S
8000	S	11																		
9000	S	6																		
10000	S	0																		

125% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I		
	%	dB		%	dB	%	dB		%	dB	%	dB		%	dB	%	dB			
50	M	47	34	M	17	37	M	17	M	17	41	M	S	42	26	M	M	18	35	M
100	S	45	35	M	12	41	M	-2	S	27	37	M	S	16	26	M	S	30	35	S
200	M	17	43	M	13	37	M	1	M	13	36	M	S	22	29	M	S	21	31	S
500	S	21	37	M	17	34	M	12	M	17	34	M	S	24	24	S	M	18	29	M
1000	S	17	43	S	3	30	S	22	S	3	30	S	S	8	21	S	S	5	25	S
2000	S	5	26	S	5	25	S	22	S	5	25	S	S	25	16	S	S	10	20	S
5000	S	11	19	S	12	18	S	22	S	11	18	S	S	94	9	S	S	22	13	S
6000	S	12																		
7000	S	7																		
8000	S	0																		

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET									
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	
50	S	16								S	25	S	32	S	18	15	S	11	19	S	6	
100	S	6	25	S	9	5	S	27	S	S	24	S	32	S	19	15	S	12	19	S	6	
200	S	6	25	S		24	S	32	S	S	24	S	27	S	19	14	S	12	18	S	6	
500	S	6	25	S		24	S	22	S	S	24	S	32	S	18	15	S	11	19	S	6	
1000	S	6	25	S		24	S	22	S	S	25	S	22	S	17	16	S	10	20	S	6	
2000	S	6	26	S		25	S	27	S	S	7	25	S	22	S	17	16	S	11	19	S	6
5000	S	5	25	S	6	25	S	22	S	S	6	25	S	22	S	17	16	S	23	14	S	8
6000	S	11	20	S	12	13	S	22	S	S	12	19	S	22	S	91	10	S	16			
7000	S	22	14	S		13	S	23	S	S	13	S	26	S	86	6	S	16				
8000	S		6																	8	S	11
9000	S		4																			
10000	S		0																			

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB		
50	M	65	27							S	26	29	S	16	S	24	24	S	25	29	S		
100	S	25	35	S	26	29	S	16	S	S	26	34	S	15	S	24	24	S	25	29	S		
200	S	16	34	S	17	23	S	20	S	S	16	33	S	18	S	16	23	S	-9	S	16	27	S
500	S	14	34	S	15	32	S	17	S	S	15	33	S	21	S	15	23	S	-6	S	15	27	S
1000	S	15	34	S	16	32	S	15	S	S	16	32	S	16	S	16	23	S	-9	S	16	27	S
2000	S	12	34	S	13	33	S	17	S	S	13	33	S	14	S	14	24	S	-2	S	13	28	S
5000	S	2	32	S	3	31	M	17	S	S	3	31	S	22	S	8	21	S	16	S	5	25	S
6000	S	5	26	S	5	25	S	22	S	S	5	25	S	22	S	23	15	S	16	S	11	20	S
7000	S	11	19	S	13	18	S	22	S	S	13	18	S	22	S	9	S	16	S	25	12	S	11
8000	S		11																				
9000	S		6																				
10000	S		1																				

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB		
50	S	94	35							S	21	33	S	20	S	24	24	S	21	28	S	-9	
100	S	86	38							S	21	33	S	27	S	8	21	S	16	25	S	6	
200	S	60	38							S	3	31	S	22	S	24	16	S	11	20	S	6	
500	S		38							S	5	25	S	22	S	9	S	16	S	25	S	8	
1000	S	43	36							S	12	18	S	22	S								
2000	S	20	34	S	21	33	S	20	S	S	21	33	S	27	S	24	24	S	1	S	21	28	S
5000	S	2	32	M	2	31	S	22	S	S	3	31	S	22	S	8	21	S	16	S	5	25	S
6000	S	5	26	S	5	25	S	22	S	S	5	25	S	22	S	24	16	S	16	S	11	20	S
7000	S	11	19	S	13	18	S	22	S	S	12	18	S	22	S	9	S	16	S	25	13	S	8
8000	S		12																				
9000	S		7																				
10000	S		0																				

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET						
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I	
Hz	%	dB	%	dB	%	dB	dB	%	dB	%	dB	dB	%	dB	%	dB	dB		
50	S	16	19	M	17	18	S	20	S	17	18	S	20	S	74	10	S	8	
100	S	10	29	S	10	28	S	17	S	10	28	S	17	S	14	19	S	3	
200	S	7	28	S	7	27	M	17	S	7	27	S	17	S	13	19	S	6	
500	S	6	28	S	7	27	M	17	S	7	27	S	22	S	14	18	S	6	
1000	S	6	28	S	6	27	S	17	S	7	27	S	22	S	13	18	S	6	
2000	S	7	29	S	8	28	M	13	S	8	28	S	22	S	12	19	S	6	
5000	S	4	28	S	4	27	S	22	S	4	27	S	22	S	12	18	S	16	
6000	S	8	22	S	9	21	S	22	S	9	21	S	22	S	28	12	S	16	
7000	S	16	16	S	15	S	22	S	S	15	S	22	S	S	96	7	S	15	
8000	S	8													S	51	11	S	6
9000	S	5																	
10000	S	0																	

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET						
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I	
Hz	%	dB	%	dB	%	dB	dB	%	dB	%	dB	dB	%	dB	%	dB	dB		
50	M	7	29	M	9	26	M	27	M	9	32	M	27	M	18	19	M	16	
100	S	29	38	M	5	32	M		M	5	32	M		S	32	27	S	-4	
200	S	13	38	S	13	37	M	9	S	13	37	M		S	11	27	S	-9	
500	S	13	38	S	13	37	S		S	13	37	S		S	10	27	S		
1000	S	11	38	S	11	37	M		S	11	37	M	5	S	9	27	S		
2000	S	8	37	S	8	36	S	17	S	8	36	S	17	S	11	26	S	-2	
5000	S	2	31	M	2	32	M	17	S	3	30	S	22	S	9	22	S	16	
6000	S	5	25	S	6	24	S	22	S	5	24	S	22	S	26	16	S	16	
7000	S	10	19	S	12	18	S	22	M	10	18	S	22	S	93	10	S	21	
8000	S	11													S	25	13	S	11
9000	S	6																	
10000	S	0																	

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET						
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I	
Hz	%	dB	%	dB	%	dB	dB	%	dB	%	dB	dB	%	dB	%	dB	dB		
50	M	24	31	M	31	30	M		M	31	30	M		M	38	19	M		
100	S	35	34											M	30	25	M	32	
200	S	27	40	M	10	35	M	4	M	10	35	M		S	35	28	S	11	
500	S	24	40	M	8	39	M		M	8	35	M		S	32	28	S	11	
1000	S	21	39	M	10	34	M		M	10	36	M		S	30	27	S	13	
2000	S	14	36	S	17	35	M	14	S	12	36	M	13	S	21	25	S	11	
5000	S	2	31	S	3	30	S	22	M	2	30	M	17	M	7	21	S	16	
6000	S	4	25	S	5	25	S	22	M	4	25	M	17	M	20	16	S	16	
7000	S	10	19	S	11	18	S	22	M	10	18	M	20	M	10	S	16		
8000	S	11												S	25	13	S	11	
9000	S	6																	
10000	S	0																	

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
	Hz	%	dB	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB
50	S	6														
100	S	11														
200	S	8														
500	S	6														
1000	S	9														
2000	S	15														
5000	S	22														
6000	S	18														
7000	S	12														
8000	S	7														
9000	S	4														
10000	S	0														

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
	Hz	%	dB	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB
50	M	22														
100	S	27														
200	S	24														
500	S	24														
1000	S	24														
2000	S	26														
5000	S	29														
6000	S	25														
7000	S	18														
8000	S	12														
9000	M	7														
10000	S	0														

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
	Hz	%	dB	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB
50	M	30														
100	M	36														
200	M	32														
500	S	31														
1000	S	30														
2000	S	29														
5000	S	30														
6000	S	24														
7000	S	15														
8000	M	10														
9000	M	6														
10000	S	0														

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left=right modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET									
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
Hz	%	dB	%	dB	%	dB	%	dB	%	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	
50	S	19	16	S	20	15	S	21		S	22	15	S	24	S	6	S	11	S	10	S	
100	S	6	26	S	9	25	S	27		S	8	25	S	32	S	20	S	15	S	16	S	
200	S	7	25	M	4	24	S	24		S	8	24	S	22	S	20	S	15	S	16	S	
500	S	6	24	M	4	27	M	10		S	7	24	S	22	S	21	S	14	S	16	S	
1000	S	6	25	S	7	24	S	22		S	7	24	S	22	S	20	S	14	S	16	S	
2000	S	7	25	S	4	24	S	22		S	8	25	S	22	S	21	S	15	S	11	S	
5000	S	5	25	S	6	25	S	22		S	6	25	S	22	S	18	S	15	S	16	S	
6000	S	10	20	S	11	19	M	15		S	11	19	S	22	S	78	S	10	S	16	S	
7000	S	20	14	S	21	14	S	20		S	21	14	S	22	S	91	S	6	S	14	S	
8000	S		7																	80	9	S
9000	S		4																			6
10000	S		0																			0

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET									
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
Hz	%	dB	%	dB	%	dB	%	dB	%	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	
50	S	35	25																			
100	M	14	35	M	14	37	M	20		M	14	37	M	20	S	22	M	24	M	13	S	
200	S	13	34	S	23	33	M			S	13	34	S		S	17	S	23	S	-2	S	
500	S	11	33	S	12	32	S	30		S	12	32	S	27	S	16	S	23	S	1	S	
1000	S	12	33	S	15	32	M	6		S	15	33	S	27	S	17	S	23	S	1	S	
2000	S	24	32	S	25	31	M	1		S	25	31	M		S	23	S	22	S	24	S	
5000	S	3	30	S	3	29	S	22		S	3	29	S	22	S	11	S	20	S	16	S	
6000	S	5	25	M	4	26	M			S	6	24	S	22	S	52	S	15	S	16	S	
7000	S	11	18	S	12	17	S	22		S	12	18	S	22	S	93	S	9	S	16	S	
8000	S		11																	26	13	S
9000	S		6																		11	
10000	S		0																			

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB	%	dB	%	dB	%	dB	%	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50	M	36	30																		
100	M	17	38	M	18	37	M	22		M	18	37	M	22	M	23	M	24	M	18	S
200	M	11	37	M	12	36	M	22		M	12	39	M	22	S	18	S	25	S	17	S
500	S	16	35	M	7	38	M			S	18	34	S	24	S	17	S	24	S	-5	S
1000	S	18	34	M	9	35	M	5		M	9	37	M	4	S	18	S	24	S	-9	S
2000	S	26	32	M	14	33	M			S	14	33	S		S	23	S	23	S	26	S
5000	S	4	29	S	4	29	S	22		S	2	29	M	12	M	9	S	20	S	16	S
6000	S	6	24	S	7	24	S	22		S	7	24	S	22	S	14	S	21	S	16	S
7000	S	12	18	S	13	17	S	22		S	13	17	S	22	S	92	S	9	S	16	S
8000	S		11																	12	S
9000	S		6																	8	
10000	S		0																		

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz		%	dB		%	dB		%	dB		%	dB		%	dB
50	S	15	16	S	3	27	S	16	27	S	7	13	S	32	10
100	S	6	25	S	25	32	S	25	32	S	18	15	S	11	19
200	S	6	25	S	9	24	S	24	32	S	19	15	S	12	19
500	S	6	25	S	24	27	S	24	32	S	20	14	S	12	18
1000	S	6	25	S	25	22	S	25	22	S	18	15	S	11	19
2000	S	6	26	S	25	22	S	25	22	S	17	16	S	10	20
5000	S	5	25	S	6	25	S	6	25	S	17	15	S	11	19
6000	S	10	20	S	12	19	S	12	19	S	91	10	S	23	14
7000	S	22	14	S	13	20	S	13	21	S	86	6	S	94	8
8000	S		6												
9000	S		4												
10000	S		0												

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz		%	dB		%	dB		%	dB		%	dB		%	dB
50	M		10	S			S			S			S		
100	S	15	33	S	32	22	S	32	22	S	16	22	S	-4	S
200	S	10	33	S	11	32	S	27	S	S	12	22	S	1	S
500	S	8	33	S	8	32	S	22	S	S	10	22	S	6	S
1000	S	7	33	S	8	32	S	17	S	S	10	23	S	1	S
2000	S	11	33	S	11	36	S	17	S	S	13	23	S	1	S
5000	S	3	32	M	5	28	S	17	M	S	9	21	S	6	S
6000	S	7	25	S	7	24	S	22	S	S	15	21	S	16	S
7000	S	11	20	S	15	19	S	22	S	S	78	12	S	26	S
8000	S		11												
9000	S		8												
10000	S		1												

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz		%	dB		%	dB		%	dB		%	dB		%	dB
50	M		12	M			S			S			S		
100	S	20	34	S	33	18	S	33	19	S	21	23	S	-8	S
200	S	14	34	S	15	33	S	22	S	S	15	23	S	-4	S
500	S	10	34	S	11	33	S	17	S	S	12	24	S	-4	S
1000	S	10	35	S	10	34	S	17	S	S	11	24	S	1	S
2000	S	14	34	S	14	34	S	12	S	S	16	24	S	-4	S
5000	S	4	32	S	4	31	S	17	M	S	8	22	S	6	M
6000	S	6	25	S	7	25	S	22	M	S	16	24	S	26	S
7000	S	10	21	S	11	20	S	22	M	S	78	13	S	21	S
8000	S		11												
9000	S		9												
10000	S		0												

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz		%	dB		%	dB	%	dB			%	dB	%	dB		%	dB	%	dB		
50	S	17	21	S	17	20	S	20		S	18	20	S	22		S	97	9	S	11	S
100	S	9	31	S	14	28	S	27		S	10	31	S	22		S	14	19	S	6	S
200	S	6	31	S	10	28	S	32		S	6	31	S	22		S	13	19	S	6	S
500	S	5	31	S	6	30	S	22		S	6	30	S	22		S	13	19	S	11	S
1000	S	5	32	S	6	31	S	17		S	6	31	S	22		S	12	19	S	6	S
2000	S	9	33	S	9	33	S	12		S	9	33	S	12		S	12	21	S	1	S
5000	S	2	35	S	3	34	S	17		S	3	34	S	22		S	7	22	S	16	S
6000	S	3	30	S	5	29	S	27		S	4	29	S	22		S	19	18	S	16	S
7000	S	8	22	S	14	21	S	32		S	10	21	S	27		S	88	10	S	16	S
8000	S	20	15	S	14	S	33			S	14	S	27			S	96	5	S	16	S
9000	S	9														S	22	14	S	-4	
10000	S	0																			

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz		%	dB		%	dB	%	dB			%	dB	%	dB		%	dB	%	dB		
50	M	45	35	M	14	38	M			M	15	38	M	58		M	16	21	M	-2	M
100	M	10	51	M	8	34	M	17		M	7	36	M	22		M	8	22	M	6	M
200	M	6	43	M	3	37	M	22		M	3	37	M	22		M	5	21	M	6	M
500	M	3	38	M	3	37	M	22		M	3	33	M			M	5	21	M	34	S
1000	S	16	40	M	3	34	M			S	21	32	S	19		S	27	21	S	6	S
2000	S	17	40	S	20	33	S	22		M	8	31	M	42		M	21	M	26	M	3
5000	M	2	32	M	8	31	M	37		M	15	23	M	42		S	21	M	26	M	25
6000	M	4	23	M	15	25	M	42		S	8	18	S	32		S	18	M	26	M	7
7000	S	6	18	S	8	18	S	27		S	8	18	S	32		S	96	14	S	26	S
8000	S	15	17	S	18	19	S	25		S	19	20	S	24		S	10	S	18	S	21
9000	S	31	12																		
10000	S	0																			

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz		%	dB		%	dB	%	dB			%	dB	%	dB		%	dB	%	dB		
50	M	47	35	M	15	38	M	20		M	15	38	M	22		M	13	21	M		M
100	M	14	52	M	7	34	M	27		M	6	35	M	32		M	7	22	M	6	M
200	M	5	35	M	3	35	M	22		M	3	34	M	22		M	5	22	M	6	M
500	M	3	41	M	3	35	M	22		M	3	34	M			S	21	S			M
1000	S	16	40	M	3	35	M			M	3	34	M			S	21	S			M
2000	S	20	41	S	18	33	S	12		S	18	33	S	12		S	20	21	S	-8	S
5000	M	3	31	M	8	30	M	37		M	8	30	M	42		M	21	M	26	M	4
6000	M	4	28	M	16	23	M	42		M	16	23	M	42		M	18	M	26	M	7
7000	S	6	19	S	10	24	S	32		S	9	19	S	32		S	93	15	S	26	S
8000	S	15	18	S	19	20	S	27		S	19	20	S	27		S	77	12	S	21	S
9000	S	36	13																		
10000	S	0																			

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	S		18																								
100	S		21																								
200	S		11																								
500	S		8																								
1000	S		10																								
2000	S		10																								
5000	S		8																								
6000	S		8																								
7000	S		15																								
8000	S		9																								
9000	S		8																								
10000	S		0																								

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	S		21																								
100	S		25																								
200	S		16																								
500	S		13																								
1000	S		15																								
2000	S		17																								
5000	S		28																								
6000	S		21																								
7000	M		11																								
8000	S		86																								
9000	S		11																								
10000	S		0																								

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	S		22																								
100	S		26																								
200	S		18																								
500	S		15																								
1000	S		26																								
2000	S		33																								
5000	S		28																								
6000	M		23																								
7000	M		20																								
8000	S		16																								
9000	S		10																								
10000	S		0																								

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE						25 Hz OFFSET						15 Hz OFFSET						-10 kHz OFFSET						+10 kHz OFFSET					
	* DS S/N			@ 26 dB D/U			* DS S/N * S/I			@ 26 dB D/U			* DS S/N * S/I			@ 0 dB D/U			* DS S/N * S/I			@ 0 dB D/U			* DS S/N * S/I					
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%		
50	S	16	17	S	16	17	S	18	S	18	16	S	24	S	5	S	15	S	17	16	S	-4	S	6	26	S	-4			
100	S	5	27	S	7	26	S	27	S	7	26	S	32	S	22	14	S	16	S	6	26	S	-4	S	6	26	S	-4		
200	S	5	26	S	7	25	S	27	S	6	25	S	22	S	23	13	S	16	S	6	26	S	-4	S	6	25	S	-4		
500	S	6	25	S	5	26	S	17	S	6	25	S	22	S	24	13	S	16	S	6	26	S	-4	S	6	26	S	-4		
1000	S	5	26	S	5	26	S	17	S	6	25	S	22	S	22	14	S	16	S	6	26	S	-4	S	5	27	S	-4		
2000	S	5	27	S	5	26	S	22	S	5	27	S	22	S	19	15	S	16	S	5	27	S	-4	S	4	28	S	-4		
5000	S	4	28	S	5	26	S	27	S	4	28	S	22	S	15	16	S	16	S	4	28	S	-4	S	8	23	S	6		
6000	S	6	24	S	8	23	S	22	S	7	23	S	22	S	27	11	S	16	S	8	23	S	6	S	6	26	S	-4		
7000	S	14	17	S	18	15	S	27	S	16	16	S	22	S	6	S	16	S	16	17	S	-4	S	16	17	S	-4			
8000	S	10																												
9000	S	5																												
10000	S	0																												

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE						25 Hz OFFSET						15 Hz OFFSET						-10 kHz OFFSET						+10 kHz OFFSET					
	* DS S/N			@ 26 dB D/U			* DS S/N * S/I			@ 26 dB D/U			* DS S/N * S/I			@ 0 dB D/U			* DS S/N * S/I			@ 0 dB D/U			* DS S/N * S/I					
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%		
50	S	56	32																											
100	S	11	50	S	26	37	M	17	M	14	37	S	29	S	13	20	S	-3	S	12	33	S	-9	S	6	36	S	6		
200	S	5	36	S	11	36	M	12	S	8	35	S	32	S	11	22	S	6	S	6	34	S	-4	S	6	34	S	-4		
500	S	5	35	S	8	35	S	32	M	6	36	S	32	S	10	22	S	6	S	7	35	S	-4	S	8	34	S	-4		
1000	S	6	35	S	11	35	M	10	S	9	35	M	32	S	10	22	S	6	S	8	29	S	-4	S	4	29	S	-4		
2000	S	8	34	S	9	33	S	17	M	7	33	M	15	S	10	21	S	1	S	8	34	S	-4	S	7	23	S	6		
5000	S	3	29	S	4	28	S	22	S	4	29	S	22	S	8	17	S	16	S	3	29	S	-4	S	7	23	S	6		
6000	S	5	24	S	6	23	S	22	S	5	23	S	22	S	19	15	S	16	S	7	20	S	-1	S	12	20	S	1		
7000	S	10	20	S	11	19	S	22	S	11	19	S	22	S	87	8	S	16	S	25	13	S	-5	S	12	20	S	1		
8000	S	24	13	S	12	S	21	S	12	S	21	S	12	S	94	3	S	14	S	23	18	S	26	S	25	13	S	-5		
9000	S	7																												
10000	S	0																												

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE						25 Hz OFFSET						15 Hz OFFSET						-10 kHz OFFSET						+10 kHz OFFSET					
	* DS S/N			@ 26 dB D/U			* DS S/N * S/I			@ 26 dB D/U			* DS S/N * S/I			@ 0 dB D/U			* DS S/N * S/I			@ 0 dB D/U			* DS S/N * S/I					
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%		
50	M	49	32																											
100	M	14	47	M	15	35	M	20	M	14	33	M	22	M	16	20	M	-2	M	14	34	M	-4	S	15	37	S	-4		
200	S	14	37	M	10	36	M	12	M	10	41	M	12	S	19	23	S	6	S	10	37	S	-4	S	13	36	S	-4		
500	S	9	38	M	5	41	M	12	M	4	40	M	11	S	13	24	S	1	S	10	37	S	-4	S	13	36	S	-4		
1000	S	12	37	M	8	40	M	12	S	14	40	S	32	S	16	23	S	3	S	13	36	M	-4	S	16	33	M	-4		
2000	M	15	40	M	15	32	M	15	M	15	37	M	15	S	30	21	S	3	M	16	33	M	-4	S	3	29	S	6		
5000	S	2	30	S	4	29	S	32	S	4	29	S	32	S	9	17	S	16	S	3	29	S	6	S	8	21	S	16		
6000	S	5	24	S	11	23	S	32	S	12	23	S	42	S	20	17	S	16	S	8	21	S	16	S	8	21	S	16		
7000	S	20	21	S	55	21	S	77	S	43	21	S	92	S	91	10	S	36	S	23	18	S	26	S	23	18	S	26		
8000	S	31	15																											
9000	S	9																												
10000	S	0																												

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 3 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	
50	S	18								S	21	14	S	16		S	6	26	S	-4	
100	S	26		S	25	S	27	S		S	25	S	32	S	23	13	S	16	S	6	
200	S	25		S	25	S	27	S		S	24	S	27	S	23	13	S	16	S	6	
500	S	25		S	24	S	22	S		S	25	S	27	S	21	14	S	16	S	6	
1000	S	26		S	25	S	22	S		S	27	S	32	S	17	15	S	16	S	5	
2000	S	28		S	27	S	42	S		S	29	S	22	S	13	17	S	16	S	5	
5000	S	30		S	4	29	S	22	S	4	29	S	22	S	51	13	S	16	S	4	
6000	S	25		S	24	S	22	S	8	24	S	32	S	92	8	S	16	S	7		
7000	S	19		S	18	S	27	S		S	18	S	27	S				S	15	S	-2
8000	S	13																			
9000	S	8																			
10000	S	0																			

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50	M	38								M	19	M	18	M		M	24	13	M	
100	M	36								M	35	M	34	M		M	24	12	M	3
200	M	40								M	37	S	37	M		S	17	12	S	6
500	M	39								S	19	S	19	S		S	75	83	S	1
1000	M	38								S	13	S	13	S		S				
2000	M	36								S	23	S	20	S		S				
5000	S	20		M	87	19	M			M	19	M	18	M		M	24	13	M	
6000	M	20		M	21	M	35	M		M	21	M	34	M		M	24	12	M	3
7000	S	20		S	23	20	S	37	S	19	19	S	37	S		S	17	12	S	6
8000	S	14		S	13	S			S	13	M			S		S	75	83	S	1
9000	S	10																		
10000	S	0																		

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50	M	36								S	27	S	32	S	97	17	S	16	S	-4
100	M	40								S	21	S	27	S		M	17	M		
200	M	41								S	24	S	27	S		M	16	S	16	S
500	M	39								S	27	S	27	S		S	17	13	S	-5
1000	M	40								S	27	S	27	S		S	74	82	S	
2000	M	35								S	13	S	27	S		S				
5000	S	21		S	9	21	S	27	S	S	9	24	S	32	S	97	17	S	16	S
6000	S	18		S	11	21	M		S	M	13	19	M		S	17	M		M	22
7000	M	20		S	24	85	S	27	S	21	20	M		S	16	S	16	S	17	
8000	S	19		S	13	S	27	S	S	80	S	27	S	68	12	S	27	S	74	
9000	S	77																		
10000	S	0																		

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Appendix E. Measurement results from testing
receiver no. 4 at 1330 kHz.

PAGE	SOURCE	MODULATION MATRIX	FIELD STRENGTH
140	C-Quam exciter	left only	10. mV/m
141	C-Quam exciter	right only	10. mV/m
142	C-Quam exciter	left=right	10. mV/m
143	C-Quam exciter	left=-right	10. mV/m
144	C-Quam generator	left only	10. mV/m
145	C-Quam generator	right only	10. mV/m
146	C-Quam generator	left=right	10. mV/m
147	C-Quam generator	left=-right	10. mV/m

Table of performance measurements on receiver number 4 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	%	dB	%	dB	%	dB
50	S	4																			
100	S	10	24	S	11	23	S	22	S	11	23	S	22	S	92	7	S	16	S	16	18
200	S	7	25	M	8	24	S	17	S	7	24	S	22	S	46	7	S	21	S	12	19
500	S	6	24	S	7	24	S	22	S	7	24	S	22	S	49	7	S	26	S	13	18
1000	S	6	25	S	6	24	S	22	S	6	24	S	22	S	47	7	S	26	S	12	19
2000	S	5	26	S	5	25	S	17	S	5	25	S	22	S	42	8	S	21	S	10	20
5000	S	6	27	S	6	27	S	17	S	6	26	S	22	S	36	9	S	26	S	9	21
6000	S	7	25	S	7	25	S	17	S	7	25	S	22	S	77	8	S	26	S	12	20
7000	S	7	24	S	8	24	S	17	S	8	24	S	22	S	91	7	S	21	S	13	19
8000	S	12	19	S	12	19	S	22	S	13	19	S	22	S	95	4	S	21	S	22	13
9000	S	16	17	S	17	16	S	20	S	18	16	S	22	S	96	3	S	21	S	34	11
10000	S	96	0																		

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	%	dB	%	dB	%	dB
50	S	54	17																		
100	S	15	29	S	16	28	S	17	S	16	28	S	17	S	37	11	S	11	S	17	23
200	S	6	32	S	6	32	S	22	S	6	32	S	22	S	22	14	S	16	S	7	26
500	S	4	32	S	4	32	S	17	S	4	32	S	22	S	20	15	S	16	S	6	27
1000	S	4	33	S	4	32	S	17	S	4	32	S	22	S	20	15	S	16	S	6	27
2000	S	3	33	S	4	32	S	17	S	4	32	S	22	S	20	15	S	16	S	5	27
5000	S	3	31	S	4	30	S	17	S	4	30	S	22	S	23	13	S	16	S	6	25
6000	S	5	28	S	5	28	S	17	S	5	28	S	22	S	30	11	S	16	S	8	23
7000	S	6	26	S	6	26	S	17	S	6	26	S	22	S	73	9	S	16	S	10	20
8000	S	9	22	M	10	21	S	22	S	10	21	S	22	S	93	5	S	26	S	17	16
9000	S	15	17	M	16	16	S	22	S	16	16	S	22	S	96	3	S	21	S	29	11
10000	S	97	0																		

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	%	dB	%	dB	%	dB
50	S	80	31																		
100	S	52	30																		
200	S	37	33																		
500	S	33	33																		
1000	S	33	33																		
2000	S	24	33	S	24	33	S	8	S	24	33	S	7	S	30	15	S	1	S	24	27
5000	S	3	31	S	3	30	S	17	S	3	30	S	22	S	20	13	S	16	S	5	25
6000	S	4	29	S	4	28	S	17	S	4	28	S	22	S	24	12	S	16	S	6	23
7000	S	5	26	M	4	28	S	17	S	5	26	S	22	S	34	9	S	16	S	8	21
8000	S	7	23	S	8	22	S	22	S	8	22	S	22	S	89	6	S	26	S	13	17
9000	S	12	18	M	12	18	S	22	S	13	17	S	22	S	95	3	S	16	S	22	12
10000	S	97	1																		

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 4 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*		
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	S	4																
100	S	12																
200	S	7																
500	S	3																
1000	S	7																
2000	S	14																
5000	S	21																
6000	S	21																
7000	S	20																
8000	S	18																
9000	S	14																
10000	S	0																

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*		
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	S	16																
100	S	21																
200	S	15																
500	S	9																
1000	S	16																
2000	S	24																
5000	S	30																
6000	S	28																
7000	S	26																
8000	S	23																
9000	S	18																
10000	S	1																

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*		
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	S	22																
100	S	30																
200	S	33																
500	S	33																
1000	S	34																
2000	S	34																
5000	S	32																
6000	S	30																
7000	S	27																
8000	S	24																
9000	S	19																
10000	S	1																

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 4 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE				25 Hz OFFSET				15 Hz OFFSET				-10 kHz OFFSET				+10 kHz OFFSET												
	*	DS	S/N		@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
Hz	%	dB			%	dB	%	dB		%	dB	%	dB		%	dB	%	dB	%	dB		%	dB	%	dB		%	dB	
50	S	97	2																										
100	S	11	20	S	13	20	S	27	S	12	19	S	22	S					5	S	21	S	20	14	S	6			
200	S	10	21	S	5	21	S	22	S	10	21	S	22	S	69	6	S	16	S	17	16	S	6						
500	S	9	21	S	10	21	S	20	S	10	21	S	20	S	58	5	S	21	S	18	15	S	6						
1000	S	8	22	S	9	21	S	22	S	9	21	S	22	S	53	6	S	26	S	16	16	S	6						
2000	S	7	23	S	7	23	S	17	S	7	23	S	22	S	47	7	S	26	S	13	17	S	6						
5000	S	6	25	S	6	25	S	17	S	6	25	S	22	S	36	9	S	16	S	10	20	S	6						
6000	S	7	24	M	5	25	S	17	S	7	23	S	22	S	60	8	S	26	S	12	18	S	6						
7000	S	8	23	M	6	24	S	17	S	8	22	S	22	S	89	7	S	21	S	14	17	S	6						
8000	S	13	18	S	13	18	S	17	S	13	18	S	17	S	93	4	S	16	S	23	12	S	5						
9000	S	19	15	S	18	14	S	20	S	20	14	S	19	S	96	2	S	16	S	66	9	S	6						
10000	S	95	0																										

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE				25 Hz OFFSET				15 Hz OFFSET				-10 kHz OFFSET				+10 kHz OFFSET											
	*	DS	S/N		@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB			%	dB	%	dB		%	dB	%	dB		%	dB	%	dB		%	dB		%	dB		%	dB	
50	S	78	23																									
100	S	23	28	S	24	27	S	22	S	25	27	S	22	S	37	11	S	6	S	24	22	S	-6					
200	S	5	32	S	8	31	S	32	S	6	31	S	32	S	20	15	S	16	S	7	26	S	6					
500	S	4	32	S	5	32	S	27	S	5	32	S	22	S	20	15	S	16	S	6	26	S	6					
1000	S	4	32	S	4	32	S	22	S	4	32	S	22	S	19	15	S	16	S	6	26	S	6					
2000	S	7	32	S	7	32	S	17	S	7	32	S	22	S	18	16	S	11	S	8	27	S	-4					
5000	S	4	30	S	4	30	S	17	S	4	30	S	22	S	18	15	S	16	S	5	25	S	6					
6000	S	4	29	M	4	28	S	17	S	4	28	S	22	S	23	12	S	16	S	7	23	S	6					
7000	S	5	26	S	6	25	S	17	S	6	25	S	22	S	34	10	S	16	S	9	20	S	6					
8000	S	8	22	S	9	21	S	17	S	9	21	S	22	S	87	6	S	21	S	15	16	S	6					
9000	S	14	17	S	15	17	S	22	S	15	16	S	17	S	95	3	S	16	S	25	11	S	6					
10000	S	97	0																									

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE				25 Hz OFFSET				15 Hz OFFSET				-10 kHz OFFSET				+10 kHz OFFSET											
	*	DS	S/N		@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB			%	dB	%	dB		%	dB	%	dB		%	dB	%	dB		%	dB		%	dB		%		
50	M	89	28																									
100	S	27	28	S	28	28	S	20	S	28	27	S	18	S	39	11	S	3	S	28	22	S	-8					
200	S	25	32	M	18	32	S	18	S	26	32	S	15	S	31	16	S	1	S	26	27	S						
500	M	15	38	S	16	33	M	12	M	14	38	M	18	M	19	20	M	1	M	16	31	M	-9					
1000	M	16	38	S	15	33	S	12	M	15	37	M	12	M	19	20	M	1	M	16	30	M	-9					
2000	M	16	37	S	16	33	S	12	M	16	37	M	12	M	19	20	M	-2	M	17	30	M						
5000	S	3	31	S	3	30	S	17	S	3	33	S	22	S	17	14	S	16	S	5	25	S	6					
6000	S	4	29	M	3	28	S	17	S	4	28	S	22	S	21	13	S	16	S	6	23	S	6					
7000	S	5	26	S	5	25	S	17	S	5	25	S	22	S	27	10	S	16	S	9	21	S	6					
8000	S	7	22	M	6	22	S	17	S	8	22	S	22	S	80	7	S	16	S	13	17	S	6					
9000	S	13	18	S	13	17	S	17	S	13	17	S	17	S	94	3	S	16	S	22	12	S	6					
10000	S	96	1																									

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 4 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	@ 26 dB D/U			*	DS	S/N	* S/I	@ 26 dB D/U			*	DS	S/N
				%	dB	%					%	dB	dB			
50	S	97	2				S	13	20	S	22		S	6	S	26
100	S	11	20	S	13	20	S	22		S	13	20	S	22	S	22
200	S	11	20	S	12	20	S	22		S	11	20	S	18	S	20
500	S	11	20	M	45	7	S	20		S	11	19	S	17	S	22
1000	S	10	20	S	11	20	S	17		S	11	20	S	22	S	20
2000	S	9	21	S	20	21	S	17		S	10	21	S	22	S	18
5000	S	11	22	S	11	21	S	17		S	11	22	S	17	S	18
6000	S	13	20	S	13	20	S	17		S	14	20	S	17	S	22
7000	S	13	20	M	13	19	S	22		S	14	19	S	22	S	24
8000	S	23	14	S	23	14	S	18		S	23	14	S	17	S	81
9000	S	29	12	S	34	12	S	24		S	35	12	S	27	S	96
10000	S	95	0							S	95	2	S		S	96

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	@ 26 dB D/U			*	DS	S/N	* S/I	@ 0 dB D/U			*	DS	S/N
				%	dB	%					%	dB	dB			
50	S	96	20				S	21	29	S	17	S	21	29	S	15
100	S	20	29	S	21	29	S	17		S	21	29	S	15	S	31
200	S	10	30	S	10	30	S	17		S	10	30	S	17	S	22
500	S	8	30	S	8	30	S	17		S	8	30	S	17	S	24
1000	S	12	30	S	76	30	S	12		S	12	30	S	12	S	26
2000	S	18	32	S	18	31	S	12		S	18	31	S	12	S	27
5000	S	5	31	S	5	30	S	17		S	5	30	S	22	S	20
6000	S	6	28	S	6	27	S	17		S	6	27	S	22	S	26
7000	S	7	25	S	8	25	S	17		S	7	25	S	17	S	66
8000	S	10	21	S	11	20	S	17		S	11	20	S	17	S	92
9000	S	17	16	S	18	15	S	20		S	18	15	S	22	S	96
10000	S	96	1							S	96	3	S	21	S	51

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	@ 26 dB D/U			*	DS	S/N	* S/I	@ 0 dB D/U			*	DS	S/N
				%	dB	%					%	dB	dB			
50	S	84	30				S	5	30	S	17	S	5	30	S	22
100	S	86	32	S	5	30	S	17		S	6	28	S	22	S	25
200	S	62	33	M	7	28	S	17		S	7	25	S	22	S	23
500	S	33		S	7	25	S	17		S	9	21	S	17	S	11
1000	S	52	32	S	10	21	S	17		S	16	16	S	20	S	16
2000	S	32	31	S	16	16	S	20		S	16	16	S	20	S	28
5000	S	5	30	S	5	30	S	17		S	20	15	S	13	S	7
6000	S	5	28	M	7	28	S	17		S	25	13	S	16	S	9
7000	S	6	25	S	7	25	S	17		S	45	10	S	16	S	11
8000	S	9	22	S	10	21	S	17		S	89	7	S	16	S	16
9000	S	15	17	S	16	16	S	20		S	95	4	S	16	S	28
10000	S	96	72													11

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 4 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION																							
AUDIO FREQUENCY Hz	NO INTERFERENCE						25 Hz OFFSET						15 Hz OFFSET						-10 kHz OFFSET				
	*	DS %	S/N dB	*	DS %	S/N dB	*	DS %	S/N dB	*	DS %	S/N dB	*	DS %	S/N dB	*	DS %	S/N dB	*	DS %	S/N dB		
50	S	92	4				M	10	21	S	17		S	12	22	S	18		S	57	8	S	16
100	S	11	23				M	9	23	S	17		S	7	24	S	17		S	38	9	S	16
200	S	7	24				S	7	23	S	17		S	7	23	S	22		S	40	8	S	21
500	S	7	23				M	8	22	S	22		S	7	23	S	22		S	38	9	S	16
1000	S	6	24				S	6	25	S	22		S	6	25	S	22		S	34	10	S	16
2000	S	6	25				S	6	25	S	17		S	6	26	S	17		S	31	11	S	13
5000	S	6	26				S	6	25	S	17		S	6	26	S	17		S	11	20	S	6
6000	S	7	24				S	7	24	S	17		S	8	24	S	22		S	51	9	S	16
7000	S	8	23				S	9	23	S	22		S	8	23	S	22		S	83	9	S	16
8000	S	14	18				S	15	17	S	20		S	15	17	S	22		S	94	5	S	16
9000	S	21	15				S	22	14	S	20		S	22	14	S	20		S	96	3	S	16
10000	S	96	0																S	82	9	S	6
90% MODULATION																							
AUDIO FREQUENCY Hz	NO INTERFERENCE						25 Hz OFFSET						15 Hz OFFSET						-10 kHz OFFSET				
	*	DS %	S/N dB	*	DS %	S/N dB	*	DS %	S/N dB	*	DS %	S/N dB	*	DS %	S/N dB	*	DS %	S/N dB	*	DS %	S/N dB		
50	S	62	19				S	10	32	S	22		S	10	32	S	17		S	18	17	S	6
100	S	33	30				M	4	31	S	17		S	6	32	S	22		S	16	17	S	16
200	S	9	33				S	7	32	S	17		S	7	33	S	22		S	16	17	S	16
500	S	5	32				S	9	33	S	17		S	9	32	S	17		S	18	18	S	6
1000	S	7	33				S	4	30	S	17		S	4	30	S	22		S	21	15	S	16
2000	S	9	33				S	6	28	S	17		S	6	28	S	22		S	27	13	S	16
5000	S	4	30				S	7	26	S	17		S	6	26	S	17		S	48	12	S	16
6000	S	5	28				S	10	21	S	17		S	10	21	S	22		S	91	7	S	16
7000	S	6	26				S	16	17	S	17		S	16	17	S	17		S	5	S	13	
8000	S	10	21																S	28	12	S	6
9000	S	16	17																				
10000	S	96	1																				
125% MODULATION																							
AUDIO FREQUENCY Hz	NO INTERFERENCE						25 Hz OFFSET						15 Hz OFFSET						-10 kHz OFFSET				
	*	DS %	S/N dB	*	DS %	S/N dB	*	DS %	S/N dB	*	DS %	S/N dB	*	DS %	S/N dB	*	DS %	S/N dB	*	DS %	S/N dB		
50	S	82	24				S	29	33	S	16		S	28	34	S	14		S	33	18	S	0
100	S	40	31				M	10	34	S	13		S	26	34	S	12		S	31	19	S	0
200	S	28	34				S	25	33	S	12		S	25	34	S	12		S	31	18	S	0
500	S	26	34				S	21	33	S	13		S	21	33	S	12		S	27	18	S	1
1000	S	25	34				M	4	30	S	17		M	6	30	S	32		S	20	16	S	26
2000	S	21	34				S	5	28	S	17		M	5	28	S	22		M	25	14	S	16
5000	M	4	30				S	10	21	S	17		S	10	21	S	22		S	38	12	S	16
6000	M	5	28				S	16	17	S	20		S	15	17	S	20		S	95	5	S	15
7000	S	6	26																S	11	21	S	6
8000	S	9	22																S	18	16	S	6
9000	S	16	17																S	30	12	S	6
10000	S	97	1																				

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 4 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz	%	dB		%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB
50	S	4														
100	S	12														
200	S	7														
500	S	3														
1000	S	7														
2000	S	14														
5000	S	21														
6000	S	21														
7000	S	20														
8000	S	17														
9000	S	13														
10000	S	0														

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz	%	dB		%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB
50	S	19														
100	S	24														
200	S	19														
500	S	14														
1000	S	20														
2000	S	26														
5000	S	29														
6000	S	28														
7000	S	25														
8000	S	22														
9000	S	17														
10000	S	1														

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz	%	dB		%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB
50	S	21														
100	S	27														
200	S	29														
500	S	28														
1000	S	29														
2000	S	31														
5000	S	29														
6000	S	25														
7000	S	23														
8000	S	16														
9000	S	11														
10000	S	2														

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 4 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE						25 Hz OFFSET						15 Hz OFFSET						-10 kHz OFFSET						+10 kHz OFFSET					
	* DS S/N			@ 26 dB D/U			* DS S/N * S/I			@ 26 dB D/U			* DS S/N * S/I			@ 0 dB D/U			* DS S/N * S/I			@ 0 dB D/U			* DS S/N * S/I					
	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB		
50	S	97	2																											
100	S	12	19	S	13	19	S	24	S	13	19	S	22	S	98	5	S	16	S	22	14	S	6							
200	S	10	21	S	12	21	S	22	S	11	20	S	22	S	50	6	S	16	S	19	15	S	6							
500	S	10	20	M	6	24	S	22	S	11	19	S	22	S	53	6	S	26	S	20	14	S	16							
1000	S	9	21	S	10	20	S	17	S	10	20	S	17	S	49	6	S	21	S	18	15	S	6							
2000	S	8	22	S	8	22	S	17	S	8	22	S	22	S	42	8	S	16	S	15	17	S	6							
5000	S	6	24	S	7	24	S	17	S	7	24	S	22	S	35	10	S	26	S	12	18	S	6							
6000	S	8	22	S	8	22	S	17	S	8	22	S	22	S	74	8	S	16	S	14	17	S	6							
7000	S	9	21	S	9	21	S	17	S	9	21	S	17	S	87	7	S	16	S	17	16	S	6							
8000	S	15	17	S	16	17	S	20	S	16	16	S	20	S	94	4	S	16	S	28	11	S	8							
9000	S	25	13	S	26	12	S	18	S	25	13	S	18	S	96	3	S	15	S	91	8	S	6							
10000	S	96	0																											

90% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE						25 Hz OFFSET						15 Hz OFFSET						-10 kHz OFFSET						+10 kHz OFFSET					
	* DS S/N			@ 26 dB D/U			* DS S/N * S/I			@ 26 dB D/U			* DS S/N * S/I			@ 0 dB D/U			* DS S/N * S/I			@ 0 dB D/U			* DS S/N * S/I					
	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB		
50	S	95	7																											
100	S	17	28	S	20	27	S	25	S	18	27	S	22	S	32	12	S	6	S	18	22	S	-4							
200	S	5	30	M	5	34	S	32	S	7	29	S	32	S	23	14	S	16	S	8	24	S	6							
500	S	4	29	S	5	29	S	27	S	5	29	S	22	S	23	14	S	16	S	7	24	S	6							
1000	S	4	30	S	5	29	S	22	S	5	30	S	22	S	22	14	S	16	S	7	24	S	6							
2000	S	6	31	S	6	30	S	22	S	6	30	S	22	S	21	15	S	16	S	8	25	S	6							
5000	S	4	30	S	4	29	S	22	S	4	29	S	22	S	21	15	S	16	S	7	24	S	6							
6000	S	5	28	S	5	27	S	17	S	5	27	S	22	S	26	13	S	16	S	9	22	S	6							
7000	S	6	26	S	6	25	S	17	S	6	25	S	22	S	39	11	S	16	S	11	20	S	6							
8000	S	9	22	S	10	21	S	22	S	10	21	S	22	S	90	7	S	26	S	18	15	S	16							
9000	S	17	16	S	18	16	S	17	S	17	16	S	17	S	4	S	13	S	38	11	S	6								
10000	S	96	1																											

125% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE						25 Hz OFFSET						15 Hz OFFSET						-10 kHz OFFSET						+10 kHz OFFSET					
	* DS S/N			@ 26 dB D/U			* DS S/N * S/I			@ 26 dB D/U			* DS S/N * S/I			@ 0 dB D/U			* DS S/N * S/I			@ 0 dB D/U			* DS S/N * S/I					
	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB		
50	S	92	12																											
100	S	22	28	S	24	28	S	22	S	23	28	S	20	S	34	13	S	3	S	23	22	S	-6							
200	S	11	31	S	14	31	S	27	S	13	30	S	22	S	22	16	S	6	S	12	25	S	-4							
500	S	8	31	S	9	30	S	22	S	8	30	S	22	S	21	15	S	11	S	9	25	S	1							
1000	S	10	31	S	10	31	S	17	S	10	31	S	17	S	22	16	S	6	S	11	25	S	-4							
2000	S	12	32	S	12	31	S	17	S	12	31	S	17	S	24	16	S	11	S	13	26	S	-4							
5000	S	6	28	S	6	28	S	22	S	6	28	S	22	S	35	14	S	16	S	11	23	S	6							
6000	S	7	26	S	7	26	S	17	S	7	26	S	22	S	48	12	S	16	S	12	21	S	6							
7000	S	7	25	S	7	25	S	17	S	7	25	S	22	S	58	11	S	16	S	13	20	S	6							
8000	S	9	21	S	10	21	S	17	S	10	21	S	22	S	87	7	S	16	S	18	16	S	6							
9000	S	16	17	S	17	16	S	20	S	17	16	S	20	S	4	S	15	S	11	S	6									
10000	S	97	1																											

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 4 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50	S	2								S	13	20	S	22		S	6	S	16		
100	S	12	20	S	13	20	S	22		S	13	20	S	22		S	23	S	14	S	6
200	S	10	20	S	12	20	S	32		S	12	19	S	22		S	21	S	14	S	16
500	S	12	19	M	45	7	S	20		S	12	19	S	20		S	23	S	13	S	6
1000	S	11	20	S	11	19	S	17		S	11	20	S	17		S	21	S	14	S	6
2000	S	9	21	S	10	21	S	22		S	10	21	S	22		S	19	S	15	S	11
5000	S	12	21	M	15	20	S	17		S	12	21	S	17		S	20	S	15	S	6
6000	S	14	19	S	14	19	S	15		S	14	19	S	17		S	24	S	14	S	5
7000	S	14	19	S	14	18	S	22		S	15	18	S	22		S	27	S	13	S	16
8000	S	25	13	S	26	13	S	20		S	27	13	S	19		S	92	S	8	S	7
9000	S	59	11																		
10000	S	97	0																		

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50	S	88	10							S	32	14	S	5		S	21	S	23	S	-6
100	S	20	29	S	21	29	S	15		S	21	29	S	15		S	11	S	24	S	6
200	S	8	29	S	39	29	S	22		S	8	29	S	22		S	10	S	23	S	6
500	S	6	28	S	6	28	S	22		S	6	28	S	22		S	10	S	23	S	6
1000	S	7	29	S	7	29	S	17		S	7	29	S	17		S	10	S	23	S	6
2000	S	7	31	S	7	30	S	12		S	7	30	S	12		S	10	S	24	S	6
5000	S	15	29	S	15	29	S	7		S	15	29	S	7		S	16	S	23	S	-4
6000	S	18	26	S	18	26	S			S	18	26	S	7		S	16	S	20	S	1
7000	S	13	26	S	13	26	S	12		S	15	25	S	22		S	19	S	20	S	3
8000	S	19	19	S	20	18	S	18		S	13	18	S	17		S	49	S	13	S	6
9000	S	20	17	S	21	17	S	17		S	21	17	S	17		S	75	S	12	S	5
10000	S	96	0																		

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50	S	87	14							M	60	30	S	19		S	29	S	15	S	3
100	S	20	30	S	21	30	S	20		S	10	31	S	22		S	12	S	25	S	1
200	S	10	32	S	11	31	S	22		S	6	31	S	22		S	9	S	25	S	6
500	S	6	31	M	21	17	S	22		S	7	31	S	22		S	9	S	25	S	6
1000	S	6	31	S	7	31	S	17		S	7	31	S	17		S	9	S	26	S	6
2000	S	6	32	S	7	31	S	17		S	7	31	S	17		S	16	S	25	S	-4
5000	S	15	30	S	15	30	S	7		S	15	30	S	7		S	17	S	12	S	1
6000	S	18	27	S	18	26	S			S	18	26	S			S	22	S	21	S	1
7000	S	13	27	S	13	27	S	12		M	17	27	S	12		S	17	S	21	S	1
8000	S	19	19	S	19	19	S	16		S	14	19	S	17		S	52	S	14	S	6
9000	S	18	19	S	20	18	S	22		M	15	18	S	22		S	66	S	13	S	8
10000	S	95	1																		

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Appendix F. Measurement results from testing
receiver no. 5 at 1330 kHz.

