

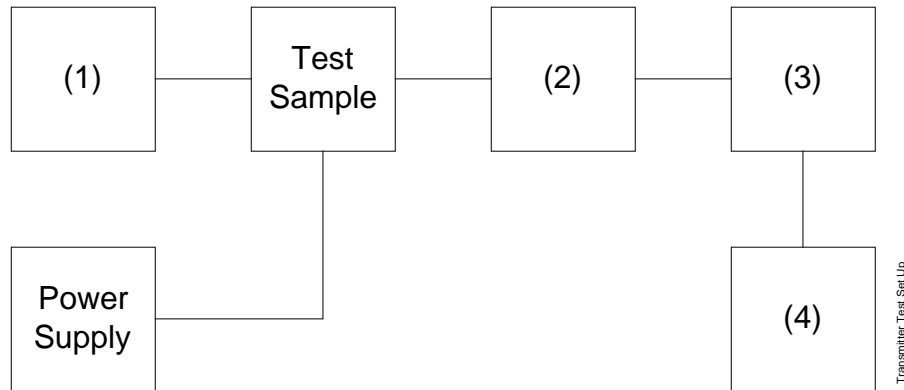
PAGE NO. Revised 18.1 October 10, 2000
NAME OF TEST: Audio Frequency Response
SPECIFICATION: 47 CFR 2.1047(a)
GUIDE: ANSI/TIA/EIA-603-1992, Paragraph 2.2.6
TEST EQUIPMENT: As per attached page

MEASUREMENT PROCEDURE

1. The EUT and test equipment were set up as shown on the following page.
2. The audio signal generator was connected to the audio input circuit/microphone of the EUT.
3. The audio signal input was adjusted to obtain 20% modulation at 1 kHz, and this point was taken as the 0 dB reference level.
4. With input levels held constant and below limiting at all frequencies, the audio signal generator was varied from 100 Hz to 50 kHz.
5. The response in dB relative to 1 kHz was then measured, using the HP 8901A Modulation Analyzer.
6. MEASUREMENT RESULTS: ATTACHED

TRANSMITTER TEST SET-UP

- TEST A. MODULATION CAPABILITY/DISTORTION
- TEST B. AUDIO FREQUENCY RESPONSE
- TEST C. HUM AND NOISE LEVEL
- TEST D. RESPONSE OF LOW PASS FILTER
- TEST E. MODULATION LIMITING

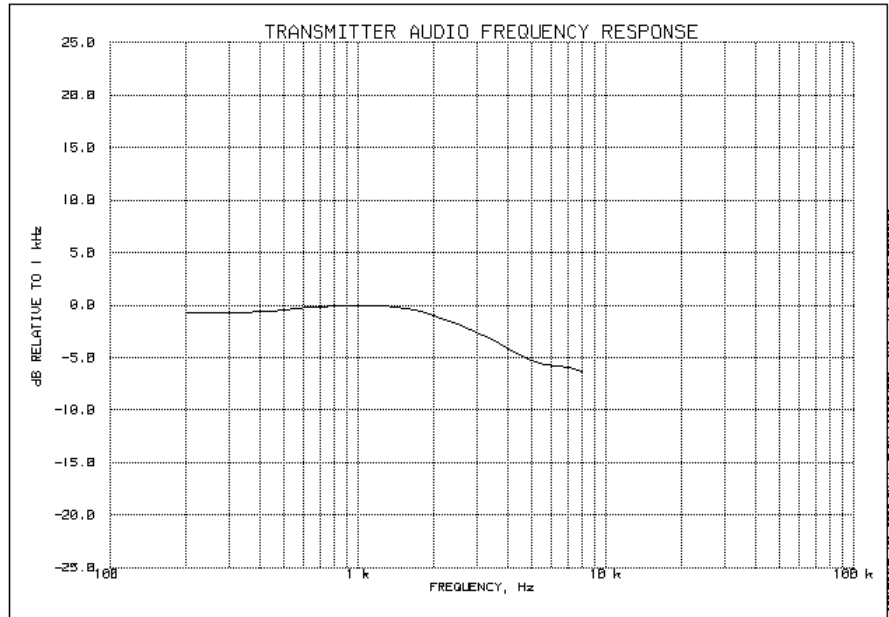


Asset Description (as applicable)	s/n
(1) <u>LINE IMPEDANCE STABILIZATION NETWORK</u>	
i00010 HP 204D	1105A04683
i00017 HP 8903A	2216A01753
i00118 HP 33120A	US36002064
(2) <u>COAXIAL ATTENUATOR</u>	
i00122 NARDA 766-10	7802
i00123 NARDA 766-10	7802A
i00113 SIERRA 661A-3D	1059
i00069 BIRD 8329 (30 dB)	10066
(3) <u>MODULATION ANALYZER</u>	
i00020 HP 8901A	2105A01087
(4) <u>AUDIO ANALYZER</u>	
i00017 HP 8903A	2216A01753

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Revised 18.3 October 10, 2000

NAME OF TEST: Audio Frequency Response
 g00a0101: 2000-Oct-10 Tue 09:46:00
 STATE: 0:General



Additional points:

FREQUENCY, Hz	LEVEL, dB
300	-0.87
20000	-13.35
30000	-10.06
50000	-9.72

SUPERVISED BY:

Morton Flom, P. Eng.

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NAME OF TEST: Necessary Bandwidth and Emission Bandwidth
SPECIFICATION: 47 CFR 2.202(g)

MODULATION = 12K0F3E

NECESSARY BANDWIDTH CALCULATION:

MAXIMUM MODULATION (M), kHz = 1
MAXIMUM DEVIATION (D), kHz = 5
CONSTANT FACTOR (K) = 1
NECESSARY BANDWIDTH (B_N), kHz = (2xM)+(2xDxK)
= 12

SUPERVISED BY:



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