

AURAL FREQUENCY RESPONSE

The equipment configuration of Figure 1 was used. The visual and aural carriers were energized and the aural carrier was modulated by an audio frequency generator. A reference level was set at 200 Hz and the audio generator level was adjusted to achieve 25 kHz deviation at each modulating frequency. The following table of audio response was obtained by dividing the output audio level by the input level. This table is plotted on the graph shown below.

| Frequency | Response (dB) |
|-----------|---------------|
| 100Hz | -0.1 |
| 200Hz | 0.0 |
| 500Hz | 0.2 |
| 1kHz | 0.9 |
| 2kHz | 2.9 |
| 5kHz | 8.3 |
| 10kHz | 13.6 |
| 13kHz | 15.6 |
| 15kHz | 16.6 |

AURAL FREQUENCY RESPONSE GRAPH WITH LIMITS

The red line is the plotted results.