PAGE	SOURCE	MODULATION MATRIX	FIELD STRENGTH
150	C-Quam exciter	left only	10. mV/m
151	C-Quam exciter	right only	10. mV/m
152	C-Quam exciter	left=right	10. mV/m
153	C-Quam exciter	left=-right	10. mV/m
154	C-Quam generator	left only	10. mV/m
155	C-Quam generator	right only	10. mV/m
156	C-Quam generator	left=right	10. mV/m
157	C-Quam generator	left=-right	10. mV/m
158	C-Quam exciter	left only	.5 mV/m
159	C-Quam exciter	right only	.5 mV/m
160	C-Quam exciter	left=right	.5 mV/m
161	C-Quam exciter	left=-right	.5 mV/m
162	C-Quam generator	left only	.5 mV/m
163	C-Quam generator	right only	.5 mV/m
164	C-Quam generator	left=right	.5 mV/m
165	C-Quam generator	left=-right	.5 mV/m
166	C-Quam exciter	left only	.1 mV/m
167	C-Quam exciter	right only	.1 mV/m
168	C-Quam exciter	left=right	.1 mV/m
169	C-Quam exciter	left=-right	.1 mV/m
170	C-Quam generator	left only	.1 mV/m
171	C-Quam generator	right only	.1 mV/m
172	C-Quam generator	left=right	.1 mV/m
173	C-Quam generator	left=-right	.1 mV/m

Table of performance measurements on receiver number 6 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE				25 Hz OFFSET				15 Hz OFFSET				-10 kHz OFFSET				+10 kHz OFFSET						
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I
Hz	%	dB	%	dB	%	dB	dB	%	dB	%	dB	dB	%	dB	%	dB	%	dB	%	dB	dB		
50	S	6	31	S	7	26	S	25	S	8	26	S	27	S	29	11	S	11	S	24	13	S	11
100	S	2	40	S	5	33	S	27	S	3	33	S	32	S	12	19	S	16	S	10	20	S	16
200	S	2	39	S	3	32	S	27	S	3	32	S	32	S	13	18	S	16	S	11	19	S	16
500	S	2	38	S	3	32	S	32	S	3	31	S	32	S	14	17	S	16	S	11	19	S	16
1000	S	1	39	M	3	30	S	27	S	2	33	S	32	S	11	19	S	16	S	10	20	S	16
2000	S	1	41	M	3	33	S	27	S	2	34	S	32	S	11	20	S	16	S	9	21	S	16
5000	S	1	40	S	2	34	S	22	S	2	34	S	32	S	10	19	S	16	S	9	20	S	16
6000	S	1	39	S	3	33	S	22	S	3	33	S	32	S	15	18	S	26	S	12	19	S	16
7000	S	2	36	S	3	30	S	32	S	3	31	S	32	S	20	15	S	26	S	16	17	S	16
8000	S	4	30	S	8	24	S	32	S	7	25	S	32	S	93	9	S	26	S	16	10	S	26
9000	S	11	20	S	23	15	S	37	S	23	15	S	37	S	97	3	S	26	S	96	4	S	23
10000	S	0																					

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE				25 Hz OFFSET				15 Hz OFFSET				-10 kHz OFFSET				+10 kHz OFFSET						
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I
Hz	%	dB	%	dB	%	dB	dB	%	dB	%	dB	dB	%	dB	%	dB	%	dB	%	dB	dB		
50	S	8	40	M	8	31	M	20	S	7	34	S	27	S	15	19	S	6	S	13	20	S	1
100	S	3	45	S	4	39	S	27	S	4	39	S	32	S	8	24	S	6	S	7	25	S	6
200	S	1	45	S	3	40	S	32	S	3	40	S	32	S	7	25	S	16	S	6	26	S	6
500	S	1	46	S	2	40	S	22	S	2	40	S	32	S	6	26	S	16	S	5	27	S	6
1000	S	1	47	S	2	41	S	22	S	2	41	S	32	S	6	26	S	16	S	5	27	S	16
2000	S	1	46	S	3	40	S	22	S	3	41	S	32	S	6	26	S	16	S	6	27	S	16
5000	S	1	41	S	1	35	S	22	S	2	35	S	32	S	9	20	S	16	S	7	21	S	16
6000	S	1	39	S	2	33	S	22	S	2	34	S	32	S	11	18	S	16	S	9	20	S	16
7000	S	1	36	S	3	30	S	22	S	3	30	S	32	S	16	16	S	26	S	14	17	S	16
8000	S	3	30	S	6	24	M	32	S	6	24	S	32	S	63	10	S	26	S	29	11	S	26
9000	S	8	21	S	21	15	S	37	S	21	15	S	37	S	95	3	S	26	S	95	4	S	26
10000	S	0																					

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE				25 Hz OFFSET				15 Hz OFFSET				-10 kHz OFFSET				+10 kHz OFFSET							
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	
Hz	%	dB	%	dB	%	dB	dB	%	dB	%	dB	dB	%	dB	%	dB	%	dB	%	dB	dB			
50	S	32	45						S	19	37	M		S	19	37	S	22	M	11	24	M	-9	
100	S	18	46	S	19	37	M		S	28	39	M	4	S	28	38	M	10	M	15	25	M	14	
200	S	29	49	S	28	39	M	4	S	10	39	M	10	S	10	39	M	3	M	9	26	M	-6	
500	S	11	50	S	10	39	M	10	S	5	39	M	3	S	12	26	M		M	5	17	25	S	1
1000	S	21	49	S	18	39	M	3	S	21	37	M	3	S	21	37	M		M	16	26	M		
2000	S	21	48	S	21	37	M	3	S	21	37	M	3	S	17	14	S	26	S	22	24	M	15	
5000	S	1	44	S	2	34	S	22	S	1	34	S	22	S	5	19	S	16	S	6	20	S	16	
6000	S	1	42	S	2	32	S	22	S	1	32	S	32	S	15	17	S	16	S	9	18	S	16	
7000	S	1	39	S	3	29	S	22	S	3	30	S	32	S	17	14	S	26	S	13	15	S	16	
8000	S	2	33	S	6	24	M	27	S	4	24	S	32	S	9	9	S	26	S	28	10	S	26	
9000	S	8	23	S	22	13	M	27	S	15	14	S	42	S	95	2	S	26	S	94	2	S	26	
10000	S	-1																						

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 6 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB		%	dB	dB		dB		%	dB	dB		dB		%	dB	dB		%	dB	dB				
50	S		14																								
100	S		17																								
200	S		13																								
500	S		11																								
1000	S		11																								
2000	S		17																								
5000	S		25																								
6000	S		27																								
7000	S		26																								
8000	S		22																								
9000	S		13																								
10000	S		0																								

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB		%	dB	dB		dB		%	dB	dB		dB		%	dB	dB		%	dB	dB				
50	S		23																								
100	S		28																								
200	S		21																								
500	S		18																								
1000	S		20																								
2000	S		27																								
5000	S		42																								
6000	S		41																								
7000	S		38																								
8000	S		33																								
9000	S		23																								
10000	S		0																								

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB		%	dB	dB		dB		%	dB	dB		dB		%	dB	dB		%	dB	dB				
50	S		42																								
100	S		46																								
200	S		48																								
500	S		48																								
1000	S		49																								
2000	S		48																								
5000	S		46																								
6000	S		44																								
7000	S		39																								
8000	S		34																								
9000	S		23																								
10000	S		-1																								

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 6 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left=right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50	S	7	31	S	10	23	S	27	S	11	23	S	32	S	98	8	S	13	S	75
100	S	3	38	S	4	29	S	27	S	5	30	S	32	S	18	15	S	16	S	14
200	S	2	37	S	4	29	S	32	S	4	29	S	32	S	20	14	S	16	S	16
500	S	2	36	S	4	29	S	32	S	4	29	S	32	S	20	14	S	16	S	16
1000	S	2	37	M	3	32	S	32	S	4	29	S	32	S	18	15	S	16	S	14
2000	S	2	38	S	4	30	S	32	S	3	30	S	32	S	17	15	S	16	S	13
5000	S	1	37	M	2	33	S	32	S	4	29	S	32	S	17	14	S	26	S	14
6000	S	2	36	S	4	27	S	32	S	4	28	S	32	S	21	13	S	26	S	17
7000	S	2	33	S	6	25	S	32	S	6	26	S	32	S	29	11	S	26	S	22
8000	S	5	27	S	12	20	M	27	S	11	20	S	32	S	95	6	S	26	S	94
9000	S		18																	
10000	S		0																	

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50	S	24	40	M	24	33	M	18	M	24	34	M	17	M	30	20	S	1	S	25
100	S	19	45	S	21	36	M	10	S	11	37	M	-	M	16	24	M	-8	S	22
200	S	3	49	S	6	37	S	37	S	6	37	S	32	M	12	25	S	16	M	9
500	S	2	46	S	4	38	S	27	S	3	39	S	32	M	10	26	S	16	M	5
1000	S	2	46	S	3	39	S	27	S	3	38	S	32	M	10	26	S	6	S	6
2000	S	4	46	S	5	38	S	22	S	9	38	S	32	M	13	25	S	16	M	11
5000	S	1	42	S	2	34	S	22	S	1	34	S	22	S	10	19	S	16	S	6
6000	S	1	40	S	2	32	S	22	S	1	32	S	22	S	16	17	S	16	S	8
7000	S	1	37	S	3	29	S	22	S	3	29	S	32	S	19	14	S	26	S	13
8000	S	3	31	S	7	23	M	27	S	7	23	S	32	S	76	8	S	26	S	10
9000	S	9	21	S	24	13	S	28	S	24	13	S	37	S	95	2	S	26	S	95
10000	S		-1																	

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50	M	40	44	S	25	36	M	7	S	10	37	M	-	M	13	24	M	-	S	26
100	S	24	47	S	25	36	M	7	S	10	37	M	-	M	21	25	M	12	M	29
200	M	27	53	S	27	37	M	5	S	27	37	M	4	M	16	26	M	13	M	13
500	M	11	54	S	15	38	M	32	M	10	42	M	22	M	16	26	M	6	M	13
1000	M	11	54	S	12	38	M	17	M	11	41	M	17	M	16	27	M	6	M	13
2000	M	14	53	S	15	38	M	12	M	14	41	M	15	M	17	26	M	1	M	15
5000	M	1	50	S	2	33	S	22	M	1	37	S	22	S	5	18	S	16	M	7
6000	M	1	48	S	2	32	S	22	M	1	36	S	22	M	18	21	S	16	M	9
7000	M	1	44	S	3	28	S	22	S	3	28	S	32	S	20	18	S	26	M	13
8000	S	3	33	S	7	23	M	27	S	4	23	S	32	S	59	8	S	26	S	27
9000	S	8	23	S	23	12	S	37	S	23	13	S	42	S	96	2	S	26	S	94
10000	S		-1																	

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 6 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET									
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	S	3	32	M	10	S	42	M	11	S	47	S	97	S	16	S	72	10	S	16		
100	S	1	40	S	5	30	S	32	M	11	S	42	S	18	S	16	S	16	17	S	16	
200	S	1	38	S	29	S	32	S	4	30	S	32	S	20	S	16	S	17	16	S	16	
500	S	2	37	S	30	S	37	S	4	30	S	32	S	20	S	16	S	17	16	S	16	
1000	S	2	37	S	12	S	32	S	4	30	S	32	S	17	S	16	S	15	17	S	16	
2000	S	2	36	S	4	29	S	32	S	4	29	S	32	S	17	17	S	16	13	18	S	16
5000	S	1	39	S	4	31	S	32	S	3	32	S	32	S	17	16	S	26	15	18	S	16
6000	S	2	38	S	4	30	S	32	S	5	30	S	32	S	28	16	S	26	20	17	S	26
7000	S	3	36	S	5	29	S	37	S	6	29	S	32	S	74	13	S	26	26	14	S	26
8000	S	5	28	S	13	20	S	37	S	13	21	S	42	S	97	8	S	26	97	8	S	26
9000	S		17																			
10000	S		0																			

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET									
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	S	19	43	M	49	31	M	S	20	37	S	21	S	26	19	S	1	S	22	22	S	-2
100	S	6	49	M	26	38	M	M	26	39	M	S	27	22	S	6	S	10	25	S	6	
200	S	4	49	S	6	41	S	47	S	48	41	S	32	S	11	25	S	6	8	26	S	6
500	S	2	51	S	61	43	S	32	S	60	43	S	32	S	9	27	S	16	7	28	S	16
1000	S	3	51	S	93	42	S	37	S	4	42	S	32	S	10	27	S	16	7	28	S	6
2000	S	4	51	M	64	30	S	22	S	5	42	S	22	S	9	26	S	6	8	27	S	6
5000	S	1	45	S	1	36	S	22	S	1	36	S	32	S	8	21	S	16	6	22	S	16
6000	S	1	43	S	2	35	S	22	S	2	35	S	32	S	10	20	S	16	9	21	S	16
7000	S	1	40	S	3	32	S	22	S	3	32	S	32	S	17	16	S	26	14	18	S	16
8000	S	2	34	S	6	26	S	37	S	6	26	S	32	S	11	S	26	S	30	12	S	26
9000	S	7	24	S	20	15	S	37	S	20	16	S	42	S	4	S	36	S	95	4	S	26
10000	S		-1																			

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		
50	S	91	47	S	20	37	S	13	S	20	38	S	13	M	28	25	S	0	S	20	24	S	-6
100	S	82	48	S	2	37	S	22	S	1	37	S	32	S	8	22	S	16	S	6	23	S	16
200	S		48	S	2	35	S	22	S	2	34	S	32	S	11	19	S	16	S	9	20	S	16
500	S	91	50	S	3	31	S	22	S	3	31	S	32	S	17	16	S	26	S	14	17	S	26
1000	S	43	48	S	6	26	M	32	S	6	25	S	32	S	63	10	S	26	S	28	11	S	26
2000	S	19	46	S	20	37	S	13	S	19	86	S	37	S	96	69	S	26	S	95	4	S	26
5000	S	1	45	S	2	37	S	22	S	1	37	S	32	S	8	22	S	16	S	6	23	S	16
6000	S	1	42	S	2	35	S	22	S	2	34	S	32	S	11	19	S	16	S	9	20	S	16
7000	S	1	39	S	3	31	S	22	S	3	31	S	32	S	17	16	S	26	S	14	17	S	26
8000	S	2	34	S	6	26	M	32	S	6	25	S	32	S	63	10	S	26	S	28	11	S	26
9000	S	7	91	S	19	86	S	37	S	19	86	S	37	S	96	69	S	26	S	95	4	S	26
10000	S		65																				

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 6 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	%	dB	%	%	dB	%	%	dB	%	%	dB	%	%	dB	%	%	dB	%	dB
50	S	7	26	S	8	24	S	27	S	9	24	S	32	S	27	12	S	16	S	23
100	S	3	34	S	4	32	S	22	S	4	31	S	32	S	12	19	S	16	S	10
200	S	2	33	S	3	30	S	22	S	3	30	S	22	S	13	18	S	16	S	11
500	S	3	32	S	3	30	S	22	S	3	30	S	22	S	13	18	S	16	S	11
1000	S	3	33	M	4	28	S	22	S	3	31	S	22	S	11	19	S	16	S	9
2000	S	2	34	S	3	32	S	32	S	3	32	S	22	S	11	20	S	16	S	9
5000	S	2	33	S	3	31	S	32	S	3	31	S	32	S	11	19	S	16	S	9
6000	S	2	32	S	3	30	S	27	S	3	30	S	32	S	14	18	S	16	S	12
7000	S	3	29	S	4	27	S	27	S	5	27	S	32	S	20	15	S	16	S	17
8000	S	6	24	S	10	21	S	27	S	12	21	S	32	S	91	9	S	21	S	10
9000	S	19	14	S	31	11	S	30	S	30	11	S	31	S	95	3	S	21	S	95
10000	S	0																		

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	%	dB	%	%	dB	%	%	dB	%	%	dB	%	%	dB	%	%	dB	%	dB
50	S	12	34	M	9	29	M	17	S	9	31	S	27	S	19	20	S	3	S	14
100	S	21	39	S	5	36	M	32	S	23	37	S	22	M	11	23	M	3	S	24
200	S	3	40	S	5	37	M	32	S	3	38	S	22	S	11	26	S	16	S	7
500	S	2	40	S	3	38	M	27	S	3	38	S	32	S	6	26	S	6	S	5
1000	S	2	41	S	3	38	S	27	S	2	38	S	22	S	7	27	S	6	S	5
2000	S	6	40	S	7	38	S	22	S	3	38	S	22	S	14	25	S	11	S	8
5000	S	1	37	S	2	33	S	22	M	1	35	M	22	S	10	21	S	16	S	7
6000	M	1	36	S	2	31	S	22	M	2	33	M	32	S	14	20	M	16	M	8
7000	M	1	33	S	3	28	M	32	M	3	31	M	32	M	26	16	M	26	M	12
8000	M	3	28	S	7	22	M	32	S	6	22	S	32	S	86	10	M	26	M	25
9000	M	10	17	S	22	13	S	32	S	20	13	S	32	S	97	5	M	23	M	96
10000	S	0																		

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	%	dB	%	%	dB	%	%	dB	%	%	dB	%	%	dB	%	%	dB	%	dB	
50	S	44	34																		
100	S	29	39	S	8	37	M			M	8	37	M	6	M	14	24	M		S	10
200	S	26	39	S	28	38	M			S	10	37	M	5	M	16	25	M	11	M	12
500	S	22	40	S	24	38	M			S	8	38	M		M	15	26	M	10	M	11
1000	S	21	40	S	22	38	M	6		S	22	38	M		M	16	26	M	-9	M	12
2000	S	17	39	S	19	37	M	8		S	10	38	M	8	M	17	25	M		M	12
5000	M	1	38	S	2	33	S	22		S	1	35	M	32	M	7	22	M	16	M	5
6000	M	1	36	S	2	31	S	22		M	1	34	M	32	M	13	21	M	16	M	7
7000	M	1	33	S	3	28	S	22		M	2	31	M	32	M	20	18	M	26	M	11
8000	M	3	28	S	7	22	M	32		M	5	25	M	32	M	12	20	M	26	M	24
9000	M	9	17	S	20	13	M	32		S	18	13	M	32	M	5	M	26	M	95	6
10000	S	0																			

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 6 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB
50	S	10																								
100	S	13																								
200	S	10																								
500	S	8																								
1000	S	9																								
2000	S	13																								
5000	S	21																								
6000	S	23																								
7000	S	22																								
8000	S	18																								
9000	S	10																								
10000	S	0																								

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB
50	S	21																								
100	S	33																								
200	S	22																								
500	S	20																								
1000	S	22																								
2000	S	31																								
5000	S	36																								
6000	M	35																								
7000	M	32																								
8000	M	26																								
9000	M	16																								
10000	S	0																								

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB
50	S	34																								
100	S	39																								
200	S	39																								
500	S	38																								
1000	S	39																								
2000	S	40																								
5000	M	36																								
6000	M	35																								
7000	M	32																								
8000	M	26																								
9000	M	16																								
10000	S	0																								

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 6 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left=right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	S	9	24	S	11	21	S	25		S	13	21	S	32		S	98	8	S	11
100	S	3	31	S	5	28	S	27		S	5	28	S	32		S	17	15	S	16
200	S	3	30	S	5	27	S	27		S	5	27	S	32		S	21	14	S	16
500	S	4	30	S	5	27	M	25		S	5	27	S	32		S	20	14	S	16
1000	S	3	30	S	4	27	S	27		S	5	27	S	32		S	18	15	S	16
2000	S	3	31	S	4	28	S	27		S	4	28	S	32		S	17	15	S	16
5000	S	3	30	M	3	29	S	27		S	4	27	S	32		S	18	14	S	16
6000	S	3	29	S	5	26	S	27		S	5	26	S	32		S	22	13	S	16
7000	S	5	26	S	7	24	S	27		S	7	24	S	32		S	11	S	16	S
8000	S	10	20	S	15	18	S	30		S	15	18	S	29		S	95	6	S	18
9000	S		11																	
10000	S		0																	

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	S	9	31	S	15	28	S	27		S	14	28	S	32		M	19	19	S	11
100	S	10	37	S	13	33	S	27		S	13	34	S	27		M	19	24	S	6
200	S	3	37	S	7	34	S	28		S	7	34	S	32		M	11	24	S	16
500	S	2	37	S	2	34	S	27		S	3	34	S	22		S	15	21	S	6
1000	S	2	38	S	3	35	S	27		S	3	35	S	32		M	8	25	S	16
2000	S	4	38	S	6	35	S	27		S	5	35	S	32		M	12	25	S	16
5000	S	1	35	S	2	32	S	22		M	1	33	M	22		M	7	22	S	16
6000	S	1	33	S	2	30	S	22		M	2	32	M	22		S	27	16	S	26
7000	S	2	30	S	3	27	S	30		M	2	29	M	22		S	14	S	26	S
8000	S	3	24	S	7	22	S	32		M	5	23	S	32		S	92	9	S	26
9000	S	11	14	S	25	11	S			S	26	12	S	37		S	97	3	S	26
10000	S		0																	

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	S	18	31	S	23	28	S	25		S	22	29	S	27		M	31	19	S	6
100	S	14	37	S	16	34	S	25		S	16	34	S	27		M	22	24	S	6
200	S	9	37	S	12	34	S	27		S	13	34	S	27		M	19	25	S	16
500	S	5	38	S	7	35	S	37		S	7	35	S	32		M	14	25	S	16
1000	S	6	39	S	8	35	S	27		S	8	36	S	32		M	15	26	S	16
2000	S	9	38	S	10	35	S	22		M	11	37	S	27		M	16	25	S	6
5000	S	1	34	S	3	31	S	22		M	2	33	M	32		M	12	21	S	26
6000	S	1	33	S	3	29	S	22		M	2	31	M	32		S	15	S	26	S
7000	S	1	30	S	4	26	M	32		S	3	27	S	32		S	14	S	26	S
8000	S	3	24	S	8	21	M			S	5	21	S	32		S	93	8	S	26
9000	S	11	14	S	26	11	M			M	17	13	M	27		S	95	3	S	26
10000	S		0																	

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 6 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	S	4	29	S	22	S	32	M		S	10	S	62	S	97	S	16	S	44	S	16
100	S	2	36	S	30	S	32	M		S	10	S	42	S	18	S	16	S	16	S	17
200	S	2	35	M	11	S	32	S	4	S	29	S	32	S	20	S	16	S	18	S	16
500	S	2	35	S	4	29	S	32	S	4	28	S	32	S	20	S	16	S	17	S	16
1000	S	2	35	S	4	28	S	32	S	4	28	S	32	S	18	S	16	S	15	S	16
2000	S	3	34	S	5	27	S	32	S	5	28	S	32	S	17	S	16	S	14	S	16
5000	S	2	36	S	4	30	S	37	S	4	30	S	32	S	16	S	16	S	15	S	16
6000	S	3	35	S	5	29	S	37	S	5	29	S	32	S	29	S	26	S	20	S	26
7000	S	3	33	S	6	27	S	32	S	7	27	S	32	S	81	S	26	S	26	S	14
8000	S	7	25	S	15	19	S	42	S	15	20	S	32	S	97	S	26	S	96	S	26
9000	S		14																		
10000	S		0																		

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET									
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		
50	S	9	38	M	39	S	38	M		S	39	S	19	M	39	M	00	S	13	M	01	
100	M	9	20	M	86	S	18	M	45	M	79	S	19	M	52	M	00	S	26	M	00	
200	S	2	45	S	5	39	S	47	S	87	S	22	S	32	S	10	S	16	S	8	S	16
500	S	1	44	S	94	S	38	S	32	S	3	38	S	32	S	9	S	16	S	7	S	16
1000	S	2	44	S	3	39	S	27	S	3	39	S	32	S	9	S	16	S	7	S	16	
2000	S	3	46	S	4	40	S	42	S	4	41	S	22	S	14	S	16	S	9	S	16	
5000	S	2	45	S	2	39	S	27	S	8	39	S	32	S	10	S	16	S	9	S	16	
6000	S	4	42	S	5	37	S	22	S	13	37	S	32	S	22	S	26	S	21	S	16	
7000	S	4	40	S	5	34	S	27	S	14	34	S	32	S	66	S	26	S	23	S	16	
8000	S	8	32	S	11	26	S	27	S	11	26	S	32	S	98	S	26	S	97	S	21	
9000	M	24	22	S	30	17	S	23	M	62	14	M	29	S	74	S	16	S	8	M	13	
10000	S		-1																			

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	S	15	41	M	36	S	21	M	30	M	34	S	21	M		M	00	S	5	M	5
100	M	7	22	M	60	S	20	M	42	M	83	S	21	M	48	M	01	S	16	M	94
200	S	2	47	M	78	S	23	S	52	S	95	S	24	S	32	S	9	S	16	S	96
500	S	1	47	S	95	S	40	S	52	S	41	S	32	S	9	S	16	S	6	S	16
1000	S	2	47	S	96	S	41	S	42	S	92	S	41	S	32	S	9	S	16	S	7
2000	S	4	49	S	5	43	S	22	S	5	43	S	22	S	14	S	16	S	10	S	16
5000	S	2	46	S	3	40	S	22	M	7	25	S	52	S	10	S	16	S	9	S	16
6000	S	4	43	S	5	37	S	22	S	5	38	S	22	M	97	S	26	S	22	S	16
7000	S	4	42	S	5	35	S	27	S	14	27	S	32	S	21	S	26	S	22	S	16
8000	S	7	33	S	10	27	S	27	M	33	17	S	32	S	14	S	26	S	15	S	26
9000	M	24	19	S	26	19	S	27	M	34	15	M	29	S	45	S	26	M	89	S	21
10000	S		0																		

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 6 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET												
	*	DS	S/N	@ 26 dB	D/U	*	DS	S/N	*	S/I	@ 26 dB	D/U	*	DS	S/N	*	S/I	@ 0 dB	D/U	*	DS	S/N	*	S/I	
Hz		%	dB			%	dB						%	dB						%	dB				
50	S	5	33	S	6	30	S	22		S	7	28	S	32		S	21	14	S	16	S	17	16	S	16
100	S	2	40	M	4	34	S	22		S	3	36	S	22		S	9	21	S	16	S	7	23	S	6
200	S	2	39	M	4	32	S	27		S	2	35	S	32		S	10	20	S	16	S	8	22	S	16
500	S	2	38	M	3	32	S	27		S	2	34	S	32		S	10	20	S	16	S	8	22	S	16
1000	S	1	39	M	3	32	S	27		S	2	34	S	32		S	9	21	S	16	S	7	23	S	16
2000	S	1	41	M	3	34	S	27		S	2	36	S	32		S	8	22	S	16	S	7	24	S	16
5000	S	1	40	S	2	36	S	22		S	2	36	S	32		S	8	21	S	16	S	7	23	S	16
6000	S	1	39	S	2	34	S	22		S	2	34	S	32		S	12	20	S	16	S	9	22	S	16
7000	S	2	36	M	3	31	S	27		S	3	32	S	32		S	16	17	S	26	S	13	19	S	16
8000	S	4	29	S	7	25	S	32		S	7	25	S	32		S	80	11	S	26	S	28	13	S	26
9000	S	11	19	S	22	15	S	37		S	22	16	S	32		S	96	4	S	26	S	96	5	S	21
10000	S		1																						

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET												
	*	DS	S/N	@ 26 dB	D/U	*	DS	S/N	*	S/I	@ 26 dB	D/U	*	DS	S/N	*	S/I	@ 0 dB	D/U	*	DS	S/N	*	S/I	
Hz		%	dB			%	dB						%	dB						%	dB				
50	S	8	40	M	7	33	M	18		M	7	33	M	17		M	12	18	M	-1	S	10	20	S	1
100	S	3	45	S	5	38	S	27		M	4	38	S	32		S	7	26	S	6	S	5	27	S	6
200	S	1	46	M	4	39	S	27		S	3	42	S	32		S	6	27	S	6	S	4	29	S	6
500	S	1	46	S	2	42	S	22		S	2	42	S	32		S	5	28	S	6	S	4	29	S	6
1000	S	1	47	S	2	42	S	22		S	2	42	S	32		S	5	29	S	16	S	4	30	S	6
2000	S	1	46	S	2	42	S	22		S	2	42	S	32		S	5	28	S	16	S	4	29	S	6
5000	S	1	41	S	1	36	S	22		S	1	36	S	22		S	6	22	S	16	S	5	24	S	16
6000	S	1	39	S	2	34	S	22		S	2	35	S	32		S	9	20	S	16	S	7	22	S	16
7000	S	1	36	S	2	32	S	22		S	2	32	S	32		S	13	18	S	16	S	10	19	S	16
8000	S	3	30	S	5	26	M	32		S	5	26	S	32		S	29	11	S	26	S	23	13	S	26
9000	S	9	20	S	18	16	S	35		S	18	16	S	32		S	96	4	S	26	S	95	5	S	21
10000	S		0																						

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET												
	*	DS	S/N	@ 26 dB	D/U	*	DS	S/N	*	S/I	@ 26 dB	D/U	*	DS	S/N	*	S/I	@ 0 dB	D/U	*	DS	S/N	*	S/I	
Hz		%	dB			%	dB						%	dB						%	dB				
50	S	32	45	S	19	39	M			S	18	40	M	7		M	9	26	M		S	19	25	S	-4
100	S	18	46	S	28	42	M			S	28	41	M	1		M	14	27	M		S	32	27	S	-4
200	S	29	49	S	10	42	M			S	10	42	M			S	24	28	S	06	S	18	28	S	06
500	S	10	50	S	19	41	M	1		S	19	41	M	1		M	10	29	M		S	23	28	S	-4
1000	S	22	49	S	20	40	S	13		S	11	40	S	13		S	26	24	S	1	S	21	26	M	18
2000	S	20	48	S	1	36	S	22		S	1	37	S	32		S	6	21	S	16	S	5	23	S	16
5000	S	1	44	S	2	35	S	22		S	2	35	S	32		S	9	19	S	16	S	7	21	S	16
6000	S	1	42	S	2	31	S	22		S	2	32	S	32		S	13	16	S	16	S	10	18	S	16
7000	S	1	39	S	2	31	S	22		S	18	15	S	37		S	95	3	S	26	S	95	4	S	26
8000	S	2	33	S	5	26	S	32		S	5	25	S	32		S	27	10	S	26	S	22	12	S	26
9000	S	8	23	S	18	16	S	32		S	18	15	S	37		S									
10000	S		-1																						

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 6 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB	
50	S	13																									
100	S	16																									
200	S	13																									
500	S	10																									
1000	S	13																									
2000	S	20																									
5000	S	27																									
6000	S	28																									
7000	S	28																									
8000	S	23																									
9000	S	14																									
10000	S	0																									

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB	
50	S	23																									
100	S	30																									
200	S	21																									
500	S	19																									
1000	S	22																									
2000	S	29																									
5000	S	42																									
6000	S	41																									
7000	S	38																									
8000	S	32																									
9000	S	22																									
10000	S	0																									

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB	
50	S	42																									
100	S	46																									
200	S	48																									
500	S	49																									
1000	S	48																									
2000	S	49																									
5000	S	45																									
6000	S	44																									
7000	S	39																									
8000	S	33																									
9000	S	23																									
10000	S	0																									

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 6 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz	%	dB		%	dB		%	dB		%	dB		%	dB	
50	S	7	31	M	7	29	S	27	S	9	25	S	32	S	47
100	S	3	38	M	3	35	S	22	S	4	33	S	32	S	13
200	S	2	37	S	2	33	S	22	S	3	31	S	32	S	15
500	S	2	36	M	2	34	S	27	S	3	32	S	32	S	15
1000	S	2	37	M	2	35	S	27	S	3	31	S	32	S	14
2000	S	2	38	M	2	36	S	27	S	3	33	S	32	S	13
5000	S	1	37	S	2	34	S	27	S	3	31	S	32	S	13
6000	S	2	36	S	2	31	S	32	S	3	30	S	32	S	16
7000	S	2	34	M	3	31	S	32	S	5	27	S	32	S	22
8000	S	5	27	M	7	24	S	32	S	10	21	S	32	S	93
9000	S		18											S	7
10000	S		0											S	26

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz	%	dB		%	dB		%	dB		%	dB		%	dB	
50	S	24	40	M	25	34	M	17	M	24	35	M	15	M	28
100	S	19	45	S	20	38	M	7	S	20	38	M	7	M	14
200	S	3	49	S	6	39	S	32	S	5	41	S	32	M	10
500	S	2	46	M	4	42	S	27	S	3	41	S	32	S	9
1000	S	2	47	S	3	41	S	22	S	3	41	S	22	S	7
2000	S	4	46	S	4	40	S	22	S	4	41	S	22	S	9
5000	S	1	42	S	1	37	S	22	S	1	37	S	22	S	6
6000	S	1	40	S	2	36	S	22	S	1	36	S	22	S	9
7000	S	1	37	S	2	32	S	22	S	2	32	S	32	S	13
8000	S	3	31	S	5	25	M	27	S	5	26	S	32	S	28
9000	S	9	21	S	19	15	M	25	S	19	15	S	32	S	95
10000	S		-1											S	3

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz	%	dB		%	dB		%	dB		%	dB		%	dB	
50	S	40	44	S	25	39	M	5	S	9	40	M	4	M	11
100	S	24	47	S	25	39	M	5	S	9	40	M	4	M	11
200	M	27	53	S	27	40	M	3	S	16	41	M	17	M	20
500	M	11	54	S	15	41	M		M	10	45	M	17	M	15
1000	M	11	54	S	13	42	M		M	11	45	M	17	M	15
2000	M	13	53	S	14	41	S	17	M	13	45	M	12	M	16
5000	M	1	49	S	1	37	S	22	M	1	41	M	22	M	6
6000	M	1	47	S	2	35	S	22	M	1	39	M	22	M	11
7000	M	1	44	S	2	35	S	22	S	2	32	S	22	M	13
8000	S	3	33	S	5	26	M	25	S	5	26	S	32	S	27
9000	S	8	23	S	18	16	M		S	11	16	S	42	S	95
10000	S		-1											S	2

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 6 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
Hz	*	DS	S/N	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB		
50	S	4	31	M		13	S	28		S		13	S	27		S	72	11	S	11	S	26	
100	S	1	40	M		13	S	32		S		3	S	32		S	13	19	S	16	S	11	
200	S	1	38	M		15	S	32		S		3	S	33		S	15	17	S	16	S	12	
500	S	2	38	M		13	S	27		S		3	S	32		S	15	17	S	16	S	12	
1000	S	2	37	M		14	S	27		S		3	S	32		S	13	18	S	16	S	10	
2000	S	2	36	M		14	S	27		S		3	S	31		S	13	19	S	16	S	10	
5000	S	1	39	M		11	22	S	27	S		3	S	33	S	32	S	13	18	S	16	S	11
6000	S	2	38	M		13	21	S	32	S		4	S	32	S	32	S	22	17	S	26	S	16
7000	S	3	36	M		11	23	S	32	S		5	S	30	S	32	S	29	15	S	26	S	20
8000	S	5	28	S		11	22	S	32	S		12	S	22	S	32	S	97	9	S	26	S	95
9000	S		17																				
10000	S		-1																				

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I
Hz	*	DS	S/N	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	
50	S	19	42	M	49	33	M		M	49	34	M		M	50	18	M	06	M	50	20	M	06
100	S	25	49	M	26	40	M	17	S	26	41	M	15	S	27	26	M	-6	S	26	27	M	-9
200	S	4	49	M	49	43	S	37	S	48	42	S	32	S	8	26	S	6	S	6	28	S	6
500	S	2	51	M	61	29	S	27	S	60	44	S	32	S	7	29	S	16	S	5	31	S	6
1000	S	3	51	S	4	44	S	22	S	96	44	S	32	S	8	28	S	6	S	6	30	S	6
2000	S	5	51	S	5	43	S	17	S	5	43	S	22	S	8	28	S	6	S	7	30	S	6
5000	S	1	45	S	1	37	S	22	S	1	38	S	32	S	6	23	S	16	S	5	25	S	16
6000	S	1	43	S	2	35	S	22	S	2	36	S	32	S	9	21	S	16	S	7	23	S	16
7000	S	1	40	S	3	33	S	22	S	2	34	S	32	S	14	18	S	16	S	11	20	S	16
8000	S	3	34	S	5	27	S	37	S	5	28	S	32	S	32	13	S	26	S	23	14	S	26
9000	S	7	23	S	17	17	S	40	S	17	18	S	37	S	97	5	S	26	S	96	5	S	26
10000	S		-1																				

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I
Hz	*	DS	S/N	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	
50	S	91	47	S	20	40	S	12	S	20	40	S	12	S	22	24	S	-4	S	20	26	S	12
100	S	82	48	S	1	39	S	22	S	1	39	S	32	S	6	24	S	16	S	5	25	S	16
200	S		48	S	2	36	S	22	S	2	36	S	32	S	9	21	S	16	S	7	23	S	16
500	S	91	49	M	5	28	S	32	S	5	27	S	32	S	27	12	S	26	S	22	14	S	26
1000	S	43	48	S	17	87	M	30	S	17	87	S	37	S	96	69	S	26	S	96	71	S	26
2000	S	19	46	S	20	40	S	12	S	20	40	S	12	S	22	24	S	-4	S	20	26	S	12
5000	S	1	44	S	1	39	S	22	S	1	39	S	32	S	6	24	S	16	S	5	25	S	16
6000	S	1	42	S	2	36	S	22	S	2	36	S	32	S	9	21	S	16	S	7	23	S	16
7000	S	1	38	S	2	33	S	22	S	2	33	S	32	S	13	18	S	16	S	10	19	S	16
8000	S	2	33	M	5	28	S	32	S	5	27	S	32	S	27	12	S	26	S	22	14	S	26
9000	S	7	90	S	17	87	M	30	S	17	87	S	37	S	96	69	S	26	S	96	71	S	26
10000	S		66																				

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 6 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%		
50	S	7	26	S	8	25	S	22	S	9	25	S	32	S	22	14	S	11	S	17	16	S	6
100	S	3	34	S	3	32	S	22	S	3	32	S	22	S	9	21	S	6	S	7	23	S	6
200	S	2	33	S	3	31	S	22	S	3	31	S	22	S	11	20	S	16	S	8	22	S	6
500	S	3	32	M	4	34	S	32	S	3	31	S	22	S	10	20	S	16	S	8	22	S	6
1000	S	3	33	S	3	31	S	22	S	3	32	S	22	S	9	21	S	16	S	7	23	S	6
2000	S	2	34	S	3	33	S	22	S	3	33	S	22	S	9	22	S	16	S	7	23	S	16
5000	S	2	34	M	3	31	S	22	S	3	32	S	22	S	9	21	S	16	S	7	23	S	16
6000	S	2	32	S	3	31	S	37	S	3	31	S	32	S	12	20	S	16	S	9	21	S	16
7000	S	3	30	S	4	28	S	27	S	4	28	S	32	S	16	17	S	16	S	13	19	S	16
8000	S	7	23	S	9	22	S	27	S	9	22	S	32	S	77	11	S	16	S	29	12	S	16
9000	S	21	13	M	11	S	27	S	28	12	S	27	S	97	4	S	18	S	96	5	S	16	
10000	S	0																					

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%		
50	S	11	34	M	8	30	M	15	S	8	32	S	22	S	15	22	S	1	S	13	23	S	-4
100	S	21	39	S	4	37	M		M	4	37	M	6	S	8	26	M		S	5	28	M	
200	S	3	40	S	5	38	M	25	S	5	38	S	32	S	8	28	S	16	S	5	29	S	6
500	S	2	40	S	3	39	S	27	S	3	39	S	32	S	4	28	S	6	S	3	30	S	6
1000	S	2	41	S	3	39	S	27	S	3	39	S	32	S	5	28	S	6	S	4	30	S	6
2000	S	6	40	S	6	39	S	22	S	2	38	S	22	S	12	28	S	6	S	7	29	S	6
5000	S	1	37	S	2	34	S	22	S	1	34	S	22	S	8	23	S	16	S	5	24	S	16
6000	M	1	36	S	2	32	S	22	M	2	34	M	22	S	11	22	M	16	M	6	24	M	16
7000	M	2	33	S	3	29	S	27	S	2	31	M	32	S	17	18	M	16	M	9	21	M	16
8000	M	3	26	S	6	23	M	32	S	6	23	S	32	S	27	13	M	26	M	21	15	M	16
9000	M	10	17	S	19	13	M	32	M	17	15	M	32	S	6	M	21	M	96	7	M	21	
10000	S	0																					

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%		
50	S	44	35	M	8	37	M		M	8	37	M		M	37	25	S	6	S	29	28	M	
100	S	28	40	S	27	38	M		S	9	38	M	3	M	14	26	M		S	29	28	S	-4
200	S	26	40	S	23	39	M		S	7	39	M	4	S	13	28	M	12	S	26	30	S	1
500	S	22	41	S	21	39	M	4	M	8	40	M	4	M	13	28	M	11	S	23	29	S	-4
1000	S	20	40	S	18	38	M	6	M	9	39	M	6	M	14	27	M	-8	M	18	28	S	-4
2000	S	17	40	S	1	35	S	22	M	1	35	M	22	M	5	24	M	16	S	4	25	M	16
5000	M	1	38	S	2	31	S	22	M	1	34	M	32	M	10	23	M	16	M	5	24	M	16
6000	M	1	36	S	5	25	S	32	M	5	25	M	32	M	26	13	M	26	M	20	15	M	16
7000	M	1	33	S	3	29	S	22	M	2	31	M	32	M	16	20	M	26	M	9	21	M	16
8000	M	3	27	S	6	22	M	32	M	5	25	M	32	M	26	13	M	26	M	20	15	M	16
9000	M	9	17	S	19	13	M	35	M	17	15	M	32	M	6	M	21	M	96	7	M	21	
10000	S	0																					

