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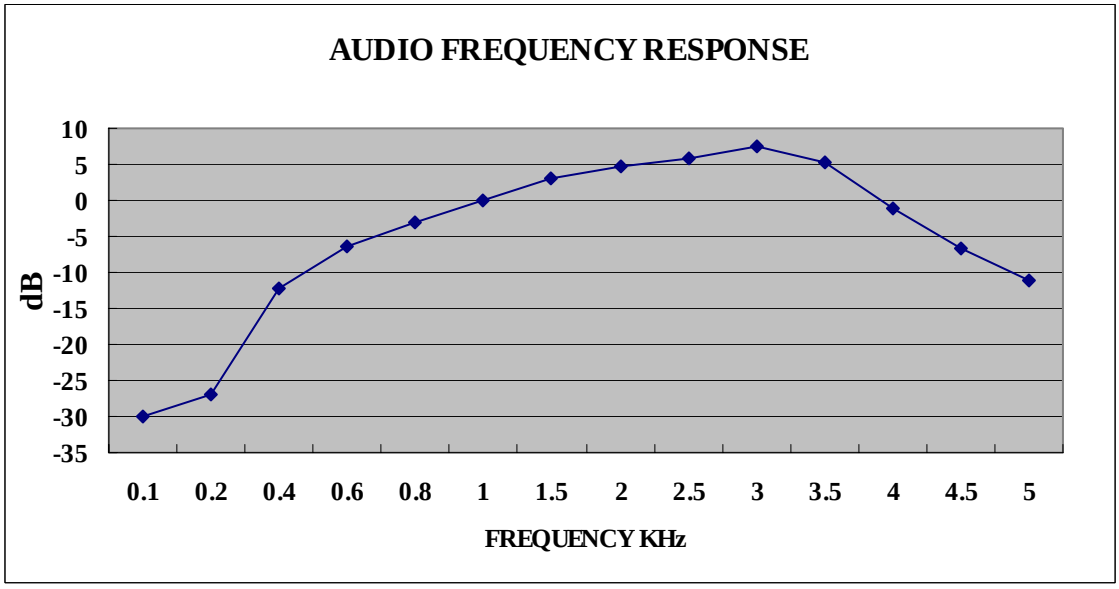
2.1047 (a) (b) Modulation characteristics :

AUDIO FREQUENCY RESPONSE

The audio frequency response was measured in accordance with TIA/EIA Specification 603. The audio frequency response curve is shown on the page. The audio signal was fed into a dummy microphone Circuit and into the microphone connector. The Input required to produce 20 percent modulation Level was measured. See plot below.

AUDIO FRQUENCY RESPONSE PLOT GOES HERE



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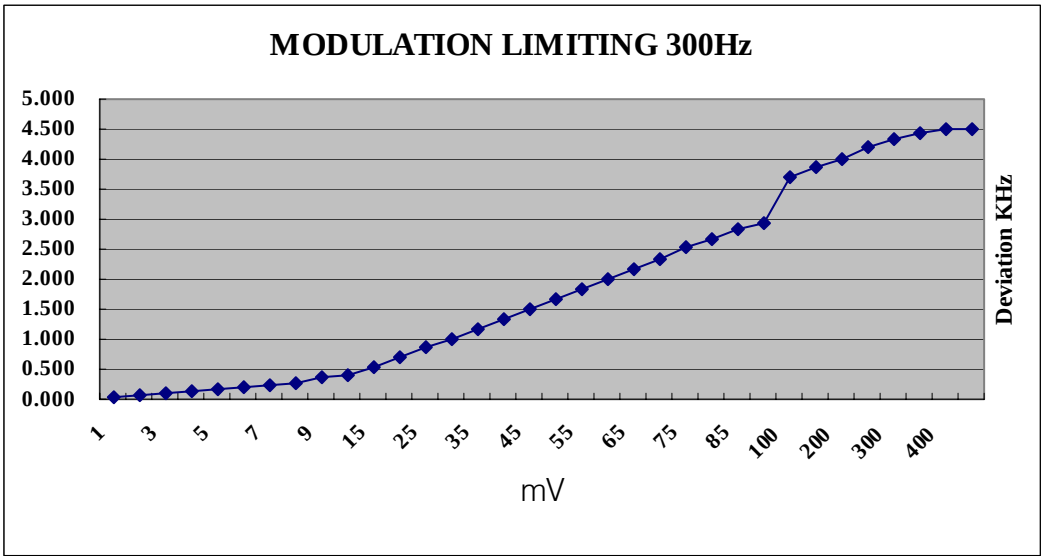
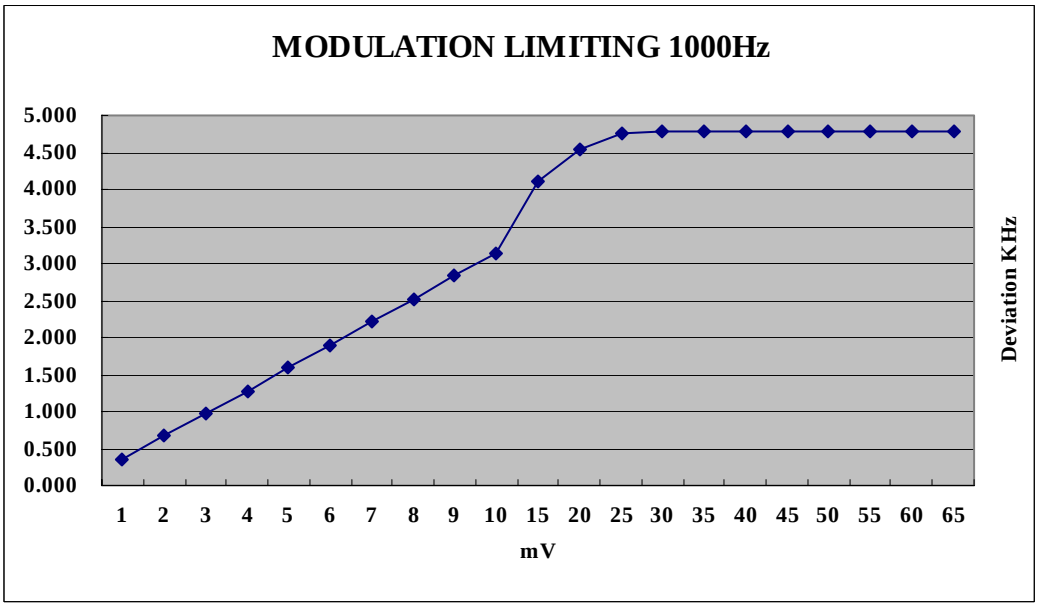
2.1047 (b) Audio input versus modulation

