

LOMBARDI MIC INPUT TRANSFORMER DATA

FREQ	MIXER OUTPUT	INPUT Z	XFMR FREQ RESP
20Hz	-3.8dB	365 ohms	-1.94dB
30Hz	-1.8dB	455 ohms	-1.21dB
50Hz	-1.5dB	578 ohms	-0.65dB
80Hz	-2.8dB	675 ohms	-0.36dB
100Hz	-3.6dB	715 ohms	-0.26dB
150Hz	-4.2dB	762 ohms	-0.15dB
200Hz	-3.7dB	787 ohms	0dB
300Hz	-2.5dB	803 ohms	0dB
500Hz	-1.0dB	815 ohms	0dB
700Hz	-0.4dB	813 ohms	0dB
1kHz	0dB	800 ohms	0dB
2kHz	+0.3dB	710 ohms	-0.22dB
5kHz	+1.3dB	424 ohms	-1.60dB
7kHz	+1.5dB	321 ohms	-2.82dB
10kHz	+1.6dB	235 ohms	-4.77dB
15kHz	+1.2dB	183 ohms	-7.63dB
20kHz	+0.4dB	187 ohms	-10.21dB

Bruel & Kjaer 1027 Sine/Random Generator used as source. 2 ohm source impedance. Nominal signal output level 50mV, output fed thru ESI Decade Box, inserting series resistance, adjusted to equal the xfmr input impedance. Using a Fluke 8060A in AC RMS mode, REL dB, Decade box adjusted for -6.00dB to yield Xfmr input Impedance. 0dB level was set with decade box set to 0 ohms. Second Fluke DMM in RMS mode, REL dB placed across Xfmr Secondary (at Preamp Input terminals). That yielded Xfmr Frequency Response. The Mixer Output was taken from the Line Output, Mixer adjusted to 0VU on it's meter, and sent to the Amber 3501a Audio Analyzer, 1V input range, REL mode to set 0dBV. Mixer Output response recorded to add to the Xfmr data for reference.

Data recorded at each frequency. Mixer Channel 7 was selected, with EQ controls set to 0dB panel markings.