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 6 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I
	Hz	%	dB		%	dB		dB		%	dB		dB		%	dB		dB
50	S	9																
100	S	12																
200	S	9																
500	S	8																
1000	S	10																
2000	S	16																
5000	S	23																
6000	S	24																
7000	S	24																
8000	S	19																
9000	S	10																
10000	S	1																

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I
	Hz	%	dB		%	dB		dB		%	dB		dB		%	dB		dB
50	S	21																
100	S	33																
200	S	22																
500	S	20																
1000	S	23																
2000	S	32																
5000	S	36																
6000	M	35																
7000	M	32																
8000	M	26																
9000	M	16																
10000	S	1																

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I
	Hz	%	dB		%	dB		dB		%	dB		dB		%	dB		dB
50	S	34																
100	S	39																
200	S	39																
500	S	39																
1000	S	40																
2000	S	40																
5000	M	37																
6000	M	35																
7000	M	31																
8000	M	25																
9000	M	15																
10000	S	1																

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 6 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		
50	S	9	24	S	9	24	S	27	S	11	22	S	32	S	48	10	S	16	S	25	12	S	11
100	S	3	31	M	3	30	M	27	S	5	29	S	32	S	14	17	S	16	S	11	19	S	16
200	S	3	30	M	4	29	S	22	S	5	28	S	32	S	16	16	S	16	S	12	18	S	16
500	S	4	30	M	4	29	S	22	S	4	28	S	22	S	16	16	S	16	S	12	18	S	6
1000	S	3	30	M	3	30	S	27	S	4	28	S	22	S	14	17	S	16	S	11	19	S	16
2000	S	3	31	M	3	31	M	27	S	4	29	S	32	S	13	17	S	16	S	10	19	S	16
5000	S	3	30	M	3	30	M	25	S	4	28	S	32	S	14	16	S	16	S	11	18	S	16
6000	S	4	29	M	4	28	M	25	S	5	27	S	32	S	17	15	S	16	S	14	17	S	16
7000	S	5	27	M	5	26	S	27	S	6	25	S	32	S	24	13	S	16	S	19	15	S	16
8000	S	10	20	S	14	18	M	23	S	13	18	S	32	S	94	7	S	16	S	87	9	S	16
9000	S		11																				
10000	S		0																				

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		
50	S	9	31	M	9	30	S	27	S	12	28	S	32	M	15	20	S	6	S	12	19	S	1
100	S	10	37	S	12	34	S	27	S	12	34	S	27	M	16	25	S	6	S	12	24	S	1
200	S	3	37	S	6	35	S	32	S	6	35	S	32	M	9	26	S	16	S	6	25	S	6
500	S	2	37	S	3	35	S	22	S	3	34	S	22	S	10	23	S	6	S	5	25	S	6
1000	S	2	38	M	2	37	S	27	S	3	35	S	32	S	11	23	S	16	S	5	26	S	6
2000	S	4	38	S	5	35	M	27	S	5	35	S	32	M	10	26	S	16	S	7	25	S	6
5000	S	1	35	S	2	32	S	22	M	1	34	M	22	S	10	20	S	16	S	7	22	S	16
6000	S	1	33	S	2	31	S	22	S	2	31	S	22	S	17	18	S	16	S	8	21	S	16
7000	S	2	30	S	3	28	S	27	S	2	28	S	22	S	19	16	S	26	S	12	18	S	16
8000	S	3	24	S	7	22	M	28	S	5	22	S	32	S	10	8	S	26	S	27	12	S	26
9000	S	11	15	M	17	13	S	35	M	16	13	S	37	S	95	4	S	26	S	95	5	S	21
10000	S		0																				

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		
50	S	18	32	M	22	31	S	22	S	21	30	S	24	M	28	21	S	3	S	20	20	S	-2
100	S	14	37	S	15	35	S	22	S	15	35	S	22	M	20	26	S	6	S	16	25	S	1
200	S	9	38	S	11	35	S	27	S	11	35	S	27	M	17	26	S	6	S	12	25	S	6
500	S	5	38	S	6	36	S	27	S	6	36	S	32	M	12	27	S	16	S	8	26	S	6
1000	S	6	39	S	7	37	S	22	S	7	37	S	22	M	13	28	S	16	S	8	26	S	6
2000	S	9	38	S	10	36	S	22	S	11	36	S	22	M	15	27	S	11	S	11	26	S	1
5000	S	1	35	S	3	32	S	22	S	1	34	S	32	M	8	23	S	16	S	10	22	S	16
6000	S	1	33	S	3	31	S	22	S	2	31	S	32	S	26	18	S	26	S	11	21	S	16
7000	S	1	30	S	3	28	S	27	M	2	29	M	22	S	22	16	S	26	S	14	18	S	16
8000	S	3	24	S	6	22	S	27	S	4	23	S	32	S	63	11	S	26	S	26	12	S	26
9000	S	10	14	S	20	13	S	37	M	14	13	S	32	S	96	4	S	26	S	95	4	S	21
10000	S		0																				

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 6 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
Hz	%	dB	%	dB	%	dB	%	dB	%	%	dB	%	dB	%	dB	%	dB	%	dB	%			
50	S	4	29	M	11	S	37	M	11	S	52	S	72	11	S	16	S	26	12	S	16		
100	S	2	37	M	11	S	42	S	4	32	S	32	S	14	18	S	16	S	11	20	S	16	
200	S	2	35	S	4	30	S	32	S	4	30	S	32	S	16	17	S	16	S	13	19	S	16
500	S	2	35	S	4	30	S	32	S	3	30	S	32	S	16	16	S	16	S	13	18	S	16
1000	S	2	34	M	11	S	27	S	4	29	S	32	S	14	18	S	16	S	11	19	S	16	
2000	S	3	33	M	11	S	27	S	4	29	S	32	S	14	18	S	16	S	11	20	S	16	
5000	S	2	36	S	4	31	S	27	S	4	31	S	32	S	14	18	S	16	S	11	20	S	16
6000	S	3	35	S	4	30	S	37	S	4	30	S	32	S	23	17	S	26	S	16	19	S	16
7000	S	3	33	S	6	28	S	37	S	6	29	S	32	S	15	26	S	21	17	S	16		
8000	S	8	25	S	13	21	S	32	S	13	21	S	32	S	97	8	S	26	S	94	10	S	21
9000	S		14																				
10000	S		0																				

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I					
Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%				
50	S	9	39	M	33	20	M	37	S	29	34	S	27	S	17	20	S	6	S	14	22	S	1
100	S	5	46	M	78	18	M		M	81	19	M		M	00	5	M	06	M	97	6	M	06
200	S	2	45	S	5	41	S	47	S	74	41	S	32	S	7	26	S	16	S	6	28	S	6
500	S	1	44	S	3	41	S	32	S		40	S	32	S	7	26	S	16	S	5	28	S	6
1000	S	2	44	S	3	40	S	37	S	2	40	S	22	S	7	27	S	16	S	5	29	S	6
2000	S	3	46	M	27	23	S	22	S	4	41	S	22	S	11	28	S	16	S	7	29	S	6
5000	S	2	44	S	2	40	S	22	S	6	41	S	32	S	8	26	S	16	S	7	28	S	16
6000	S	4	42	S	5	38	S	22	S	11	38	S	32	S	25	24	S	26	S	16	25	S	16
7000	S	4	40	S	5	36	S	22	S	12	36	S	32	S	25	21	S	16	S	17	24	S	16
8000	S	8	31	S	10	27	S	27	S	22	27	S	32	S	98	15	S	26	S	87	16	S	16
9000	M	23	22	S	24	18	S	22	S	30	18	S	21	S	75	9	M	25	S	9	M	20	
10000	S		1																				

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I					
Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%				
50	S	15	41	M	29	22	M	27	S	27	37	S	22	S	21	23	S	1	S	18	25	S	-2
100	S	8	49	M	65	21	M	47	M	54	21	M	47	M	96	6	M	16	M	54	8	M	16
200	S	2	47	S	85	23	S	47	M		24	S	82	S	7	29	S	6	S	5	31	S	6
500	S	1	47	S		42	S	37	S		43	S	32	S	6	29	S	16	S	5	31	S	6
1000	S	2	47	S	3	43	S	37	S	2	43	S	22	S	7	30	S	16	S	5	32	S	6
2000	S	5	48	M	34	26	S	22	S	5	44	S	22	S	12	30	S	16	S	8	32	S	6
5000	S	2	46	S	2	41	S	22	M	6	27	S	42	S	8	27	S	16	S	7	29	S	16
6000	S	5	43	S	5	38	S	22	M	12	28	S	52	M		16	S	26	S	17	26	S	16
7000	S	4	41	S	5	36	S	22	S	13	36	S	32	S	24	23	S	16	S	17	25	S	16
8000	S	8	33	S	10	28	S	27	M	26	19	S	32	S	97	16	S	26	S	88	17	S	16
9000	M	23	19	S	25	19	S	22	M	30	16	M	28	M	52	11	M	25	M	8	M	18	
10000	S		0																				

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 6 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	S	5	30	M	7	25	S	27	S	7	26	S	32	S	22	14	S	16	S	17	16
100	S	2	38	M	4	32	M	22	S	3	34	S	22	S	9	21	S	16	S	7	23
200	S	2	37	M	4	30	S	27	S	3	33	S	22	S	10	20	S	16	S	8	22
500	S	2	36	M	3	30	S	22	S	3	33	S	22	S	10	20	S	16	S	8	22
1000	S	2	37	M	3	31	S	22	S	3	33	S	22	S	9	21	S	16	S	7	23
2000	S	2	38	M	3	32	S	22	S	2	35	S	22	S	8	22	S	16	S	7	24
5000	S	2	38	S	3	34	S	27	S	2	34	S	32	S	9	21	S	16	S	7	23
6000	S	2	36	S	3	33	S	32	S	3	33	S	32	S	12	20	S	16	S	9	22
7000	S	3	34	S	4	30	S	32	S	4	30	S	32	S	16	17	S	16	S	13	19
8000	S	6	27	M	11	22	S	27	S	8	24	S	32	S	70	11	S	16	S	28	13
9000	S	19	17	S	28	14	M	30	S	27	14	S	29	S	96	4	S	18	S	96	5
10000	S	0																			

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	S	7	37	M	7	31	M	20	M	6	31	M	18	M	12	18	M	0	S	10	23
100	S	3	42	S	3	38	S	22	M	4	36	S	32	S	7	26	S	6	S	5	27
200	S	2	43	S	3	40	S	32	S	3	39	S	32	S	6	27	S	6	S	4	28
500	S	1	44	S	2	40	S	27	S	2	40	S	22	S	5	28	S	6	S	4	30
1000	S	1	45	S	2	40	S	22	S	2	41	S	32	S	5	28	S	16	S	4	30
2000	S	1	44	S	2	40	S	22	S	2	40	S	32	S	5	28	S	16	S	4	29
5000	S	1	39	S	1	35	S	22	S	2	35	S	22	S	7	22	S	16	S	5	24
6000	S	1	37	S	2	33	S	22	S	2	33	S	32	S	9	20	S	16	S	7	22
7000	S	2	34	S	3	30	S	27	S	3	31	S	32	S	13	18	S	16	S	10	19
8000	S	5	28	S	7	24	M	27	S	7	24	S	32	S	35	11	S	16	S	23	13
9000	S	16	18	S	24	14	S	30	S	23	14	S	29	S	96	4	S	18	S	95	5
10000	S	0																			

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	S	33	41	S	18	37	M	7	S	18	38	M		M	9	26	M		S	19	25
100	S	18	42	S	28	39	M	7	S	29	39	M		M	14	27	M		S	32	27
200	S	29	44	S	2	42	M	8	S	10	40	M	8	S	24	27	S	06	S	18	28
500	S	11	44	S	19	40	M	1	S	19	40	M	1	M	10	28	M		S	23	27
1000	S	21	44	S	20	39	S	13	S	11	39	S	13	S	25	24	S	1	S	21	26
2000	S	20	43	S	2	35	S	22	S	1	35	S	22	S	7	21	S	16	S	5	23
5000	S	1	40	M	1	37	S	27	S	2	34	S	22	S	9	20	S	16	S	6	21
6000	S	1	38	M	2	33	S	27	S	3	30	S	32	S	13	16	S	16	S	10	18
7000	S	2	35	M	5	27	S	27	S	6	25	S	32	S	26	11	S	16	S	21	13
8000	S	4	29	M	16	17	S	30	S	21	14	S	32	S	94	3	S	18	S	95	4
9000	S	15	19	M	0																
10000	S	0																			

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 6 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET				
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB
50	S	10															
100	S	12															
200	S	8															
500	S	5															
1000	S	9															
2000	S	16															
5000	S	23															
6000	S	25															
7000	S	24															
8000	S	20															
9000	S	10															
10000	S	0															

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET				
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB
50	S	19															
100	S	22															
200	S	17															
500	S	14															
1000	S	18															
2000	S	25															
5000	S	38															
6000	S	37															
7000	S	34															
8000	S	28															
9000	S	18															
10000	S	0															

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET				
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB
50	S	38															
100	S	42															
200	S	43															
500	S	44															
1000	S	44															
2000	S	44															
5000	S	42															
6000	S	38															
7000	S	35															
8000	S	29															
9000	S	19															
10000	S	0															

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 6 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB	dB	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB	
50	S	7	27	M	6	27	S	27		S	9	24	S	27	S	31	10	S	16	S	24
100	S	3	35	S	4	31	S	22		S	4	31	S	32	S	13	17	S	16	S	10
200	S	3	34	S	3	31	M	22		S	3	34	S	22	S	15	16	S	16	S	11
500	S	3	33	M	3	33	S	27		S	3	30	S	32	S	15	16	S	16	S	11
1000	S	3	34	M	3	32	S	27		S	3	30	S	32	S	13	17	S	16	S	10
2000	S	3	35	M	2	35	S	27		S	3	31	S	32	S	12	18	S	16	S	10
5000	S	2	34	M	2	33	S	27		S	3	30	S	32	S	12	17	S	16	S	10
6000	S	3	33	M	3	32	S	27		S	4	29	S	32	S	16	16	S	16	S	13
7000	S	4	31	M	3	30	S	27		S	5	27	S	32	S	21	14	S	16	S	17
8000	S	8	25	M	8	22	S	32		S	11	21	S	32	S	92	8	S	16	S	70
9000	S		14																		10
10000	S		1																		S

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB	dB	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB	
50	S	24	37	S	25	34	M	17		S	24	34	M	15	M	27	22	S	-3	S	24
100	S	19	41	S	20	38	M			S	20	38	M	7	M	13	26	M	10	S	21
200	S	3	45	S	6	39	S	37		M	5	40	S	32	S	10	27	S	6	S	5
500	S	3	43	S	4	39	S	27		S	3	39	S	32	S	9	25	S	6	S	4
1000	S	3	43	S	3	39	S	22		S	3	39	S	22	S	7	25	S	6	S	4
2000	S	4	43	S	4	39	S	22		S	8	39	S	32	S	8	25	S	6	S	5
5000	S	1	39	S	1	35	S	22		S	1	36	S	22	S	6	22	S	16	S	4
6000	S	1	37	S	2	34	S	22		S	1	34	S	22	S	9	20	S	16	S	6
7000	S	2	34	S	3	30	M	25		S	3	30	S	32	S	13	17	S	16	S	10
8000	S	5	28	S	7	24	M			S	7	24	S	32	S	28	11	S	16	S	23
9000	S	17	18	S	23	14	M			S	24	14	S	29	S	95	3	S	18	S	94
10000	S		0																		4

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB	dB	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB	
50	S	41	39	S	25	37	M	5		S	9	38	M		M	11	26	M		S	25
100	S	24	42	S	27	38	M	3		S	16	39	M	2	M	20	27	M		M	18
200	M	27	47	S	14	39	S			M	10	42	M	17	M	15	28	M	1	M	12
500	M	11	47	S	12	40	M	32		M	11	43	M	17	M	14	29	M	6	M	12
1000	M	11	48	S	14	39	M	12		M	13	42	M	12	M	15	28	M	1	M	14
2000	M	13	47	S	2	35	S	22		M	1	38	M	22	M	7	25	S	16	M	5
5000	M	1	43	S	2	33	S	22		M	1	37	M	22	M	10	23	S	16	M	6
6000	M	1	42	S	2	33	S	23		M	3	30	S	32	M	13	20	S	16	M	10
7000	M	2	39	S	3	30	M	23		S	6	24	S	32	S	26	11	S	16	S	21
8000	S	4	29	M	4	27	S	27		S	22	14	S	32	S	95	3	S	21	S	16
9000	S	14	19	S	22	14	M													S	96
10000	S		0																		4

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 6 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U			*	DS	S/N	*	S/I	@ 0 dB D/U			*	DS	S/N	*	S/I	
				%	dB	%						%	dB	%						
Hz																				
50	S	5	28	M		10	S	38	M		11	S	32	S	72	11	S	16	S	
100	S	2	36	M		11	S	32	S	4	32	S	32	S	14	18	S	16	S	
200	S	2	35	M		12	S	32	S	4	30	S	32	S	16	17	S	16	S	
500	S	2	34	M		32	S	27	S	4	30	S	32	S	16	17	S	16	S	
1000	S	2	34	S		32	S	27	S	4	30	S	32	S	14	18	S	16	S	
2000	S	3	33	M		12	S	27	S	5	29	S	32	S	13	19	S	16	S	
5000	S	2	35	M		14	20	S	27	S	4	32	S	32	S	14	18	S	16	S
6000	S	3	35	M		15	20	S	27	S	4	31	S	32	S	22	17	S	16	S
7000	S	4	32	S		6	29	S	27	S	6	29	S	32	S	29	15	S	16	S
8000	S	9	25	S		14	21	S	32	S	14	21	S	32	S	97	9	S	21	S
9000	S		13																	
10000	S		0																	

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET						
	*	DS	S/N	@ 26 dB D/U			*	DS	S/N	*	S/I	@ 0 dB D/U			*	DS	S/N	*	S/I
				%	dB	%						%	dB	%					
Hz																			
50	S	19	41	M	49	32	M		M	49	32	M		M	50	17	M	06	M
100	S	26	44	M	26	38	M	15	S	26	40	M	15	S	27	26	M	-8	S
200	S	33	45																
500	S	2	47	M	61	28	S	27	S	60	43	S	32	S	7	29	S	6	S
1000	S	3	47	S	4	42	S	22	S	92	43	S	32	S	8	29	S	6	S
2000	S	5	47	S	5	42	S	17	S	5	42	S	22	S	8	28	S	6	S
5000	S	1	41	S	2	37	S	22	S	1	37	S	22	S	6	23	S	16	S
6000	S	1	39	S	2	34	S	22	S	2	35	S	22	S	9	21	S	16	S
7000	S	2	36	S	3	32	S	27	S	3	32	S	32	S	14	18	S	16	S
8000	S	5	30	M	8	24	S	27	S	7	26	S	32	S	44	12	S	16	S
9000	S	15	20	S	23	15	S		S	23	15	S	29	S	97	5	S	21	S
10000	S		0																

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET						
	*	DS	S/N	@ 26 dB D/U			*	DS	S/N	*	S/I	@ 0 dB D/U			*	DS	S/N	*	S/I
				%	dB	%						%	dB	%					
Hz																			
50	S	91	42																
100	S	82	43																
200	S		43																
500	S	91	45																
1000	S	43	43																
2000	S	19	42	S	20	38	S	10	S	20	38	S	12	S	22	25	S	-2	S
5000	S	1	41	S	2	37	S	22	S	1	37	S	22	S	6	24	S	16	S
6000	S	1	39	S	2	35	S	22	S	2	34	S	32	S	9	21	S	16	S
7000	S	2	35	S	3	30	M	27	S	3	31	S	32	S	13	18	S	16	S
8000	S	4	30	S	6	25	M	27	S	6	25	S	32	S	27	12	S	16	S
9000	S	14	88	S	21	86	S	30	S	21	86	S	29	S	96	4	S	18	S
10000	S		69																

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 6 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET						
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	
Hz	%	dB		%	dB		%	dB	%	dB		%		%	dB		dB		
50	S	7	26	S	8	24	S	22	S	9	25	S	27	S	21	14	S	11	
100	S	3	33	M	5	29	S	22	S	3	32	S	22	S	9	21	S	6	
200	S	3	32	S	3	30	S	22	S	3	30	S	22	S	10	20	S	16	
500	S	3	32	S	4	24	S	22	S	3	30	S	22	S	11	20	S	16	
1000	S	3	32	M	4	28	S	22	S	3	31	S	22	S	9	21	S	6	
2000	S	2	33	S	3	32	S	22	S	3	32	S	22	S	9	22	S	16	
5000	S	2	33	M	3	30	S	22	S	3	31	S	22	S	9	21	S	16	
6000	S	3	31	S	3	30	S	22	S	4	30	S	22	S	12	20	S	16	
7000	S	4	29	S	5	27	S	22	S	4	27	S	22	S	16	17	S	16	
8000	S	8	23	S	10	21	S		S	10	21	S	27	S	77	11	S	16	
9000	S	25	13	S	31	11	S		S	35	11	S	27	S	97	4	S	16	
10000	S	0													S	96	5	S	14

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET						
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	
Hz	%	dB		%	dB		%	dB	%	dB		%		%	dB		dB		
50	S	10	33	S	7	30	S	22	M	7	30	M	15	M	10	19	M	-5	
100	S	21	38	S	4	37	M		M	4	37	M		S	8	26	M	13	
200	S	3	39	S	5	38	M		S	5	38	S	32	S	8	28	S	16	
500	S	2	39	M	3	38	M	27	S	3	38	S	32	S	4	28	S	6	
1000	S	2	40	S	3	39	S	27	S	3	39	S	32	S	5	29	S	6	
2000	S	6	40	S	6	38	S	22	S	2	38	S	22	S	10	27	S	6	
5000	S	1	35	S	2	33	S	22	S	1	33	S	22	S	7	24	S	16	
6000	M	1	35	S	2	31	S	27	M	2	33	M	22	S	10	22	M	16	
7000	M	2	32	S	3	30	S	27	S	3	29	S	32	S	17	20	M	16	
8000	M	5	26	S	7	22	S	27	S	6	24	S	32	M	13	16	M	20	
9000	M	14	16	S	23	13	S	32	M	20	15	M	27	M	6	M	18	M	16
10000	S	0													M	96	7	M	16

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET						
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	
Hz	%	dB		%	dB		%	dB	%	dB		%		%	dB		dB		
50	S	44	34																
100	S	28	39	M	8	37	M		M	7	37	M		M	37	26	S	5	
200	S	26	39	S	27	38	M		S	9	38	M	3	S	36	27	S	6	
500	S	22	40	S	23	38	M		S	7	38	M	4	S	33	28	S	8	
1000	S	20	40	S	21	38	M	4	S	8	38	M	4	M	13	28	M	11	
2000	S	17	39	S	18	37	M	6	M	9	38	M	6	M	14	27	M	-8	
5000	M	1	37	S	2	33	S	22	M	1	35	M	22	M	5	24	M	16	
6000	M	1	35	S	2	31	S	22	M	2	34	M	22	M	9	23	M	16	
7000	M	2	32	S	3	28	M	32	M	3	30	M	32	M	16	20	M	16	
8000	M	4	26	S	7	22	M	37	M	6	24	M	32	M	26	14	M	16	
9000	M	13	16	S	22	13	S	32	M	20	15	M	32	M	98	6	M	21	
10000	S	0													M	96	7	M	21

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 6 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET				
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB
50	S	9															
100	S	11															
200	S	7															
500	S	6															
1000	S	8															
2000	S	15															
5000	S	22															
6000	S	23															
7000	S	23															
8000	S	18															
9000	S	9															
10000	S	0															

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET				
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB
50	S	20															
100	S	31															
200	S	20															
500	S	18															
1000	S	21															
2000	S	30															
5000	S	36															
6000	M	34															
7000	M	31															
8000	M	25															
9000	M	15															
10000	S	1															

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET				
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB
50	S	33															
100	S	37															
200	S	37															
500	S	37															
1000	S	38															
2000	S	39															
5000	M	36															
6000	M	34															
7000	M	30															
8000	M	25															
9000	M	14															
10000	S	1															

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 6 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET															
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	S	9	24	S	10	22	S	23	S	10	22	S	32	S	31	10	S	16	S	24	12	S	11	S	10	20	S	6
100	S	4	30	M	3	30	S	20	S	4	29	S	22	S	13	18	S	16	S	10	20	S	6	S	12	18	S	16
200	S	4	29	M	4	29	S	22	S	4	28	S	22	S	15	16	S	16	S	12	19	S	16	S	12	19	S	16
500	S	4	29	S	4	28	S	22	S	4	27	S	22	S	15	16	S	16	S	10	19	S	6	S	12	19	S	16
1000	S	4	29	S	4	29	S	21	S	4	28	S	22	S	14	17	S	16	S	10	20	S	16	S	10	20	S	16
2000	S	4	31	M	3	31	S	22	S	4	29	S	22	S	13	18	S	16	S	10	20	S	16	S	11	19	S	16
5000	S	3	30	S	3	29	S	22	S	4	28	S	22	S	14	17	S	16	S	11	19	S	16	S	12	19	S	16
6000	S	4	28	M	4	28	S	22	S	5	26	S	32	S	17	15	S	16	S	14	17	S	16	S	12	19	S	16
7000	S	5	26	M	5	26	S	27	S	7	24	S	32	S	24	13	S	16	S	19	15	S	16	S	17	20	S	16
8000	S	12	20	S	15	18	S	25	S	15	18	S	27	S	95	7	S	16	S	88	9	S	13	S	11	19	S	16
9000	S																											
10000	S																											

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET															
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	S	8	30	S	10	29	S	23	S	11	28	S	32	M	14	21	S	6	S	11	19	S	1	S	12	25	S	1
100	S	10	36	S	12	34	S	22	S	12	34	S	27	M	16	26	S	6	S	5	25	S	6	S	5	25	S	6
200	S	3	36	S	5	34	S	32	S	6	34	S	32	M	8	26	S	16	S	5	25	S	6	S	5	25	S	6
500	S	3	37	S	3	35	S	22	S	3	35	S	22	S	10	23	S	6	S	5	26	S	6	S	5	26	S	6
1000	S	2	37	S	3	35	S	27	S	3	35	S	32	S	11	23	S	6	S	5	26	S	6	S	7	26	S	6
2000	S	4	37	S	5	35	S	27	S	5	35	S	32	M	10	27	S	16	S	7	26	S	6	S	10	21	S	16
5000	S	1	34	S	2	32	S	22	S	1	32	S	22	S	10	21	S	16	S	7	23	S	16	S	8	21	S	16
6000	S	2	32	S	2	30	S	27	S	2	30	S	22	S	15	19	S	16	S	8	21	S	16	S	12	19	S	16
7000	S	2	29	S	4	27	S	26	S	2	28	S	22	S	18	17	S	16	S	12	19	S	16	S	26	12	S	16
8000	S	5	24	S	8	21	S	32	S	5	22	S	22	S	61	11	S	16	S	26	12	S	16	S	95	5	S	16
9000	S	16	14	S	25	12	M		M	18	13	M	22	S	95	4	S	18	S	95	5	S	16	S	94	5	S	16
10000	S																											

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET															
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	S	17	31	S	20	29	S	22	S	20	29	S	24	M	27	21	S	3	S	20	20	S	-2	S	15	25	S	1
100	S	13	37	S	15	35	S	22	S	15	34	S	22	M	19	26	S	3	S	12	26	S	6	S	7	26	S	6
200	S	9	37	S	11	35	S	25	S	11	35	S	22	M	17	27	S	6	S	8	27	S	8	S	11	26	S	1
500	S	5	38	S	6	36	S	37	S	6	35	S	32	M	12	27	S	16	S	7	26	S	6	S	24	18	S	16
1000	S	6	38	S	7	36	S	22	S	7	36	S	22	M	15	27	S	8	S	8	27	S	8	S	11	23	S	16
2000	S	9	38	S	9	36	S	22	S	10	36	S	22	M	8	19	S	16	S	10	23	S	16	S	21	16	S	16
5000	S	2	34	S	3	32	S	27	M	2	33	M	22	S	24	18	S	16	S	11	21	S	16	S	13	18	S	16
6000	S	2	32	S	3	30	S	27	S	2	30	S	22	S	21	16	S	16	S	13	18	S	16	S	25	13	S	16
7000	S	2	30	S	4	28	S	26	S	3	28	S	22	S	11	16	S	16	S	25	13	S	16	S	94	5	S	16
8000	S	5	24	S	8	22	S	32	S	5	22	S	22	S	95	4	S	21	S	94	5	S	16	S	94	5	S	16
9000	S	16	14	S	25	12	S		M	18	13	M	22	S	95	4	S	21	S	94	5	S	16	S	94	5	S	16
10000	S																											

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 6 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET						
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I	
Hz	%	dB		%	dB	dB		%	dB	dB	%	dB	dB	%	dB	dB			
50	S	5	27	S		9	S	32	M		10	S	52	S	71	11	S	16	
100	S	2	35	S		31	S	32	S		4	31	S	32	S	14	18	S	16
200	S	2	33	S		29	S	32	S		4	30	S	32	S	15	17	S	16
500	S	3	33	M		12	M	27	S		4	29	S	32	S	16	17	S	16
1000	S	3	33	S		31	S	32	S		4	29	S	32	S	14	18	S	16
2000	S	3	32	M		31	S	32	S		5	28	S	32	S	14	19	S	16
5000	S	3	34	M		16	18	S	27	S	4	30	S	32	S	14	18	S	16
6000	S	3	33	S		5	29	S	27	S	5	29	S	32	S	22	17	S	16
7000	S	4	31	S		6	27	S	37	S	6	27	S	32	S	32	15	S	16
8000	S	11	23	S		16	19	S		S	15	20	S	32	S	97	8	S	21
9000	S		12												S	93	10	S	16
10000	S		0																

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I					
Hz	%	dB		%	dB	dB		%	dB	dB	%	dB	dB	%	dB	dB							
50	S	9	36	M	32	18	M	42	M	31	18	M	42	M	6	M	16	M	93	8	M	16	
100	M	12	18	M	67	17	M	41	M	50	17	M	42	M	5	M	16	M	95	6	M	13	
200	S	2	43	S	86	39	S	42	S	80	39	S	32	S	7	26	S	16	S	6	28	S	6
500	S	2	42	S	3	39	S	37	S	2	39	S	32	S	7	26	S	16	S	5	28	S	6
1000	S	2	42	S	3	39	S	37	S	2	39	S	22	S	7	27	S	16	S	5	29	S	6
2000	S	3	44	S	4	40	S	22	S	4	40	S	22	S	11	28	S	16	S	7	30	S	6
5000	S	2	42	S	2	39	S	22	S	7	39	S	32	S	8	26	S	16	S	7	28	S	16
6000	S	4	40	S	5	36	S	22	S	12	36	S	32	S	25	23	S	26	S	16	25	S	16
7000	S	5	38	S	5	34	S	22	S	12	34	S	32	S	25	21	S	16	S	17	23	S	16
8000	S	9	29	S	11	26	S	27	M	23	19	S	32	S	14	26	S	26	S	86	16	S	16
9000	M	27	20	S	30	17	S	22	M	61	14	M	27	S	85	9	M	21	S	98	8	M	17
10000	S		0																				

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I					
Hz	%	dB		%	dB	dB		%	dB	dB	%	dB	dB	%	dB	dB							
50	S	15	39	M	28	21	M		M	27	21	M	27	M	94	8	M		M	32	10	M	
100	M	9	21	M	50	19	M	42	M	52	20	M	41	M	98	6	M	15	M	51	8	M	11
200	S	2	45	M	72	23	S	52	S		42	S	32	S	7	29	S	6	S	5	31	S	6
500	S	2	45	M	90	23	S	32	S		42	S	32	S	6	29	S	6	S	5	31	S	6
1000	S	2	45	S	3	42	S	27	S		42	S	32	S	7	30	S	16	S	5	32	S	6
2000	S	5	46	S	5	43	S	22	S	33	43	S	32	S	9	30	S	6	S	8	32	S	6
5000	S	2	44	S	3	40	S	22	M	6	27	S	42	S	8	27	S	16	S	7	29	S	16
6000	S	5	41	S	5	37	S	22	S	12	28	S	32	S		24	S	26	S	17	26	S	16
7000	S	5	39	S	5	35	S	22	S	13	27	S	32	S	24	23	S	16	S	16	25	S	16
8000	S	9	31	S	11	27	S	27	M	30	18	S	27	S	98	16	S	21	S	17	17	S	16
9000	M	27	18	S	28	18	S	22	M	34	15	M	27	S	53	10	M	23	M	9	M	16	
10000	S		0																				

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

**Appendix G. Measurement results from testing
receiver no. 6 at 1330 kHz.**

PAGE	SOURCE	MODULATION MATRIX	FIELD STRENGTH
176	C-Quam exciter	left only	10. mV/m
177	C-Quam exciter	right only	10. mV/m
178	C-Quam exciter	left=right	10. mV/m
179	C-Quam exciter	left=-right	10. mV/m
180	C-Quam generator	left only	10. mV/m
181	C-Quam generator	right only	10. mV/m
182	C-Quam generator	left=right	10. mV/m
183	C-Quam generator	left=-right	10. mV/m
184	C-Quam exciter	left only	.5 mV/m
185	C-Quam exciter	right only	.5 mV/m
186	C-Quam exciter	left=right	.5 mV/m
187	C-Quam exciter	left=-right	.5 mV/m
188	C-Quam generator	left only	.5 mV/m
189	C-Quam generator	right only	.5 mV/m
190	C-Quam generator	left=right	.5 mV/m
191	C-Quam generator	left=-right	.5 mV/m
192	C-Quam exciter	left only	.1 mV/m
193	C-Quam exciter	right only	.1 mV/m
194	C-Quam exciter	left=right	.1 mV/m
195	C-Quam exciter	left=-right	.1 mV/m
196	C-Quam generator	left only	.1 mV/m
197	C-Quam generator	right only	.1 mV/m
198	C-Quam generator	left=right	.1 mV/m
199	C-Quam generator	left=-right	.1 mV/m

Table of performance measurements on receiver number 7 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET									
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	S	25	25	M	8	17	S	10	M	10	25	M	12	S	29	16	S	-3	S	27	19	
100	S	4	38	M	3	36	M	17	M	5	36	M	22	S	6	29	S	6	S	5	31	
200	S	2	36	S	6	26	S	28	M	3	33	S	32	S	5	26	S	6	S	4	28	
500	S	3	31	S	9	21	S		M	5	27	M	27	S	10	20	S	16	S	7	23	
1000	S	4	29	S	10	20	S	33	M	5	25	M	24	S	12	19	S	11	S	9	21	
2000	S	4	28	S	11	20	S	37	M	7	25	S	42	S	12	19	S	16	S	9	21	
5000	S	9	21	S	26	13	M	42	M	15	17	S	42	S	27	12	S	11	S	20	14	
6000	S	20	15	S	7	S			M	9	S	42		S	96	6	S	11	S	93	8	
7000	S		10																		S	8
8000	S		4																			
9000	S		1																			
10000	S		0																			

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET									
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	S	20	35	M	11	34	M	12	M	12	34	M		M	11	24	M		M	10	26	
100	S	6	45	M	4	41	M	17	M	4	42	M	17	M	3	32	M		M	2	34	
200	S	2	44	S	4	35	S	27	M	3	41	S	32	S	3	34	S	6	S	2	37	
500	S	2	39	S	4	30	M	32	M	2	37	M	22	S	4	29	S	6	S	3	32	
1000	S	2	38	S	5	28	M	30	M	2	35	M	22	S	5	27	S	6	S	4	30	
2000	S	3	36	S	6	27	S	42	M	8	33	S	42	S	6	26	S	6	S	5	28	
5000	M	3	30	S	14	17	S	32	M	6	25	M	32	M	16	16	M	16	M	12	18	
6000	M	7	18	S	35	10	M	35	M	15	17	M	32	M	85	8	M	16	M	35	11	
7000	M		13																			
8000	M		6																			
9000	M		2																			
10000	S		-1																			

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET									
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	S	89	42	M	7	47	M		M	7	47	M	12	S	13	31	M		S	13	33	
100	S	14	43	M	23	46	M	4	M	6	47	M	12	S	23	33	M		S	23	36	
200	S	23	45	S	2	30	M	7	M	2	43	M	8	S	14	29	S	-4	S	12	32	
500	S	12	52	S	19	28	M		M	5	41	M		M	6	31	M		S	22	30	
1000	S	22	39	S	11	27	M	17	M	5	40	M	17	M	7	29	M	-4	M	6	32	
2000	M	6	49	S	13	18	M	37	M	4	27	M	32	M	13	17	M	16	M	10	20	
5000	M	2	36	S	29	11	M	37	M	9	21	M	42	M	29	10	M	26	M	21	13	
6000	M		23																			
7000	M		15																			
8000	M		9																			
9000	M		1																			
10000	S																					

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 7 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB		%	dB	dB		dB		%	dB	dB		dB	%	dB	dB		dB	%	dB	dB		dB		
50	S		16																								
100	S		24																								
200	S		20																								
500	S		13																								
1000	S		13																								
2000	S		20																								
5000	S		17																								
6000	S		12																								
7000	S		8																								
8000	S		4																								
9000	S		3																								
10000	S		1																								

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB		%	dB	dB		dB		%	dB	dB		dB	%	dB	dB		dB	%	dB	dB		dB		
50	S		25																								
100	S		33																								
200	S		28																								
500	S		21																								
1000	S		23																								
2000	S		29																								
5000	S		26																								
6000	S		20																								
7000	S		14																								
8000	M		10																								
9000	S		4																								
10000	S		-1																								

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB		%	dB	dB		dB		%	dB	dB		dB	%	dB	dB		dB	%	dB	dB		dB		
50	S		39																								
100	M		53																								
200	M		54																								
500	M		48																								
1000	M		45																								
2000	M		39																								
5000	M		33																								
6000	M		25																								
7000	M		18																								
8000	M		11																								
9000	M		6																								
10000	S		-1																								

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 7 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	%	dB		%	dB	%	dB		dB	%	dB	%	dB		dB	%	dB	%	dB		
50	S	42	23																		
100	S	9	36	M	4	26	S	22		M	7	38	M	19		S	10	25	S	-4	
200	S	3	34	M	4	35	M	22		M	4	35	M	22		S	7	24	S	6	
500	S	4	28	S	11	19	S	37		M	4	30	M	20		S	13	18	S	16	
1000	S	5	27	S	14	17	M			M	4	28	M	18		S	15	16	S	11	
2000	S	5	26	S	14	18	S	37		M	4	27	M	20		S	14	17	S	16	
5000	S	9	22	S	26	12	S			M	10	21	M	22		S	28	11	S	16	
6000	S	20	15	S	98	6	M			M	22	14	M	22		S	95	6	S	12	
7000	S		10																		
8000	S		4																		
9000	S		3																		
10000	S		-1																		

90% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	%	dB		%	dB	%	dB		dB	%	dB	%	dB		dB	%	dB	%	dB		
50	S	53	38																		
100	M	8	45	M	9	45	M	22		M	10	46	M	27		M	8	34	M	-9	
200	S	6	53	S	8	45	S			M	5	46	M	20		S	6	36	M	-4	
500	S	3	40	S	5	30	M	32		M	4	42	S	32		S	5	29	S	6	
1000	S	5	38	S	7	28	M	17		M	5	39	M	20		S	7	27	S	6	
2000	S	4	37	S	6	28	S	37		M	8	37	S	42		S	7	27	S	6	
5000	M	2	31	S	12	19	M	37		M	4	27	M	32		M	12	17	M	16	
6000	M	5	23	S	29	11	M	37		M	9	19	M	32		M	31	10	M	26	
7000	M		16																		
8000	M		9																		
9000	M		4																		
10000	S		-1																		

125% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	%	dB		%	dB	%	dB		dB	%	dB	%	dB		dB	%	dB	%	dB		
50	S	66	48																		
100	M	6	57	M	8	48	M	27		M	8	48	M	32		M	6	37	S	-4	
200	M	10	57	S	10	48	M	22		M	10	48	M	22		M	10	37	M		
500	M	9	53	M	8	44	M	17		M	8	44	M	22		M	9	33	M	-4	
1000	M	10	50	M	10	41	M	17		M	10	42	M	22		M	11	31	S	-4	
2000	S	6	39	S	8	29	S	52		M	10	40	S	44		S	8	28	S	6	
5000	M	1	29	S	12	18	M	32		M	3	29	M	32		M	11	18	M	16	
6000	M	3	22	S	28	11	S	32		M	8	21	M	42		M	26	11	M	26	
7000	M		15																		
8000	M		10																		
9000	S		4																		
10000	S		0																		

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 7 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB	D/U	*	DS	S/N	*	S/I	@ 26 dB	D/U	*	DS	S/N	*	S/I				
	Hz	%	dB	%		dB	%	dB	%	dB	%	dB	%	dB	%	dB					
50	S	6	25	M	12	M	M	13	M	M	3	M	M	5	M						
100	M	38																			
200	S	3	33	S	8	23	S	42	M	17	S	42	S	9	22	S	16				
500	S	5	28	S	18	18	S	42	M	14	S	57	S	16	16	S	11				
1000	S	6	26	S	18	16	S	42	M	35	14	S	42	S	19	15	S	11			
2000	S	6	25	S	17	15	S	42	M	17	18	S	42	S	20	14	S	16			
5000	S	20	14	S	5	M	M	18	16	M	S	95	5	S	13	S	15	17	S	6	
6000	S		6														S	95	7	S	13
7000	S		3														S	6	25	S	16
8000	S		0														S	12	19	S	16
9000	S		0														S	15	17	S	16
10000	S		0														S	95	7	S	13

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET											
	*	DS	S/N	@ 26 dB	D/U	*	DS	S/N	*	S/I	@ 26 dB	D/U	*	DS	S/N	*	S/I							
	Hz	%	dB	%		dB	%	dB	%	dB	%	dB	%	dB	%	dB								
50	S	32	37	M	21	44	M	M	21	44	M	M	20	33	M	M	20	36	M					
100	S	7	45	M																				
200	S	35	44	M	47	26	S	42	M	46	26	S	52	S	7	27	S	6	S	30	S	6		
500	S	4	39	M	65	25	S	32	M	63	25	S	27	S	11	25	S	1	S	10	28	S	-4	
1000	S	9	37	S	16	26	S	22	M	88	24	S	22	S	16	25	S	-4	S	15	27	S	-6	
2000	S	14	37	S	14	17	M	37	M	6	25	M	32	M	18	15	M	16	M	13	18	M	16	
5000	M	3	28	S	40	10	S	37	M	16	17	M	42	M	95	7	M	26	M	9	M	26		
6000	S	6	20																					
7000	M		13																					
8000	S		7																					
9000	M		3																					
10000	S		-1																					

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET											
	*	DS	S/N	@ 26 dB	D/U	*	DS	S/N	*	S/I	@ 26 dB	D/U	*	DS	S/N	*	S/I							
	Hz	%	dB	%		dB	%	dB	%	dB	%	dB	%	dB	%	dB								
50	S	97	53	M	15	26	S	12	M	12	37	M	9	S	15	25	S	-6	S	14	28	S	-9	
100	S	62	43	S	15	17	M	33	M	9	23	M	32	M	22	14	M	16	M	16	17	M	16	
200	S	32	45	S	34	10	M	37	M	15	88	M	42	M	90	10	M	26	M	35	11	M	26	
500	S	48	50																					
1000	S	43	47																					
2000	S	14	37	S	15	26	S	12	M	12	37	M	9	S	15	25	S	-6	S	14	28	S	-9	
5000	M	5	32	S	15	17	M	33	M	9	23	M	32	M	22	14	M	16	M	16	17	M	16	
6000	M	4	25	S	34	10	M	37	M	15	88	M	42	M	90	10	M	26	M	35	11	M	26	
7000	M		83																					
8000	M		77																					
9000	M		71																					
10000	S		70																					

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 7 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET									
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB		
50	S	23	20	S	25	16	M		M	12	21	M	S	29	16	S	6	S	27	17	S	6
100	S	5	33	M	3	30	M	17	M	4	32	M	S	6	28	S	6	S	6	29	S	-4
200	S	3	30	S	6	25	S	32	M	5	28	S	S	6	25	S	6	S	5	27	S	6
500	S	6	25	S	10	20	S	32	M	8	23	M	S	11	19	S	6	S	9	21	S	6
1000	S	7	23	S	11	20	M	37	M	9	21	M	S	13	18	S	6	S	11	20	S	6
2000	S	8	23	S	12	20	S	47	M	11	20	S	S	13	18	S	6	S	11	20	S	6
5000	M	17	14	S	29	11	S	55	M	28	13	M	S	33	11	S	6	S	25	13	M	
6000	M		6																			
7000	M		4																			
8000	M		2																			
9000	M		1																			
10000	S		0																			

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET									
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB		
50	S	24	30	M	15	30	M		M	16	30	M	M	14	25	M		M	14	26	M	
100	M	3	42	M	4	41	M	27	M	4	41	M	S	3	35	M	-4	M	3	37	M	-4
200	S	2	40	S	6	35	S	32	M	2	38	M	S	4	34	S	6	S	3	36	S	-4
500	S	3	34	S	4	30	S	32	M	3	32	M	S	5	29	S	6	S	4	31	S	6
1000	S	4	32	S	6	28	M	32	M	3	31	M	M	6	27	M	6	S	5	29	S	6
2000	S	4	31	S	8	27	M	32	M	7	30	M	M	7	26	S	6	S	6	28	S	36
5000	M	6	23	M	8	22	S	37	M	8	22	M	S	18	16	M	16	M	14	18	M	11
6000	M	12	15	M	18	14	M		M	18	14	M	S	89	9	M	16	M	45	11	M	11
7000	M		9																			
8000	M		3																			
9000	M		-1																			
10000	S		1																			

