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 the HP200CD 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 using the calibrated audio output (in mvolt/kHz) from the MSI 320 TV demodulator. An oscilloscope was used to compare the input voltage with the output demodulated voltage from the MSI 320 TV Demod to determine the response level. 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. The input termination to the VTX2KW was fixed at 600 ohms.

FREQUENCY RESPONCE	
FREQUENCY (Hz)	AMPLITUDE (dB)
50	0.0
100	0.0
200	Reference
500	0.2
1000	0.9
2000	2.6
5000	8.0
10000	13.3
13000	14.2
15000	14.6

AURAL FREQUENCY RESPONSE GRAPH WITH LIMITS

The green line is the plotted results.