

BZ5MX1000U
Application for FCC Certification
Modulator Input
1000 Watt UHF Translator

AUDIO FREQUENCY RESPONSE

Tabulated below, are the frequency response measurements for various percentages of modulation in accordance with Part 73.1570(b)(3). The tabulated data, below, is in graphed form on the following pages.

AUDIO FREQUENCY RESPONSE		
REFERENCE 50Hz AT 0dB INTO 600 OHMS		
FREQUENCY(Hz)	MODULATION	
	50%	100%
50	-1.52	-1.50
100	-1.54	-1.52
400	-1.61	-1.58
1000	-0.71	-0.68
5000	+6.96	+6.88
10000	+12.42	+12.33
15000	+15.74	+15.59

Tabulated below, are the harmonic distortion measurements.

AUDIO HARMONIC DISTORTION LEVEL (%)		
FREQUENCY(Hz)	MODULATION	
	50%	100%
50	0.152	0.156
100	0.154	0.152
400	0.143	0.139
1000	0.121	0.109
5000	0.154	0.149
10000	0.254	0.252
15000	0.341	0.336

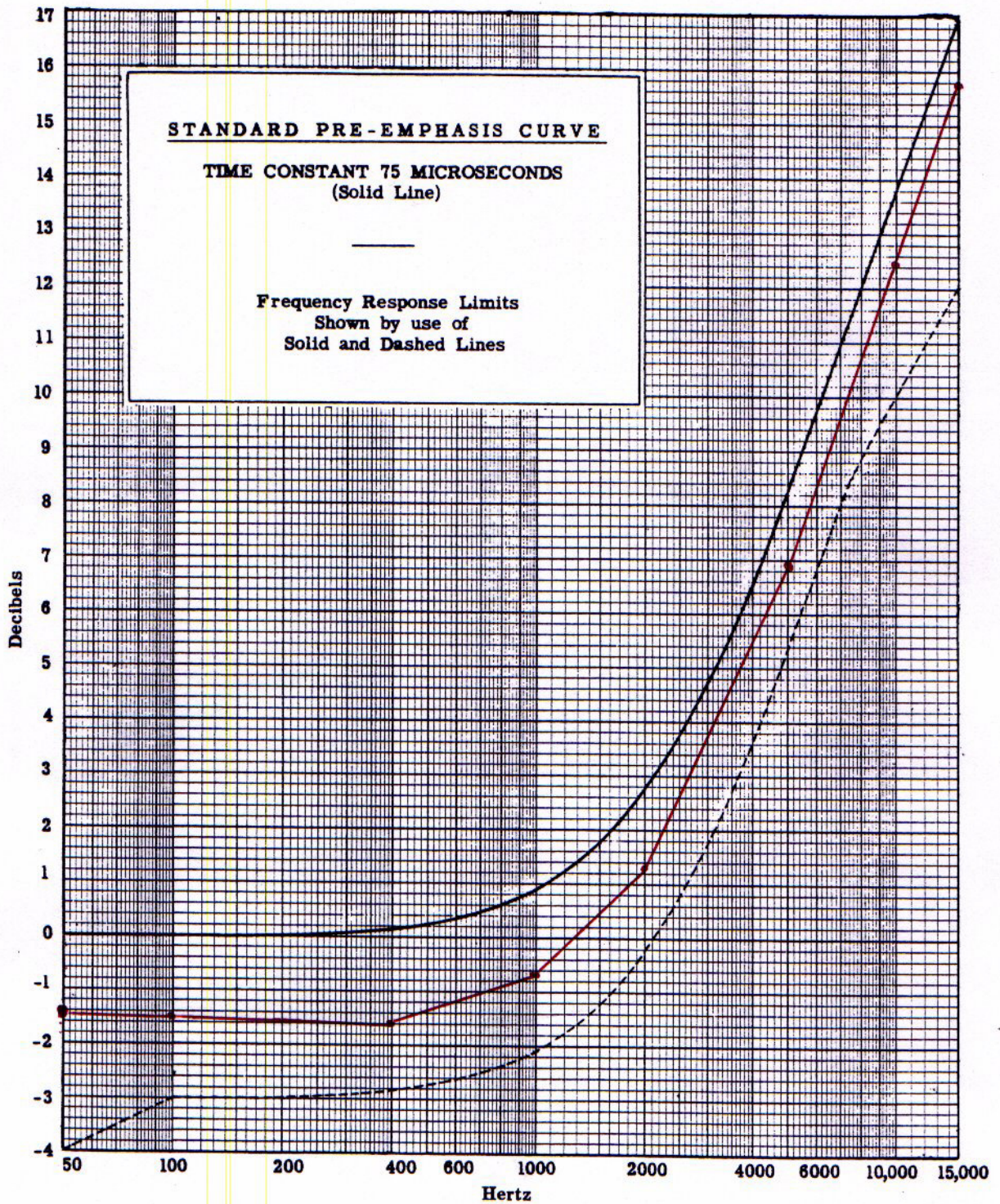
The output noise level (FM measured as prescribed in the band of 50 to 15000 Hz) was 72dB below the level representing ± 25 kHz frequency swing.