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET									
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB		
50	S	51	33																			
100	S	19	42	M	7	42	M		M	6	42	M	M	5	36	M		M	5	38	M	
200	S	15	41	M	6	37	M	10	M	6	41	M	S	16	35	M		S	15	37	M	
500	M	5	38	M	6	37	M	37	M	6	36	M	M	6	31	M	-4	M	5	33	M	-4
1000	M	6	36	M	7	34	M	35	M	7	34	M	M	7	29	M	6	M	6	31	M	-4
2000	M	7	34	S	9	30	S	30	M	7	32	M	M	8	27	M	6	M	7	29	M	-4
5000	M	3	23	M	6	22	M	42	M	6	22	M	S	16	17	M	16	M	12	19	M	16
6000	M	6	16	S	29	11	M	40	M	13	14	M	S	77	9	M	21	M	29	11	M	16
7000	M		9																			
8000	M		2																			
9000	M		-2																			
10000	S		-1																			

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 7 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*		
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	S	15																
100	S	22																
200	S	18																
500	S	9																
1000	S	12																
2000	S	16																
5000	S	15																
6000	S	10																
7000	S	6																
8000	S	4																
9000	S	4																
10000	S	-1																

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*		
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	S	26																
100	S	29																
200	S	27																
500	S	21																
1000	S	24																
2000	S	29																
5000	S	23																
6000	M	16																
7000	M	9																
8000	M	3																
9000	M	-2																
10000	S	1																

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*		
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	S	36																
100	S	40																
200	S	37																
500	S	37																
1000	M	35																
2000	M	34																
5000	M	23																
6000	M	16																
7000	M	9																
8000	M	3																
9000	M	-4																
10000	S	0																

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 7 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I					
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB					
50	S	44	18							M	7	32	M	18		S	11	24	S	1	S	10	26	S	-4	
100	S	9	30	S	10	25	S	22		M	4	30	M	17		S	8	23	S	6	S	6	25	S	6	
200	S	5	28	S	8	23	S	32		M	6	29	S	32		S	15	16	S	6	S	12	19	S	1	
500	S	9	22	S	13	17	S	32		M	7	24	M	15		S	18	15	S	11	S	15	17	S	6	
1000	S	9	21	S	17	15	S	33		M	8	22	M	17		S	16	16	S	6	S	13	17	S	1	
2000	S	9	22	S	15	16	S	32		M	8	22	M	15		S	36	10	S	6	S	26	12	S	3	
5000	S	17	15	S	29	11	S	33		M	19	15	M	22												
6000	S	66	10																							
7000	S		6																							
8000	S		2																							
9000	S		2																							
10000	S		-1																							

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I					
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB					
50	S	33	28							M	10	40	M	15		M	10	40	M	17	S	13	33	M		
100	S	13	38	M	10	40	M	15		M	4	32	M	18		M	4	39	M	20	S	6	31	S	6	
200	S	5	37	M	4	32	M	18		M	3	33	M	22		M	3	33	M	22	S	6	26	S	6	
500	S	3	32	S	4	26	S	27		M	3	31	M	17		S	7	25	S	6	S	5	26	S	6	
1000	S	4	30	S	6	25	S	32		M	4	31	M	32		S	7	25	S	6	S	5	27	S	6	
2000	S	3	31	S	6	27	M	32		M	6	21	M	32		M	15	16	M	16	M	12	18	M	16	
5000	M	4	21	M	6	21	M	42		M	13	13	M	32		M	68	9	M	16	M	27	11	M	11	
6000	M	8	14	S	31	12	M	34		M	29	7	M	32		M	94	4	M	16	M	96	5	M	15	
7000	M	15	7	M	27	7	M	34																		
8000	M		1																							
9000	M		-4																							
10000	S		0																							

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I					
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB					
50	S	34	30							M	13	41	M	17		M	13	41	M	18	S	14	33	M		
100	S	14	39	M	13	41	M	17		M	8	40	M	20		M	8	40	M	22	S	9	32	S	-4	
200	S	8	38	M	8	40	M	20		M	5	35	M	22		S	8	27	S	6	S	7	29	S	6	
500	S	5	33	S	8	28	S	27		M	7	33	S	40		S	9	26	S	6	S	7	28	S	6	
1000	S	5	31	M	7	33	S	40		M	8	32	S	52		S	8	26	S	6	S	6	28	S	6	
2000	S	4	32	S	7	27	S	47		M	6	21	M	32		M	20	17	M	16	M	15	18	M	16	
5000	M	3	21	S	15	17	M	47		M	15	13	M	42		M	90	10	M	26	M	44	11	M	16	
6000	M	6	14	M	16	11	M	42		M	28	7	M	32		M	93	4	M	21	M	96	5	M	16	
7000	M	13	7	S	5	M	35																			
8000	M		1																							
9000	M		-5																							
10000	S		0																							

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 7 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left--right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	M	%	dB	M	%	dB
50	S	7	24	M	11	M	11	M	11	M	10	M	10	M	10	M	3	M	3	M	4
100	M	37																			
200	S	3	33	M	94	13	S	42	M	90	13	S	47	S	9	22	S	6	S	7	24
500	S	5	27	S	17	S	37	M	10	S	62	S	16	16	S	16	S	12	19	S	16
1000	S	6	25	M	47	11	S	52	M	48	11	S	52	S	20	14	S	16	S	15	17
2000	S	6	25	S	20	15	S	47	M	21	15	S	52	S	21	14	S	16	S	16	16
5000	S	22	13	M	33	12	M	27	M	31	12	M	27	S	94	5	S	11	S	95	6
6000	S	6																			
7000	S	4																			
8000	S	1																			
9000	S	2																			
10000	S	-1																			

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	M	%	dB	M	%	dB
50	S	14	35	M	47	18	M	36	M	50	19	M	37	M	50	10	M	6	M	26	12
100	M	10	21	M	96	20	M	47	M	96	21	M	47	M	32	10	M	11	M	24	13
200	S	2	42	M	94	22	S	52	M	87	22	S	62	S	4	31	S	6	S	3	34
500	S	3	37	M	56	18	S	37	M	57	19	S	52	S	7	25	S	6	S	6	28
1000	S	5	35	S	9	25	S	32	M	15	19	S	62	S	9	24	S	6	S	8	26
2000	S	8	34	M	26	23	S	32	M	27	23	S	60	M	32	23	M	9	S	28	25
5000	M	15	23	M	17	21	M	25	M	16	21	M	22	M	13	13	M	8	M	26	16
6000	M	15	20	S	88	4	M		M	22	18	M	29	M	95	10	M	13	M	77	12
7000	M	33	13																		
8000	M	9																			
9000	M	7																			
10000	S	0																			

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	M	%	dB	M	%	dB
50	S	22	37	M	44	21	M	21	M	42	21	M	21	M	26	12	M	19	15	M	11
100	M	8	23	M	96	22	M	47	M	23	23	M	47	M	24	13	M	11	M	19	15
200	M	6	45	M	88	24	M	42	M	77	25	M	42	M	17	16	M	16	M	13	18
500	S	3	39	M	26	29	S	67	M	48	21	S	72	S	6	28	S	6	M	5	31
1000	S	5	37	M	17	27	S	32	M	16	21	S	72	M	9	13	S	6	M	22	29
2000	M	33	27																		
5000	M	14	25	M	16	23	M	22	M	15	23	M	22	M	30	16	M	6	M	23	18
6000	M	13	21	M	19	19	M		M	18	19	M	32	M	94	12	M	16	M	65	14
7000	M	32	84																		
8000	M	80																			
9000	M	77																			
10000	S	-1																			

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 7 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%			
50	S	24	25	M	8	25	M	10	M	8	25	M	9	S	27	18	S	-4	S	26	19	S	-4
100	S	4	39	M	3	32	S	20	M	3	36	M	18	S	5	30	S	-4	S	4	32	S	-4
200	S	2	36	S	5	29	M	27	M	2	33	M	22	S	5	28	S	6	S	4	29	S	6
500	S	4	29	S	5	23	M	22	M	4	27	M	22	S	8	22	S	6	S	7	24	S	6
1000	S	4	28	M	5	26	S	32	M	5	25	M	22	S	10	20	S	6	S	8	22	S	6
2000	S	5	28	S	7	15	S	32	M	7	25	S	32	S	10	20	S	6	S	8	22	S	6
5000	S	10	21	S	19	15	S	35	M	17	17	S	32	S	22	13	S	10	S	18	15	S	6
6000	S	20	15	M	9	S	39	M		10	S	34	S	94	7	S	11	S	79	9	S	8	
7000	S		10																				
8000	S		5																				
9000	S		1																				
10000	S		0																				

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%			
50	S	19	34	M	8	33	M	13	M	7	33	M	11	M	7	25	M	M	6	27	M		
100	S	5	44	M	4	42	M	18	M	3	42	M	16	M	2	34	M	M	2	36	M		
200	S	2	43	S	3	38	S	27	M	2	41	M	22	S	2	36	S	S	2	38	S	-4	
500	S	2	39	M	2	37	M	22	M	2	37	M	22	S	3	31	S	S	3	33	S	6	
1000	S	2	37	M	2	35	M	22	M	2	35	M	22	S	4	29	S	S	4	31	S	6	
2000	S	3	35	M	7	33	S	32	M	7	33	S	32	S	5	27	S	S	4	29	S	6	
5000	M	3	30	M	5	26	M	32	M	5	26	M	32	M	12	18	M	M	10	20	M	16	
6000	M	8	19	M	12	18	M	32	M	13	19	M	32	M	38	11	M	M	26	13	M	11	
7000	M		12																				
8000	S		6																				
9000	M		2																				
10000	S		1																				

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%			
50	S	45	41	S	14	37	M	8	M	6	47	M		S	13	33	M	S	13	35	M		
100	S	12	42	S	22	37	M		M	5	49	M		S	23	36	M	S	23	38	M		
200	S	22	45	S	8	32	M	7	M	2	44	M	6	S	12	34	S	S	11	36	M		
500	S	11	51	M	4	42	M	22	M	4	42	M	22	M	5	29	M	S	21	34	S	26	
1000	M	5	48	S	11	30	M	23	M	6	40	M	17	M	7	29	S	M	6	33	M	-9	
2000	M	6	47	S	4	28	M	32	M	4	28	M	32	M	10	20	M	M	8	21	M	16	
5000	M	2	35	S	22	13	M	32	M	8	22	M	32	M	22	13	M	M	17	14	M	16	
6000	M	4	28	S																			
7000	M		21																				
8000	M		10																				
9000	M		9																				
10000	S		0																				

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 7 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	S	17																
100	S	24																
200	S	18																
500	S	11																
1000	S	12																
2000	S	17																
5000	S	16																
6000	S	11																
7000	S	7																
8000	S	4																
9000	S	2																
10000	S	-1																

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	S	24																
100	S	33																
200	S	26																
500	S	20																
1000	S	22																
2000	S	28																
5000	S	26																
6000	S	21																
7000	S	14																
8000	M	11																
9000	M	5																
10000	S	1																

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	S	42																
100	M	52																
200	M	47																
500	S	42																
1000	S	39																
2000	S	44																
5000	M	32																
6000	M	25																
7000	M	18																
8000	M	12																
9000	M	6																
10000	S	1																

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 7 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50	S	40	22																		
100	S	8	35	M	1	38	M	5	S	8	31	S	22	S	9	27	S	-4	S	8	29
200	S	3	33	M	2	35	M	12	M	2	36	M	12	S	6	25	S	6	S	5	27
500	S	5	27	M	3	30	M	15	M	3	30	M	15	S	11	20	S	6	S	9	21
1000	S	6	26	M	4	28	S	30	M	4	28	M	14	S	12	18	S	6	S	10	20
2000	S	5	26	M	4	28	S	35	M	4	29	M	17	S	11	18	S	11	S	10	20
5000	S	10	21	M	9	21	S	32	M	9	21	M	19	S	23	13	S	9	S	19	15
6000	S	18	15	M	19	14	S	37	M	20	15	M	22	S	94	7	S	26	S	79	9
7000	S		10																		
8000	S		5																		
9000	S		3																		
10000	S		1																		

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50	M	54	41																		
100	M	7	44	M	8	47	M	22	M	8	47	M	22	M	7	36	M	-9	M	7	37
200	S	5	52	M	4	47	M	15	M	4	48	M	15	S	6	39	M	-4	S	6	41
500	S	3	38	M	3	42	M	22	M	3	42	M	22	S	4	31	S	6	S	4	33
1000	S	5	38	M	4	39	M	22	M	4	39	M	17	S	6	29	S	6	S	6	31
2000	S	4	38	M	7	38	S	32	M	7	38	S	32	S	5	29	S	6	S	5	31
5000	M	2	30	M	3	20	M	27	M	3	27	M	32	M	9	20	M	16	M	8	21
6000	M	5	23	S	20	13	M	32	M	8	21	M	32	M	22	12	M	16	M	18	14
7000	M		16																		
8000	M		10																		
9000	M		4																		
10000	S		0																		

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50	S	67	42																		
100	S	20	45	M	6	49	M	5	M	6	50	M		M	6	39	M		M	6	41
200	M	10	56	S	23	50	M	17	M	9	49	M	17	M	10	39	M		M	10	41
500	M	9	51	M	8	45	M	17	M	8	46	M	17	M	9	35	M	-9	M	9	37
1000	M	10	48	M	10	43	M	17	M	10	43	M	17	M	11	33	M	-9	M	11	33
2000	M	10	47	M	10	41	M	14	M	10	42	M	17	M	11	31	M	-9	M	10	34
5000	M	1	36	M	3	30	M	37	M	3	30	M	32	M	8	21	M	16	M	7	22
6000	M	3	28	M	7	22	M	37	M	6	23	M	32	M	19	13	M	16	M	15	15
7000	M		21																		
8000	M		9																		
9000	M		9																		
10000	S		0																		

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 7 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50	S	6	25	M	13	M	M	17	S	52	S	7	24	S	6	S
100	M		36								S	12	19	S	16	S
200	S	3	33	S	7	22	S	37	M	70	S	14	42	S	10	20
500	S	4	27	M		14	S	37	M		S	14	42	S	12	18
1000	S	6	25	M		15	S	40	M		S	14	42	S	13	18
2000	S	7	25	S	17	16	S	32	M	17	S	18	32	S	13	18
5000	S	21	15	M	16	S	36	M	19	16	S	37	S	95	6	S
6000	S		6								S	95	6	S	16	S
7000	S		2								S	90	8	S	11	S
8000	S		-1													
9000	S		0													
10000	S		0													

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50	S	30	38	M	21	45	M	M	21	45	M	M	21	36	M	M
100	S	7	46	M	36	35	S	M	35	35	S	S	3	34	S	S
200	S	2	43	S	48	31	S	M	49	28	S	S	5	29	S	S
500	S	4	39	S	10	29	S	M	87	28	S	S	10	27	S	S
1000	S	8	37	M	91	24	S	M	25	S	12	S	14	27	S	S
2000	S	14	37	S	11	20	M	M	5	28	M	M	14	19	M	M
5000	S	4	28	S	25	13	M	M	11	19	M	M	73	11	M	M
6000	S	9	22	S	25	13	M	M	11	19	M	M	97	5	S	S
7000	S	22	13	M				M			S					
8000	S		7													
9000	S		3													
10000	S		0													

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50	S	84	52	M	15	40	M	M	12	39	M	S	13	27	S	S
100	S	62	43	S	11	25	M	M	6	26	M	M	16	18	M	M
200	S	32	45	M	10	20	M	M	9	20	M	M	43	12	M	M
500	S	48	41	S	79	S	M	M	82	M	M	M	76	M	M	M
1000	S	42	39	S												
2000	S	14	36	S												
5000	M	5	27	S												
6000	S	9	20	S												
7000	S	19	84	S												
8000	M		79													
9000	M		74													
10000	S		71													

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 7 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	S	23	20	M	12	20	M			M	11	20	M			S	27	17	S	6
100	S	5	32	M	4	31	M	20		M	3	31	M	17		S	5	29	S	-4
200	S	4	30	S	5	27	M	32		M	4	28	M	22		S	5	26	S	6
500	S	7	24	M	8	23	M	22		M	8	23	M	22		S	10	21	S	6
1000	S	8	22	M	9	21	M	27		M	10	21	S	32		S	12	19	S	1
2000	S	9	22	S	11	20	S	27		M	11	20	S	22		S	12	19	S	1
5000	S	18	15	M	28	12	M	33		M	27	12	S	22		S	25	12	S	3
6000	M		6																	
7000	S		5																	
8000	M		2																	
9000	S		0																	
10000	S		0																	

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	S	21	30	M	11	30	M	12		M	10	30	M			M	9	25	M	
100	M	2	41	M	4	41	M	27		M	3	41	M	32		M	2	37	M	-4
200	S	2	39	M	3	38	M	27		M	2	38	M	22		S	3	36	S	6
500	S	3	33	S	3	31	M	27		M	3	32	M	22		S	4	30	S	6
1000	S	4	32	S	5	30	S	23		M	3	30	M	17		S	5	28	S	6
2000	S	4	31	M	7	30	S	47		M	7	30	S	42		S	6	28	S	6
5000	M	6	22	S	10	18	M	28		M	7	22	M	22		M	14	18	M	16
6000	M	13	15	S	23	12	M	28		M	16	14	M	26		M	51	11	M	11
7000	M		9																	
8000	M		3																	
9000	M		-1																	
10000	S		-1																	

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	S	49	33	M	6	42	M			M	6	42	M	5		M	5	38	M	
100	S	19	43	M	6	41	M	7		M	5	41	M	5		S	16	37	S	-9
200	S	15	40	M	6	41	M	7		M	6	37	M	22		M	5	32	M	-4
500	M	5	37	S	18	34	M	32		M	7	34	M	22		M	7	30	M	-4
1000	M	6	35	S	18	34	M	32		M	7	33	M	22		M	8	28	M	-4
2000	M	7	33	S	9	30	S			M	5	22	M	32		M	12	18	M	16
5000	M	3	23	S	10	19	M	32		M	10	15	M	32		M	28	11	M	16
6000	M	7	16	S	21	12	M	32		M	10	15	M	32		M	23	12	M	16
7000	M		9																	
8000	M		2																	
9000	M		-2																	
10000	S		1																	

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 7 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U		
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	S	14																								
100	S	20																								
200	S	16																								
500	S	10																								
1000	S	11																								
2000	S	15																								
5000	S	15																								
6000	S	10																								
7000	S	7																								
8000	S	5																								
9000	S	4																								
10000	S	1																								

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U		
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	S	25																								
100	S	29																								
200	S	26																								
500	S	20																								
1000	S	23																								
2000	S	29																								
5000	S	23																								
6000	M	15																								
7000	M	9																								
8000	M	3																								
9000	M	-2																								
10000	S	-1																								

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U		
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	S	36																								
100	S	42																								
200	M	37																								
500	S	33																								
1000	S	34																								
2000	M	34																								
5000	M	23																								
6000	M	15																								
7000	M	7																								
8000	M	1																								
9000	M	-5																								
10000	S	1																								

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 7 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left=right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB		
50	S	44	17	M	2	32	M	4	S	9	28	S	22	S	9	25	S	-4	S	9	26	S	-4
100	S	8	29	S	6	25	M	28	M	4	29	M	12	S	7	24	S	6	S	6	25	S	6
200	S	5	27	M	7	24	M	12	M	7	24	M	12	S	13	18	S	6	S	12	19	S	6
500	S	8	22	S	14	17	S	27	M	8	22	M	12	S	15	16	S	6	S	13	17	S	1
1000	S	10	20	M	8	22	M	13	M	8	22	M	12	S	14	17	S	6	S	13	18	S	6
2000	S	10	21	M	19	15	M	20	M	19	15	M	22	S	27	12	S	6	S	24	13	S	3
5000	S	18	15																				
6000	S	63	9																				
7000	S		5																				
8000	S		2																				
9000	S		1																				
10000	S		0																				

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB		
50	S	35	27	S	9	40	M	12	M	9	40	M	12	S	12	34	M		S	12	35	M	
100	S	12	38	M	2	38	M	13	S	6	35	S	32	S	5	32	S	-4	S	5	33	S	-4
200	S	4	36	M	2	33	M	17	M	2	33	M	12	S	4	27	S	6	S	4	28	S	6
500	S	3	31	S	5	27	S	23	M	3	31	M	15	S	5	26	S	6	S	5	27	S	6
1000	S	3	30	M	4	30	M	22	M	4	30	M	22	S	5	26	S	6	S	5	27	S	6
2000	S	3	30	S	11	18	M	27	M	5	20	M	32	M	12	18	M	16	M	10	19	M	6
5000	M	4	21	S	24	12	M	27	M	11	13	M	32	M	27	10	M	16	M	22	11	M	11
6000	M	9	13	S	92	6	M		M	22	6	M	29	M	96	5	M	16	M	92	5	M	11
7000	M	16	7	S																			
8000	M		1																				
9000	M		-4																				
10000	S		-1																				

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB		
50	S	32	29	M	12	40	M	15	M	12	40	M	14	S	13	35	M		S	13	36	M	
100	S	13	39	S	10	35	M	17	M	7	39	M	17	S	8	33	S	-4	S	8	35	S	-4
200	S	7	37	S	7	30	M	17	M	5	34	M	17	S	7	28	S	6	S	7	30	S	6
500	S	6	33	S	7	28	S	33	M	7	32	S	32	S	7	27	S	6	S	7	28	S	6
1000	S	5	31	S	6	28	M	32	M	8	31	S	42	S	6	27	S	6	S	6	28	S	6
2000	S	4	31	S	12	19	M	37	M	5	20	M	32	M	15	18	M	16	M	12	19	M	16
5000	M	3	21	S	26	11	M	32	M	12	13	M	32	M	48	10	M	16	M	28	11	M	16
6000	M	7	13	S																			
7000	M		7																				
8000	M		0																				
9000	M		-5																				
10000	S		1																				

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 7 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET						
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N			
	Hz	%	dB	*	DS	S/N	*	dB	*	DS	S/N	*	DS	S/N	*	DS	S/N		
50	S	7	25	M	9	M	M	9	M	M	4	M	M	6	25	S	16		
100	M		10												11	20	S	6	
200	S	3	32	M	85	13	S	42	M	84	13	S	42	S	7	24	S	16	
500	S	5	27	S	19	S	37	M	10	S	47	S	13	18	S	16	S	13	
1000	S	6	25	M	10	M	34	M	10	S	32	S	16	16	S	6	S	13	
2000	S	7	25	S	16	17	S	40	M	23	14	S	37	S	17	16	S	11	
5000	S	22	14	M	34	12	S	57	M	38	12	S	44	S	6	S	11	S	14
6000	S		6																
7000	S		3																
8000	M		1																
9000	M		1																
10000	S		-1																

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N		
	Hz	%	dB	*	DS	S/N	*	dB	*	DS	S/N	*	DS	S/N	*	DS	S/N	
50	S	14	34	M	40	18	M	35	M	37	18	M	34	M	47	11	M	5
100	M	10	20	M	97	20	M	42	M	89	20	M	47	M	25	12	M	11
200	S	2	42	M	87	22	S	42	M	28	21	S	72	S	3	33	S	6
500	S	3	36	S	6	29	S	42	M	15	18	S	52	S	6	28	S	6
1000	S	4	34	S	7	27	S	42	M	16	19	S	42	S	8	26	S	6
2000	M	28	34	S	11	26	S		M	28	22	M		M	32	25	S	
5000	M	17	22	S	31	14	M		M	18	21	M	22	M	29	14	M	6
6000	M	17	19	S	5	M	28		M	21	18	M	27	M	89	12	M	11
7000	M		12															
8000	M		8															
9000	M		6															
10000	S		0															

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N		
	Hz	%	dB	*	DS	S/N	*	dB	*	DS	S/N	*	DS	S/N	*	DS	S/N	
50	S	23	37	M	37	20	M	26	M	35	20	M	25	M	22	13	M	-8
100	M	9	22	M	84	22	M	42	M	96	22	M	42	M	19	14	M	11
200	M	6	44	M	59	24	M	42	M	20	25	M	42	M	14	18	S	3
500	M	12	39	S	6	31	S	11	M	15	21	M	27	S	5	30	S	5
1000	S	5	37	M	18	21	S	72	M	17	21	M		M	24	28	M	6
2000	M	35	25															
5000	M	16	24	S	32	15	M		M	17	23	M	20	M	26	16	M	3
6000	M	14	20	S	75	M			M	17	19	M	26	M	71	13	M	11
7000	M		13															
8000	M		9															
9000	M		6															
10000	S		-1															

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 7 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		
50	S	22	24	M	9	24	M	M	9	23	S	15	S	24	18	S	-4	S	23	20	S	-4	
100	S	3	37	M	3	33	S	22	M	3	35	M	22	S	4	31	S	6	S	4	32	S	-4
200	S	2	34	S	4	32	M	27	S	3	32	S	32	S	4	28	S	6	S	4	29	S	6
500	S	4	28	M	5	26	S	27	S	5	25	S	32	S	8	22	S	6	S	7	23	S	6
1000	S	5	26	M	6	25	M	22	S	7	23	S	32	S	10	20	S	6	S	8	21	S	6
2000	S	6	27	M	7	24	S	27	S	6	25	S	22	S	10	20	S	6	S	8	22	S	6
5000	S	12	19	M	18	16	S	29	S	13	18	S	22	S	22	13	S	6	S	19	15	S	3
6000	S	23	13	M	8	S	32	S		12	S	24	S	92	7	S		S	77	9	S	7	
7000	S		9																				
8000	S		4																				
9000	S		1																				
10000	S		0																				

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET									
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	S	19	33	M	8	32	M	13	M	7	32	M	M	6	25	M	M	5	26	M		
100	S	5	42	M	4	41	M	20	M	3	40	M	M	2	34	M	M	2	35	M		
200	S	2	42	S	2	40	S	27	M	2	41	M	S	2	36	S	S	2	37	S	-4	
500	S	2	37	M	2	35	M	22	S	2	35	S	S	3	31	S	S	3	32	S	6	
1000	S	2	35	M	3	34	M	22	S	3	33	S	S	4	29	S	S	4	30	S	6	
2000	S	3	33	M	7	32	S	27	S	7	31	S	S	5	27	S	S	4	29	S	6	
5000	S	5	25	M	6	25	M	25	M	6	25	M	M	13	18	M	M	11	20	S	6	
6000	M	13	18	S	15	17	S	23	M	14	17	M	S	28	10	S	S	23	13	M	6	
7000	S		10																			
8000	S		5																			
9000	S		2																			
10000	S		-1																			

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		
50	S	89	46	M	7	47	M	7	M	6	47	M	6	S	13	34	M	S	13	40	M		
100	S	14	41	S	21	39	M	2	M	5	46	M	M	S	22	39	M	S	22	37	M		
200	S	21	42	S	2	42	M	6	M	2	41	M	S	13	31	S	-4	S	12	36	M		
500	S	12	44	M	4	40	M	M	M	4	40	M	S	6	33	M	M	6	34	M			
1000	M	21	42	M	6	39	M	M	M	6	39	M	17	M	7	31	M	-9	M	7	33	M	-9
2000	M	7	41	M	5	27	M	27	M	4	27	M	32	M	10	20	M	16	M	8	21	M	6
5000	M	3	26	M	10	20	M	27	M	10	20	M	27	M	22	13	M	11	M	18	14	M	16
6000	M	7	22																				
7000	M		16																				
8000	M		9																				
9000	M		5																				
10000	S		0																				

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 7 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I
	Hz	%	dB	%	dB	%	dB	dB	%	dB	%	dB	dB	%	dB	%	dB	
50	S		14															
100	S		19															
200	S		15															
500	S		9															
1000	S		11															
2000	S		16															
5000	S		14															
6000	S		9															
7000	S		5															
8000	S		3															
9000	S		1															
10000	S		-1															

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I
	Hz	%	dB	%	dB	%	dB	dB	%	dB	%	dB	dB	%	dB	%	dB	
50	S		21															
100	S		25															
200	S		23															
500	S		17															
1000	S		20															
2000	S		25															
5000	S		25															
6000	S		18															
7000	S		12															
8000	S		8															
9000	M		4															
10000	S		0															

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I
	Hz	%	dB	%	dB	%	dB	dB	%	dB	%	dB	dB	%	dB	%	dB	
50	M		41															
100	M		45															
200	S		44															
500	S		40															
1000	S		38															
2000	M		40															
5000	M		29															
6000	M		22															
7000	M		15															
8000	M		9															
9000	M		4															
10000	S		1															

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 7 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left=right modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET											
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I			
	Hz	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	%	dB	%	dB	%	dB			
50	S	38	21		M	1	30	S	17	S	7	32	S	22	S	8	27	S	-4	S	7	29	S	-4
100	S	6	34		M	2	34	M	12	S	5	29	S	32	S	6	25	S	6	S	5	27	S	6
200	S	3	32		M	4	29	S	27	S	7	24	S	32	S	11	20	S	11	S	9	21	S	6
500	S	5	25		M	4	27	S	25	S	9	21	S	27	S	13	18	S	6	S	11	19	S	6
1000	S	6	25		S	4	21	S	27	S	7	23	S	32	S	11	19	S	6	S	10	20	S	6
2000	S	6	25		S	10	20	M	20	S	13	17	S	32	S	22	13	S	16	S	19	14	S	6
5000	S	11	19		M	14	S	29	S	12	S	25	S	92	S	7	S	6	S	79	9	S	5	
6000	S	23	13																					
7000	S		8																					
8000	S		4																					
9000	S		2																					
10000	S		0																					

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET											
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I			
	Hz	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	%	dB	%	dB	%	dB			
50	S	50	36		M	8	45	M	22	M	8	45	M	22	M	8	36	M	22	M	8	38	S	-4
100	M	8	43		M	4	46	S	27	M	4	46	M	17	S	5	38	M	-4	S	5	40	M	-4
200	S	4	48		M	3	40	M	27	M	3	40	S	32	S	4	30	S	6	S	4	32	S	6
500	S	3	37		M	4	38	S	22	S	4	33	S	22	S	5	29	S	6	S	5	31	S	6
1000	S	4	35		M	8	37	S	27	M	8	37	S	32	S	5	29	S	6	S	5	31	S	6
2000	S	3	35		M	4	26	M	27	M	4	26	M	32	M	9	20	M	16	M	8	21	M	6
5000	M	3	28		M	10	18	M	27	M	10	19	M	32	M	22	13	M	16	M	19	14	M	16
6000	M	8	20																					
7000	M		13																					
8000	M		7																					
9000	M		3																					
10000	S		0																					

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET											
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I			
	Hz	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	%	dB	%	dB	%	dB			
50	S	64	37		M	7	46	M	22	M	6	47	M	22	M	6	36	S	-4	S	20	37	S	
100	M	6	43		S	22	47	M	17	M	10	47	M	17	M	10	39	M	17	M	10	41	M	
200	M	9	45		S	14	34	M	17	M	8	42	M	17	M	9	35	M	-9	M	9	37	M	
500	M	11	38		M	10	40	M	22	M	10	40	M	17	M	11	33	M	-9	M	11	34	M	
1000	M	11	41		M	10	39	M	15	M	10	39	M	15	M	11	32	M	-9	M	11	33	M	
2000	M	3	30		M	4	28	M	22	M	4	28	M	22	M	8	21	M	16	M	7	22	M	6
5000	M	7	23		M	9	21	M	27	M	9	21	M	32	M	20	14	M	11	M	16	15	M	11
6000	M		17																					
7000	M		10																					
8000	M		5																					
9000	S		0																					
10000	S		0																					

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 7 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		
50	S	8	23	M		10	M		M		10	M		M		
100	M		12													
200	S		31													
500	S	6	26	M		10	S	32	S		23	S	32	S	13	18
1000	S	7	24	M		12	S	32	S		21	S	32	S	15	16
2000	S	8	23	M	20	15	S	30	S	11	20	S	32	S	16	16
5000	S	26	12	M		10	S	35	S		9	S		S	96	6
6000	S		5													
7000	S		2													
8000	S		0													
9000	S		0													
10000	S		1													

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		
50	S	28	33	M	64	33	M		M	63	33	M		M	64	26
100	M	21	45	M	21	43	M	17	M	21	43	M	17	M	21	35
200	S	35	41													
500	S	4	36	S	49	25	S	32	M	48	25	S	27	S	6	29
1000	S	8	34	M	84	24	S	24	M	86	31	S	22	S	10	27
2000	S	14	34	M	93	87	S	17	S	89	31	S	9	S	14	27
5000	S	5	26	M	7	25	M	27	M	7	25	M	27	M	12	18
6000	S	12	19	M	17	16	M	32	M	17	16	M	32	S	30	11
7000	S		11													
8000	M		5													
9000	S		2													
10000	S		-1													

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		
50	S	81	40													
100	S	60	42													
200	S	33	42													
500	S	48	40													
1000	S	42	41													
2000	S	15	35	M	13	30	S	10	S	15	32	M	6	S	13	27
5000	S	6	25	M	9	23	M	32	M	9	22	S	32	S	13	18
6000	M	12	19	M	16	83	M	25	M	16	17	M	24	S	28	11
7000	S	24	83	M		53	M		M		11	M		S	96	76
8000	S		77													
9000	S		73													
10000	S		71													

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 7 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	S	22	20	M	13	20	M			M	12	19	M	10		S	26	17	S	1
100	S	4	32	M	4	30	M	22		M	4	31	M	22		S	5	29	S	6
200	S	4	30	M	5	28	M	27		S	4	29	S	22		S	5	26	S	6
500	S	7	24	M	8	22	S	32		S	7	23	S	22		S	10	21	S	6
1000	S	8	22	M	10	20	S	27		S	8	21	S	22		S	12	19	S	6
2000	S	9	22	M	11	20	S	24		S	10	22	S	22		S	12	19	S	1
5000	S	18	15	M	30	12	S	25		M	29	12	S	22		S	26	12	S	3
6000	S		9																S	23
7000	S		4																S	13
8000	S		1																S	1
9000	S		-1																S	-2
10000	S		0																S	1

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	S	21	29	M	10	29	M	12		M	8	29	M	10		M	7	25	M	
100	S	13	40	M	3	40	M	9		M	3	40	M	8		M	2	36	M	
200	S	2	39	S	4	37	S	32		M	2	37	M	22		S	3	36	S	-4
500	S	3	33	M	3	32	S	22		M	3	33	S	22		S	4	30	S	6
1000	S	4	31	M	3	30	M	17		M	4	30	M	22		S	5	28	S	6
2000	S	4	31	M	7	29	S	37		M	7	29	M	42		M	8	27	S	6
5000	M	7	21	S	9	21	M	27		M	8	21	M	22		M	14	17	M	6
6000	M	15	14	M	17	13	M	23		M	17	13	M	22		M	10	M	8	
7000	M		8															M	29	11
8000	M		2															M	7	28
9000	M		-2															M	12	18
10000	S		-1															M	29	8

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	S	53	32	M	6	41	M	6		M	6	41	M			M	5	37	M	
100	S	20	42	M	6	40	M	6		M	6	40	M	4		M	5	36	M	
200	S	16	40	M	6	40	M	6		M	6	36	M			S	16	37	M	
500	M	5	36	S	18	34	M	27		M	6	36	M	22		M	6	32	M	-4
1000	M	6	34	M	7	33	M	27		M	7	33	M	22		M	7	30	M	-4
2000	M	7	32	M	8	31	M	17		M	8	32	M	22		M	8	28	M	-4
5000	M	4	22	M	5	22	M	27		M	5	21	M	32		M	12	18	M	16
6000	M	10	14	S	18	14	M	27		M	12	14	M	27		M	28	11	M	13
7000	M		8															M	24	12
8000	M		2															M	8	29
9000	M		-2															M	10	19
10000	S		0															M	24	16

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 7 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I
	Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB	%	dB	dB
50	S		11															
100	S		19															
200	S		15															
500	S		9															
1000	S		10															
2000	S		14															
5000	S		13															
6000	S		9															
7000	S		5															
8000	S		4															
9000	S		3															
10000	S		0															

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I
	Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB	%	dB	dB
50	S		23															
100	S		27															
200	S		25															
500	S		19															
1000	S		22															
2000	S		28															
5000	S		22															
6000	M		14															
7000	M		8															
8000	M		2															
9000	M		-2															
10000	S		0															

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I
	Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB	%	dB	dB
50	S		34															
100	S		41															
200	M		40															
500	M		35															
1000	M		32															
2000	M		32															
5000	M		22															
6000	M		12															
7000	M		3															
8000	M		-2															
9000	M		-5															
10000	S		1															

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 7 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	
50	S	39	17																		
100	S	7	29	S	7	28	S	17	S	7	29	S	22	S	8	25	S	-4	S	8	
200	S	5	27	M	4	29	M	12	S	5	27	S	22	S	7	24	S	6	S	6	
500	S	8	22	M	7	23	M	12	M	7	21	S	22	S	14	18	S	6	S	12	
1000	S	10	20	M	9	22	M	12	S	11	19	S	22	S	15	17	S	5	S	14	
2000	S	10	21	S	11	19	S	27	S	11	20	S	22	S	14	17	S	6	S	13	
5000	S	19	15	M	20	14	M	17	S	20	14	S	18	S	27	11	S	3	S	25	
6000	S	69	9																		
7000	S		4																		
8000	S		2																		
9000	S		0																		
10000	S		-1																		

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	
50	S	31	27																		
100	S	10	38	M	9	39	M	15	M	8	39	M	14	S	10	34	M		S	10	
200	S	4	36	M	2	37	M		S	6	35	S	32	S	5	32	S	-4	S	4	
500	S	3	30	M	2	32	S	22	S	3	30	S	22	S	5	27	S	6	S	4	
1000	S	4	29	M	3	30	S	27	S	4	28	S	22	S	6	25	S	6	S	5	
2000	S	3	29	M	4	29	S	27	M	4	30	S	22	S	5	25	S	6	S	5	
5000	M	5	20	M	6	20	M	27	M	6	20	M	22	M	12	17	M	16	M	10	
6000	M	11	13	M	13	12	M	27	M	13	13	M	22	M	27	10	M	11	M	23	
7000	M		6																		
8000	M		0																		
9000	M		-4																		
10000	S		0																		

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	
50	S	29	28	M	29	31	M	17	M	29	31	M	17	S	30	25	M		M	29	
100	S	12	38	S	13	40	M	17	M	12	40	M	17	S	12	35	M		M	12	
200	S	7	37	M	7	39	M	17	M	7	39	M	17	S	8	33	S	-4	S	8	
500	S	5	32	M	5	34	M	17	M	5	34	M	17	S	7	28	S	6	S	6	
1000	S	6	30	M	7	31	S	33	M	7	32	S	32	S	7	27	S	6	S	7	
2000	S	5	30	M	8	30	S	32	M	8	30	S	62	S	7	26	S	6	S	6	
5000	M	5	19	S	11	18	M	32	M	6	19	M	32	M	15	16	M	16	M	13	
6000	M	11	12	S	22	11	M	27	M	15	11	M	27	M	9	M	11		M	29	
7000	M		6																		
8000	M		0																		
9000	M		-4																		
10000	S		1																		

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 7 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left==right modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%			
50	S	8	23	M		8	M			M		8	M			M	3	M					
100	M		9																				
200	S		31																				
500	S	6	26	S		20	S	42	M		23	S	32	S	13	18	S	16	S	11	20	S	6
1000	S	7	23	M		10	S	37	S		20	S	32	S	16	16	S	6	S	13	18	S	6
2000	S	9	23	M	26	13	S	30	S	12	20	S	32	S	18	16	S	6	S	14	17	S	5
5000	S	28	12	S		7	S	32	S		10	S	32	S	95	6	S	9	S	94	7	S	8
6000	S		4																				
7000	M		2																				
8000	S		1																				
9000	S		1																				
10000	S		0																				

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%			
50	S	14	32	M	40	17	M	40	M	35	17	M	37	M	29	11	M	11	M	25	12	M	6
100	M	12	19	M	92	20	M	42	M	87	19	M	42	M	26	12	M	11	M	22	13	M	6
200	S	9	41	M	56	21	S	38	M	19	21	S		S	3	33	S		S	3	35	S	
500	S	3	34	M	18	17	S	32	M	16	32	S	32	S	6	27	S	6	S	5	29	S	6
1000	S	5	33	M	18	18	S	47	M	17	18	S	42	S	8	25	S	6	S	7	27	S	6
2000	S	9	32	M	29	21	S		M	29	21	S	40	M	12	25	S	6	S	11	26	S	1
5000	M	18	19	S	29	15	S	25	M	20	18	M	22	M	31	13	M	6	M	27	15	M	3
6000	M	20	16	S		15	M	25	M	24	15	M	24	M	90	10	M	8	M	67	11	M	6
7000	M		10																				
8000	M		6																				
9000	M		4																				
10000	S		1																				

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%			
50	S	23	35	M	35	19	M		M	33	19	M	25	M	22	13	M	-5	M	19	15	M	-7
100	M	10	21	M	85	21	M	42	M	87	21	M	42	M	20	14	M	11	M	17	16	M	6
200	M	7	43	M	37	23	M	42	M	18	23	M	37	M	14	17	M	6	M	12	37	S	
500	S	3	37	M	17	20	S	37	M	15	19	S	42	S	5	30	S	6	S	20	32	S	6
1000	S	5	35	M	18	20	S	62	M	18	20	S	42	M	24	14	S	6	M	7	29	M	
2000	M	35	24																				
5000	M	17	21	S	28	15	M		M	19	20	M	22	M	27	15	M	6	M	24	16	M	3
6000	M	17	18	M	21	16	M	25	M	20	16	M	24	M	80	11	M	9	M	44	13	M	6
7000	M		10																				
8000	M		7																				
9000	M		4																				
10000	S		1																				

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.



