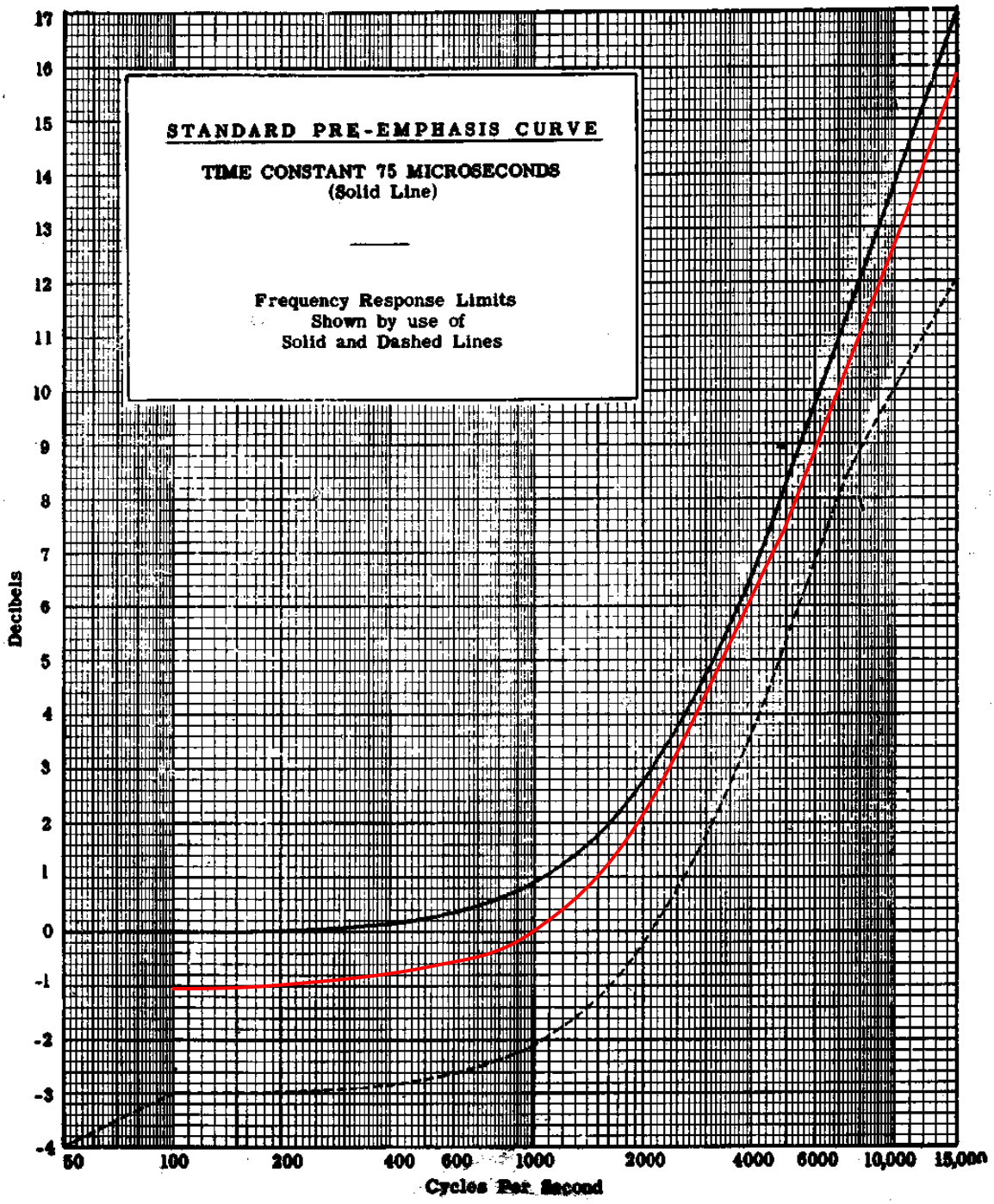
AURAL FREQUENCY RESPONSE

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 on the next page below. Because the window on the graph is drawn with “zero” being on the top of the tolerance window, the reference at 200 kHz was started at -1 dB on the plot and all data points were shifted down in amplitude accordingly. By reviewing the graph, the audio response is determined to meet the requirements.

TABLE OF AMPLITUDE VERSUS FREQUENCY RESPONSE DATA

Frequency	Decibels
[Hz]	[dB]
100Hz	-0.1
200Hz	0
500Hz	0.2
1kHz	1.0
2kHz	2.9
5kHz	8.3
10kHz	13.7
13kHz	15.6
15kHz	16.8



AURAL FREQUENCY RESPONSE GRAPH WITH LIMITS