The system noise output (AM) in the same band was 64dB below the level representing 100% amplitude modulation.

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AUDIO FREQUENCY RESPONSE 50 % MODULATION

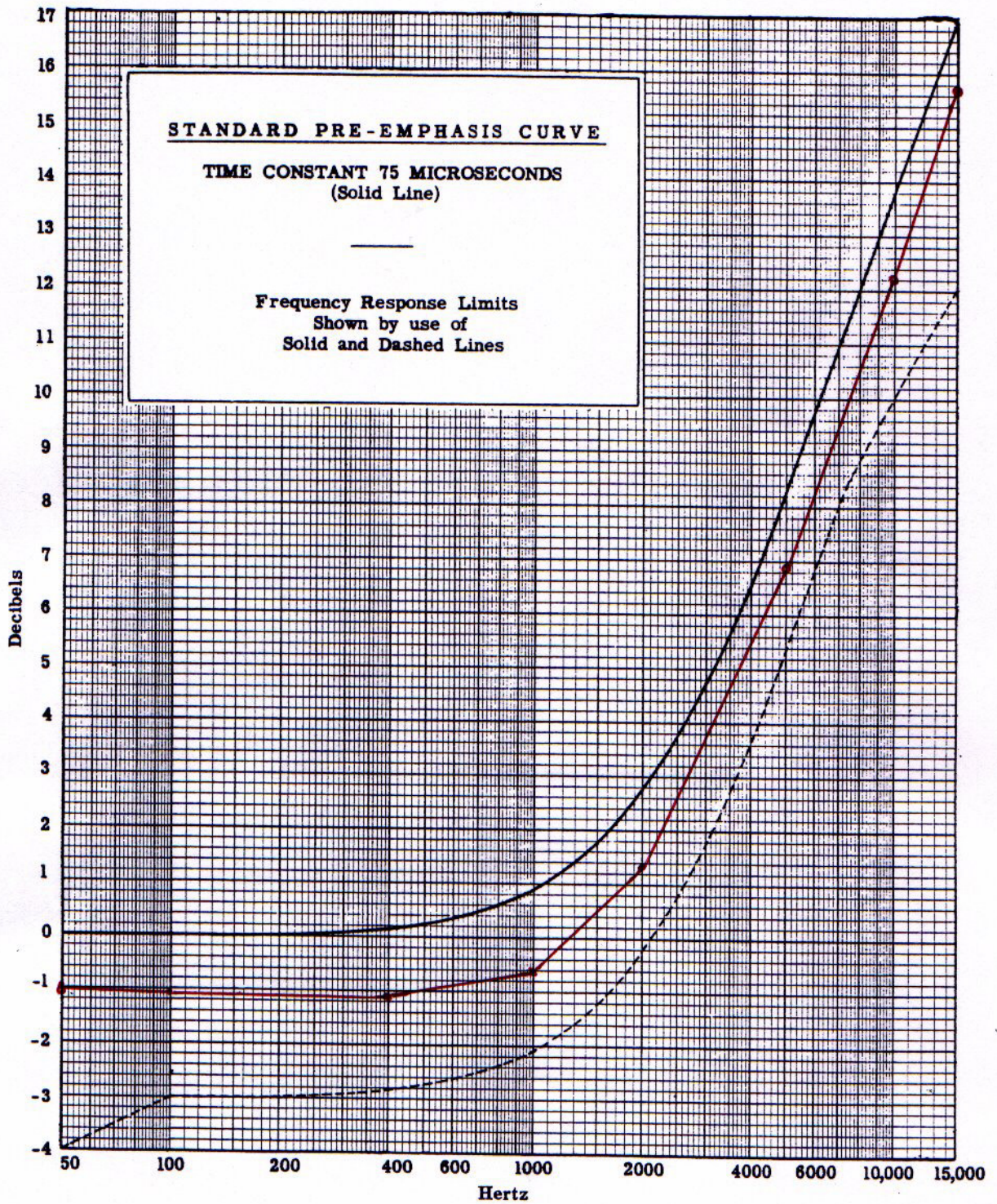


Reference 50 Hz; 0dB = 0 dB

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AUDIO FREQUENCY RESPONSE 100 % MODULATION



Reference 50 Hz; 0dB = 0 dB