**Appendix H. Measurement results from testing
receiver no. 6 at 590 kHz.**

PAGE	SOURCE	MODULATION MATRIX	FIELD STRENGTH
202	C-Quam generator	left only	10. mV/m
203	C-Quam generator	right only	10. mV/m
204	C-Quam generator	left=right	10. mV/m
205	C-Quam generator	left=-right	10. mV/m
206	C-Quam generator	left only	.5 mV/m
207	C-Quam generator	right only	.5 mV/m
208	C-Quam generator	left=right	.5 mV/m
209	C-Quam generator	left=-right	.5 mV/m

Table of performance measurements on receiver number 7 at 590 kHz with the C-Quam generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I
Hz	%	dB		%	dB		%	dB	%	dB		%	*	DS	S/N	*	S/I	
50	S	7	27	S	8	26	S	17	S	8	26	S	22	S	13	18	S	6
100	S	3	34	S	4	33	S	22	S	3	33	S	22	S	6	25	S	6
200	S	3	32	M	4	30	S	17	S	3	32	S	22	S	7	24	S	6
500	S	3	32	S	3	31	S	17	S	3	32	S	22	S	7	24	S	6
1000	S	2	33	M	3	30	S	17	S	3	33	S	22	S	6	25	S	6
2000	S	2	34	M	3	32	S	17	S	2	34	S	22	S	6	25	S	6
5000	S	2	33	M	3	31	S	22	S	2	32	S	22	S	6	24	S	16
6000	S	2	32	M	4	30	S	22	S	3	31	S	22	S	8	23	S	16
7000	S	4	28	M	5	27	S	22	S	4	27	S	22	S	12	19	S	16
8000	S	8	22	M	12	20	S	22	S	9	21	S	27	S	29	13	S	16
9000	S		10											S	29	13	S	16
10000	S		0															

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I
Hz	%	dB		%	dB		%	dB	%	dB		%	*	DS	S/N	*	S/I	
50	S	11	34	M	8	32	M	12	S	12	33	S	22	S	12	25	S	-4
100	S	20	39	S	21	38	S	17	S	21	38	M	3	M	4	30	M	
200	S	3	40	S	4	39	M		S	4	39	S	32	S	5	31	S	6
500	S	2	40	M	2	37	S	22	S	2	39	S	22	S	3	31	S	6
1000	S	2	41	S	2	40	S	22	S	2	40	S	22	S	3	32	S	6
2000	S	5	40	S	6	40	S	17	S	6	40	S	22	S	7	31	S	6
5000	S	1	35	S	1	34	S	22	M	1	36	M	22	S	5	28	S	16
6000	M	1	35	S	1	32	S	22	M	1	35	M	22	M	5	26	M	16
7000	M	1	32	S	2	28	M	27	M	2	28	S	22	M	8	23	M	16
8000	M	4	25	S	5	22	S	27	M	5	22	S	27	M	19	16	M	16
9000	M	4	25	S	5	22	S	27	M	5	25	M	32	M	19	16	M	16
10000	S		0															

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I
Hz	%	dB		%	dB		%	dB	%	dB		%	*	DS	S/N	*	S/I	
50	S	43	35	M	7	39	M	2	M	7	39	M	1	S	30	30	S	-4
100	S	27	40	M	26	39	M	2	S	26	39	M	0	S	30	30	S	1
200	S	26	39	S	26	39	M		M	7	40	M		S	28	31	S	3
500	S	22	40	M	7	39	S	15	M	1	37	M	22	M	3	28	M	6
1000	S	21	40	S	21	40	S	15	M	9	40	S	15	S	24	31	S	-2
2000	S	16	39	S	17	39	S	17	M	9	40	M	3	S	18	30	S	-4
5000	M	1	37	S	1	34	S	22	M	1	37	M	32	M	3	28	M	16
6000	M	1	35	S	1	32	S	22	S	1	35	M	32	M	5	26	M	16
7000	M	1	32	S	2	28	S	22	M	2	31	M	22	M	8	23	M	16
8000	M	3	25	S	5	22	M	32	M	4	22	M	32	M	19	16	M	16
9000	M	11	15	S	20	11	M	30	M	16	14	M	32	M	95	7	M	18
10000	S		0															

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 7 at 590 kHz with the C-Quam generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50	S		11																		
100	S		14																		
200	S		11																		
500	S		8																		
1000	S		7																		
2000	S		8																		
5000	S		7																		
6000	S		11																		
7000	S		13																		
8000	S		10																		
9000	S		6																		
10000	S		0																		

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50	S		23																		
100	S		34																		
200	S		23																		
500	S		20																		
1000	S		22																		
2000	S		31																		
5000	S		36																		
6000	S		34																		
7000	M		31																		
8000	M		25																		
9000	M		14																		
10000	S		0																		

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50	S		35																		
100	S		40																		
200	S		39																		
500	S		39																		
1000	S		40																		
2000	S		40																		
5000	S		36																		
6000	M		34																		
7000	M		31																		
8000	M		25																		
9000	M		13																		
10000	S		1																		

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 7 at 590 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB	dB	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB
50	S	8	25	M	8	25	S	22		S	10	24	S	27		S	19	14	S	6
100	S	3	31	M	3	31	S	22		S	4	30	S	22		S	8	21	S	6
200	S	4	30	M	3	30	S	22		S	4	29	S	22		S	10	20	S	6
500	S	4	29	M	3	29	S	22		S	4	28	S	22		S	10	20	S	6
1000	S	3	30	S	3	30	S	22		S	4	30	S	22		S	9	21	S	6
2000	S	3	31	M	3	32	S	22		S	3	30	S	22		S	9	21	S	16
5000	S	3	30	M	3	31	S	22		S	4	29	S	22		S	10	20	S	16
6000	S	4	28	M	4	29	S	22		S	5	27	S	22		S	13	18	S	16
7000	S	6	25	M	5	26	S	22		S	7	24	S	22		S	20	15	S	16
8000	S	13	18	S	12	17	S	22		S	15	17	S	22		S	91	9	S	13
9000	S		7																	
10000	S		0																	

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB	dB	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB
50	S	8	31	M	8	31	S	27		S	10	31	S	27		S	12	21	S	1
100	S	10	37	S	11	36	S	22		S	11	36	S	22		S	12	26	S	1
200	S	3	37	M	3	37	S	27		S	4	36	S	32		S	6	26	S	6
500	S	2	37	M	2	37	S	17		S	2	36	S	22		S	4	27	S	6
1000	S	2	38	M	1	38	S	22		S	2	37	S	22		S	4	27	S	6
2000	S	3	38	S	4	37	S	27		S	4	37	S	32		S	8	27	S	6
5000	S	1	34	S	1	33	S	22		M	1	35	M	22		S	5	24	S	16
6000	S	1	32	S	2	31	S	22		M	1	31	S	22		S	8	22	S	16
7000	S	2	28	M	2	29	S	27		M	2	28	S	22		S	13	18	S	16
8000	S	4	22	M	4	23	M	22		M	4	21	S	22		S	29	12	S	26
9000	S		11																	
10000	S		0																	

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB	dB	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB
50	S	17	32	S	19	31	S	20		S	19	31	S	22		S	19	22	S	-4
100	S	13	37	S	14	36	S	22		S	14	36	S	22		S	15	27	S	1
200	S	9	37	S	10	36	S	22		S	10	36	S	22		S	12	27	S	6
500	S	5	38	M	6	38	S	22		S	5	37	S	22		S	8	28	S	6
1000	S	6	39	S	7	38	S	22		S	7	38	S	22		S	9	28	S	6
2000	S	8	38	M	10	38	S	22		S	9	37	S	22		S	11	28	S	1
5000	S	1	35	S	2	33	S	22		M	1	33	S	22		S	9	24	S	16
6000	S	1	32	S	2	31	S	22		M	1	32	M	22		S	10	22	S	16
7000	S	1	28	M	2	29	S	27		M	2	27	S	22		S	14	18	S	16
8000	S	3	22	S	6	21	M	24		M	4	21	S	22		S	32	12	S	26
9000	S		11																	
10000	S		0																	

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 7 at 590 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	a 26 dB D/U	*	DS	S/N	*	S/I	a 26 dB D/U	*	DS	S/N	*	S/I	a 0 dB D/U	*	DS	S/N	*	S/I	a 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	S	3	30	M	12	S	42	M	12	S	42	S	21	S	16	S	20	S	15	S	16	S	9	22	S	16	
100	S	2	38	M	11	S	37	S	2	35	S	32	S	9	22	S	16	S	9	22	S	16	S	11	20	S	16
200	S	2	36	M	13	S	27	S	3	33	S	22	S	11	20	S	16	S	10	20	S	16	S	9	22	S	16
500	S	2	35	M	13	S	22	S	3	32	S	22	S	11	20	S	16	S	9	22	S	16	S	9	22	S	16
1000	S	2	35	S	32	M	22	S	3	32	S	22	S	9	22	S	16	S	9	22	S	16	S	9	22	S	16
2000	S	3	34	S	32	S	22	S	3	32	S	22	S	9	22	S	16	S	9	22	S	16	S	11	20	S	16
5000	S	4	29	M	5	S	22	S	5	29	S	32	S	11	20	S	16	S	11	20	S	16	S	16	18	S	16
6000	S	4	30	S	29	M	22	S	5	28	S	32	S	16	18	S	16	S	16	18	S	16	S	21	16	S	16
7000	S	4	31	M	13	S	27	S		28	S	32	S	21	16	S	16	S	21	16	S	16					
8000	S		12																								
9000	S		7																								
10000	S		1																								

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																
	*	DS	S/N	a 26 dB D/U	*	DS	S/N	*	S/I	a 26 dB D/U	*	DS	S/N	*	S/I	a 0 dB D/U	*	DS	S/N	*	S/I	a 0 dB D/U	*	DS	S/N	*	S/I		
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB			
50	S	8	39	M	23	S	21	M	37	M	23	S	21	M	37	M	72	S	10	M	11	M	52	10	M	11			
100	M	9	20	M	42	19	M	40	M	35	20	M	42	M	66	8	M	11	M	54	8	M	11	S	5	30	S	6	
200	S	2	46	M	34	22	S	47	S	3	43	S	32	S	5	30	S	6	S	4	30	S	6	S	4	30	S	6	
500	S	1	45	M	13	22	S	27	M	11	42	S	32	S	4	30	S	6	S	4	31	S	6	S	4	31	S	6	
1000	S	1	45	S	5	42	M	22	S	2	42	S	22	S	4	31	S	6	S	7	32	S	6	S	6	32	S	6	
2000	S	4	47	M	38	23	S	17	S	4	44	S	22	S	7	29	S	16	S	6	29	S	16	S	6	29	S	16	
5000	S	1	44	S	2	41	S	22	S	2	41	S	22	S	6	29	S	16	S	15	26	S	16	S	13	26	S	16	
6000	S	4	42	S	4	39	S	22	S	4	39	S	22	S	15	26	S	16	S	17	24	S	16	S	15	24	S	16	
7000	S	4	39	S	4	37	S	22	S	4	37	S	22	S	91	16	S	21	S	69	16	S	16						
8000	S	7	30	S		28	S	27	M		14	S	32	S															
9000	M		12																										
10000	S		0																										

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																
	*	DS	S/N	a 26 dB D/U	*	DS	S/N	*	S/I	a 26 dB D/U	*	DS	S/N	*	S/I	a 0 dB D/U	*	DS	S/N	*	S/I	a 0 dB D/U	*	DS	S/N	*	S/I		
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB			
50	S	14	42	M	21	S	24	M	25	S	15	39	S	22	S	16	26	S	-2	S	16	26	S	-2	S	8	34	S	6
100	S	7	50	M	37	21	M	47	S	8	47	S	22	S	8	34	S	6	S	5	32	S	6	S	5	32	S	6	
200	S	2	48	M	22	24	S	37	S	3	45	S	32	S	5	32	S	6	S	4	32	S	6	S	4	33	S	6	
500	S	1	48	M	12	24	S	32	M	11	45	S	32	S	4	33	S	6	S	4	33	S	6	S	6	30	S	16	
1000	S	1	48	S	12	45	S	27	M	12	45	S	32	S	8	34	S	6	S	7	34	S	6	S	14	27	S	16	
2000	S	5	49	M	44	26	S	17	S	5	47	S	22	S	5	31	S	16	S	6	30	S	16	S	14	25	S	16	
5000	S	1	46	S	2	43	S	22	M	11	43	S	32	S	16	27	S	16	S	14	27	S	16	S	14	25	S	16	
6000	S	4	43	S	4	40	S	17	M	13	40	S	32	S	16	25	S	16	S	14	25	S	16	S	14	25	S	16	
7000	S	4	41	S	4	38	S	22	S	4	38	S	22	S	16	25	S	16	S	14	25	S	16	S	14	25	S	16	
8000	M		13																										
9000	M		13																										
10000	S		0																										

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 7 at 590 kHz with the C-Quam generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE				25 Hz OFFSET				15 Hz OFFSET				-10 kHz OFFSET				+10 kHz OFFSET						
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I
Hz	%	dB	%	dB	%	dB	dB	%	dB	%	dB	dB	%	dB	%	dB	%	dB	%	dB	dB	dB	
50	S	7	27	M	8	24	S	21	S	7	26	S	22	S	15	17	S	6	S	16	17	S	6
100	S	3	34	S	4	33	S	22	S	3	33	S	22	S	6	24	S	6	S	7	24	S	6
200	S	3	32	M	4	29	S	22	S	3	31	S	22	S	8	22	S	6	S	8	22	S	6
500	S	3	32	M	4	28	S	22	S	3	31	S	22	S	8	23	S	6	S	8	22	S	6
1000	S	3	33	M	3	29	S	22	S	3	32	S	22	S	6	24	S	6	S	7	24	S	6
2000	S	2	34	M	3	31	S	22	S	2	33	S	22	S	6	24	S	16	S	6	24	S	16
5000	S	2	33	M	3	31	S	22	S	3	32	S	22	S	7	23	S	16	S	7	23	S	16
6000	S	3	31	M	4	29	S	22	S	3	30	S	22	S	10	21	S	16	S	10	21	S	16
7000	S	4	28	M	5	26	S	37	S	5	26	S	22	S	15	18	S	16	S	15	17	S	16
8000	S	9	21	S	11	20	S	27	S	10	20	S	27	S	55	11	S	16	S	46	11	S	16
9000	S	9																					
10000	S	0																					

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE				25 Hz OFFSET				15 Hz OFFSET				-10 kHz OFFSET				+10 kHz OFFSET						
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I
Hz	%	dB	%	dB	%	dB	dB	%	dB	%	dB	dB	%	dB	%	dB	%	dB	%	dB	dB	dB	
50	S	10	34	M	7	31	M		M	7	31	M	12	M	9	22	M	-8	M	9	22	M	-8
100	S	20	39	M	4	37	M	5	M	4	37	M	4	S	24	29	S	1	S	22	29	S	-4
200	S	3	40	S	4	38	S	25	S	4	38	S	32	S	5	29	S	6	S	5	29	S	6
500	S	2	40	S	2	38	S	22	S	2	38	S	22	S	3	30	S	6	S	3	30	S	6
1000	S	2	41	S	3	40	M	27	S	2	39	S	22	S	3	31	S	6	S	3	31	S	6
2000	S	5	40	S	6	39	S	22	S	6	39	S	22	S	7	30	S	6	S	7	30	S	6
5000	S	1	37	S	1	34	S	22	S	1	33	S	22	S	5	26	S	16	S	5	26	S	16
6000	M	1	35	S	2	32	S	22	M	2	34	M	22	M	6	25	M	16	M	6	24	M	16
7000	M	2	31	S	3	30	S	27	S	3	28	S	32	M	10	21	M	16	M	10	21	M	16
8000	M	2	25	S	6	22	S	27	M	5	24	M	32	M	22	15	M	16	M	23	15	M	16
9000	M	14																					
10000	S	0																					

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE				25 Hz OFFSET				15 Hz OFFSET				-10 kHz OFFSET				+10 kHz OFFSET						
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I
Hz	%	dB	%	dB	%	dB	dB	%	dB	%	dB	dB	%	dB	%	dB	%	dB	%	dB	dB	dB	
50	S	43	35						M	7	38	M	3	M	7	38	M		S	31	29	S	-2
100	S	27	40	M	7	38	M	3	M	9	39	M	2	S	31	29	S	1	S	29	29	S	-4
200	S	26	39	S	27	39	M	3	M	9	39	M	2	S	28	30	S	3	S	26	30	S	1
500	S	22	40	S	23	39	M		M	7	39	M	2	S	24	30	S	-2	S	23	30	S	-4
1000	S	21	40	S	21	40	M	2	M	9	40	M	2	S	19	30	S	-2	S	17	30	M	
2000	S	16	41	S	17	39	S	17	M	9	38	M	5	S	4	27	M	16	M	4	26	M	16
5000	M	1	37	S	1	33	S	22	M	1	36	M	22	M	5	25	M	16	M	6	25	M	16
6000	M	1	35	S	1	34	S	22	M	1	34	M	22	M	9	21	M	16	M	9	21	M	16
7000	M	1	32	S	2	27	S	22	M	2	31	M	32	M	22	15	M	16	M	22	15	M	16
8000	M	3	25	S	6	22	S	32	M	5	21	M	32	M									
9000	M	14																					
10000	S	0																					

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 7 at 590 kHz with the C-Quam generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB	%	dB	dB	%	dB	dB	%	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB
50	S	11																								
100	S	14																								
200	S	11																								
500	S	9																								
1000	S	9																								
2000	S	9																								
5000	S	6																								
6000	S	8																								
7000	S	10																								
8000	S	8																								
9000	S	6																								
10000	S	0																								

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB	%	dB	dB	%	dB	dB	%	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB
50	S	23																								
100	S	34																								
200	S	23																								
500	S	21																								
1000	S	23																								
2000	S	32																								
5000	S	36																								
6000	S	34																								
7000	M	30																								
8000	M	24																								
9000	M	13																								
10000	S	1																								

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB	%	dB	dB	%	dB	dB	%	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB
50	S	35																								
100	S	40																								
200	S	39																								
500	S	39																								
1000	S	40																								
2000	S	40																								
5000	S	36																								
6000	M	34																								
7000	M	30																								
8000	M	23																								
9000	M	12																								
10000	S	1																								

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 7 at 590 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	S	8	25	M	8	25	S	22		S	10	24	S	22		S	21	13	S	6
100	S	3	31	M	3	31	S	22		S	4	30	S	22		S	9	20	S	6
200	S	4	30	S	3	29	S	22		S	4	29	S	22		S	11	19	S	6
500	S	4	29	M	3	29	S	22		S	4	28	S	22		S	11	19	S	6
1000	S	3	30	M	3	30	S	22		S	4	29	S	22		S	10	20	S	16
2000	S	3	31	M	3	32	S	22		S	3	30	S	22		S	9	21	S	16
5000	S	3	29	S	4	29	S	22		S	4	28	S	22		S	11	18	S	16
6000	S	4	28	M	4	28	S	22		S	5	26	S	22		S	15	16	S	16
7000	S	6	24	M	5	25	S	27		S	7	23	S	22		S	24	13	S	16
8000	S	15	17	M	13	18	S	25		S	18	16	S	27		S	95	7	S	13
9000	S		6													S	96	7	S	13
10000	S		0																	

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I		
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB			
50	S	8	31	S	11	30	S	25		S	10	30	S	32		S	12	20	S	1
100	S	10	37	S	11	36	S	22		S	11	36	S	22		S	12	25	S	6
200	S	3	37	M	3	36	S	32		S	5	36	S	32		S	7	25	S	6
500	S	2	37	M	2	37	S	22		S	2	36	S	22		S	4	26	S	6
1000	S	2	38	M	1	38	S	22		S	2	37	S	22		S	5	26	S	6
2000	S	3	38	S	4	37	S	27		S	4	37	S	32		S	8	26	S	6
5000	S	1	34	S	1	33	S	22		M	1	34	M	22		S	7	23	S	16
6000	S	1	32	S	2	31	S	22		M	1	31	S	22		S	9	21	S	16
7000	S	2	28	S	3	27	S	27		M	2	27	S	22		S	15	17	S	16
8000	S	4	21	S	8	20	M	24		M	5	22	M	22		S	59	11	S	26
9000	S		10													S	66	10	S	26
10000	S		0																	

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I		
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB			
50	S	17	32	S	20	31	S	21		S	20	31	S	22		S	20	21	S	-2
100	S	13	37	S	14	36	S	22		S	14	36	S	22		S	15	26	S	1
200	S	9	37	S	11	36	S	27		S	11	36	S	22		S	12	26	S	6
500	S	5	38	S	6	37	S	32		S	6	37	S	32		S	9	26	S	6
1000	S	6	39	S	7	38	S	22		S	7	38	S	22		S	9	27	S	6
2000	S	8	38	S	9	37	S	22		M	10	37	S	22		S	12	27	S	3
5000	S	1	34	S	2	33	S	22		M	1	33	S	22		S	10	23	S	16
6000	S	1	32	S	2	31	S	22		M	2	32	M	22		S	12	21	S	16
7000	S	1	28	S	3	27	M	32		M	2	29	M	22		S	16	17	S	26
8000	S	4	21	S	7	20	M			M	5	20	S	22		S	63	10	S	26
9000	S		10													S	64	10	S	26
10000	S		0																	

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 7 at 590 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET									
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	S	3	30	M	12	S	42	M	12	S	42	S	14	S	16	S	23	S	13	S	16	
100	S	1	38	M	11	S	27	S	3	35	S	32	S	10	S	16	S	10	S	21	S	16
200	S	2	36	M	13	S	27	S	3	33	S	32	S	12	S	16	S	12	S	19	S	16
500	S	2	35	M	13	S	27	S	3	32	S	32	S	12	S	16	S	12	S	19	S	16
1000	S	2	35	M	11	S	27	S	3	32	S	32	S	10	S	16	S	10	S	20	S	16
2000	S	3	35	M	10	S	27	S	4	31	S	32	S	10	S	16	S	10	S	21	S	16
5000	S	4	28	M	3	S	22	S		28	S	32	S	12	S	16	S	12	S	19	S	16
6000	S	5	28	S	26	S	32	S	6	26	S	32	S	18	S	16	S	18	S	17	S	16
7000	S	4	30	M	11	S	32	S	7	27	S	32	S	24	S	16	S	24	S	15	S	16
8000	S		13																			
9000	S		7																			
10000	S		0																			

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		
50	S	8	39	M	27	20	M	37	M	25	36	S	27	S	13	S	23	S	1	S	13	S	3
100	S	4	47	M	53	19	M		M	40	19	M		M	90	S	7	M		M	91	S	7
200	S	1	45	M	50	21	S	37	M	20	42	S	32	S	5	S	28	S	6	S	5	S	6
500	S	1	45	S	3	41	S	22	M	12	42	S	32	S	5	S	28	S	6	S	5	S	16
1000	S	1	45	S	2	42	S	22	S	2	41	S	22	S	5	S	30	S	6	S	5	S	6
2000	S	4	47	M	39	23	S	17	S	4	44	S	22	S	7	S	30	S	6	S	7	S	6
5000	S	1	43	S	2	40	S	22	M	96	18	S	32	S	7	S	28	S	16	S	7	S	16
6000	S	3	42	S	4	38	S	22	M	15	38	S	32	S	16	S	25	S	16	S	14	S	16
7000	S	4	39	S	4	36	S	22	M	20	36	S	32	S	18	S	22	S	16	S	17	S	16
8000	S	7	29	S		26	S	27	M		13	S	32	S	93	S	15	S	21	S	88	S	16
9000	M		10																				
10000	S		-1																				

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		
50	S	14	42	M	24	23	M	26	M	22	39	S	22	S	16	S	25	S	-2	S	16	S	-2
100	S	7	50	M	40	22	M	47	M	33	22	M	52	M	51	S	9	M	16	M	52	S	9
200	S	5	48	M	39	24	M	42	M	17	45	S	26	S	5	S	31	S	-5	S	5	S	-5
500	S	1	47	S	3	44	S	22	M	11	44	S	32	S	4	S	31	S	6	S	4	S	6
1000	S	2	48	M	78	24	S	22	M	28	45	S	32	S	4	S	32	S	6	S	4	S	6
2000	S	6	50	S	6	47	S	17	S	6	46	S	22	S	8	S	33	S	6	S	7	S	6
5000	S	1	46	S	2	43	S	22	M	84	23	S	42	S	7	S	29	S	16	S	7	S	16
6000	S	4	43	S	4	39	S	22	S	4	40	S	22	S	16	S	26	S	16	S	15	S	16
7000	S	4	41	S	4	38	S	22	M	20	38	S	32	S	17	S	24	S	16	S	16	S	16
8000	M		12																				
9000	M		12																				
10000	S		0																				

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

**Appendix I. Measurement results from testing
receiver no. 7 at 1330 kHz.**

PAGE	SOURCE	MODULATION MATRIX	FIELD STRENGTH
212	C-Quam exciter	left only	10. mV/m
213	C-Quam exciter	right only	10. mV/m
214	C-Quam exciter	left=right	10. mV/m
215	C-Quam exciter	left=-right	10. mV/m
216	C-Quam generator	left only	10. mV/m
217	C-Quam generator	right only	10. mV/m
218	C-Quam generator	left=right	10. mV/m
219	C-Quam generator	left=-right	10. mV/m
220	Kahn generator	left only	10. mV/m
221	Kahn generator	right only	10. mV/m
222	Kahn generator	left=right	10. mV/m
223	Kahn generator	left=-right	10. mV/m
224	C-Quam exciter	left only	.5 mV/m
225	C-Quam exciter	right only	.5 mV/m
226	C-Quam exciter	left=right	.5 mV/m
227	C-Quam exciter	left=-right	.5 mV/m
228	C-Quam generator	left only	.5 mV/m
229	C-Quam generator	right only	.5 mV/m
230	C-Quam generator	left=right	.5 mV/m
231	C-Quam generator	left=-right	.5 mV/m
232	Kahn generator	left only	.5 mV/m
233	Kahn generator	right only	.5 mV/m
234	Kahn generator	left=right	.5 mV/m
235	Kahn generator	left=-right	.5 mV/m
236	C-Quam exciter	left only	.1 mV/m
237	C-Quam exciter	right only	.1 mV/m
238	C-Quam exciter	left=right	.1 mV/m
239	C-Quam exciter	left=-right	.1 mV/m
240	C-Quam generator	left only	.1 mV/m
241	C-Quam generator	right only	.1 mV/m
242	C-Quam generator	left=right	.1 mV/m
243	C-Quam generator	left=-right	.1 mV/m
244	Kahn generator	left only	.1 mV/m
245	Kahn generator	right only	.1 mV/m
246	Kahn generator	left=right	.1 mV/m
247	Kahn generator	left=-right	.1 mV/m

Table of performance measurements on receiver number 8 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	M	8	26	M	20	26	M	37		M	12	25	M	27		M	7	M	11	M	89
100	S	2	39	S	9	32	S	37		S	7	32	S	42		S	96	S	16	S	15
200	S	3	36	S	8	29	S	32		S	5	29	S	32		S	97	S	16	S	17
500	S	3	34	S	6	27	S	32		M	4	30	S	32		S	71	S	16	S	19
1000	S	4	35	S	6	27	S	27		M	4	28	M	22		S	44	S	16	S	19
2000	S	4	36	S	5	29	S	27		M	3	29	S	20		S	39	S	16	S	18
5000	S	4	39	S	5	31	S	22		M	3	33	S	21		S	47	S	16	S	15
6000	S	4	38	S	5	32	S	27		M	5	35	S	32		S	46	S	16	S	21
7000	S	4	38	S	5	33	S	27		S	6	32	S	32		S	66	S	16	S	25
8000	S	4	36	S	5	29	S	27		M	5	30	S	32		S	85	S	26	S	24
9000	S	5	34	S	7	26	S	27		S	8	26	S	32		S	98	S	26	S	31
10000	S		1																		

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	M	11	42	M	19	35	M	37		M	15	32	M	27		M	27	M	3	M	18
100	S	3	46	S	8	38	S	37		M	6	38	M	27		S	47	S	16	S	21
200	S	2	45	S	6	38	S	37		M	4	39	S	32		S	20	S	16	S	21
500	S	2	44	S	4	37	S	27		M	2	38	M	22		S	33	S	16	S	25
1000	S	3	45	S	4	37	S	27		S	9	40	S	32		S	36	S	16	S	26
2000	S	3	44	S	4	37	S	27		M	2	38	M	20		S	39	S	26	S	27
5000	S	3	43	S	4	35	S	22		M	2	40	M	15		S	37	S	16	S	13
6000	S	1	42	S	2	35	S	27		S	4	38	S	32		S	88	S	16	S	56
7000	S	3	40	S	4	34	S	22		S	6	37	S	32		S	95	S	16	S	86
8000	S	3	38	S	4	30	S	27		S	6	33	S	32		S	96	S	16	S	93
9000	S	4	35	S	5	29	S	27		S	7	30	S	32		S	14	S	16	S	81
10000	S		1																		

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	S	68	45	S	24	36	S	26		S	16	45	S	17		S	89	S	17	S	25
100	S	19	48	S	31	37	S	31		S	21	41	S	32		S	78	S	16	S	36
200	S	33	48	S	25	36	S	27		S	14	42	S	8		S	75	S	13	S	38
500	S	14	51	S	11	38	S	25		S	3	41	S	32		S	49	S	16	M	12
1000	S	27	46	S	31	37	S	31		S	8	40	S	32		S	78	S	16	S	42
2000	S	23	44	S	25	33	S	27		S	5	38	S	32		S	79	S	16	S	69
5000	S	2	43	S	3	33	S	22		S	4	36	S	32		S	96	S	16	S	88
6000	S	4	42	S	5	33	S	22		M	2	30	M	22		S	97	S	26	S	14
7000	S	3	41	S	3	32	S	22		S	5	38	S	32		S	13	S	26	S	21
8000	S	2	39	S	3	30	S	27		S	4	36	S	32		S	15	S	16	S	20
9000	S	2	37	S	3	27	S	27		M	2	30	M	22		S	17	S	26	S	19
10000	S		4																		

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	
	Hz	%	dB	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
50	M	31																
100	S	25																
200	S	19																
500	S	13																
1000	S	13																
2000	S	15																
5000	S	18																
6000	S	22																
7000	S	23																
8000	S	23																
9000	S	22																
10000	S	-1																

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	
	Hz	%	dB	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
50	M	38																
100	S	32																
200	S	25																
500	S	17																
1000	S	19																
2000	S	23																
5000	S	40																
6000	S	40																
7000	S	40																
8000	S	38																
9000	S	35																
10000	S	0																

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	
	Hz	%	dB	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
50	M	46																
100	S	49																
200	S	50																
500	S	49																
1000	S	48																
2000	S	48																
5000	S	45																
6000	S	43																
7000	S	41																
8000	S	39																
9000	S	36																
10000	S	0																

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left=right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																								
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I				
Hz	%	dB		%	dB		%	dB	%	dB		%	dB	%	dB		%	dB	%	dB		%	dB		%	dB		%	dB		%	dB					
50	S	11	32	S	28	24	S	37	M	18	28	S	32	S	97	7	S	11	S	93	10	S	6														
100	S	4	37	S	13	30	S	37	M	8	34	S	32	S	10	8	S	16	S	95	16	S	16														
200	S	4	34	S	10	27	S	37	M	5	33	S	32	S	98	8	S	16	S	24	13	S	16														
500	S	3	32	S	7	26	S	32	S	5	28	S	32	S	97	7	S	26	S	30	11	S	26														
1000	S	3	33	S	6	25	S	32	M	3	31	S	22	S	96	8	S	26	S	29	12	S	16														
2000	S	2	34	S	5	25	S	32	S	3	29	M	22	S	95	9	S	26	S	28	13	S	26														
5000	S	2	36	S	4	29	S	27	S	3	31	S	32	S	61	12	S	26	S	34	16	S	16														
6000	S	2	35	S	4	27	S	27	M	2	34	M	22	S	79	13	S	26	S	37	15	S	16														
7000	S	2	35	S	4	28	S	27	M	2	31	M	22	S	77	14	S	26	S	72	15	S	16														
8000	S	2	33	S	4	27	S	27	M	3	29	M	22	S	93	12	S	26	S	72	13	S	16														
9000	S	3	31	S	5	25	S	27	M	3	30	M	22	S	97	12	S	26	S	87	11	S	26														
10000	S	0																																			

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																								
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I									
Hz	%	dB		%	dB		%	dB	%	dB		%	dB	%	dB		%	dB	%	dB		%	dB		%	dB		%	dB								
50	M	20	41	S	35	38	S		S	29	40	M		M	37	15	M	11	M	33	23	M	8														
100	S	27	44	S	53	37	S	27	S	22	40	S	17	S	95	17	S	8	S	27	25	S	-6														
200	S	7	47	S	20	38	S	37	S	14	44	S	42	S	98	14	S	16	S	18	25	S	16														
500	S	4	45	S	11	38	S	42	M	5	41	M	27	S	96	13	S	26	S	24	24	S	26														
1000	S	5	46	S	9	39	S	32	S	11	40	S	42	S	94	14	S	26	S	28	24	S	26														
2000	S	5	47	S	6	37	S	22	S	14	40	S	39	S	64	16	S	16	S	28	25	S	16														
5000	S	2	44	S	3	36	S	27	S	3	38	S	22	S	81	16	S	16	M	11	22	M	16														
6000	S	2	42	S	2	34	S	27	S	4	37	S		M	41	16	S	16	S	41	21	S	16														
7000	S	2	40	S	2	32	S	22	S	4	36	S	32	S	79	16	S	16	S	72	20	S	16														
8000	S	2	38	S	3	31	S	27	S	4	34	S	32	S	95	15	S	16	S	92	18	S	16														
9000	S	2	35	S	3	28	S	27	M	2	33	M	22	S	96	14	S	26	S	90	14	S	26														
10000	S	-1																																			

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																									
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I										
Hz	%	dB		%	dB		%	dB	%	dB		%	dB	%	dB		%	dB	%	dB		%	dB		%	dB		%	dB									
50	M	30	43	S	45	35	M		M	30	41	M		M	43	16	M	5	M	38	23	M	1															
100	S	31	46																																			
200	S	36	45																																			
500	S	23	47	S	27	38	S	25	S	15	44	S	11	S	81	16	S	16	M	24	25	M																
1000	S	16	47	S	17	39	S	22	S	15	41	S	19	S	32	17	S	13	M	26	25	S	13															
2000	S	15	48	S	17	38	S	37	S	16	45	S	20	S	30	17	S	21	S	28	25	S	8															
5000	S	2	42	S	4	33	S	32	S	3	37	S	42	S	15	14	S	26	S	27	22	S	16															
6000	S	5	42	S	5	32	S	22	S	9	37	S	30	S	75	16	S	26	S	64	20	S	16															
7000	S	3	41	S	3	33	S	22	S	6	35	S	32	S	76	16	S	16	S	65	19	S	16															
8000	S	2	39	S	3	30	S	27	S	5	33	S	32	S	94	15	S	16	S	86	17	S	16															
9000	S	2	37	S	3	28	S	27	S	2	31	M	22	S	96	13	S	26	S	83	14	S	26															
10000	S	1																																				

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I						
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB						
50	M	18			S	24	S	37		S	31	S	42		S	43	15	S	16		S	17	17	S	16		
100	S	4	37		S	28	S	32		S	14	S	32		S	29	13	S	26		S	22	15	S	16		
200	S	4	34		S	24	S	27		S	6	27	S	32		S	37	11	S	26		S	27	13	S	16	
500	S	5	33		S	8	24	S	27		S	7	27	S	32		S	40	12	S	26		S	28	14	S	16
1000	S	6	33		S	25	S	27		M	12	S	32		S	40	13	S	26		S	27	15	S	16		
2000	S	6	34		S	7	28	S	27		M	16	S	27		S	68	16	S	16		S	20	18	S	16	
5000	S	6	36		S	7	30	M	27		S	6	19	S	17		S	87	18	S	26		S	60	18	S	16
6000	S	6	37		S	9	28	S	22		S	37	31	S			S	93	16	S	21		S	39	17	S	16
7000	S	8	36		S	9	26	S	22		M	17	S	26		S	98	14	S	21		S	88	15	S	21	
8000	S	8	33		S	12	25	S	22		M	26	20	S	26		S	98	15	S	21		S	95	14	S	16
9000	S	11	32																								
10000	S	0																									

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I					
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB					
50	M	35	35		S	9	40	S		M	23	41	M	22		M	27	23	M	0		M	24	27	S	-2
100	S	21	48		S	10	38	S	32	S	29	33	S	32		S	28	23	S	16		S	25	25	S	16
200	S	5	45		S	9	38	S	27	M	59	41	S	32		S	31	24	S	16		S	24	25	S	16
500	S	6	45		S	9	36	S	32	M	90	27	S	32		S	40	24	S	16		S	29	25	S	16
1000	S	6	45		S	5	37	S	27	M	74	28	S	32		S	41	24	S	26		S	31	27	S	16
2000	S	3	46		S	4	36	S	22	S	3	40	S	22		S	65	18	S	16		M	16	25	S	16
5000	S	3	46		S	3	36	S	27	S	6	38	S	32		S	79	18	S	16		S	67	24	S	16
6000	S	3	44		S	6	34	S	22	S	8	35	S	32		S	88	17	S	16		S	67	22	S	16
7000	S	5	42		S	6	30	S	22	S	8	32	S	32		S	97	15	S	16		S	53	19	S	16
8000	S	5	40		S	7	29	S	22	S	9	31	M	27												
9000	S	6	37																							
10000	S	-1																								

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I					
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB					
50	M	45	45		S	27	35	S	18	S	45	41	S			S	50	17	S	13		S	37	23	S	3
100	S	89	47		S	4	37	S	22	S	4	37	S	22		S	39	19	S	16		S	18	25	S	16
200	S	96	48		S	3	36	S	27	S	6	32	S	32		S	89	18	S	26		S	77	23	S	16
500	S	92	48		S	4	32	S	27	S	6	37	M	32		S	17	18	S	16		S	83	21	S	16
1000	S	53	47		S	5	32	S	27	S	7	31	S	32		S	97	16	S	16		S	91	19	S	16
2000	S	26	44		S	27	35	S	18	S	45	41	S			S	98	15	S	26		S	95	16	S	16
5000	S	3	45		S	4	37	S	22	S	4	37	S	22												
6000	S	2	44		S	3	36	S	27	S	6	32	S	32												
7000	S	3	42		S	4	32	S	27	S	6	37	M	32												
8000	S	4	40		S	5	32	S	27	S	7	31	S	32												
9000	S	4	37		S	5	28	S	27	S	7	31	S	32												
10000	S	3																								

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET									
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		
50	M	10	26	M	20	26	M	32		M	14	25	M	26		M	11	M	7	M	82	
100	S	3	33	S	8	30	S	32		M	7	29	S	32		S	96	16	S	16	S	15
200	S	3	31	S	8	28	S	32		M	6	27	S	32		S	98	13	S	16	S	16
500	S	4	29	S	6	26	S	27		M	8	25	S	32		S	75	12	S	16	S	20
1000	S	4	29	S	6	27	M	27		M	6	25	S	32		S	61	13	S	16	S	19
2000	S	5	30	S	6	27	S	27		M	5	26	M	22		S	39	14	S	16	S	18
5000	S	4	33	S	5	30	S	22		S	6	25	S	32		M	36	16	S	16	S	16
6000	S	4	32	S	5	28	S	27		M	6	28	S	32		S	47	15	S	16	S	20
7000	S	5	33	S	5	30	S	22		S	7	29	S	32		S	78	17	S	16	S	28
8000	S	4	31	S	6	28	S	27		S	8	25	S	32		S	15	S	16	S	25	18
9000	S	6	28	S	7	25	S	22		M	8	25	S	27		S	97	13	S	16	S	30
10000	S	0																				

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET									
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		
50	M	13	32	M	20	30	M	32		M	15	33	M	24		M	29	18	M	3	M	21
100	M	2	46	S	18	40	M	37		S	5	39	M	32		S	88	21	M	16	S	17
200	S	5	41	S	7	38	S	27		S	10	36	S	32		S	47	20	S	8	S	18
500	S	3	40	S	4	36	S	27		S	10	33	S	32		S	36	20	S	16	S	23
1000	S	4	40	S	5	37	S	22		S	9	35	S	32		S	40	20	S	16	S	24
2000	S	7	40	S	7	38	S	20		S	12	34	S	20		S	55	19	S	6	S	26
5000	S	3	39	S	4	36	S	27		S	4	35	S	22		S	22	18	S	26	S	27
6000	S	4	38	S	4	34	S	22		S	5	33	S	27		M	89	18	S	16	S	29
7000	S	3	36	S	4	33	S	27		S	7	34	S	42		S	87	19	S	26	S	94
8000	S	2	33	S	4	31	S	27		M	2	32	M	22		S	94	17	S	16	S	96
9000	S	4	30	S	5	27	S	27		M	4	30	M	22		S	98	18	S	26	S	18
10000	S	0																				

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET									
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		
50	M	17	40	S	74	39	M	32		S	80	37	M	27		M	39	19	M	18	M	34
100	M	4	44	S	29	41	M	47		S	19	37	M	32		M	81	21	M	26	M	30
200	S	19	44	S	26	41	S	40		S	19	40	S	32		S	81	20	S	16	S	31
500	S	17	44	S	21	41	S	25		S	20	39	S	24		S	90	19	S	16	S	32
1000	S	18	43	S	20	40	S	22		S	18	37	S	20		S	86	19	S	16	S	33
2000	S	18	43	S	18	38	S	20		S	16	39	S	16		M	68	18	S	15	S	36
5000	S	3	38	S	5	35	S	27		S	4	35	S	32		M	29	20	S	13	S	25
6000	S	3	37	S	5	34	S	27		S	6	36	S	32		M	86	18	S	26	S	47
7000	S	3	35	S	4	33	S	27		S	6	34	S	42		S	86	19	S	26	S	92
8000	S	2	33	S	3	31	S	27		S	4	33	S	27		S	92	17	S	16	S	96
9000	S	3	30	S	5	27	S	27		S	7	30	S	27		S	98	17	S	26	S	98
10000	S	0																				

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz		%	dB		%	dB		%	dB		%	dB		%	dB
50	M		25												
100	S		21												
200	S		15												
500	S		10												
1000	S		9												
2000	S		11												
5000	S		15												
6000	S		18												
7000	S		20												
8000	S		19												
9000	S		18												
10000	S		0												

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz		%	dB		%	dB		%	dB		%	dB		%	dB
50	M		35												
100	M		32												
200	S		24												
500	S		18												
1000	S		20												
2000	S		24												
5000	S		32												
6000	S		32												
7000	S		33												
8000	S		32												
9000	S		30												
10000	S		1												

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz		%	dB		%	dB		%	dB		%	dB		%	dB
50	S		34												
100	M		43												
200	S		32												
500	S		31												
1000	S		31												
2000	S		33												
5000	S		34												
6000	S		34												
7000	S		34												
8000	S		33												
9000	S		30												
10000	S		0												

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left=right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	S	12	26	S	28	24	S	35		S	17	26	S	29		S	97	7	S	8
100	S	4	31	S	12	27	S	37		M	8	30	S	37		S	10	S	16	
200	S	5	28	S	11	25	S	32		M	6	28	S	32		S	97	8	S	16
500	S	5	26	S	7	24	S	27		M	5	26	M	22		S	97	7	S	16
1000	S	5	27	S	6	24	S	27		M	5	27	M	20		S	8	S	16	
2000	S	4	27	S	6	24	S	27		M	5	26	S	22		S	95	9	S	16
5000	S	4	30	S	4	27	S	27		M	3	29	S	22		S	77	13	S	16
6000	S	4	28	S	5	26	S	27		M	4	29	M	22		S	78	13	S	16
7000	S	4	29	S	5	26	M	27		M	3	30	M	22		S	76	15	S	16
8000	S	4	27	S	6	25	S	25		M	5	27	M	22		S	90	12	S	16
9000	S	6	25	S	8	21	S	27		M	6	24	M	22		S	96	13	S	16
10000	S	0														S	91	10	S	16

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	M	13	29	S	33	32	S	32		S	35	33	M	27		S	34	12	M	16
100	S	12	39	S	81	36	S	62		M	11	42	M	18		S	14	S	11	
200	S	8	37	S	24	35	S			M	4	37	M			S	98	12	S	5
500	S	3	36	S	6	32	S	27		M	3	36	M	20		S	98	13	S	16
1000	S	4	36	S	6	32	S	27		S	8	36	S	32		S	96	14	S	13
2000	S	3	36	S	10	32	S	32		S	8	36	S	42		S	89	15	S	26
5000	S	2	35	S	6	32	S	32		S	3	35	M	32		S	23	20	S	26
6000	S	2	34	S	4	31	S	32		S	7	34	S	42		S	84	17	S	26
7000	S	2	33	S	3	30	S	27		S	6	33	S	32		S	73	18	S	26
8000	S	2	32	S	3	28	S	27		S	4	30	M	32		S	84	16	S	16
9000	S	2	29	S	4	25	S	27		S	6	29	S			S	17	S	26	
10000	S	0														S	98	16	S	26

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	M	20	35	S	64	40	M	32		S	84	36	S	27		M	43	14	S	18
100	S	14	40	S	84	42	S			S	27	39	S	32		S	14	S	11	
200	S	8	38	S	97	34	S	62		S	20	38	S	59		S	98	13	S	26
500	S	4	37	S	96	34	S	47		S	14	37	S	52		S	96	13	S	26
1000	S	5	37	S	97	35	S	42		S	15	38	S	42		S	95	13	S	26
2000	S	7	38	S	71	34	S	32		S	13	36	S	37		S	86	15	S	26
5000	S	2	35	S	84	32	S	37		S	4	35	M	42		M	59	21	M	26
6000	S	2	34	S	6	32	S	32		S	9	34	S	42		S	85	18	S	26
7000	S	2	33	S	4	29	S	27		S	6	33	S			S	72	18	S	26
8000	S	2	32	S	3	28	S	27		S	4	31	M	32		S	78	16	S	16
9000	S	2	29	S	4	26	S	27		S	6	29	M			S	97	17	S	26
10000	S	0														S	16	S	26	

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB			
50	M	14								M	11	S	42	S	42	15	S	16	S	18	17	S	16
100	S	4	33	S	7	27	S	32	M	27	S	32	S	30	13	S	16	S	22	14	S	16	
200	S	4	31	S	8	24	S	27	M	10	S	32	S	37	11	S	26	S	27	13	S	16	
500	S	5	29	S	8	24	S	27	M	9	S	32	S	40	12	S	26	S	28	13	S	16	
1000	S	6	29	S	8	25	S	27	M	10	S	32	S	39	13	S	26	S	27	15	S	16	
2000	S	6	31	S	8	28	S	22	M	13	S	29	S	28	15	S	16	S	20	17	S	16	
5000	S	6	33	S	8	28	S	22	M	47	16	M	29	S	85	18	S	26	S	40	18	S	16
6000	S	6	34	S	7	29	S	27	M	7	29	S	17	S	89	15	S	21	S	41	16	S	16
7000	S	8	32	S	9	26	S	27	M	9	14	S	22	S	98	14	S	21	S	88	15	S	21
8000	S	8	30	S	10	24	S	27	M	11	18	S	17	S	16	s	21	S	95	14	S	16	
9000	S	11	29	S	13	23	S	22															
10000	S	0																					

90% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB			
50	M	37		M	39	27	M	42	M	33	22	M	42	M	98	2	M	21	M	6	M	21	
100	M	11	43	M	83	39	M	47	M	59	18	M	42	M	98	25	M	23	M	28	M	21	
200	S	4	41	S	10	35	S	37	M	86	19	S	32	S	25	24	S	16	S	17	25	S	16
500	S	5	39	S	7	34	S	27	S	95	18	S	32	S	31	23	S	16	S	21	24	S	16
1000	S	6	40	S	7	35	S	27	M	93	29	S	32	S	39	23	S	26	S	26	24	S	16
2000	S	5	41	S	7	35	S	27	S	19	32	S	32	S	43	25	S	26	S	33	26	S	16
5000	S	8	43	S	9	38	S	22	S	6	22	S	7	S	31	26	S	16	S	42	28	M	
6000	S	10	42	S	11	37	S	22	S	13	26	S	22	S	63	26	S	21	S	28	S	16	
7000	S	13	41	S	13	35	S	18	S	15	38	S	22	S	95	25	S	16	S	96	26	S	16
8000	S	12	38	S	13	33	S	20	S	15	89	S	22	S	24	25	S	21	S	98	25	S	16
9000	S	16	37	S	17	31	S	20	S	18	24	S	22	M	46	23	S	18	S	24	S	16	
10000	S	0																					

125% MODULATION

AUDIO FREQUENCY Hz	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB			
50	M	39		M	39	20	M	42	M	33	24	M	42	M	4	M	16	M	25	M	16		
100	M	8	11	M	80	41	M	50	M	69	20	M	52	M	98	-1	M	26	M	3	M	26	
200	S	5	43	S	10	37	S	32	M	80	21	S	32	S	20	26	S	16	S	18	28	S	16
500	S	5	42	S	8	37	S	32	M	89	20	S	32	S	30	25	S	16	S	23	27	S	16
1000	S	6	42	S	8	37	S	27	M	96	20	S	32	S	38	26	S	26	S	30	27	S	16
2000	S	4	43	S	7	38	S	32	M	65	21	S	32	S	40	27	S	26	S	35	29	S	26
5000	S	10	45	S	11	40	S	22	M	8	24	S	22	S	31	14	M	20	S	26	30	M	18
6000	S	12	44	S	13	39	S	22	M	54	28	S	22	M	62	26	S	21	S	80	29	S	16
7000	S	14	42	S	14	36	S	20	S	16	38	S	20	M	47	26	S	16	M	77	28	S	16
8000	S	12	40	S	13	34	S	20	S	16	24	M	20	S	53	24	S	18	M	97	26	S	16
9000	S	17	38	S	18	33	S	20	S	18	35	S	22	S	42	24	S	18	S	98	25	S	16
10000	S	0																					

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I
Hz	%	dB		%	dB		%	dB	%	dB		%		%	dB		%	dB	%	dB		%	dB
50	M	10	35	M	25	29	M	37	M	15	28	M	27	M	93	10	M	6	M	39	13	M	3
100	S	3	41	S	9	34	S	37	S	8	36	S	42	S	22	14	S	16	S	6	30	S	6
200	S	3	40	S	7	33	S	37	S	5	35	S	32	S	24	13	S	16	S	5	29	S	6
500	S	3	39	S	5	32	S	27	S	4	34	S	22	S	29	12	S	16	S	8	28	S	6
1000	S	4	39	S	5	33	S	22	S	5	34	S	22	S	32	12	S	26	S	10	28	S	6
2000	S	4	40	S	5	32	S	22	S	5	36	S	22	S	32	14	S	26	S	11	29	S	6
5000	S	4	43	S	4	31	S	22	S	3	39	S	27	M	24	17	S	16	S	24	19	S	16
6000	S	8	45	S	12	37	S	32	S	12	40	S	32	S	56	17	S	16	S	16	33	S	6
7000	S	10	42	S	15	35	S	32	S	13	38	S	27	S	93	15	S	16	S	17	31	S	6
8000	S	9	40	S	17	33	S	32	S	11	36	S	27	S	92	13	S	16	S	17	29	S	6
9000	S	12	37	S	25	31	S	37	S	19	33	S	32	S	98	11	S	16	S	22	26	S	6
10000	S	0																					

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I
Hz	%	dB		%	dB		%	dB	%	dB		%		%	dB		%	dB	%	dB		%	dB
50	M	97	45	S	12	36	M	27	M	10	41	M	27	S	50	18	S	6	S	40	26	M	6
100	M	9	49	S	6	36	S	32	S	5	40	S		S	92	14	S		S	63	33	S	
200	S	3	45	S	4	37	S	27	S	4	37	S	32	S	17	11	S	16	S	9	28	S	6
500	S	3	44	S	5	34	S	27	S	5	35	S	22	S	23	19	S	16	S	13	30	S	6
1000	S	5	40	S	5	34	S	27	M	5	41	M	9	S	93	19	S	21	S	33	23	S	6
2000	S	13	53	S	12	40	M		M	5	41	M	22	M	92	19	S	16	S	38	21	S	16
5000	S	4	51	M	5	37	M	22	M	5	41	M	22	M	74	18	M		M	49	20	M	
6000	S	5	50	M	15	33	M		M	15	39	M		M	55	18	M	21	M	55	18	M	11
7000	M	17	48	M	20	31	S	12	M	20	38	M	24	M	55	17	S	16	S	25	16	S	3
8000	S	16	40	S	15	33	S	17	S	16	33	S	17	S	42	17	S	16	S	31	15	S	3
9000	S	19	43	S	19	35	S	17	S	19	38	S	18										
10000	S	2																					

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I
Hz	%	dB		%	dB		%	dB	%	dB		%		%	dB		%	dB	%	dB		%	dB
50	M	28	45	M	92	38	M	21	S	97	40	M	15	M	39	21	M	0	M	32	23	M	
100	M	9	48	M	12	38	S	27	M	11	42	M	27	S	53	17	S	6	S	43	24	M	6
200	S	47	47	S	4	37	S	27	S	4	39	S	32	S	18	14	S	16	S	10	32	S	6
500	S	3	46	S	72	34	S	27	S	5	37	S	22	S	87	19	S		S	94	29	S	
1000	S	5	32	S	12	39	S	17	S	6	43	M	16	S	71	20	S	21	S	29	23	S	16
2000	S	10	47	S	5	35	M	22	M	5	40	M	22	M	95	19	S	26	S	33	20	M	21
5000	S	5	51	M	15	36	M	20	M	15	39	M	20	M	66	18	M	23	M	52	19	M	16
6000	M	23	47	M	22	32	M	19	M	22	37	M	19	M	45	18	M	21	M	67	17	M	13
7000	M	26	46	M	17	32	M	21	S	17	35	M	20	M	40	17	M	21	M	91	16	M	13
8000	M	31	43																				
9000	S	3																					
10000	S	3																					

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET															
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	
50	M		33																									
100	M		38																									
200	S		30																									
500	S		13																									
1000	S		10																									
2000	S		14																									
5000	S		15																									
6000	S		22																									
7000	S		39																									
8000	S		33																									
9000	S		34																									
10000	S		1																									

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET															
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	
50	M		39																									
100	S		41																									
200	S		33																									
500	S		15																									
1000	S		13																									
2000	S		19																									
5000	M		46																									
6000	M		43																									
7000	M		37																									
8000	M		41																									
9000	M		38																									
10000	S		0																									

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET															
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	
50	M		42																									
100	M		41																									
200	S		33																									
500	S		15																									
1000	S		19																									
2000	S		43																									
5000	S		44																									
6000	M		42																									
7000	M		42																									
8000	M		42																									
9000	S		38																									
10000	S		-1																									

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with left=right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
Hz	%	dB	%	dB	%	dB	%	dB	%	%	dB	%	dB	%	dB	%	dB	%	dB	%			
50	S	11	33	M	26	27	S	37	S	16	28	S	27	S	6	S	11	S	13	22	S	-4	
100	S	3	38	M	10	30	S	37	S	10	34	S	32	S	32	10	S	16	S	7	27	S	6
200	S	2	35	S	9	28	S	37	S	6	31	S	32	S	55	8	S	26	S	9	25	S	6
500	S	3	33	S	5	27	S	32	S	5	29	S	32	S	50	7	S	26	S	12	22	S	16
1000	S	2	33	S	3	26	S	32	S	4	29	S	32	S	47	7	S	26	S	14	23	S	16
2000	S	2	35	M	3	28	S	27	S	3	30	S	32	S	43	8	S	26	S	16	24	S	16
5000	S	2	37	S	3	32	S	27	S	3	33	S	32	S	32	9	S	26	S	14	26	S	16
6000	S	2	38	S	3	30	S	27	S	3	34	S	32	S	32	10	S	26	S	18	27	S	16
7000	S	2	37	M	2	31	S	22	S	3	33	S	32	S	34	9	S	26	S	20	26	S	16
8000	S	2	35	S	3	29	M	22	S	3	31	S	32	S	51	8	S	26	S	17	24	S	16
9000	S	3	32	M	3	26	M	22	S	5	28	S	32	S	87	6	S	26	S	19	22	S	16
10000	S		-1																				

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
Hz	%	dB	%	dB	%	dB	%	dB	%	%	dB	%	dB	%	dB	%	dB	%	dB	%			
50	M	31	44	S	32	39	M	32	S	10	39	S	32	S	26	19	S	16	S	19	24	S	16
100	S	6	51	S	32	39	M	32	S	9	42	S	32	S	23	15	S	16	S	15	32	S	6
200	S	3	48	M	10	36	S	32	S	7	40	S	32	S	25	15	S	16	S	18	32	S	6
500	S	4	47	S	5	41	S	22	S	7	41	S	32	S	27	14	S	11	S	23	32	S	6
1000	S	5	46	S	4	42	S	19	S	7	41	S	32	S	29	15	S	26	S	27	32	S	16
2000	S	4	46	S	8	40	M	37	M	5	40	M	32	M	19	14	S	15	S	16	31	M	6
5000	S	3	44	M	4	37	M	22	M	3	40	M	17	S	30	13	S	16	S	23	31	S	16
6000	S	5	44	M	2	36	M	13	S	3	42	S	17	S	31	12	S	16	S	21	29	S	16
7000	S	4	42	S	3	34	S	17	M	2	37	M	12	S	31	12	S	16	S	18	27	S	16
8000	S	4	40	S	2	31	S	20	M	2	35	M	15	S	47	10	S	26	S	19	25	S	16
9000	S	4	37	S	4	27	S	20	S	4	32	S	22	S	78	8	S	26	S	19	25	S	16
10000	S		0																				

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
Hz	%	dB	%	dB	%	dB	%	dB	%	%	dB	%	dB	%	dB	%	dB	%	dB	%			
50	M	35	45	S	75	41	M	27	M	21	41	M	24	S	38	17	M	8	S	33	22	M	5
100	M	11	45	S	73	41	M	27	S	15	43	S	32	S	28	20	S	26	S	23	34	S	26
200	S	9	49	S	13	42	S	32	S	11	42	S	32	S	27	17	S	16	S	22	34	S	13
500	S	7	48	S	61	40	S	42	S	14	42	M	27	S	29	21	S	26	S	28	33	S	26
1000	S	8	47	S	18	40	M	5	S	40	46	S	46	S	55	21	S	16	S	49	34	S	15
2000	S	26	47	M	13	38	S	37	S	13	40	S	42	S	28	14	S	16	S	18	32	S	16
5000	S	5	45	S	14	35	S	32	S	11	39	S	42	S	38	13	S	26	S	31	31	S	16
6000	S	7	43	S	12	33	S	47	S	17	38	S	72	S	38	13	S	46	S	29	30	S	26
7000	S	7	43	S	21	29	S	42	S	23	33	S	42	S	58	17	S	36	S	20	28	S	96
8000	S	8	38	S										S	88	10	S	16	S	20	26	S	16
9000	S																						
10000	S		2																				

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB		
50	M	29																					
100	S	4	37	M	29	S	27	S	7	32	S	32	S	45	11	S	16	S	6	26	S	6	
200	S	3	34	S	7	26	S	32	S	30	S	32	S	64	8	S	26	S	8	24	S	6	
500	S	4	33	S	26	S	27	S	7	29	S	32	S	52	7	S	26	S	12	23	S	16	
1000	S	6	33	S	27	S	27	S	7	29	S	22	S	59	8	S	26	S	16	24	S	16	
2000	S	8	35	S	8	28	S	22	S	31	S	22	S	54	10	S	21	S	19	25	S	11	
5000	S	6	39	S	6	32	S	27	S	35	S	27	S	42	13	S	26	S	12	29	S	6	
6000	S	7	39	S	8	33	S	22	S	7	35	S	22	S	88	14	S	26	S	26	29	S	16
7000	S	11	39	S	12	34	S	22	S	11	35	S	21	S	96	13	S	21	S	30	28	S	11
8000	S	13	39	S	26	34	S	35	S	24	35	S	32	S	98	13	S	21	S	37	28	S	11
9000	S	17	37	S	33	29	S	35	M	22	33	S	27	S	98	12	S	21	S	96	27	S	13
10000	S	0																					

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET											
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I			
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB			
50	M	75	45																					
100	S	53	47																					
200	S	78	47																					
500	M	70	53																					
1000	M	65	53																					
2000	M	43	51																					
5000	S	29	41	S	34	29	M			M	54	34	M			M	19	M		M	90	17	M	
6000	M	34	45																					
7000	M	26	46	S	19	31	M	23		S	20	38	M	25		M	38	17	M	23	M	90	16	M
8000	M	38	44																					
9000	M	49	39																					
10000	S	0																						

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET											
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I			
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB			
50	M	46																						
100	M	61	50																					
200	M	54	48																					
500	M	97	52																					
1000	M	63	54																					
2000	M	47	51																					
5000	S	24	39	S	29	32	S	25		S	29	35	S	24		M	18	S	16	M	83	16	S	
6000	M	40	44																					
7000	M	27	45	M	34	33	M	25		S	20	37	M	25		M	38	17	M	23	M	91	15	M
8000	S	16	43	S	15	36	S			S	15	39	S			M	36	15	S	21	M	96	14	S
9000	M	40	41																					
10000	S	2																						

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

90% MODULATION

125% MODULATION

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

90% MODULATION

125% MODULATION

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left=right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	S	6	28	S	8	26	S	27		S	10	27	S	32		S	10	S	16	S	47
100	S	4	35	S	7	33	S	22		M	7	33	S	32		S	20	S	16	S	12
200	S	4	32	S	4	30	S	21		S	5	31	S	32		S	24	S	16	S	16
500	S	3	31	S	4	29	S	27		S	4	29	S	22		S	27	S	16	S	19
1000	S	3	31	S	4	29	S	22		S	4	29	S	22		S	27	S	16	S	18
2000	S	3	32	S	3	31	M	22		S	3	31	S	22		S	27	S	16	S	16
5000	S	2	34	M	2	32	S	22		S	3	32	S	22		S	29	S	16	S	13
6000	S	2	33	S	2	32	S	22		S	3	32	S	22		S	40	S	16	S	16
7000	S	3	33	S	3	31	S	22		S	3	32	S	22		S	91	S	16	S	19
8000	S	3	31	S	4	29	S	22		S	3	30	S	22		S	51	S	16	S	19
9000	S	4	29	S	3	31	S	27		S	4	27	S	22		S	88	S	16	S	25
10000	S		0																		

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	M	19	42	S	48	40	M	24		M	28	40	S	15		M	33	S	20	M	8
100	S	26	43	S	35	41	S	27		S	19	42	S	15		S	81	S	23	S	25
200	S	7	45	S	17	42	S	35		S	12	44	S	42		S	91	S	21	S	14
500	S	5	43	S	10	40	S	32		S	9	41	S	42		S	63	S	20	S	16
1000	S	6	44	S	8	42	S	27		S	10	44	S	44		S	58	S	20	M	21
2000	S	5	45	S	6	43	S	22		S	14	42	S	62		S	39	S	21	S	26
5000	S	2	42	S	3	40	S	22		S	2	42	S	22		S	39	S	20	S	16
6000	S	2	40	S	2	38	S	22		S	4	38	S	32		S	88	S	20	S	16
7000	S	2	38	S	2	36	S	22		S	3	39	S	32		S	94	S	19	S	16
8000	S	2	36	S	3	34	S	17		M	4	34	S	32		S	97	S	17	S	16
9000	S	2	33	S	3	30	S	27		M	2	30	M	22		S	94	S	14	S	16
10000	S		0																		

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	M	28	41	S	45	39	M			M	28	41	S			M	38	S	21	M	2
100	S	9	44	S	34	41	M			S	19	43	S			S	62	S	22	M	28
200	S	32	43																	S	28
500	S	25	45	S	28	43	S	25		S	15	42	S	7		M	24	S	23	M	-6
1000	S	16	46	S	35	43	S	27		S	14	43	S	17		M	26	S	23	S	12
2000	S	15	46	S	16	43	S			M	15	46	S	17		S	26	S	22	S	16
5000	S	2	40	S	3	37	S	27		S	3	41	M	32		S	44	S	19	S	16
6000	S	5	39	S	5	36	S	22		S	9	41	S	32		S	88	S	19	S	16
7000	S	2	39	S	3	36	S	22		S	6	36	S	32		S	93	S	19	S	16
8000	S	2	37	S	2	34	S	22		S	5	35	S	32		S	97	S	17	S	16
9000	S	2	34	S	3	31	S	22		M	2	32	S	22		S	95	S	14	S	16
10000	S		1																		

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left==right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET											
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I			
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB			
50	M	14			S	6	31	S	27	M	25	S	32	S	18	17	S	16	S	14	19	S	16	
100	S	4	34		S	6	29	S	27	S	29	S	32	S	22	15	S	16	S	17	16	S	16	
200	S	4	32		S	6	28	M	22	S	6	28	S	22	S	27	14	S	16	S	21	15	S	16
500	S	5	30		S	7	28	S	22	S	27	28	S	22	S	32	14	S	16	S	23	15	S	16
1000	S	6	31		S	7	29	S	22	S	27	28	S	22	S	32	15	S	16	S	23	17	S	16
2000	S	6	32		S	7	29	S	22	S	12	S	32	S	32	15	S	16	S	23	17	S	16	
5000	S	6	34		S	6	31	S	22	S	32	S	27	S	22	19	S	16	S	16	20	S	16	
6000	S	7	35		S	31	S	22	M	32	S	27	S	39	19	S	16	S	26	20	S	16		
7000	S	8	34		S	8	31	S	22	M	38	30	S	58	17	S	16	S	28	18	S	16		
8000	S	8	31		S	9	28	S	22	M	17	S	96	15	S	18	S	48	17	S	16			
9000	S	11	30		S	12	27	S	22	S	29	27	S	95	14	S	16	S	76	15	S	16		
10000	S	0																						

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET											
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I			
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB			
50	M	41	42		S	9	43	S	12	M	24	42	S	25	25	M	-4	S	25	29	S	-6		
100	M	23	45		S	7	39	S	27	S	8	39	S	32	S	23	25	S	16	S	19	26	S	16
200	S	5	42		S	7	39	S	27	S	46	35	S	32	S	26	25	S	16	S	19	28	S	16
500	S	6	42		S	7	39	S	27	S	14	40	S	32	S	34	25	S	16	S	22	26	S	16
1000	S	6	42		S	8	39	S	27	S	69	40	S	32	S	33	27	S	26	S	25	28	S	16
2000	S	3	43		S	5	41	S	27	S	3	40	S	17	S	29	22	S	16	S	14	27	S	6
5000	S	3	43		S	4	40	S	22	S	3	38	S	32	S	40	21	S	16	S	25	25	S	16
6000	S	2	42		S	3	38	S	22	M	3	38	S	32	S	40	20	S	16	S	24	23	S	16
7000	S	5	40		S	5	37	S	22	S	7	37	S	32	S	42	20	S	16	S	20	21	S	16
8000	S	5	37		S	6	34	S	22	S	7	34	M	27	S	38	18	S	16	S	24	18	S	16
9000	S	6	35		S	6	31	S	22	S	8	32	S	27	S	77	16	S	16	S	24	18	S	16
10000	S	-1																						

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET											
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I			
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB			
50	M	98	44		S	26	38	S	17	S	45	39	S	17	S	60	21	S	11	S	32	25	S	-2
100	S	94	44		S	4	39	S	22	M	2	39	S	17	S	30	23	S	16	M	12	26	S	16
200	S	-	45		S	3	39	S	27	S	5	39	S	32	S	44	22	S	16	S	24	25	S	16
500	S	94	45		S	4	37	S	22	S	6	39	S	32	S	62	20	S	16	S	25	23	S	16
1000	S	51	44		S	5	34	S	22	S	4	35	S	22	S	69	18	S	16	S	21	20	S	16
2000	S	25	42		S	5	31	S	22	S	4	26	S	22	S	96	16	S	16	S	22	17	S	16
5000	S	4	43		S	5	31	S	22	S	2	39	S	17	S	30	23	S	16	M	12	26	S	16
6000	S	2	41		S	3	39	S	27	S	5	39	S	32	S	44	22	S	16	S	24	25	S	16
7000	S	3	40		S	4	37	S	22	S	6	39	S	32	S	62	20	S	16	S	25	23	S	16
8000	S	4	38		S	5	34	S	22	S	4	35	S	22	S	69	18	S	16	S	21	20	S	16
9000	S	4	34		S	5	31	S	22	S	4	26	S	22	S	96	16	S	16	S	22	17	S	16
10000	S	2																						

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	M	6	24	M	8	22	M	27		M	7	24	M	22		M	72	9	M	16
100	S	3	33	S	3	32	S	27		M	4	30	S	32		S	15	20	S	16
200	S	4	30	S	4	29	S	22		S	4	28	M	22		S	16	18	S	16
500	S	4	29	S	5	28	S	22		S	5	26	S	32		S	19	16	S	16
1000	S	4	29	S	5	28	S	22		M	5	26	S	22		S	20	17	S	16
2000	S	5	30	S	5	29	S	17		M	5	27	M	20		S	20	17	S	16
5000	S	4	33	S	4	33	S	17		S	4	30	S	21		S	23	20	S	16
6000	S	4	32	S	4	31	S	22		S	5	29	M	22		S	23	19	S	16
7000	S	4	33	S	5	32	S	22		S	7	30	S	32		S	40	20	S	16
8000	S	4	31	S	5	30	S	22		S	7	27	S	32		S	34	18	S	16
9000	S	6	27	S	7	26	S	22		S	8	25	S	27		S	40	14	S	16
10000	S		1							S	8	25	S	27		S	22	16	S	16

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	M	6	37	M	7	36	M	27		M	6	33	M	17		M	22	22	M	6
100	M	2	43	S	22	43	M	42		S	15	39	M	42		S	67	25	M	16
200	S	6	41	S	6	40	S	20		S	3	37	S			S	31	25	S	6
500	S	4	39	S	4	39	S	22		M	2	36	M			S	25	25	S	16
1000	S	4	40	S	5	39	S	22		M	3	36	S			S	30	24	S	16
2000	S	8	40	S	8	39	S	17		S	12	35	S			S	42	24	S	6
5000	S	3	38	S	4	37	S	22		S	4	37	S	22		S	15	21	M	16
6000	S	4	37	S	4	36	S	22		S	5	36	S	22		S	29	21	S	16
7000	S	3	35	S	4	34	S	22		S	6	35	S			S	94	22	S	16
8000	S	3	33	S	3	32	S	22		S	4	30	S			M	22	22	S	16
9000	S	4	30	S	5	29	S	22		S	7	30	M			S	98	20	S	16
10000	S		1							S	7	30	M			S	98	20	S	16

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	M	12	40	M	14	41	M	27		S	14	37	M	27		M	34	23	M	16
100	M	3	45	S	37	44	M	42		S	18	41	M	32		S	90	25	M	26
200	S	19	45	S	39	44	S	40		S	17	45	S	18		S	90	25	S	13
500	S	17	43	S	20	43	S	22		S	19	40	S	22		S	66	24	S	27
1000	S	7	43	S	19	42	S			S	17	40	M			S	67	23	S	27
2000	M	8	42	S	18	41	M			S	16	37	M			S	63	23	S	27
5000	S	3	38	S	4	37	S	32		S	4	35	S	32		M	15	20	M	26
6000	S	3	37	S	4	36	S	22		S	6	37	S	32		S	28	20	S	16
7000	S	3	35	S	4	34	S	22		S	6	35	S	42		S	94	21	S	16
8000	S	2	33	S	3	31	S	27		S	4	33	S			M	49	19	S	16
9000	S	4	30	S	4	29	S	22		S	6	30	M			S	98	19	S	16
10000	S		0							S	6	30	M			S	96	19	S	16

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB		%	dB	dB		dB		%	dB	dB		dB		%	dB	dB		%	dB	dB				
50	M	20																									
100	S	20																									
200	S	13																									
500	S	10																									
1000	S	10																									
2000	S	11																									
5000	S	15																									
6000	S	18																									
7000	S	20																									
8000	S	20																									
9000	S	19																									
10000	S	0																									

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB		%	dB	dB		dB		%	dB	dB		dB		%	dB	dB		%	dB	dB				
50	M	33																									
100	M	31																									
200	S	25																									
500	S	18																									
1000	S	20																									
2000	S	25																									
5000	S	32																									
6000	S	32																									
7000	S	32																									
8000	S	32																									
9000	S	29																									
10000	S	1																									

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB		%	dB	dB		dB		%	dB	dB		dB		%	dB	dB		%	dB	dB				
50	M	38																									
100	S	43																									
200	M	36																									
500	M	31																									
1000	S	32																									
2000	S	30																									
5000	M	31																									
6000	S	31																									
7000	S	33																									
8000	S	31																									
9000	S	28																									
10000	S	1																									

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	S	8	24	S	10	23	S	27		S	8	25	S			S	9	S	16	S	27
100	S	4	30	S	6	29	S	32		M	4	31	M	22		S	63	S	16	S	14
200	S	5	28	S	6	27	S	27		S	6	27	S	32		S	76	S	16	S	18
500	S	5	26	S	6	25	S	22		M	6	26	M	22		S	35	S	16	S	22
1000	S	5	26	S	5	25	S	22		S	6	27	M	22		S	35	S	16	S	21
2000	S	4	28	S	5	26	S	22		S	5	27	M	22		S	38	S	16	S	19
5000	S	3	29	S	4	28	S	22		S	4	28	S	22		S	61	S	16	S	18
6000	S	4	28	S	4	27	S	22		M	4	29	M	22		S	85	S	16	S	20
7000	S	4	29	S	4	28	S	22		M	3	29	M			S	87	S	16	S	27
8000	S	5	27	S	5	26	S	22		M	5	26	S	22		S	96	S	16	S	23
9000	S	6	25	S	7	23	S	22		M	6	25	M	20		S	98	S	16	S	47
10000	S		0																		

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	M	6	33	S	41	31	M	32		S	48	32	M	32		M	29	S	16	M	23
100	S	20	39	S	91	40	S			M	11	39	M			S	95	S	16	S	16
200	S	7	36	S	70	35	S	37		S	12	36	S	42		S	97	S	12	S	17
500	S	4	35	S	5	34	S	27		M	3	37	S			S	93	S	16	S	23
1000	S	4	35	S	7	35	S	27		S	8	37	S	32		S	85	S	13	S	27
2000	S	3	36	S	43	35	S	32		S	7	37	S	42		S	87	S	26	S	33
5000	S	2	34	S	5	33	S	32		S	3	36	M	32		M	15	S	16	S	29
6000	S	2	34	S	4	33	S	27		S	7	34	S	32		M	75	S	26	S	49
7000	S	2	33	S	3	32	S	22		S	6	33	S			S	79	S	16	S	68
8000	S	2	31	S	3	30	S	27		S	4	27	S	32		S	95	S	16	S	91
9000	S	3	29	S	4	27	S	27		S	6	28	S	32		S	96	S	26	S	87
10000	S		0																		

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	M	17	36	S	85	42	M			S	88	36	S			M	38	S	16	M	33
100	S	21	41	S	84	43	S			S	24	38	S			S	96	S	5	S	17
200	S	10	39	S	91	40	S	82		S	18	40	S	52		S	93	S	36	S	17
500	S	7	37	S	92	36	S			S	12	39	S	37		S	89	S	17	S	22
1000	S	8	37	S	89	36	S	37		S	12	39	S	42		S	94	S	20	S	26
2000	S	8	38	S	78	36	S	32		S	12	38	S	42		S	76	S	26	S	31
5000	S	4	34	S	85	32	S	37		S	5	34	S	27		M	69	S	26	M	52
6000	S	2	34	S	5	33	S	27		S	6	33	S	42		S	71	S	26	M	64
7000	S	3	33	S	3	32	S	27		S	6	33	S			S	74	S	16	S	90
8000	S	2	31	S	3	30	S	27		S	4	31	S	32		S	93	S	16	S	87
9000	S	3	29	S	4	27	S	27		S	6	29	S	32		S	18	S	26	S	85
10000	S		0																		

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		
50	M	11														
100	S	4	32	S	6	30	S	27	S	11	S	32	S	19	17	
200	S	5	30	S	7	27	S	27	M	12	S	32	S	23	15	
500	S	6	28	S			S		M	26	S	32	S	29	13	
1000	S	6	28	S	7	26	S	22	S	26	S	32	S	32	14	
2000	S	6	30	S			S		S	12	S	27	S	32	15	
5000	S	7	32	S			S		S	13	S	27	S	24	18	
6000	S	7	33	S	7	31	S	22	M	43	16	S	27	18	S	
7000	S	8	31	S	9	29	S	22	S	37	29	M	S	63	16	
8000	S	9	29	S			S		M	27	S	27	S	95	15	
9000	S	11	28	S	12	26	S	20	S	11	25	S	15	S	96	14
10000	S		0											S	66	16

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz	%	dB		%	dB		%	dB		%	dB		%	dB	
50	M	9	36	M	27	34	M	37	M	28	20	M	42	M	15
100	M		42											M	98
200	S	4	40	S	6	38	S	27	M	59	19	S	32	S	20
500	S	5	38	S	6	37	S	22	M	60	18	S	32	S	24
1000	S	6	39	S	7	37	S	22	M	52	23	S	32	S	31
2000	S	5	40	S	7	38	S	27	M	29	25	S	32	S	40
5000	S	9	42	S	9	40	S	17	M	9	42	M	22	M	50
6000	S	11	41	S	11	39	S	22	S	14	27	S		M	69
7000	S	13	40	S	13	38	S	17	S	15	32	S	22	S	95
8000	S	12	37	S	13	35	S	22	S	15	33	M	22	S	59
9000	S	16	35	S	17	34	S	20	S	18	34	S	22	S	26
10000	S		0											S	26

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz	%	dB		%	dB		%	dB		%	dB		%	dB	
50	M	8	30	M	23	30	M	37	M	25	23	M	37	M	11
100	M	10	18	M	45	41	M	42	M	49	19	M	44	M	94
200	S	5	42	S	8	40	S	32	S	38	40	S	32	S	20
500	S	6	41	S	7	39	S	27	S	64	39	S	30	S	27
1000	S	7	41	S	8	39	S	22	S	40	41	S	27	S	35
2000	S	5	42	S	7	40	S	27	S	25	22	S	32	S	39
5000	S	11	44	S	11	42	S	17	S	7	24	S		M	51
6000	M	21	43	S	13	41	S		S	16	29	S		M	71
7000	S	14	41	S	14	39	S	17	S	16	27	S		S	56
8000	S	12	39	S	13	36	S	20	S	16	89	S		M	57
9000	S	17	37	S	18	35	S	18	S	18	27	S	22	S	98
10000	S		0											S	98

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz	%	dB		%	dB		%	dB		%	dB		%	dB	
50	M	5	25	M	8	26	M	27	M	8	26	M	32	M	69
100	S	3	34	S	5	33	S	27	S	5	33	S	32	S	17
200	S	4	34	S	5	32	S	27	S	4	32	S	22	S	18
500	S	4	32	S	5	31	S	22	S	4	31	S	22	S	22
1000	S	5	33	S	5	32	S	22	S	5	32	S	22	S	24
2000	S	5	34	S	5	33	S	22	S	5	33	S	22	S	25
5000	S	5	37	S	5	36	S	22	S	5	36	S	22	S	20
6000	S	9	38	S	10	37	S	27	S	11	38	S	27	S	32
7000	S	11	36	S	14	36	S	27	S	13	35	S	27	S	35
8000	S	10	34	S	14	33	S	32	S	12	33	S	22	S	37
9000	S	13	32	S	22	31	S	32	S	18	31	S	29	S	91
10000	S		0											S	13

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz	%	dB		%	dB		%	dB		%	dB		%	dB	
50	M	87	39	S	3	38	S	22	S	3	36	S	22	S	13
100	S	42	42	S	67	38	S	22	S	5	36	S	22	S	95
200	S	37	41	S	12	41	S	11	M	5	39	S	22	S	64
500	S	3	42	M	5	38	M	27	S	5	38	S	32	S	21
1000	S	5	37	M	15	36	M	18	M	15	37	M	18	M	75
2000	S	10	43	S	19	35	M	18	M	19	35	M	18	M	61
5000	S	4	40	S	20	34	M	18	S	20	35	S	15	S	18
6000	S	5	38	S	20	35	S	15	S	20	35	S	15	S	18
7000	M	20	25	S	16	30	S	9	S	16	34	S	7	S	19
8000	M	22	35	S	20	35	S	15	S	20	35	S	15	S	24
9000	S	20	37	S	20	35	S	15	S	20	35	S	15	S	28
10000	S		1											S	32

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz	%	dB		%	dB		%	dB		%	dB		%	dB	
50	M	26	41	M	97	39	M	17	M	92	39	M	17	M	33
100	M	9	44	M	11	41	S	26	M	11	40	M	22	S	52
200	S	30	38	S	38	41	S	13	S	36	39	S	22	S	57
500	S	3	40	S	3	38	S	22	S	3	39	S	22	S	13
1000	S	5	39	S	62	38	S	22	S	62	25	S	22	S	13
2000	S	13	43	S	12	41	S	20	S	12	41	S	20	S	54
5000	M	5	39	M	6	37	M	27	M	6	37	M	22	M	20
6000	M	21	38	M	17	36	M	12	M	17	36	M	12	M	66
7000	M	31	35											M	46
8000	M	33	33											S	22
9000	M	34	37											M	10
10000	S		1											S	10

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB
50	M	30																								
100	S	32																								
200	S	24																								
500	S	8																								
1000	S	5																								
2000	S	9																								
5000	S	9																								
6000	S	18																								
7000	S	29																								
8000	S	29																								
9000	S	30																								
10000	S	0																								

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB
50	M	33																								
100	M	35																								
200	S	27																								
500	S	9																								
1000	S	8																								
2000	S	13																								
5000	M	39																								
6000	M	35																								
7000	M	32																								
8000	M	35																								
9000	S	32																								
10000	M	0																								

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB
50	M	29																								
100	M	35																								
200	S	28																								
500	S	9																								
1000	S	15																								
2000	S	39																								
5000	S	38																								
6000	M	33																								
7000	S	37																								
8000	M	36																								
9000	S	32																								
10000	S	1																								

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET												
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I				
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB					
50	S	6	26	S	8	28	S			S	10	25	S	32		S	8	S	26	S	10	23	S	6	
100	S	4	32	M	2	32	S			S	6	31	S	32		S	24	13	S	16	S	6	29	S	6
200	S	4	29	M	3	28	S			S	6	28	S	32		S	31	11	S	16	S	7	26	S	6
500	S	5	27	M	5	30	S	20		S	5	26	S	22		S	38	9	S	26	S	9	24	S	6
1000	S	4	28	S	5	26	S	22		S	5	26	S	22		S	37	9	S	26	S	11	24	S	6
2000	S	4	29	M	3	28	M	22		S	4	28	S	22		S	33	10	S	26	S	11	26	S	16
5000	S	3	32	M	3	34	M	20		S	3	30	S	22		S	24	12	S	26	S	9	28	S	6
6000	S	3	32	M	3	33	S	20		S	4	31	S	22		S	24	13	S	16	S	12	28	S	16
7000	S	4	31	S	3	34	S	20		S	4	30	S	22		S	26	12	S	26	S	13	28	S	16
8000	S	4	29	S	3	28	M	20		S	5	28	S	22		S	30	10	S	16	S	12	26	S	6
9000	S	6	27	M	4	28	M			S	6	26	S	22		S	81	8	S	26	S	14	24	S	16
10000	S		0																						

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET												
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I				
Hz	%	dB		%	dB		%	dB		M	78	35	M			M	40	20	M	3	M	34	26	M	0
50	M	27	40	S	95	43	M			S	8	40	S	22		S	22	22	S	11	S	16	25	M	11
100	M	7	37	S	28	37	M	32		S	6	38	S	32		S	19	18	S	8	S	11	34	S	3
200	S	5	40	S	8	38	M	27		S	6	38	S	32		S	20	17	S	16	S	13	33	S	6
500	S	4	39	S	4	36	S	20		S	4	35	M	20		S	19	16	S	16	M	10	32	M	1
1000	S	6	38	S	4	37	S	18		S	7	37	S	22		S	21	17	S	6	S	17	33	S	3
2000	M	4	38	S	8	38	M	42		S	8	37	S	42		S	23	17	S	26	S	21	33	S	16
5000	S	5	36	M	5	34	M	20		M	4	35	M	12		S	19	16	S	16	M	10	32	M	1
6000	S	7	35	M	3	34	M	9		S	7	33	S	12		S	24	16	S	11	S	17	31	S	6
7000	S	5	34	S	3	32	M	10		M	3	32	M	8		S	23	14	S	16	S	14	30	S	6
8000	S	5	31	M	5	30	S	17		S	4	30	M	10		S	25	13	S	16	S	12	28	S	6
9000	S	7	28	M	5	30	S	20		S	4	27	M	12		S	34	10	S	16	S	13	25	S	6
10000	S		0																						

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET												
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I				
Hz	%	dB		%	dB		%	dB		M	12	39	M	27		M	12	36	M	22	S	31	27	S	1
50	M	33	36							S	67	37	S	42		S	15	38	S	32	S	22	35	M	16
100	M	11	37	M	12	39	M	27		S	70	37	S	42		S	12	38	M	39	S	23	24	M	16
200	M	10	39	S	67	37	S	42		S	48	40	M	42		M	20	40	S		S	26	22	M	26
500	M	7	40	S	12	39	M	27		S	11	34	S	27		S	11	34	S	32	S	20	34	M	16
1000	S	10	41	S	12	39	M	27		S	15	31	S	37		S	15	31	S	62	S	26	19	S	26
2000	S	31	37	S	15	31	S	37		S	17	27	S	32		S	17	27	S	42	S	25	34	M	46
5000	S	8	34	S	11	34	S	27		S	17	27	S	32		S	17	27	S	16	S	17	31	S	16
6000	S	11	33	S	15	32	S	28		S	17	27	S	32		S	16	32	S	32	S	30	29	S	16
7000	S	7	32	S	15	31	S	37		S	17	27	S	32		S	15	31	S	62	S	25	28	S	26
8000	S	6	30	S	13	30	S	37		S	17	27	S	32		S	14	29	S	52	S	31	14	S	16
9000	S	8	27	S	17	27	S	32		S	17	27	S	42		S	63	12	S	36	S	14	24	S	16
10000	S		0																						

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50	M	10																									
100	S	6	26	S	26	S	32	M	26	S	22	S	25	12	S	16	S	6	25	S	-4						
200	S	8	24	S	9	S	23	S	27	S	8	23	S	22	S	38	10	S	16	S	9	22	S	1			
500	S	9	22	S		S	22	S	17	S		S	22	S	22	S	43	9	S	16	S	12	21	S	6		
1000	S	9	22	S		S	22	S	21	S	10	22	S	22	S	46	9	S	16	S	14	21	S	3			
2000	S	10	24	S		S	24	S	22	S		S	24	S	17	S	47	11	S	16	S	16	23	S	6		
5000	S	8	27	S		S	27	S	22	S		S	26	S	22	S	33	14	S	16	S	13	26	S	6		
6000	S	9	27	S	9	27	S	22	S	9	27	S	20	S	83	15	S	21	S	22	26	S	11				
7000	S	12	27	S	14	27	S	22	S	13	27	S	27	S	92	15	S	16	S	25	26	S	6				
8000	S	14	27	S	22	27	S	30	S	22	27	S	32	S	95	15	S	16	S	31	26	S	8				
9000	S	20	25	S	28	25	S	30	S	23	25	S	24	S		13	S	16	S	75	24	S	10				
10000	S		0																								

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50	M	78	34																								
100	M	54	34																								
200	M	70	36																								
500	M	95	32																								
1000	M	65	35																								
2000	M	43	33																								
5000	S	28	24	S	31	23	M			M	52	24	M			M		19	M		M	87	17	M			
6000	M	34	26	S	17	27	M	22	S	18	27	M	22	S	41	18	M	21	S	83	17	M	14				
7000	M	27	27	S																							
8000	M	40	24	S																							
9000	M	48	21	S																							
10000	S		0																								

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET														
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50	M	96	32																								
100	M	62	34																								
200	M	55	35																								
500	M	96	34																								
1000	M	62	32																								
2000	M	47	32																								
5000	S	24	26	S	28	26	S	22	S	28	26	S	22	S	22	M		19	S	13	M	85	16	S	3		
6000	M	39	26	S	17	26	M	22	S	18	26	M	22	S	22	M	41	18	M	21	M	85	17	M	14		
7000	M	28	26	S	15	30	S	18	S	15	29	S	18	S	18	M	38	16	S	18	M	97	15	S	8		
8000	S	17	30	S																							
9000	M	40	22	S																							
10000	S		0																								

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	@ 26 dB	D/U	*	DS	S/N	*	S/I	@ 0 dB	D/U	*	DS	S/N	*	S/I	
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	dB	*	DS	S/N	*	dB	
50	M	11	20	S	11	21	S	20	M	11	24	M	18	M	97	12	M	10
100	S	5	29	M	6	26	S	22	S	6	29	S	32	S	16	19	S	16
200	S	5	27	S	6	26	S	22	M	6	26	S	22	S	19	16	S	16
500	S	6	25	S	6	25	S	22	S	6	25	S	22	S	22	15	S	16
1000	S	6	26	S	6	25	S	22	S	6	25	S	22	S	22	15	S	16
2000	S	6	27	S	6	26	S	17	M	6	26	M	22	S	22	16	S	16
5000	S	5	30	S	6	29	S	17	M	5	29	M	18	S	19	19	S	16
6000	S	5	29	S	5	28	S	17	S	6	28	S	32	S	23	18	S	16
7000	S	5	29	S	6	28	S	17	M	6	29	S	22	S	32	18	S	16
8000	S	6	27	S	6	26	S	22	S	8	26	S	27	S	27	17	S	16
9000	S	8	25	S	8	24	S	22	M	9	23	M	22	S	37	14	S	16
10000	S	0												S	23	16	S	11

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	@ 26 dB	D/U	*	DS	S/N	*	S/I	@ 0 dB	D/U	*	DS	S/N	*	S/I	
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	dB	*	DS	S/N	*	dB	
50	M	5	29	M	7	30	M	27	M	6	29	M	27	M	19	21	M	16
100	M	4	36	S	5	35	S	32	M	4	32	M	22	S	13	24	M	16
200	S	3	36	M	3	36	M	27	M	4	34	M	22	S	18	25	S	16
500	S	3	36	S	4	35	S	22	M	4	35	S	22	S	21	25	S	16
1000	M	4	36	M	4	35	S	22	M	4	37	S	22	S	23	24	M	16
2000	S	4	35	S	3	35	S	22	M	3	32	M	22	S	25	24	M	16
5000	S	3	33	S	4	33	S	27	S	4	32	S	42	S	31	20	S	16
6000	S	3	33	S	3	32	S	22	S	5	33	M	32	M	37	20	S	16
7000	S	4	31	S	4	30	S	22	S	6	31	S	32	S	78	19	S	16
8000	S	5	29	S	5	28	S	22	M	5	28	M	22	S	41	18	S	16
9000	S	6	25	S	7	25	S	22	M	7	24	M	17	S	82	15	S	11
10000	S	0												S	21	17	S	16

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	@ 26 dB	D/U	*	DS	S/N	*	S/I	@ 0 dB	D/U	*	DS	S/N	*	S/I	
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	dB	*	DS	S/N	*	dB	
50	M	72	36															
100	S	26	36	M	26	37	S	16	S	16	35	S	10	S	33	22	S	3
200	S	25	40	S	34	36	S		S	23	36	S	15	M	22	23	M	-8
500	M	17	38	M	15	37	S		S	17	38	M		M	24	23	M	1
1000	S	18	36	S	20	36	M		S	22	35	M		M	28	21	M	
2000	M	15	36	S	15	36	M	32	S	14	34	S	17	M	26	21	M	10
5000	M	3	31	S	4	31	S	32	S	3	32	S	22	M	11	21	M	26
6000	S	6	31	S	6	29	S	18	S	9	33	M		M	20	19	M	6
7000	S	4	29	S	4	29	S	17	M	3	30	M	27	M	88	18	M	11
8000	S	4	28	S	5	27	S	17	M	5	28	M	22	S	80	17	S	11
9000	S	5	25	S	5	25	S	17	M	4	25	M		S	84	14	S	16
10000	S	1												S	18	18	S	16

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																	
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U		
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	M		14																											
100	S		14																											
200	S		10																											
500	S		6																											
1000	S		7																											
2000	S		7																											
5000	S		10																											
6000	S		12																											
7000	S		13																											
8000	S		13																											
9000	S		11																											
10000	S		0																											

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																	
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U		
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	M		27																											
100	M		26																											
200	S		18																											
500	S		14																											
1000	S		15																											
2000	S		19																											
5000	S		29																											
6000	S		30																											
7000	S		29																											
8000	S		27																											
9000	S		24																											
10000	S		0																											

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																	
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U		
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	M		40																											
100	S		42																											
200	M		41																											
500	S		39																											
1000	M		39																											
2000	S		37																											
5000	S		34																											
6000	M		32																											
7000	S		31																											
8000	S		29																											
9000	S		25																											
10000	S		0																											

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
Hz		%	dB		%	dB	%	dB			%	dB	%	dB		%	dB	%	dB		dB		
50	S	13	21	S	14	20	S	21	S	15	21	S	27	S	91	9	S	10	S	85	12	S	6
100	S	7	27	S	8	26	S	27	S	9	27	S	32	S	31	15	S	16	S	16	18	S	6
200	S	7	25	S	7	24	M	22	S	8	25	S	22	S	37	13	S	16	S	18	16	S	6
500	S	7	23	S	8	23	S	22	S	7	23	S	22	S	35	11	S	16	S	22	14	S	16
1000	S	7	24	S	7	23	S	17	S	7	23	M	17	S	34	11	S	13	S	20	14	S	16
2000	S	6	25	S	6	25	S	22	S	6	24	S	22	S	33	12	S	16	S	18	15	S	16
5000	S	4	26	S	5	26	M	22	S	5	26	S	22	S	51	14	S	16	S	15	17	S	16
6000	S	5	26	S	6	25	S	22	S	5	25	S	22	S	61	14	S	16	S	18	16	S	16
7000	S	5	26	S	6	25	S	22	S	5	26	S	22	S	89	14	S	16	S	21	16	S	16
8000	S	6	24	S	7	24	M	22	S	7	24	S	22	S	85	12	S	16	S	21	15	S	16
9000	S	9	22	S	9	22	S	22	S	9	22	S	15	S	95	10	S	11	S	31	12	S	11
10000	S	0																					

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET											
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I			
Hz		%	dB		%	dB	%	dB			%	dB	%	dB		%	dB	%	dB		dB			
50	M	20	36	S	59	34	M			M	23	35	M	27	M	34	19	M	6	M	30	25	M	6
100	M	44	36																					
200	S	11	37	M	30	37	M	32	S	13	35	S	22	S	58	19	S		S	16	27	S		
500	S	6	35	S	11	35	S	22	S	11	36	S	30	S	69	19	S		S	18	26	M	21	
1000	S	6	35	S	10	36	M	32	S	11	39	M	42	S	24	19	M		S	19	26	S	26	
2000	M	10	37	S	17	37	M	22	S	15	37	S	30	S	25	21	S		M	20	26	M	6	
5000	S	3	33	S	4	33	S	25	S	3	35	S	22	S	30	20	S	16	M	8	24	M	6	
6000	S	2	33	S	3	32	M	42	S	5	33	M	42	S	20	21	S	16	M	12	23	M	16	
7000	S	3	30	S	3	29	S	17	S	5	32	S	32	S	87	18	S	16	S	24	21	M	6	
8000	S	4	28	S	4	28	S	17	M	3	28	S	19	S	89	16	S	11	M	10	19	S	6	
9000	S	6	25	S	6	25	S	17	M	4	24	S	19	S	96	14	S	16	S	21	16	S	11	
10000	S	0																						

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET											
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I			
Hz		%	dB		%	dB	%	dB			%	dB	%	dB		%	dB	%	dB		dB			
50	M	29	35	M	29	34	M			M	29	32	M		M	38	20	M	1	M	34	24	M	-2
100	M	10	38	S	36	36	M			S	17	38	M	23	S	19	21	M	5	M	15	26	M	1
200	S	23	39	S	68	37	M			S	25	40	S	22	M	23	21	M	-6	S	21	27	M	-9
500	S	13	41	S	38	38	S	18	S	17	39	S	32	S	25	21	S	15	M	21	27	S	86	
1000	M	15	37	S	17	36	M			M	17	38	S	22	M	26	21	M	11	M	23	28	M	5
2000	M	16	39	M	16	36	S			S	58	41	S	22	M	25	22	S	6	M	23	27	M	5
5000	M	3	33	S	4	32	S	27	S	4	36	S	22	S	13	18	M	26	S	9	24	M	6	
6000	S	5	30	S	5	30	S	22	S	9	33	M	22	M	19	20	S	16	M	12	24	M	6	
7000	S	4	29	S	4	29	S	17	M	7	30	S	27	M	95	18	S	6	S	25	20	S	11	
8000	S	3	28	S	4	28	S	22	M	3	29	S		S	95	17	S	16	S	17	19	S	16	
9000	S	5	25	S	6	25	S	22	M	5	24	M		S	85	14	S	16	S	20	16	S	16	
10000	S	0																						

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left=-right modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET											
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I			
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB			
50	M	16															S	16	18	S	6			
100	S	7	26	S	25	S	27	S	27	M	20	17	S	11	S	18	16	S	11					
200	S	8	23	M	23	S	27	S	8	23	S	22	S	25	14	S	16	S	23	14	S	16		
500	S	9	22	S	83	S	21	S	22	S	10	21	S	22	S	30	13	S	16	S	25	15	S	11
1000	S	10	22	S	22	S	17	M	10	22	S	22	S	33	13	S	16	S	23	16	S	16		
2000	S	9	23	S	23	S	20	S	9	23	S	22	S	35	15	S	16	S	23	16	S	16		
5000	S	8	26	M	9	26	S	20	S	9	25	M	22	S	25	17	S	11	S	29	19	S	6	
6000	S	8	26	M	9	26	S	20	S	9	24	S	34	S	69	18	S	16	S	28	19	S	16	
7000	S	10	25	S	10	25	S	17	S	39	14	S	34	S	52	17	S	16	S	26	18	S	16	
8000	S	11	23	S	12	22	S	17	S	21	S	26	S	91	15	S	16	S	48	16	S	13		
9000	S	14	21	S	15	21	S	17	M	38	21	S	31	S	98	14	S	16	S	84	14	S	15	
10000	S	0																						

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB		
50	M	33														M	24	28	M	-6			
100	M	24	36	S	12	33	S	12	M	24	38	S	27	S	23	25	S	6	S	20	26	S	6
200	S	7	33	S	45	36	S	26	S	42	32	S	27	S	23	25	S	6	S	20	26	S	6
500	M	54	34																				
1000	S	9	33	S	10	32	S	20	M	21	36	M	22	S	34	25	S	16	S	24	27	S	16
2000	M	13	35	S	6	34	S	26	S	72	33	S	27	S	32	27	S	4	S	27	29	S	1
5000	S	4	34	S	4	34	S	22	S	3	31	S	17	S	32	21	M	8	M	11	26	S	6
6000	S	4	33	S	4	33	S	22	S	6	31	S	32	S	32	21	M	26	S	20	25	S	16
7000	S	6	32	S	6	31	S	17	M	8	29	M	32	S	44	21	S	16	S	22	23	S	16
8000	S	7	29	S	7	28	S	17	S	9	28	S	32	S	39	18	S	16	S	22	21	S	16
9000	S	8	26	S	9	26	S	17	S	10	24	S	27	S	81	16	S	16	S	23	18	S	16
10000	S	0																					

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB		
50	M	39																					
100	M	96	38																				
200	M	50	39																				
500	M	95	38																				
1000	M	59	35																				
2000	M	32	34																				
5000	S	5	35	S	5	34	S	17	S	3	32	S	12	S	20	24	M	16	M	11	26	M	6
6000	M	3	33	S	4	33	S	22	S	6	33	S	32	S	31	21	M	16	S	22	25	M	16
7000	S	5	31	S	5	30	S	17	S	7	30	S	27	S	50	20	M	11	M	19	23	S	16
8000	S	5	29	S	6	29	S	17	S	7	31	M	32	S	51	19	M	16	S	18	21	M	16
9000	S	6	25	S	7	25	S	20	S	6	25	M		S	33	16	S	16	S	19	17	S	16
10000	S	1																					

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET				15 Hz OFFSET				-10 kHz OFFSET				+10 kHz OFFSET			
	Hz	a		26 dB D/U		a		26 dB D/U		a		0 dB D/U		a		0 dB D/U		a	
		*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I
50	M	9	20	S	11	22	M	17	M	11	23	M	32	M	89	10	M	16	
100	S	4	29	S	5	28	S	22	S	4	29	S	22	S	15	20	S	16	
200	S	5	26	S	5	26	M	22	S	6	26	M	22	S	16	18	S	16	
500	S	6	25	S	6	24	S	17	S	8	24	S	32	S	20	16	S	16	
1000	S	6	25	S	6	25	S	17	M	8	23	M	22	S	19	16	S	16	
2000	S	6	26	S	6	26	S	17	S	7	24	M	22	S	20	17	S	16	
5000	S	5	29	S	5	29	S	17	M	5	27	M	22	S	23	20	S	16	
6000	S	5	27	S	6	27	S	17	M	7	26	M	24	S	25	19	S	16	
7000	S	6	29	S	6	29	S	17	M	7	30	S	27	S	44	21	S	16	
8000	S	6	26	S	6	26	S	17	M	9	25	M	24	S	36	17	S	16	
9000	S	8	24	S	8	24	S	17	M	9	23	S	27	S	43	15	S	16	
10000	S	0												S	22	16	S	16	

90% MODULATION

125% MODULATION

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB
50	M		14												
100	S		14												
200	S		9												
500	S		8												
1000	S		6												
2000	S		5												
5000	S		10												
6000	S		12												
7000	S		16												
8000	S		14												
9000	S		13												
10000	S		0												

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB
50	M		29												
100	M		34												
200	S		21												
500	S		18												
1000	S		18												
2000	S		23												
5000	S		27												
6000	S		26												
7000	S		28												
8000	S		26												
9000	S		23												
10000	S		0												

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB
50	M		32												
100	M		40												
200	S		40												
500	S		32												
1000	M		32												
2000	S		33												
5000	S		30												
6000	M		28												
7000	M		28												
8000	S		25												
9000	M		22												
10000	S		0												

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE						25 Hz OFFSET						15 Hz OFFSET						-10 kHz OFFSET						+10 kHz OFFSET					
	@ 26 dB D/U			@ 26 dB D/U			@ 26 dB D/U			@ 0 dB D/U			@ 0 dB D/U			@ 0 dB D/U			@ 0 dB D/U			@ 0 dB D/U			@ 0 dB D/U					
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I		
Hz	%	dB		%	dB		%	dB	%	dB		%	dB	%	dB		%	dB	%	dB		%	dB		%	dB		%	dB	
50	S	10	21	S	14	19	S	22	S	14	21	S	32	S	93	15	S	11	S	56	12	S	16							
100	S	6	26	S	7	26	S	25	S	8	25	S	27	S	68	12	S	16	S	13	18	S	16							
200	S	7	23	S	8	23	S	22	S	5	26	S	22	S	28	11	S	11	S	18	15	S	16							
500	S	8	23	S	8	22	S	20	S	8	22	S	16	S	30	11	S	11	S	23	14	S	11							
1000	S	7	22	S	8	22	S	20	M	8	23	S	22	S	33	13	S	16	S	19	14	S	11							
2000	S	7	24	S	7	23	S	17	M	6	23	S	17	S	43	15	S	16	S	19	16	S	6							
5000	S	5	26	S	6	25	S	17	S	6	26	S	22	M	75	14	S	16	S	17	17	S	16							
6000	S	6	25	S	7	24	S	22	S	6	24	S	22	S	90	15	S	16	S	19	17	S	16							
7000	S	6	26	S	6	25	S	17	M	5	25	S	12	S	85	11	S	11	S	31	17	S	8							
8000	S	7	22	S	6	22	M	17	M	7	23	M	13	S	94	11	S	11	S	23	14	S	11							
9000	S	10	20	S	11	20	S	17	M	8	21	S	13	S	45	12	S	11	S	45	12	S	11							
10000	S	-1																												

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE						25 Hz OFFSET						15 Hz OFFSET						-10 kHz OFFSET						+10 kHz OFFSET					
	@ 26 dB D/U			@ 26 dB D/U			@ 26 dB D/U			@ 0 dB D/U			@ 0 dB D/U			@ 0 dB D/U			@ 0 dB D/U			@ 0 dB D/U			@ 0 dB D/U					
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I		
Hz	%	dB		%	dB		%	dB	%	dB		%	dB	%	dB		%	dB	%	dB		%	dB		%	dB		%	dB	
50	M	6	27	S	29	28	M	27	M	10	31	M	30	M	28	17	M	16	M	23	22	M	16							
100	S	13	35	S	47	35	S	22	S	14	36	S	22	S	97	19	S	16	S	13	27	S								
200	S	14	31	S	34	31	S	27	S	10	34	S	27	S	94	17	S	16	S	16	25	S								
500	S	5	31	S	6	30	S	27	S	3	31	S	27	S	92	16	S	16	S	22	24	S	16							
1000	S	5	32	S	5	31	S	23	S	7	32	S	23	S	88	17	S	12	S	27	24	S	11							
2000	S	6	32	S	74	31	S	32	S	8	32	S	27	S	85	19	S	12	S	28	24	S	11							
5000	S	4	32	S	6	32	S	26	S	4	32	S	17	S	20	18	M	16	M	15	24	M	6							
6000	S	4	30	S	4	29	S	17	S	8	32	M	17	S	74	20	S	8	S	45	22	S	11							
7000	S	4	29	S	5	28	S	32	S	6	29	S	27	S	78	19	S	16	S	65	23	S	26							
8000	S	4	27	S	5	26	S	22	S	6	26	S	32	S	92	18	S	16	S	71	19	S	16							
9000	S	6	25	S	7	24	S	17	S	7	26	S	32	S	17	17	S	16	S	77	16	S	16							
10000	S	0																												

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE						25 Hz OFFSET						15 Hz OFFSET						-10 kHz OFFSET						+10 kHz OFFSET					
	@ 26 dB D/U			@ 26 dB D/U			@ 26 dB D/U			@ 0 dB D/U			@ 0 dB D/U			@ 0 dB D/U			@ 0 dB D/U			@ 0 dB D/U			@ 0 dB D/U					
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I		
Hz	%	dB		%	dB		%	dB	%	dB		%	dB	%	dB		%	dB	%	dB		%	dB		%	dB		%	dB	
50	M	21	30	S	70	34	S	25	S	19	33	M	28	M	37	17	M	6	M	32	22	M	6							
100	S	16	36	S	34	34	S	22	S	21	36	S	28	S	93	20	S	28	S	19	27	S								
200	S	10	35	S	49	35	S	27	S	17	35	M	32	S	91	17	S	16	S	16	27	S	1							
500	S	17	28	S	26	32	S	32	S	13	34	S	12	S	86	17	S	16	S	26	25	S								
1000	S	8	30	S	64	33	S	32	S	14	36	S	32	S	93	18	S	21	S	28	24	S	14							
2000	S	8	36	S	61	35	S	57	S	12	33	S	52	S	89	19	S	46	S	31	26	S	26							
5000	M	6	28	S	64	29	S	45	S	6	31	S	15	M	67	21	M	16	M	40	22	M	23							
6000	S	4	30	S	6	29	S	27	S	10	32	M	42	M	69	21	S	46	S	69	22	S	36							
7000	S	5	28	S	6	27	S	25	S	6	29	S	27	S	75	21	S	13	S	91	21	S	1							
8000	S	4	27	S	5	27	S	22	S	6	28	S	32	S	91	17	S	16	S	76	19	S	16							
9000	S	6	25	S	7	24	S	17	S	8	25	S	24	S	97	17	S	16	S	79	16	S	16							
10000	S	-1																												

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	@ 26 dB D/U			*	DS	S/N	* S/I	@ 0 dB D/U			*	DS	S/N	* S/I	
				%	dB	%					%	dB						
Hz																		
50	M	16																
100	S	7	25	S		25	S	22	M		25	S	32	S	18	17	S	16
200	S	8	23	S		23	S	22	S		20	S	23	S	23	15	S	11
500	S	10	22	S		21	S	17	S		21	M		S	28	14	S	11
1000	S	10	21	S	10	21	S	17	M		16	S	24	S	32	13	S	16
2000	S	9	22	S	9	22	S	17	S		23	S	32	S	32	15	S	16
5000	S	8	25	S	8	25	S	17	S		10	M		S	23	17	S	11
6000	S	9	26	S	9	25	S	17	M		23	S	27	S	48	18	S	16
7000	S	10	25	S	10	24	S	17	M	41	21	S	9	S	63	16	S	16
8000	S	11	23	S	12	22	S	17	S	11	11	S	12	S	96	15	S	16
9000	S	14	21	S	14	21	S	17	M		22	M	26	S	96	14	S	16
10000	S	0												S	73	15	S	13

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	@ 26 dB D/U			*	DS	S/N	* S/I	@ 0 dB D/U			*	DS	S/N	* S/I	
				%	dB	%					%	dB						
Hz																		
50	M	13		M	36	18	M		M	28	14	M	42	M	98	3	M	36
100	M	8												M	6	M	17	
200	S	5	33	S	7	32	S	27	S		31	S	29	S	20	25	S	16
500	S	6	32	S	7	31	S	27	M		30	S	32	S	24	24	S	16
1000	S	7	32	S	7	31	S	22	M		26	S	32	S	31	25	S	16
2000	S	5	33	S	7	34	S	27	S	38	34	S	32	S	35	27	S	26
5000	S	9	34	S	9	35	S	15	M	18	16	S	32	M	46	30	S	11
6000	S	11	33	S	12	35	S	22	M	54	23	S		M	69	28	S	16
7000	S	13	34	S	14	33	S	22	S	14	27	S	22	S	92	27	S	16
8000	S	13	31	S	14	31	S	22	M	59	32	M		M	86	25	S	16
9000	S	17	27	S	18	27	S	17	S	18	26	S	22	S		25	S	13
10000	S	0												S				

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	@ 26 dB D/U			*	DS	S/N	* S/I	@ 0 dB D/U			*	DS	S/N	* S/I	
				%	dB	%					%	dB						
Hz																		
50	M	16		M	29	28	M	50	M	30	20	M	42	M	5	M	26	
100	M	10												M	62	25	M	26
200	S	6	36	S	8	36	S	27	M	70	17	S	32	S	20	29	S	16
500	S	6	34	S	8	34	S	22	M	21	30	S	32	S	27	27	S	16
1000	S	8	34	S	35	35	S	20	M	63	31	M		S	35	28	S	11
2000	S	6	35	S	7	36	S	27	S	41	34	S	42	S	39	28	S	26
5000	S	12	38	S	12	36	S	15	M	16	15	M	26	M	44	31	M	12
6000	S	45	36											S	58	29	S	20
7000	S	14	35	S	16	35	S	17	S	16	35	M		S	58	29	S	15
8000	S	13	33	S	13	31	S	20	S	15	28	S		S	63	28	S	16
9000	S	18	30	S	17	30	S	18	S	18	29	S	12	M	52	27	S	13
10000	S	0												S				

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	
50	M	10	21	M	14	22	S	27	M	11	20	M	22	M	50	9	M	11	M	21	
100	S	6	28	S	5	27	S		S	8	28	M	32	S	25	17	M	6	M	15	
200	S	6	27	S	8	26	S	27	M	7	26	M	22	M	19	16	S	11	M	15	
500	S	6	25	M	7	25	M	27	S	6	24	M	17	S	21	15	S	11	M	18	
1000	S	5	26	S	8	26	S		S	6	25	S	22	S	23	15	S	16	S	8	
2000	M	5	29	S	6	27	S	27	S	6	29	S	22	S	31	17	M	16	M	9	
5000	S	5	30	M	7	30	M	20	S	7	30	S		S	19	19	M	11	M	19	
6000	S	12	26	S	16	29	S	27	S	14	33	S	22	S	33	20	S	11	S	16	
7000	S	16	29	S	19	31	S	23	S	17	28	M	22	S	41	18	S	8	S	19	
8000	S	18	28	S	23	26	S	25	S	19	28	M	19	S	16	16	S	8	S	22	
9000	S	27	27	S	58	26	S	27	S	29	24	S	21	S	14	S	6	S	31	25	
10000	M		0																	S	-3

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%			
50	M	96	34																				
100	M	12	37	M	15	35	M	23	M	22	35	M	19	S	46	18	M	2	S	40			
200	S	6	36	M	13	29	S	25	S	6	36	S	22	S	79	18	S	2	S	60			
500	S	4	34	S	5	35	M	22	S	4	35	S	22	S	13	16	S	16	S	15			
1000	S	5	29	M	5	35	S	17	S	5	35	S	22	S	18	18	S	16	M	11			
2000	M	13	36	S	16	35	M		S	6	35	M	7	S	73	23	S	21	S	25			
5000	M	6	33	M	6	33	M	22	S	7	33	S	32	S	22	M	16	M	34	S	23		
6000	S	13	32	M	17	31	M		M	16	31	M		M	21	M		M	41	S	22		
7000	M	22	30	M	23	29	M	20	M	22	29	M	20	M	65	20	M	16	M	47	20	M	8
8000	S	17	25	S	16	28	S	15	S	17	25	S	17	S	19	25	S	13	S	24	19	S	1
9000	S	21	30	S	21	30	S	15	S	20	30	S	18	S	19	S	13	S	29	28	S	1	
10000	S		0																				

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET									
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%		
50	M	27	34	M	94	33	M		M	96	31	M	15	M	31	25	M		M	26		
100	S	12	35	M	13	34	M	18	M	12	34	M	20	S	51	16	S	2	S	15		
200	S	36	33																	M	30	
500	S	3	33	S	4	33	S	22	S	4	33	S	22	S	13	18	S	16	S	7		
1000	S	4	31	S	66	28	S		S	72	20	S		S	94	18	S		S	89		
2000	M	9	36	M	20	36	M	20	M	22	36	S	19	S	54	24	S	16	S	26		
5000	M	7	33	M	8	32	M	22	M	7	32	M	22	M	95	21	M	26	M	36		
6000	M	19	31	M	17	31	M	15	M	17	31	M	15	M	21	M	20	M	45	21	M	16
7000	M	30	28																			
8000	M	34	27																			
9000	M	46	31																			
10000	M		1																			

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*		
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	M	24																
100	M	29																
200	S	27																
500	M	25																
1000	M	25																
2000	M	27																
5000	M	31																
6000	M	30																
7000	S	27																
8000	S	29																
9000	S	26																
10000	M	0																

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*		
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	M	26																
100	M	32																
200	M	30																
500	M	29																
1000	S	29																
2000	M	30																
5000	M	33																
6000	M	29																
7000	M	26																
8000	M	29																
9000	M	29																
10000	S	0																

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*		
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB
50	M	27																
100	S	33																
200	S	31																
500	S	29																
1000	M	34																
2000	S	35																
5000	S	32																
6000	M	27																
7000	S	31																
8000	M	29																
9000	S	29																
10000	M	0																

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	S	10	22	S	11	21	S	22		M	10	21	S			M	24	13	M	3	S
100	S	7	30	S	4	27	S			M	4	27	S	22		M	13	19	M	0	M
200	M	4	28	M	5	25	M	40		S	8	25	S	35		M	28	17	M	16	M
500	S	5	26	S	5	24	M	27		S	7	26	S	32		M	19	10	M	26	M
1000	M	5	27	S	8	24	M	42		S	6	24	M	36		M	17	11	M	16	M
2000	S	5	28	S	4	25	S	22		S	4	27	M	27		M	16	12	S	11	M
5000	S	4	31	S	4	30	M	17		M	3	30	S			M	13	14	M	6	M
6000	M	3	30	M	4	30	M	22		M	3	27	S	22		S	21	19	M	16	M
7000	M	3	30	M	4	30	M	22		S	5	26	M	32		M	17	13	M	16	M
8000	S	6	25	S	6	27	S	17		S	6	24	S	22		S	28	11	S	16	S
9000	S	9	22	M	9	22	S	17		S	9	22	S	17		S	53	9	S	16	S
10000	S		0																		

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	M	62	33	S	12	34	S			S	12	33	S	4		S	22	23	S	4	S
100	S	8	35	S	5	37	S			S	8	35	S	22		S	19	19	S	3	S
200	S	5	34	S	4	37	S	20		S	6	33	S	32		S	20	18	S	13	S
500	S	5	33	S	5	36	S	19		S	6	33	S	22		S	22	17	S	26	S
1000	S	9	34	S	9	36	S	23		S	7	33	M	12		S	23	18	S	6	S
2000	S	5	33	M	8	35	S	27		S	7	35	S	32		M	15	17	S	16	S
5000	M	6	32	S	4	33	M	10		M	3	31	M			S	25	16	M	5	M
6000	S	5	30	S	4	29	S	10		M	3	30	M	9		S	23	15	M	4	M
7000	M	3	28	M	4	30	M	22		M	4	27	M	22		M	24	13	S	56	S
8000	S	6	25	S	7	25	S	22		S	7	27	S	22		M	31	14	S	16	S
9000	M		0																		
10000	M		0																		

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	M	31	34	M	20	37	M	15		S	20	40	S			S	53	23	M	11	S
100	S	85	37	S	15	31	S	27		S	15	34	S	32		S	31	17	S	6	S
200	S	69	37	S	20	29	S	27		S	18	30	S	32		S	36	15	S	11	S
500	S	57	35	S	21	29	S	26		S	19	32	S	42		S	34	19	S	16	S
1000	S	71	38	S	34	25	S			S	32	28	S	42		S	74	16	S	6	S
2000	M	20	38	M	20	37	M	15		S	20	40	S			S	48	27	M	6	S
5000	S	12	35	S	15	31	S	27		S	15	34	S	32		S	20	28	S	6	S
6000	S	14	34	S	20	29	S	26		S	18	30	S	32		S	30	27	S	11	S
7000	S	14	29	S	21	29	S	26		S	19	32	S	42		S	26	27	S	16	S
8000	S	14	29	S	20	30	S	28		S	21	28	S	32		S	31	15	S	16	S
9000	S	21	26	S	34	25	S			S	32	28	S	42		S	74	16	S	6	S
10000	S		1																		

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 8 at 1330 kHz with the Kahn generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET															
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
	Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	M		7																									
100	M		7																									
200	M		7																									
500	M		7																									
1000	M		6																									
2000	S		7																									
5000	M		8																									
6000	S	9	10	M	87	26	S			S	74	32	M				S	79	15	S	16		S	22	26	M	8	
7000	S	14	16	S	87	26	M	24		M	92	27	M				S	92	13	S	16		S	26	26	S	6	
8000	S	27	15	S	59	28	S	32		M	30	28	S	22			S	97	15	S	11		S	60	26	S	3	
9000	S	43	25																									
10000	M		0																									

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET															
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
	Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	S	80	33																									
100	M	97	36																									
200	S	88	35																									
500	M	95	43																									
1000	M	65	36																									
2000	M	43	34																									
5000	S	34	25																									
6000	M	46	28																									
7000	S	22	28																									
8000	M	56	26																									
9000	M	44	24																									
10000	S		0																									

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET															
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	
	Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	M	92	34																									
100	M	63	37																									
200	S	55	41																									
500	M	91	36																									
1000	M	63	34																									
2000	M	47	33																									
5000	S	30	25	S	34	23	S			S	32	22	S	20			M		20	S	11		M	78	17	M		
6000	M	44	28																									
7000	M	34	28																									
8000	S	16	31	S	15	30	S			S	15	30	M				M	38	17	S	21		M	96	16	S	11	
9000	M	39	24																									
10000	M		1																									

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.



Appendix J. Measurement results from testing
receiver no. 8 at 1330 kHz.

PAGE	SOURCE	MODULATION MATRIX	FIELD STRENGTH
250	C-Quam exciter	left only	10. mV/m
251	C-Quam exciter	right only	10. mV/m
252	C-Quam exciter	left=right	10. mV/m
253	C-Quam exciter	left=-right	10. mV/m
254	C-Quam generator	left only	10. mV/m
255	C-Quam generator	right only	10. mV/m
256	C-Quam generator	left=right	10. mV/m
257	C-Quam generator	left=-right	10. mV/m
258	C-Quam exciter	left only	.5 mV/m
259	C-Quam exciter	right only	.5 mV/m
260	C-Quam exciter	left=right	.5 mV/m
261	C-Quam exciter	left=-right	.5 mV/m
262	C-Quam generator	left only	.5 mV/m
263	C-Quam generator	right only	.5 mV/m
264	C-Quam generator	left=right	.5 mV/m
265	C-Quam generator	left=-right	.5 mV/m
266	C-Quam exciter	left only	.1 mV/m
267	C-Quam exciter	right only	.1 mV/m
268	C-Quam exciter	left=right	.1 mV/m
269	C-Quam exciter	left=-right	.1 mV/m
270	C-Quam generator	left only	.1 mV/m
271	C-Quam generator	right only	.1 mV/m
272	C-Quam generator	left=right	.1 mV/m
273	C-Quam generator	left=-right	.1 mV/m

Table of performance measurements on receiver number 9 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE						25 Hz OFFSET						15 Hz OFFSET						-10 kHz OFFSET						+10 kHz OFFSET					
	* DS	S/N	@ 26 dB D/U		* DS	S/N	@ 26 dB D/U		* DS	S/N	@ 26 dB D/U		* DS	S/N	@ 0 dB D/U		* DS	S/N	@ 0 dB D/U		* DS	S/N	@ 0 dB D/U		* DS	S/N	@ 0 dB D/U			
			%	dB			%	dB			%	dB			%	dB			%	dB			%	dB			%	dB		
Hz																														
50	10	33			21	28	32		12	28	24									7	6					25	13	4		
100	4	40			8	28	32		7	35	32									21	15	16				12	20	16		
200	3	37			7	28	27		4	33	32									26	13	16				15	17	16		
500	3	35			6	25	32		4	31	32									30	12	26				18	16	16		
1000	3	36			6	24	27		4	32	22									29	12	26				18	16	16		
2000	4	37			5	25	25		4	33	22									28	13	16				16	17	16		
5000	4	39			4	31	22		4	35	22									24	14	16				12	19	16		
6000	5	40			5	27	22		5	36	22									24	15	16				14	20	16		
7000	4	39			5	30	22		4	34	22									32	14	16				16	19	16		
8000	5	36			7	24	22		5	32	22									32	12	16				19	17	16		
9000	3	35			5	27	37		4	30	32									77	11	26				25	15	26		
10000																														

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE						25 Hz OFFSET						15 Hz OFFSET						-10 kHz OFFSET						+10 kHz OFFSET					
	* DS	S/N	@ 26 dB D/U		* DS	S/N	@ 26 dB D/U		* DS	S/N	@ 26 dB D/U		* DS	S/N	@ 0 dB D/U		* DS	S/N	@ 0 dB D/U		* DS	S/N	@ 0 dB D/U		* DS	S/N	@ 0 dB D/U			
			%	dB			%	dB			%	dB			%	dB			%	dB			%	dB			%	dB		
Hz																														
50	14	42			19	33	24		13	35	19									26	14					17	18			
100	4	46			9	34	23		9	40	32									14	20	6				9	25	6		
200	3	45			7	38	25		7	40	32									14	20	16				8	26	6		
500	3	45			4	37			4	40	32									15	20	16				9	25	16		
1000	4	45			2	32	22		4	40	22									17	19	16				10	25	6		
2000	5	44			5	37	17		5	40	17									19	19	16				12	25	6		
5000	2	43			3	35	22		3	38	22									15	18	16				14	22	16		
6000	6	42			6	34	17		6	37	12									75	16	16				16	21	6		
7000	3	40			3	33	22		3	36	22									60	14	16				17	20	16		
8000	4	38			4	30	22		4	34	22									38	13	16				15	18	16		
9000	2	36			4	28	27		3	30	32									93	11	26				22	15	26		
10000																														

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE						25 Hz OFFSET						15 Hz OFFSET						-10 kHz OFFSET						+10 kHz OFFSET					
	* DS	S/N	@ 26 dB D/U		* DS	S/N	@ 26 dB D/U		* DS	S/N	@ 26 dB D/U		* DS	S/N	@ 0 dB D/U		* DS	S/N	@ 0 dB D/U		* DS	S/N	@ 0 dB D/U		* DS	S/N	@ 0 dB D/U			
			%	dB			%	dB			%	dB			%	dB			%	dB			%	dB			%	dB		
Hz																														
50	70	52																												
100	33	54																												
200	35	56																												
500	29	56			24	40							20	42	5					32	22	-4				25	25			
1000	29	55			29	38							28	41						35	22	8				28	26			
2000	18	55			24	38							25	41	14					32	22	8				26	25			
5000	2	52			2	34	22						2	39	22					12	20	16				10	22	16		
6000	6	51			8	35	26						8	38	22					31	18	16				28	20	16		
7000	3	50			4	33	27						4	37	32					96	13	16				23	19	16		
8000	2	42			3	31	27						2	35	32					98	12	16				21	17	16		
9000	1	39			3	27	27						2	35	32					9	26					29	14	16		
10000		9																												

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 9 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50		27																		
100		26																		
200		22																		
500		19																		
1000		19																		
2000		21																		
5000		24																		
6000		27																		
7000		28																		
8000		28																		
9000		26																		
10000																				

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50		33																		
100		34																		
200		28																		
500		25																		
1000		26																		
2000		31																		
5000		43																		
6000		43																		
7000		42																		
8000		40																		
9000		37																		
10000																				

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB
50		46																		
100		50																		
200		50																		
500		49																		
1000		48																		
2000		50																		
5000		48																		
6000		47																		
7000		46																		
8000		44																		
9000		41																		
10000																				

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 9 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	9	33		22	24	37		13	28	32	98	5	11	96	11	6					
100	3	38		10	29	37		9	33	42	98	9	16	18	16	16					
200	3	35		8	28	37		6	30	32	98	7	26	24	13	16					
500	2	33		5	26	27		4	29	32	98	6	26	27	12	26					
1000	2	34		5	26	27		4	29	32	98	6	26	27	12	26					
2000	2	35		4	28	27		3	30	32	95	7	26	25	13	16					
5000	2	37		3	29	27		3	32	32	60	9	26	23	15	16					
6000	2	37		3	29	27		3	32	32	90	9	26	26	15	16					
7000	2	36		3	29	27		3	32	32	91	10	26	32	15	16					
8000	2	34		4	26	27		4	29	32	97	8	26	33	13	26					
9000	3	32		5	26	27		4	27	32	98	7	26	69	11	26					
10000																					

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	23	43		28	34	25		25	40	22	36	18	8	32	22						
100	11	47		21	39	26		13	43	22	26	20	11	20	24	6					
200	3	51		9	39	37		7	44	32	23	21	26	16	25	16					
500	2	46		5	37	42		4	41	32	26	20	26	18	24	16					
1000	2	46		4	37	42		7	40	32	31	20	26	21	24	26					
2000	7	46		7	37	17		12	41	22	33	20	16	24	24	16					
5000	2	46		3	33	22		2	41	22	13	19	16	11	23	16					
6000	4	45		4	34	22		4	39	22	43	18	16	17	22	16					
7000	3	44		3	35	22		3	39	22	96	13	16	23	19	16					
8000	2	40		2	33	22		3	34	22	98	11	16	23	17	16					
9000	2	36		3	28	27		3	31	32	9	26		43	14	26					
10000			-1																		

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	30	52		23	39	22		23	42	22	24	21				18	25	-7			
100	21	50		23	39	22		16	46	15	25	22				22	26	3			
200	16	56		25	39			13	46	17	29	22	11			23	26	6			
500	13	56		15	41			15	45	17	32	22	11			26	26	6			
1000	15	55		15	40	12		18	44	15	32	22	6			27	25	3			
2000	19	55		17	40	12		3	42	22	17	20	6			9	24	16			
5000	2	52		3	33	22		6	40	17	29	18	16			17	22	16			
6000	6	51		8	36			4	40	22	95	17	16			26	21	16			
7000	3	50		4	34	22		2	38	22	16	16				24	20	16			
8000	2	48		3	29	22		2	35	22	13	26				37	17	16			
9000	2	45		2	32	27		2	35	22											
10000			4																		

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 9 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	
50	6	31			11					17	25	37				8	21		10	16	
100	3	38			9	37				9	31	42				95	14	26	19	17	
200	3	35			7	37				28	32				72	12	26	24	14		
500	4	34			8	37				27	32				41	11	26	29	13		
1000	5	34			8	23	32			6	28	32			44	11	26	31	13		
2000	6	35			7	32				29	27				46	12	26	32	15		
5000	6	39			13	22				6	32	22			51	15	16	22	18		
6000	10	38			56	27	22			11	31	17			91	15	21	92	17		
7000	11	38			35	16				11	31	17			95	15	16	79	18		
8000	12	36				26					29	19			98	13	21	95	16		
9000	8	34				11	23				10	26	27			98	12	26	96	14	
10000																				21	

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	
50	20	47			40	28				38	34				46	12		41	17		
100	22	50			10	35	22			10	41				19	17	-1	25	22		
200	3	47			46	25	37			7	39	32			19	22	16	13	24		
500	4	46			62	22	37			5	40	32			25	21	26	18	25		
1000	5	46			88	23				6	39	22			31	21	26	23	24		
2000	9	48			74	23	17			9	41	17			31	21	16	21	25		
5000	3	47			3	36	22			3	40	22			19	16	16	15	23		
6000	4	46			4	34	17			4	39	15			30	16	16	14	22		
7000	4	45			4	32	22			6	37	32			34	15	16	17	21		
8000	5	42			8	30	22			5	34	22			35	14	16	19	19		
9000	3	39			4	28	27			6	32	32			83	12	26	26	16		
10000																				26	

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	
50	71	52																			
100		50																			
200		53																			
500	92	50																			
1000	54	53																			
2000	31	47																			
5000	3	47			4	35	22			2	39	17			18	14	16	12	20	16	
6000	5	46			4	35	17			4	38	15			90	16	16	16	22	6	
7000	3	44			3	32	22			3	36	22			68	15	16	19	20	16	
8000	3	42			4	30	22			4	34	22			13	26		20	19	16	
9000	2	39			3	29	27			2	33	32			11	26		25	16	26	
10000		1																			

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 9 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE				25 Hz OFFSET				15 Hz OFFSET				-10 kHz OFFSET				+10 kHz OFFSET											
	*	DS	S/N		@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB			%	dB	%	dB		%	dB	%	dB		%	dB	%	dB		%	dB		%	dB		%	dB	
50	9	27			18	22			14	26			22	15	16		9			69	14			12	20	6		
100	5	33			10	27	25		8	31	32		27	13	16		15	17	16		15	17	16		12	20	6	
200	4	30			7	22	32		6	29	32		30	12	16		18	16	16		18	16	16		15	17	16	
500	4	29			8	21	32		5	27	22		31	12	16		19	16	16		19	16	16		16	18	16	
1000	5	29			8	22	27		5	28	22		27	13	16		16	18	16		16	18	16		16	18	16	
2000	5	31			5	28	22		5	29	22		25	14	16		12	19	16		12	19	16		16	18	16	
5000	4	32			5	29	22		4	31	22		25	15	16		13	21	16		13	21	16		12	19	16	
6000	5	34			5	31	22		5	32	22		35	13	16		17	19	16		17	19	16		16	18	16	
7000	5	32			5	28	22		5	30	22		33	12	16		20	17	16		20	17	16		17	19	16	
8000	5	29			6	27	22		7	26	32		33	12	16		25	16	16		25	16	16		25	16	16	
9000	4	29			5	22	52		5	27	22		83	12	26													
10000																												

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE				25 Hz OFFSET				15 Hz OFFSET				-10 kHz OFFSET				+10 kHz OFFSET											
	*	DS	S/N		@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB			%	dB	%	dB		%	dB	%	dB		%	dB	%	dB		%	dB		%	dB		%	dB	
50	18	36			29	30	22		14	33	16		29	15	-1		20	19			16	23	16		11	26	6	
100	3	40			7	36	32		21	39			22	19			16	23	16		11	26	6		10	25	6	
200	5	40			8	36	32		3	36	17		21	20	16		11	26	6		13	25	6		10	25	6	
500	4	39			5	35	27		5	37	22		18	19	11		10	25	6		13	25	6		12	22	3	
1000	5	39			6	34	22		6	37	22		21	19	16		13	25	6		13	25	6		12	22	3	
2000	11	39			11	35	22		4	36	22		43	17	16		27	22	3		20	18	16		19	21	16	
5000	2	38			3	35	27		2	36	22		20	18	16		19	21	16		29	20	16		29	20	16	
6000	6	37			9	33			7	36	22		90	16	16		29	20	16		25	19	26		25	19	26	
7000	2	36			4	31	37		2	34	32		86	15	26		28	17	16		28	15	26		28	17	16	
8000	3	34			4	30	32		3	32	22		97	13	26		28	17	16		28	15	26		28	17	16	
9000	2	32			4	27	27		3	30	32		12	26			28	15	26									
10000																												

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE				25 Hz OFFSET				15 Hz OFFSET				-10 kHz OFFSET				+10 kHz OFFSET											
	*	DS	S/N		@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB			%	dB	%	dB		%	dB	%	dB		%	dB	%	dB		%	dB		%	dB		%	dB	
50	42	38			27	40	9		28	40	22		25	20	-5		19	24	-8		21	24	16		24	24	16	
100	25	42			25	37	30		25	40	27		28	20	16		21	24	16		24	24	16		24	24	16	
200	8	41			25	37	30		23	39	27		33	19	16		24	24	16		30	23	11		27	21	16	
500	8	41			23	38	30		11	39	22		40	19	16		28	23	11		17	21	16		27	21	16	
1000	10	40			24	37	37		22	38	22		44	19	16		30	23	11		24	24	16		28	23	11	
2000	12	40			22	36			22	38	22		23	19	16		17	21	16		27	21	16		30	23	11	
5000	2	39			3	34	27		3	35	32		88	17	16		27	21	16		24	19	26		24	19	26	
6000	6	38			9	32	28		9	34	27		90	15	26		98	14	26		26	18	16		26	18	16	
7000	2	36			4	32	32		4	33	32		98	14	26		12	26	28		28	15	26		28	15	26	
8000	2	35			4	29	32		3	31	32																	
9000	2	32			4	27	32		3	30	32																	
10000																												

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 9 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET											
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I	
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		
50		21																						
100		21																						
200		17																						
500		14																						
1000		13																						
2000		16																						
5000		20																						
6000		22																						
7000		23																						
8000		23																						
9000		21																						
10000																								

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET											
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I	
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		
50		29																						
100		34																						
200		26																						
500		23																						
1000		24																						
2000		31																						
5000		37																						
6000		37																						
7000		35																						
8000		34																						
9000		31																						
10000																								

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET											
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I	
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		%	dB	dB		
50		37																						
100		41																						
200		41																						
500		40																						
1000		40																						
2000		40																						
5000		38																						
6000		37																						
7000		36																						
8000		34																						
9000		31																						
10000																								

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 9 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	10	26		26	24	37		14	25	29		5	11		97	10	6				
100	3	31		9	27	32		7	29	32		98	9	16		19	16	16			
200	4	28		8	27	32		6	26	32		98	7	16		24	13	16			
500	5	26		7	24	27		6	25	22		6	16		28	12	16				
1000	5	27		6	24	25		6	25	22		6	16		29	12	16				
2000	4	28		5	25	22		5	26	22		96	7	16		26	13	16			
5000	4	30		4	27	22		4	28	22		59	10	16		27	14	16			
6000	3	30		4	26	27		4	28	22		87	9	16		29	15	16			
7000	4	29		5	26	27		4	27	22		10	16		35	14	16				
8000	4	27		6	24	25		5	25	32		8	16		48	12	16				
9000	5	25		6	22	27		6	24	22		98	8	26		86	11	16			
10000																					

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	15	34		29	31	32		18	33	27		33	17	13		26	21	3			
100	11	39		16	37	32		14	37	27		27	20	11		21	24	11			
200	3	37		10	34	32		5	37	32		23	19	26		16	23	16			
500	2	36		4	33	27		3	34	32		25	18	16		15	22	16			
1000	2	36		4	33	27		3	35	32		32	18	26		20	22	16			
2000	6	37		7	34	22		8	36	32		40	18	21		26	23	16			
5000	2	37		3	32	27		3	35	22		24	17	16		16	20	16			
6000	5	36		6	32	27		6	33	32		81	17	16		25	21	16			
7000	3	34		4	31	22		4	32	22		16	16	26		21	20	16			
8000	2	32		3	29	27		3	30	32		96	14	16		22	18	16			
9000	2	30		4	26	27		3	29	32		12	26			22	16	16			
10000																					

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB
50	23	36		34	33	32		27	34	23		40	18	11		35	22				
100	14	40		19	36	27		16	38	22		29	20	16		24	25	6			
200	10	39		14	35	32		12	37	27		28	20	13		22	24	11			
500	6	38		9	35	27		8	36	27		30	19	16		21	23	16			
1000	8	38		10	35	22		10	36	22		37	19	16		26	23	16			
2000	12	38		12	33	20		15	37	32		43	19	18		30	23	11			
5000	3	36		5	32	32		5	34	32		56	14	16		30	19	16			
6000	4	35		7	31	32		6	34	32		81	14	26		75	19	16			
7000	3	34		4	31	27		4	33	32		90	15	26		26	19	16			
8000	2	32		3	29	27		2	31	22		94	14	16		21	18	16			
9000	2	30		4	26	27		3	28	32		12	26			21	16	16			
10000																					

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 9 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left==right modulation at indicated level and is equivalent to 10. mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		dB
50	7	26		14	8				13		95	1				1
100		34														
200	4	31			7	42		7	27	32	46	12	26	24	14	16
500	5	29		8	24	27			10	42	43	10	26	30	13	26
1000	5	30			6	37			26	32	45	11	26	31	13	26
2000	7	31			8				11	27	46	12	26	32	14	16
5000	6	34			13				14	27	31	15	16	21	17	16
6000	10	33		51	14	22		11	29	17	91	15	21	92	17	16
7000	11	34		11	16	22		33	20	17	95	15	16	75	18	16
8000	12	31		13	26	20			16	17	98	14	21	95	15	16
9000	9	29		12	22			10	25	22	11	26		97	13	21
10000																

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		dB
50	13	37		39	18	31		21	32	32	97	16	8	23	20	6
100	6	44		92	16			10	40	32	15	22	16	11	26	11
200	3	41		94	15	37		6	37	32	18	21	16	14	24	16
500	4	40		97	14	42		4	36	22	27	20	26	21	23	16
1000	5	40			14	47		5	36	22	33	20	26	25	23	16
2000	19	21		96	15	47		92	19	26	91	11	28	96	12	26
5000	7	24		9	21	27		9	22	32	52	12	31	52	13	26
6000	54	29														
7000	48	30														
8000	57	27														
9000	32	29														
10000																

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		dB
50	19	39		23	31	24		26	35	27	71	18	6	23	22	3
100	9	46		79	17	47		59	20	47	98	4	26		5	21
200	3	44		93	20	37		82	40	32		6	26	12	26	16
500	8	22		97	17	37		93	39	42		8	31		9	26
1000	12	22		98	19	30		91	20	27	98	11	31		11	28
2000	23	23		94	19	30			82	21	93	12	26	98	13	21
5000	6	27		8	20	27		8	24	27	51	14	36	15	27	26
6000	57	31														
7000	52	31														
8000	70	26														
9000	35	30														
10000																

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 9 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET				
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*
Hz	%	dB		%	dB		%	dB	%	dB		%	*	DS	S/N	*	dB
50	6	31		6	26		7	28	32	73	12	16		19	15	16	
100	3	37		4	32	25	5	35	32	14	18	16		10	22	16	
200	3	35		4	32	27	4	32	32	18	16	16		12	19	16	
500	3	33		4	28	22	4	31	22	21	14	16		15	18	16	
1000	3	33		4	29	22	4	31	22	21	15	16		15	18	16	
2000	4	35		4	32	22	4	33	22	19	17	16		13	20	16	
5000	4	37		3	33	17	4	35	22	14	18	16		11	21	6	
6000	5	38		6	33	22	5	36	22	17	19	16		12	22	16	
7000	4	37		5	33	17	4	35	22	20	18	16		13	21	16	
8000	5	34		6	30	27	5	32	22	22	16	16		16	19	16	
9000	3	33		4	29	37	4	31	22	30	14	26		20	17	16	
10000																	

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET				
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*
Hz	%	dB		%	dB		%	dB	%	dB		%	*	DS	S/N	*	dB
50	9	39		5	35		4	35	12	18	17			12	20		
100	4	43		4	39	22	5	42	22	9	25	6		7	28	6	
200	3	43		4	38	22	4	41	32	9	24	6		7	28	6	
500	3	43		3	38	22	3	41	22	11	24	16		8	27	6	
1000	4	43		4	40	17	4	41	22	12	24	16		8	27	6	
2000	5	42		5	40	17	5	41	12	13	24	11		10	27	6	
5000	2	41		3	39	17	3	39	22	11	22	6		9	24	16	
6000	6	40		3	39	8	3	38	12	25	19	6		11	24	6	
7000	3	39		3	36	17	3	36	22	26	18	16		11	23	16	
8000	4	36		4	35	17	4	35	22	20	17	16		11	21	16	
9000	3	34		3	31	22	3	31	22	29	14	26		16	18	16	
10000																	

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET				
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*
Hz	%	dB		%	dB		%	dB	%	dB		%	*	DS	S/N	*	dB
50	31	44															
100	27	45		24	42	12	21	43	12	24	26			17	29		
200	30	49		28	44	15	13	46		22	26			19	29		
500	19	49		17	42	12	16	43	4	23	25	6		20	28	-5	
1000	29	49		26	43	-1	11	45		29	25	-5		25	28	-8	
2000	18	49		24	42		16	45	10	28	25	5		23	28	4	
5000	2	42		2	42	22	2	39	22	9	22	6		11	23	6	
6000	6	45		5	41	22	8	38	22	21	18	16		13	22	6	
7000	3	43		4	37	22	4	37	32	64	17	16		16	21	6	
8000	2	38		2	38	27	2	36	22	57	16	16		13	20	16	
9000	2	35		3	32	27	2	35	22	83	12	16		16	16	16	
10000		6															

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 9 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB
50		20																		
100		22																		
200		18																		
500		15																		
1000		15																		
2000		17																		
5000		20																		
6000		23																		
7000		25																		
8000		25																		
9000		22																		
10000																				

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB
50		28																		
100		31																		
200		25																		
500		23																		
1000		23																		
2000		28																		
5000		40																		
6000		40																		
7000		39																		
8000		37																		
9000		34																		
10000																				

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB
50		44																		
100		48																		
200		46																		
500		45																		
1000		45																		
2000		47																		
5000		45																		
6000		44																		
7000		43																		
8000		41																		
9000		38																		
10000																				

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 9 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE						25 Hz OFFSET						15 Hz OFFSET						-10 kHz OFFSET						+10 kHz OFFSET					
	* Hz	DS		S/N		a 26 dB D/U		* dB	DS		S/N		a 26 dB D/U		* dB	DS		S/N		a 0 dB D/U		* dB	DS		S/N		a 0 dB D/U		* dB	
		%	dB	%	dB	%	dB		%	dB	%	dB	%	dB		%	dB	%	dB	%	dB		%	dB	%	dB	%	dB		
50	19	21		7	28				8	19		30					5	16							5	16				
100	16	23		5	30				31	20							98	8	16						98	5	13			
200		19																												
500		16																												
1000		17																												
2000		19																												
5000	16	23		3	34				17	21		22					69	12	21						79	10	21			
6000	20	25		22	24		20		20	23							90	13	21						94	12	18			
7000	17	27		7	34				17	25		15					77	12	21						78	12	18			
8000	12	27		6	33		6		13	24		22					93	11	21						94	11	18			
9000	10	25		12	25				12	23		22					98	10	26						97	10	21			
10000																														

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE						25 Hz OFFSET						15 Hz OFFSET						-10 kHz OFFSET						+10 kHz OFFSET					
	* Hz	DS		S/N		a 26 dB D/U		* dB	DS		S/N		a 26 dB D/U		* dB	DS		S/N		a 0 dB D/U		* dB	DS		S/N		a 0 dB D/U		* dB	
		%	dB	%	dB	%	dB		%	dB	%	dB	%	dB		%	dB	%	dB	%	dB		%	dB	%	dB	%	dB		
50	16	43		30	41				30	42							38	24							35	26				
100	11	48		13	43	22			21	45							27	26							25	29				
200	7	46		9	43				9	43	27						23	26	6						20	29	6			
500	7	45		8	42	22			8	42	22						24	25	11						20	28	6			
1000	6	45		7	42	17			7	42	22						27	25	16						22	28	16			
2000	20	47		12	42				20	45	12						29	25	5						26	28	1			
5000	2	45		2	42	17			2	43	22						8	24	6						6	27	6			
6000	7	44		7	41	12			7	42	12						18	23	11						13	26	6			
7000	4	42		4	40	17			4	40	22						18	22	16						9	24	6			
8000	2	40		2	36	22			2	36	22						16	20	16						8	23	16			
9000	2	37		2	35	22			2	33	32						17	17	16						9	20	16			
10000																														

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE						25 Hz OFFSET						15 Hz OFFSET						-10 kHz OFFSET						+10 kHz OFFSET					
	* Hz	DS		S/N		a 26 dB D/U		* dB	DS		S/N		a 26 dB D/U		* dB	DS		S/N		a 0 dB D/U		* dB	DS		S/N		a 0 dB D/U		* dB	
		%	dB	%	dB	%	dB		%	dB	%	dB	%	dB		%	dB	%	dB	%	dB		%	dB	%	dB	%	dB		
50	67	48																												
100	34	50																												
200	32	50																												
500	37	50																												
1000	33	46																												
2000	19	45		28	45				16	42	97						36	26							32	28				
5000	2	46		2	43	17			2	43	22						8	20	16						6	26	6			
6000	7	45		7	41	12			7	42	12						19	23	11						13	25	6			
7000	4	44		4	40	17			4	41	22						17	22	16						9	24	6			
8000	2	42		2	36	22			2	36	22						16	20	16						8	23	16			
9000	2	39		2	33	27			2	33	32						18	17	16						9	20	16			
10000																														

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 9 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left==right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		%	dB		%	dB	
50	7	27		8	14		8	25		98	10		16		79	12		13		13	
100	4	34		12	32		12	42		21	17		16		14	19		16		16	
200	4	32		13	37		30	32		25	14		26		18	16		16		16	
500	4	30		9	32		28	32		32	13		26		24	15		16		16	
1000	5	31		6	28		28	32		35	13		26		26	15		16		16	
2000	6	32		14	32		7	30		37	15		26		27	16		16		16	
5000	6	35		6	32		33	22		27	18		16		18	19		16		16	
6000	11	34		17			11	32		93	18		16		51	19		16		16	
7000	11	35		11	26		11	32		95	18		16		31	19		11		11	
8000	12	32		21	16		30	12		98	16		16		71	17		13		13	
9000	9	30		27	21		27	28		95	14		21		80	15		21		21	
10000																					

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB		%	dB		28	22		3		22	25		1		1	
50	17	41		40	35		17	40		28	22		3		22	25		1		1	
100	6	45		24	41		23	41		25	22				24	25				25	
200	3	43		44	32		37	4		15	24		16		11	27		16		16	
500	4	42		65	27		47	4		22	25		26		16	27		16		16	
1000	6	42		95	28		93	40		28	24		16		20	26		16		16	
2000	9	44		9	42		12	72		27	25		11		17	28		6		6	
5000	3	43		3	40		17	2		13	21		16		9	25		6		6	
6000	5	42		5	39		12	5		19	21		16		9	25		6		6	
7000	4	40		4	38		17	5		22	20		16		12	24		16		16	
8000	5	38		7	34		17	7		23	18		16		14	22		16		16	
9000	3	35		3	33		22	3		32	15		26		20	19		16		16	
10000																					

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
Hz	%	dB		%	dB		%	dB		12	22		8		8	26		6		6	
50	73	45								23	20		16		11	25		6		6	
100		46								28	19		16		12	23		16		16	
200		46								28	18		16		13	21		16		16	
500	92	47								47	15		26		17	28		6		6	
1000	54	47																			
2000	32	43																			
5000	3	43		4	40		12	4		12	22		8		8	26		6		6	
6000	5	42		5	39		12	3		23	20		16		11	25		6		6	
7000	3	40		2	38		17	2		28	19		16		12	23		16		16	
8000	3	38		3	36		17	3		28	18		16		13	21		16		16	
9000	2	35		3	33		22	2		47	15		26		17	18		16		16	
10000				1																	

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 9 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB	%	dB			%	dB	%	dB		%	dB	%	dB		dB
50	8	26		8	24	20		9	25	22	74	12	11		19	15	6			
100	4	33		4	29	22		5	32	32	13	19	16		9	22	6			
200	4	30		5	29	22		5	29	22	17	17	16		12	19	16			
500	5	28		5	28	22		5	28	22	20	15	16		14	18	16			
1000	5	29		5	26	17		5	28	22	20	15	16		15	18	16			
2000	5	30		5	29	17		5	30	22	18	17	16		13	20	16			
5000	4	32		4	31	17		4	31	22	15	19	16		10	22	6			
6000	5	33		5	33	12		6	30	22	16	20	16		11	23	6			
7000	5	31		5	31	17		5	31	22	21	18	16		13	21	16			
8000	5	29		6	28	17		7	28	32	22	16	16		16	19	16			
9000	4	28		5	27	22		5	27	22	31	15	26		20	18	16			
10000																				

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB	%	dB			%	dB	%	dB		%	dB	%	dB		dB
50	12	35		13	33	12		14	35	22	23	21	6		16	25	1			
100	3	39		19	40	32		19	40		17	23	16		12	26	16			
200	5	40		6	39	24		6	39	32	14	25	16		9	29	6			
500	4	38		3	35	17		4	38	22	12	24	6		8	28	6			
1000	6	39		6	38	17		6	38	22	16	24	16		10	28	6			
2000	11	39		11	38	17	S	4	37	S	7	S	28	22	11	S	22	24	6	
5000	S	2	38	M	2	36	M	22	S	2	37	S	22	S	13	22	S	16	S	13
6000	S	6	37	M	9	35	S	27	S	7	36	S	22	S	33	21	S	16	S	23
7000	S	2	36	M	4	35	M	37	M	4	34	S	32	S	90	20	S	26	S	19
8000	S	3	34	M	3	31	S	27	M	3	31	M	22	S	32	18	S	16	S	20
9000	S	2	32	M	3	29	M	22	S	3	31	S	22	S	97	16	S	26	S	20
10000	M	0																		

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB		%	dB	%	dB			%	dB	%	dB		%	dB	%	dB		dB
50	M	39	38																	
100	M	25	41	S	8	40	S			M	26	41	S	4	S	20	24	S		S
200	S	8	41	M	24	40	S	31		S	9	40	S	22	S	22	24	S	13	S
500	S	8	41	M	23	40	S	37		M	22	40	S	27	S	26	24	S	16	S
1000	S	10	40	M	24	39	M	37		M	24	39	S	22	S	31	23	S	16	S
2000	S	12	40	M	22	39	M			M	21	39	S	17	S	34	23	S	11	S
5000	S	2	38	M	3	36	M	22		M	3	36	S	32	S	15	21	S	16	S
6000	S	6	38	M	9	37	S	32		S	7	37	S	22	S	33	21	S	16	S
7000	S	2	36	M	4	34	S	32		S	3	36	S	22	S	88	20	S	26	S
8000	S	2	34	M	3	32	S	37		S	3	33	S	22	S	58	17	S	16	S
9000	S	2	31	M	3	30	M	27		S	2	31	S	22	S	95	16	S	26	S
10000	M	0																		

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 9 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz	%	dB		%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	
50	M		17													
100	M		19													
200	M		16													
500	M		13													
1000	M		13													
2000	M		15													
5000	M		18													
6000	M		20													
7000	M		22													
8000	M		22													
9000	M		20													
10000	M		0													

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz	%	dB		%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	
50	M		27													
100	M		33													
200	M		25													
500	M		22													
1000	M		24													
2000	M		31													
5000	M		37													
6000	S		37													
7000	S		35													
8000	S		34													
9000	S		31													
10000	M		0													

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz	%	dB		%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	
50	M		36													
100	M		41													
200	S		40													
500	S		39													
1000	S		39													
2000	S		40													
5000	S		37													
6000	S		36													
7000	S		34													
8000	S		33													
9000	S		30													
10000	M		0													

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 9 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N					
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB	%	dB					
50	M	7	24	S	7	25	M	27	M	10	24	M	32	M	9	M	16				
100	M	3	30	S	3	31	M	27	M	6	29	M	32	M	28	14	M	16			
200	M	5	28	M	6	27	M	27	M	6	27	M	32	M	51	12	M	16			
500	M	5	26	S	5	27	M	20	M	6	25	M	22	M	35	10	M	16			
1000	M	5	26	M	5	25	M	22	M	5	25	M	22	M	37	10	M	16			
2000	M	4	28	M	5	27	M	22	M	5	27	M	22	M	36	12	M	16			
5000	M	4	29	S	3	30	M	22	M	4	28	M	22	M	42	13	M	16			
6000	M	3	29	M	4	29	S	22	M	4	29	M	22	M	48	13	M	16			
7000	M	4	29	S	4	29	M	22	M	4	28	M	22	M	90	13	M	16			
8000	M	5	26	S	4	27	M	22	M	5	26	M	22	M	89	11	M	16			
9000	M	6	25	S	6	25	M	22	M	6	25	M	22	M	97	10	M	16			
10000	M																M	31	13	M	16

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N					
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB	%	dB					
50	M	7	34	S	9	34	M	27	S	10	33	M	32	S	27	20	S	16			
100	M	10	39	M	13	38	M	27	M	13	38	M	32	S	23	24	M	11			
200	M	3	37	S	4	38	S	27	M	6	36	M	32	S	17	23	M	16			
500	M	2	36	M	3	35	M	27	M	3	35	M	22	S	18	22	M	16			
1000	M	2	36	M	3	35	M	27	S	3	35	M	22	S	23	22	M	26			
2000	M	6	37	M	7	36	M	22	M	7	36	M	22	S	30	22	M	16			
5000	S	2	37	M	3	34	M	27	M	3	35	S	32	S	14	22	S	16			
6000	S	5	36	M	6	34	M	22	M	6	34	M	22	S	31	20	S	16			
7000	S	3	34	M	4	33	M	22	S	3	34	S	22	S	76	19	S	16			
8000	S	2	33	M	3	31	M	27	M	3	31	S	32	S	31	18	S	16			
9000	S	2	30	M	3	28	M	27	S	3	29	S	22	S	81	15	S	16			
10000	M																S	16	18	S	16

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N					
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB	dB	%	dB					
50	M	19	35	M	20	34	M	22	S	22	34	M	32	S	35	21	M	11			
100	M	14	39	M	16	38	M	22	M	15	38	S	17	S	25	24	S	11			
200	M	10	39	M	12	37	M	27	M	12	37	M	27	S	24	24	M	12			
500	M	6	37	M	8	36	M	22	M	8	36	M	22	S	24	22	M	16			
1000	M	9	37	M	9	36	M	17	M	8	36	S	22	S	29	22	M	11			
2000	M	13	38	M	13	37	M	27	S	14	38	S	22	S	33	22	M	10			
5000	S	3	36	M	4	34	S	32	S	3	35	S	22	S	30	19	S	16			
6000	S	4	35	M	6	33	M	27	M	6	33	S	32	S	90	18	S	26			
7000	S	3	34	M	4	32	S	27	M	4	32	S	32	S	89	18	S	26			
8000	S	2	33	M	3	32	S	27	S	2	32	S	22	S	37	17	S	16			
9000	S	2	30	M	3	28	S	27	M	3	28	S	32	S	81	15	S	26			
10000	M																S	16	18	S	16

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 9 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .5 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																			
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	*	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	1	S	S	2	S										
50	M	7	25	S	10	S	S	11	S	M	22	M	29	13	M	16	M	21	15	M	16											
100	M	32								M	25	M	35	12	M	26	M	26	14	M	16											
200	M	4	30	S	10	M	37	M	5	27	M	22	M	37	12	M	26	M	27	15	M	16										
500	M	5	28	S	10	M	27	M	6	25	M	22	M	39	14	M	26	M	28	15	M	16										
1000	M	6	28	S	8	M	35	M	7	26	M	22	M	26	16	M	16	M	19	18	M	16										
2000	M	7	29	M	11	M	37	M	7	27	M	27	M	94	17	M	16	M	64	18	M	16										
5000	M	6	32	S	13	M	22	M	7	30	M	22	M	96	17	M	16	M	31	19	M	11										
6000	M	10	31	M	11	29	M	17	S	29	M	17	M	98	15	M	16	M	86	16	M	13										
7000	M	11	33	M	11	30	M	17	M	11	30	M	12	M	98	13	M	21	M	85	14	M	16									
8000	M	13	29	M	15	M	17	M	13	27	M	15	M	98	15	M	16	M	85	14	M	16										
9000	M	9	27	M	10	18	M	22	M	10	25	M	22	M	98	13	M	21	M	85	14	M	16									
10000	M	0																														

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET													
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	*	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	5	S	11	S	98	7	S	10	
50	M	12	35	M	13	33	M	22	S	28	19	S	32	S	98	5	S	11	S	98	7	S	10			
100	S	15																								
200	M	3	40	S	77	18	M	47	M	4	37	M	22	M	16	24	M	16	M	13	25	M	16			
500	M	4	38	M	12	36	M	22	M	4	36	M	22	M	25	22	M	16	M	18	25	M	16			
1000	M	5	39	M	78	36	M	17	S	81	19	M	17	M	30	23	M	16	M	22	25	M	16			
2000	S	22	19	M	8	37	M	7	M	7	37	M	20	S	94	12	S	31	S	98	12	S	12			
5000	S	9	24	M	9	39	M	12	S	9	22	S	20	S	49	15	S	27	S	53	15	S	21			
6000	S	57	28																							
7000	S	49	29																							
8000	S	58	25																							
9000	S	34	28																							
10000	M	0																								

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																	
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I			
Hz	*	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	5	S	26	S	10	S	26	S	12	S	22		
50	M	18	38	M	20	36	M	21	M	20	36	M	22	M	44	21	M	5	M	22	24	M	1							
100	M	9	44	M	10	20	S		M	9	42	M	22	M	13	27	M	6	M	11	30	M	6							
200	M	3	42	M	5	22	M	57	M	4	40	M	22	M	14	26	M	26	M	11	28	M	16							
500	S	10	22	S	57	21	M	10	S	44	19	S	31	S	10	26	S	26	S	10	S	26	S	12	S	22				
1000	S	14	21	S	63	19	M		M	5	20	S		S	12	S	29	S	12	S	29	S	12	S	22					
2000	S	23	23	S	36	20	M		S	26	21	S	22	S	95	14	S	23	S	95	14	S	23	S	95	14	S	23		
5000	S	7	25	S	8	24	S	22	S	8	24	S	22	S	46	15	S	26	S	52	16	S	25							
6000	S	58	29																											
7000	S	53	30																											
8000	S	71	25																											
9000	S	36	29																											
10000	M	0																												

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 9 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																					
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	%	dB	%	dB	%	dB	%
Hz				%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB							
50	S	10	23	S	12	20	S	22	M	11	22	M	18	M	89	12	M	8	M	21	14	M	6											
100	M	5	29	S	6	26	S	22	M	6	28	M	22	M	14	19	M	16	M	11	21	M	6											
200	M	6	26	M	6	26	M	22	M	6	26	M	22	M	18	16	M	16	M	13	19	M	6											
500	M	6	25	M	8	23	M	22	M	6	25	M	22	M	21	14	M	16	M	16	17	M	16											
1000	M	6	25	M	7	23	M	17	M	6	25	M	22	M	22	15	M	11	M	16	17	M	11											
2000	M	6	27	S	7	24	S	22	M	6	26	M	22	M	19	16	M	16	M	14	19	M	11											
5000	M	5	29	M	5	26	M	17	M	5	28	M	22	M	15	18	M	16	M	10	21	M	6											
6000	M	6	29	S	7	26	M	17	M	6	29	M	22	M	17	19	M	11	M	12	22	M	16											
7000	M	5	28	M	6	28	M	17	M	6	28	M	22	M	20	17	M	16	M	13	20	M	16											
8000	M	7	26	S	8	24	M	22	M	7	26	M	22	M	22	16	M	16	M	17	18	M	16											
9000	M	7	25	M	8	24	S	22	S	9	24	M	17	M	30	14	M	16	M	21	17	M	16											
10000	M		0																															

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																			
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	%	dB	%	dB	%
Hz				%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB					
50	M	10	31	M	11	30	M	17	S	6	28	S	13	S	18	16	S	-1	S	12	19	S	-3									
100	M	6	35	S	5	31	S	20	S	4	31	S	17	S	12	24	M	6	M	8	27	M	1									
200	M	4	35	M	4	34	M	22	M	4	34	M	22	M	10	24	M	6	M	7	27	M	6									
500	M	4	34	M	4	31	M	17	M	4	34	M	22	M	11	24	M	6	M	8	26	M	6									
1000	M	5	34	S	3	31	M	17	M	5	34	M	22	M	13	23	M	6	M	9	27	M	6									
2000	M	6	34	S	4	31	S	12	M	6	34	M	12	M	13	23	M	6	M	11	26	M	6									
5000	M	3	33	M	3	32	M	17	S	3	34	S	12	S	11	20	M	6	M	10	24	M	6									
6000	M	6	31	S	4	32	S	8	M	6	31	M	12	M	23	19	M	6	M	11	23	M	6									
7000	M	4	30	S	3	30	M	17	M	4	30	M	22	M	24	18	M	16	M	11	22	M	6									
8000	M	5	28	S	5	27	M	17	M	6	28	M	22	M	20	17	M	16	M	12	20	M	6									
9000	M	6	25	S	6	25	M	17	S	6	25	M	22	M	30	14	M	16	M	17	17	M	11									
10000	M		0																													

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET																																	
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	%	dB	%	dB	%	dB													
Hz				%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB																			
50	M	72	35	S	24	37	S	10	M	20	35	S	9	S	26	25	S	9	S	30	25	S	5	S	23	27	S	-9																		
100	M	33	35	S	20	38	S	10	M	29	35	S	9	S	28	25	S	5	S	25	28	S	1	S	26	28	S	1																		
200	M	35	36	S	18	37	S	17	M	25	34	S	9	S	13	22	S	6	S	7	23	S	16	S	25	28	S	1																		
500	M	28	38	S	2	35	S	17	M	3	32	M	32	M	13	22	S	6	S	21	17	S	11	S	13	21	S	6																		
1000	M	30	37	S	2	35	S	42	S	3	30	M	22	S	3	28	M	22	M	75	15	M	96	M	13	19	M	6																		
2000	S	19	38	S	3	30	M	22	S	3	30	M	22	S	4	24	M	17	M	85	12	M	16	M	18	15	M	16																		
5000	S	2	35	S	2	35	S	42	S	6	33	S	12	S	13	22	S	6	S	21	17	S	16	S	10	21	S	6																		
6000	S	6	31	S	8	31	S	24	S	3	30	M	22	S	3	28	M	22	M	75	15	M	96	M	13	19	M	6																		
7000	S	3	30	S	4	32	M	22	S	3	30	M	22	S	4	24	M	17	M	61	17	S	16	S	10	21	S	6																		
8000	S	3	28	S	4	27	S	42	S	3	28	M	22	S	3	28	M	22	M	75	15	M	96	M	13	19	M	6																		
9000	M	5	25	S	4	27	M	20	S	4	24	M	17	M	8	24	M	17	M	85	12	M	16	M	18	15	M	16																		
10000	M		2																																											

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 9 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET															
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	
50	M		11																									
100	M		12																									
200	M		10																									
500	M		7																									
1000	M		8																									
2000	M		9																									
5000	M		11																									
6000	M		14																									
7000	M		16																									
8000	M		15																									
9000	M		13																									
10000	M		0																									

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET															
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	
50	M		20																									
100	M		23																									
200	M		17																									
500	M		15																									
1000	M		15																									
2000	M		20																									
5000	M		31																									
6000	M		31																									
7000	M		30																									
8000	M		28																									
9000	M		25																									
10000	M		0																									

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET															
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U
	Hz	%	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	%	dB	dB	
50	M		34																									
100	S		37																									
200	M		37																									
500	S		38																									
1000	S		36																									
2000	S		38																									
5000	S		36																									
6000	S		35																									
7000	S		33																									
8000	S		31																									
9000	S		28																									
10000	M		0																									

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 9 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I
Hz		%	dB		%	dB		dB		%	dB		dB		%	dB		dB		%	dB		dB
50	M	12	21	M	13	21	M	22	M	14	21	M	22	M	8	M	11	M	85	12	M	8	
100	M	7	27	S	7	28	S	22	M	8	27	M	22	M	26	14	M	11	M	15	18	M	6
200	M	6	25	M	7	25	M	22	M	7	25	M	22	M	60	12	M	16	M	18	16	M	16
500	M	7	23	S	6	25	M	20	M	7	23	M	22	M	37	10	M	16	M	21	14	M	16
1000	M	7	24	S	5	26	S	12	M	7	23	M	22	M	34	11	M	16	M	20	14	M	11
2000	M	6	25	S	4	27	S	12	M	6	24	M	17	M	32	12	M	11	M	17	16	M	11
5000	M	5	26	M	5	27	M	20	M	5	26	M	22	M	25	13	M	16	M	16	17	M	6
6000	M	5	26	S	4	29	S	12	M	5	26	M	22	M	37	14	M	16	M	16	17	M	16
7000	M	5	26	S	4	28	S	12	M	5	26	M	22	M	54	13	M	16	M	19	17	M	16
8000	M	6	24	M	7	26	S	22	M	7	23	M	22	M	80	11	M	16	M	20	15	M	16
9000	M	8	22	S	6	24	S	12	M	8	21	M	17	M	90	10	M	16	M	26	13	M	11
10000	M	0																					

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I
Hz		%	dB		%	dB		dB		%	dB		dB		%	dB		dB		%	dB		dB
50	M	22	33	S	23	34	S	15	S	24	34	S	15	S	32	22	S	6	S	28	25	S	1
100	S	11	35	M	19	35	S	17	S	11	37	S	18	S	21	24	S	6	S	17	27	S	3
200	M	5	38	M	8	35	M	32	S	8	36	M	32	S	18	25	M	11	S	14	27	M	6
500	M	4	35	S	6	36	S	22	S	6	37	M	32	S	20	24	M	16	S	15	27	M	16
1000	M	4	34	M	5	34	M	22	M	5	34	M	22	S	23	23	M	16	S	17	26	M	16
2000	M	9	35	M	9	36	M	17	M	8	34	M	17	S	27	24	S		S	20	26	S	
5000	S	3	35	S	3	34	M	22	M	3	33	S	32	S	8	23	S	6	S	7	24	S	6
6000	S	5	34	S	5	34	M	17	S	5	34	S	17	S	21	21	S	16	S	13	24	S	6
7000	S	3	30	S	3	32	S	22	S	3	32	S	22	S	20	17	M	16	M	15	21	M	16
8000	M	4	28	M	4	28	M	17	M	4	27	M	22	M	63	15	M	16	M	15	19	M	6
9000	M	6	25	M	6	25	M	20	M	6	25	M	22	M	92	12	M	16	M	19	16	M	16
10000	M	0																					

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I	*	DS	S/N	*	S/I
Hz		%	dB		%	dB		dB		%	dB		dB		%	dB		dB		%	dB		dB
50	M	36	32	M	21	34	S	6	S	9	37	S	5	S	19	25	S		S	15	27	S	-9
100	M	21	35	M	21	34	S	6	S	16	38	S	12	S	22	25	S	3	S	20	28	S	1
200	S	17	39	M	24	36	S		S	13	38	S	12	S	24	25	S	6	S	20	28	S	3
500	S	14	39	M	15	36	M	26	S	15	38	S	12	S	27	25	S	6	S	23	28	S	3
1000	S	17	38	M	16	36	S	12	S	19	38	S	8	S	27	25	S	3	S	24	28	S	1
2000	S	20	38	M	18	36	S	8	S	3	35	S	22	S	10	24	S	6	S	7	26	S	6
5000	S	3	36	M	4	32	S	27	S	7	34	S	12	S	21	22	S	11	S	14	25	S	6
6000	S	7	35	M	8	31	M	22	S	4	33	S	22	S	19	21	S	16	S	10	24	S	6
7000	S	4	33	S	4	30	M	22	S	3	31	S	22	M	61	19	S	16	S	9	22	S	6
8000	S	3	32	M	4	28	S	32	S	4	28	S	22	M	75	12	M		M	19	15	M	
9000	S	4	29	S	4	25	S	27	S	4	28	S	22										
10000	M	1																					

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 9 at 1330 kHz with the C-Quam exciter as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB		
50	M	74	18																				
100	M	7	25	S	8	M	22	S	7	M	37	M	23	16	M	11	M	16	18	M	6		
200	M	9	22	S	7	M	22	M	10	22	M	22	M	27	13	M	16	M	21	15	M	11	
500	M	10	20	S	6	M	22	M		20	M	22	M	33	12	M	16	M	26	14	M	11	
1000	M	10	21	S	6	M	16	M		21	M	17	M	36	13	M	13	M	27	14	M	11	
2000	M	10	22	S	12	M	17	M		22	M	17	M	39	14	M	16	M	29	15	M	11	
5000	M	8	25	S	9	S	30	M		25	M	17	M	24	16	M	11	M	18	19	M	11	
6000	M	12	25	M	12	25	M	17	M	13	25	M	12	M	94	17	M	16	M	62	18	M	16
7000	M	13	25	M	14	19	M	15	M	13	25	M	12	M	90	17	M	13	M	34	18	M	11
8000	M	15	23	M	15	22	M	17	S		22	M	14	M		15	M	16	M	85	16	M	11
9000	M	13	21	S	14	M	22	M	14	20	M	22	M		13	M	26	M	76	14	M	16	
10000	M		0																				

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	
50	M	18	33	S	41	26	S			S	42	26	S			S	45	16	S		
100	S	24	33	S	24	33	S	17	M	8	35	S	15	M		S	26	21	S	-5	
200	M	5	32	S	46	36	M	37	M	44	32	M	32	M		M	14	23	M	16	
500	M	5	32	S	57	20	M	22	M	6	31	M	22	M		M	21	24	M	16	
1000	M	7	32	S	85	20	M	17	M	7	31	M	17	M		M	27	24	M	16	
2000	M	10	34	S	71	22	M	12	M	10	33	M	22	M		M	26	25	M	11	
5000	M	4	33	S	3	33	S	12	M	4	32	M	22	M		M	10	21	M	6	
6000	M	5	32	M	6	31	M	12	S	5	31	M	12	M		M	20	20	M	6	
7000	M	5	30	S	6	28	M	17	M	5	30	M	22	M		M	23	19	M	16	
8000	M	6	28	M	6	28	M	17	M	6	28	M	22	M		M	23	17	M	11	
9000	M	6	25	S	9	24	M	17	M	7	25	M	22	M		M	32	15	M	16	
10000	M		0																		

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET										
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*	S/I		
	Hz	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%	dB	%			
50	M	71	34																				
100	M		36																				
200	M		38																				
500	M	92	36																				
1000	M	54	35																				
2000	M	33	33																				
5000	M	4	33	M	4	33	M	17	S	3	33	M	12	M	12	21	M	16	M	9	25	M	6
6000	M	6	32	S	4	31	S	10	S	4	31	M	12	M	23	20	M	11	M	12	24	M	6
7000	M	4	30	S	3	30	M	17	S	4	30	M	17	M	28	19	M	16	M	12	22	M	6
8000	M	5	28	S	5	28	M	17	S	5	28	M	17	M	28	17	M	16	M	13	20	M	16
9000	M	5	25	S	5	26	M	17	M	6	25	M	22	M	67	14	M	16	M	17	17	M	16
10000	M		1																				

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 9 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left only modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB	%	dB	%	dB	%	dB	%	%	dB	%	dB	%	dB	%	dB	%	dB	%
50	M	9	22	S	12	19	M	32	M	11	21	M	22	M	91	11	M	16	M	21
100	M	5	28	M	7	27	M	22	S	6	27	M	22	M	14	18	M	6	M	10
200	M	6	26	S	8	23	S	32	M	7	25	M	22	M	18	16	M	11	M	13
500	M	7	24	S	9	25	M	17	M	7	24	M	22	M	20	14	M	16	M	15
1000	M	7	25	S	8	26	M	17	M	7	24	M	22	M	21	15	M	16	M	15
2000	M	6	26	M	6	26	M	17	M	6	25	M	22	M	19	16	M	16	M	14
5000	M	5	28	S	5	26	M	17	M	5	27	M	22	M	15	18	M	16	M	11
6000	M	6	29	S	7	26	M	17	S	7	28	M	22	M	17	19	M	16	M	11
7000	M	6	27	M	6	27	M	17	M	6	27	M	22	M	22	17	M	16	M	13
8000	M	7	25	M	7	24	M	17	M	7	25	M	22	M	22	15	M	16	M	17
9000	M	7	24	M	7	24	M	17	M	7	23	M	22	M	29	14	M	16	M	20
10000	M		-1																	

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB	%	dB	%	dB	%	dB	%	%	dB	%	dB	%	dB	%	dB	%	dB	%
50	M	13	31	S	7	29	S	11	M	14	31	M	22	M	23	21	M	6	M	16
100	M	19	35	S	4	34	S	3	S	6	34	S	22	S	15	24	S	-6	S	12
200	M	6	36	M	6	35	M	20	M	6	35	M	22	M	15	25	M	11	M	10
500	M	5	34	S	4	32	M	17	M	5	33	M	22	M	12	24	M	6	M	9
1000	M	7	34	S	3	31	S	10	M	7	34	M	17	M	15	23	M	11	M	11
2000	S	4	34	M	12	34	S	27	M	12	34	S	42	S	27	21	S	16	S	21
5000	S	3	33	M	3	32	M	32	S	3	33	S	22	S	16	21	S	16	S	13
6000	S	7	33	M	10	31	S	28	M	10	31	S	22	S	33	20	S	16	S	22
7000	S	4	31	M	5	30	S	27	S	5	31	S	32	S	84	19	S	26	S	18
8000	S	4	30	M	5	29	M	22	M	5	28	M	22	S	44	17	S	16	S	19
9000	S	5	27	M	6	25	S	27	S	5	25	S	22	S	95	15	S	16	S	20
10000	M		-1																	

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 26 dB D/U	*	DS	S/N	*	S/I	@ 0 dB D/U	*	DS	S/N	*
Hz	%	dB	%	dB	%	dB	%	dB	%	%	dB	%	dB	%	dB	%	dB	%	dB	%
50	M	39	33	S	10	36	S	9	S	19	24	S	19	S	15	27	S	17	S	27
100	M	25	37	M	25	37	S	32	S	11	36	S	32	S	21	25	S	13	S	26
200	S	9	37	M	23	36	M	31	S	9	35	S	17	S	25	23	S	11	S	26
500	S	9	35	M	24	35	S	15	M	12	35	S	13	S	30	24	S	11	S	26
1000	S	13	36	M	22	34	S	27	M	23	34	S	17	S	33	23	S	11	S	25
2000	S	13	35	M	4	32	M	17	S	4	34	S	22	S	14	21	S	16	S	24
5000	S	3	33	M	9	30	M	25	S	8	33	S	14	S	30	21	S	11	S	18
6000	S	8	33	M	5	30	S	32	S	4	31	S	22	S	86	19	S	26	S	16
7000	S	4	32	M	5	30	S	32	S	4	31	S	22	S	52	17	S	16	S	19
8000	S	4	30	M	5	29	M	27	S	4	29	S	22	S	92	16	S	16	S	18
9000	S	5	27	M	6	25	S	32	S	5	27	S	22							
10000	M		0																	

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 9 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with right only modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I
	Hz	%	dB	%	dB	%	dB	dB	%	dB	%	dB	dB	%	dB	%	dB	
50	M	11																
100	M	10																
200	M	10																
500	M	8																
1000	M	9																
2000	M	10																
5000	M	13																
6000	M	15																
7000	M	15																
8000	M	15																
9000	M	14																
10000	M	0																

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I
	Hz	%	dB	%	dB	%	dB	dB	%	dB	%	dB	dB	%	dB	%	dB	
50	M	21																
100	M	27																
200	M	14																
500	M	15																
1000	M	20																
2000	M	27																
5000	M	33																
6000	S	32																
7000	S	31																
8000	S	29																
9000	S	26																
10000	M	0																

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	* S/I	@ 26 dB D/U	*	DS	S/N	* S/I	@ 0 dB D/U	*	DS	S/N	* S/I
	Hz	%	dB	%	dB	%	dB	dB	%	dB	%	dB	dB	%	dB	%	dB	
50	M	32																
100	S	37																
200	S	36																
500	S	35																
1000	S	35																
2000	S	35																
5000	S	33																
6000	S	30																
7000	S	29																
8000	S	27																
9000	S	25																
10000	M	0																

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 9 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET								
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N					
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB		%	dB					
50	M	11	20	S	8	22	S	11	M	13	20	M	24	M	9	M	11				
100	M	6	25	S	4	28	S	12	M	7	25	M	27	M	26	14	M	11			
200	M	7	23	S	6	25	M	12	M	7	23	M	22	M	32	12	M	11			
500	M	8	22	S	7	24	M	16	M	9	22	M	17	M	36	11	M	11			
1000	M	8	22	S	8	22	M	17	M	8	22	M	22	M	31	11	M	11			
2000	M	7	24	S	5	25	M	17	M	7	24	M	22	M	32	12	M	16			
5000	M	6	25	S	4	27	S	10	M	6	25	M	17	M	31	13	M	16			
6000	M	6	25	M	6	25	M	17	M	6	25	M	17	M	50	13	M	11			
7000	M	6	25	S	6	25	M	17	M	6	24	M	22	M	75	13	M	16			
8000	M	8	23	S	6	25	S	12	M	8	23	M	17	M	78	11	M	11			
9000	M	10	21	M	8	22	M	17	M	10	21	M	17	M	96	9	M	11			
10000	M		-1														M	43	13	M	11

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N				
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB		%	dB				
50	M	9	29	M	10	29	M	22	M	11	28	M	S	25	21	M	16			
100	M	11	34	M	11	34	S	27	M	14	34	M	S	23	24	M	7			
200	M	4	33	M	6	33	S	30	M	6	32	M	S	17	23	M	16			
500	M	3	31	S	3	33	M	17	M	3	31	M	S	16	23	M	16			
1000	M	4	32	M	5	31	M	17	S	3	31	M	S	22	23	M	11			
2000	M	8	33	M	8	32	M	17	S	8	31	S	S	28	23	M	16			
5000	S	3	33	M	3	31	M	27	S	3	33	S	S	14	23	S	6			
6000	S	6	32	M	6	30	S	27	S	6	32	S	S	29	21	S	16			
7000	S	4	31	M	5	28	S	27	M	5	29	S	S	67	20	S	26			
8000	S	4	29	M	5	27	S	27	S	4	29	S	S	31	19	S	16			
9000	S	3	29	S	4	29	S	32	S	4	29	S	S	40	19	S	16			
10000	M		0													S	14	21	S	16

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET							
	*	DS	S/N	@ 26 dB D/U	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N				
Hz	%	dB		%	dB	dB		%	dB	dB		%	dB		%	dB				
50	S	18	30	S	20	30	S	27	S	23	32	S	S	33	21	M	26			
100	M	14	35	M	16	35	M	22	S	14	35	M	S	24	25	M	11			
200	M	12	34	M	15	34	M	20	M	10	34	S	S	22	24	M	6			
500	M	9	33	M	9	33	M	17	S	8	35	S	S	22	24	M	5			
1000	M	10	33	M	11	32	M	17	S	11	35	S	S	28	23	M	10			
2000	S	14	34	M	14	33	M	S	M	12	33	S	S	32	23	S	26			
5000	S	4	32	M	6	30	S	37	S	4	32	S	S	32	19	S	16			
6000	S	6	32	M	8	29	M	27	M	9	29	S	S	88	19	S	26			
7000	S	4	31	M	5	30	M	27	S	4	30	S	S	85	19	S	16			
8000	S	3	30	M	4	27	S	27	M	4	27	S	S	45	18	S	16			
9000	S	4	26	S	4	26	S	35	M	6	24	S	S	67	16	S	16			
10000	M		0													S	16	18	S	16

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

Table of performance measurements on receiver number 9 at 1330 kHz with the C-Quam generator as source. The desired signal is modulated with left-right modulation at indicated level and is equivalent to .1 mV/m field strength.

30% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET					
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N			
Hz	%	dB		%	dB		%	dB		%	dB		%	dB				
50	M	14	19	S	6	S	M	15	18	M	22	M	10	M	16			
100	M	7	25	S	5	M	29	S	5	M	27	M	22	M	16			
200	M	9	21	S	5	M	22	M	10	21	M	22	M	28	M	11		
500	M	10	21	S	8	M	19	M	20	M	22	M	33	12	M	16		
1000	M	10	21	S	4	M	18	M	20	M	17	M	36	12	M	16		
2000	M	10	22	S	7	M	M	21	M	17	M	38	14	M	16			
5000	M	8	25	S	8	M	20	M	9	24	M	22	M	26	16	M	11	
6000	M	12	25	S	9	M	14	M	13	24	M	12	M	92	16	M	11	
7000	M	12	25	S	39	14	M	17	S	42	23	M	12	M	90	17	M	11
8000	M	15	22	S	8	M	28	S	9	M	12	M	98	13	M	15		
9000	M	14	20	M	20	M	17	S	13	M	17	M	82	13	M	11		
10000	M	0																

90% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET			
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	
Hz	%	dB		%	dB		%	dB		%	dB		%	dB		
50	M	13	27	S	44	16	S	S	15	S	S	5	S	S	7	
100	S	11														
200	M	5	32	S	15	M	22	S	46	31	M	17	M	15	24	
500	M	6	30	S	14	M	22	M	6	30	M	17	M	24	22	
1000	M	6	31	S	11	M	22	S	13	M	52	M	29	23	M	26
2000	S	62	16													
5000	S	22	19	S	19	16	M	S	18	18	S	S	52	14	S	S
6000	S	60	23													
7000	S	53	23													
8000	S	61	19													
9000	S	36	21													
10000	M	1														

125% MODULATION

AUDIO FREQUENCY	NO INTERFERENCE			25 Hz OFFSET			15 Hz OFFSET			-10 kHz OFFSET			+10 kHz OFFSET		
	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N	*	DS	S/N
Hz	%	dB		%	dB		%	dB		%	dB		%	dB	
50	M	19	31	S	31	16	S	27	M	19	31	M	20	M	22
100	M	9	37	S	16	S	S	12	S	S	7	S	3	S	22
200	S	35													
500	S	19													
1000	S	15													
2000	S	14													
5000	S	14	18	M	11	36	M	S	15	19	S	17	S	48	16
6000	S	55	24											S	54
7000	S	55	24												17
8000	S	84	19												18
9000	S	36	22												
10000	M	-1													

* M = Monaural , S = Stereo

S/I = Indicates the input signal-to-interference ratio at which distortion increases by 10% over the distortion measured without interference.

D/U = Desired signal-to-undesired signal ratio at the receiver input.

DS = Distortion at left channel of receiver's audio output.

APPENDIX K. DESCRIPTIONS OF THE AM STEREO RECEIVERS

The following list describes some of the features of each of the receivers used in the AM stereo tests. Specific brand names and models of the receivers are omitted in this section where brand names are mentioned in the report, the reader is referred to the NTIA disclaimer provided at the front of the report.

Receiver #1 - This is an AM stereo/FM stereo home receiver. The audio amplifier has switch selectable inputs from two external tape decks, two video cassette recorders, or the built-in tuners. The switching allows editing or dubbing between tapes. The AM tuner can decode four different stereo formats. Both tuners have quartz locked digital synthesizer systems for precise tuning of broadcast stations. A memory feature stores the front panel settings as well as ten station presets and three different tone settings.

Receiver #2 - This receiver is designed for portable operation using either batteries or AC power. It contains an FM stereo and AM stereo tuner. The AM stereo tuner is capable of decoding four different stereo formats. A double cassette tape recording system allows continuous or simultaneous playback/recording. Synchronous tape-to-tape dubbing is possible at normal or twice normal speed. A five-band graphic equalizer is provided for shaping the sound.

Receiver #3 - This car receiver is an AM stereo/FM stereo tuner and cassette tape player. The AM stereo tuner can decode four different stereo formats. Broadcast stations can be either manually tuned or recalled from scannable station memories. The auto-reverse cassette tape player can play metal or high bias tapes. It can locate the beginning of the current or next selection and give a visual indication of the amount of tape remaining. The audio sound can be tailored by the fader, balance, treble, and bass controls.

Receiver #4 - This unit is an AM stereo tuner designed for non-portable operation in the home. It is capable of receiving the C-Quam stereo format. The front panel controls include a tuning knob, mono/stereo switch, and power switch. Rear panel output jacks provide a low level audio signal designed to feed an amplifier.

Receiver #5 - This car receiver has an FM stereo tuner and an AM stereo tuner that can decode C-Quam format broadcasts. Stations may be selected by preset pushbuttons, a station seeking feature, or a station scanning feature. The auto-reverse cassette tape player will play normal, chromium, or metal tapes. The player can search for the beginning of the current or next selection. A five-band graphic equalizer along with a fade and balance control add flexibility to the sound.

Receiver #6 - This car receiver has an FM stereo tuner and an AM stereo tuner that can decode C-Quam format broadcasts. Stations may be manually tuned or selected through preset pushbuttons. Adjustments to the audio may be made using the bass, treble, balance and fader controls.

Receiver #7 - This car receiver is a production receiver with an outboard engineering test jig which allows operation with either a manufacturer's prototype multiple system decoder or a production single system decoder (for receiver No. 7 tests, the multiple system decoder has been selected). It can decode four different AM stereo formats or FM stereo format. Stations can be selected by manual tuning, front panel pushbuttons, or a station seek feature. The built-in auto-reverse cassette tape player will play normal or metal tapes. The audio can be adjusted with a loudness button, bass, treble, balance, and fader controls.

Receiver #8 - This receiver is the same as receiver #7 except that the single stereo format decoder has been selected.

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15. ABSTRACT (A 200-word or less factual summary of most significant information. If document includes a significant bibliography or literature survey, mention it here.) In order to determine the feasibility of multiple system decoders for AM stereo receivers, the Institute for Telecommunication Sciences made a series of laboratory and field tests on certain commercially available AM stereo receivers. We also made tests that used an IC test set in order to directly compare the performance of a multiple system AM stereo decoder IC with the best available single system deocder IC. We have described the tests in detail that show the relative performance of the multiple system receivers to the performance of single system receivers. In analyzing the data, we have compared distortion, signal-to-noise ratio, and stereo detection capabilities of the receivers. These data were measured over a full range of audio frequencies from 50 to 10000 Hz, both without any interfering signals, and with interference. The interference was at both lower and upper adjacent channel frequencies and precisely offset from the desired carrier frequency by 15 and 25 Hz. We measured receiver performance, and obtained data for 3 levels of desired carrier amplitude, 3 levels of modulation,			
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ABSTRACT CONTINUED

and for the full combination of stereo audio channel matrices. The analysis of these measured data show that multiple system ICs and the single system ICs perform comparably in the direct IC comparison. In addition, the IC test set receiver operating with the multiple system decoder compares favorably with the best high quality automobile receiver tested that uses a single system decoder IC. We have concluded that multiple system decoders are technically feasible and can function as well as the best currently available single system decoders. We found that one manufacturer has developed a multiple system decoder on a single IC that compares favorably with all of the existing single system decoders that were tested.