The audio input level needed for a particular per-percentage of modulation was measured in accor – dance with TIA/EIA Specification 603. The audio input curves versus modulation are on the following pages. Curves are provided for audio input frequent-cies of 300, 1000, and 3000 Hz.





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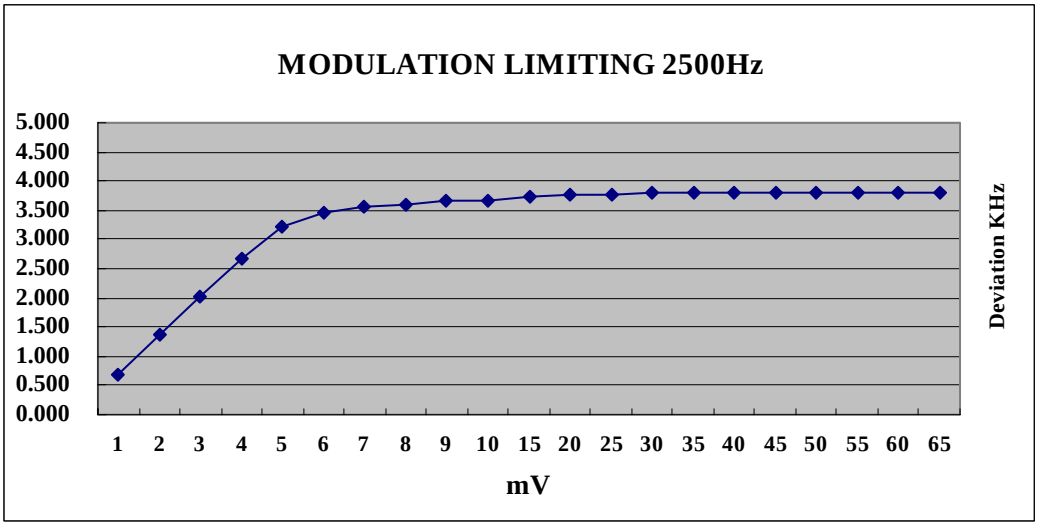

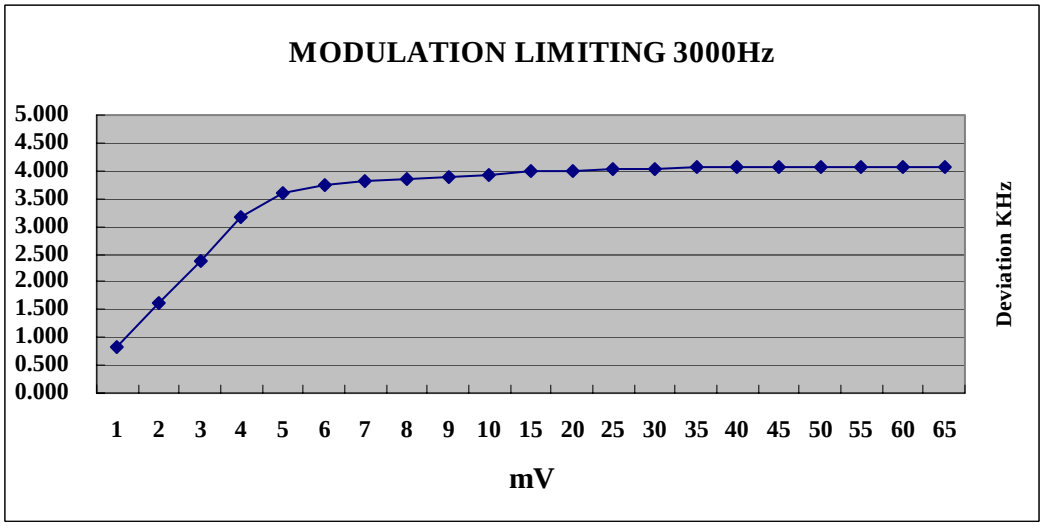

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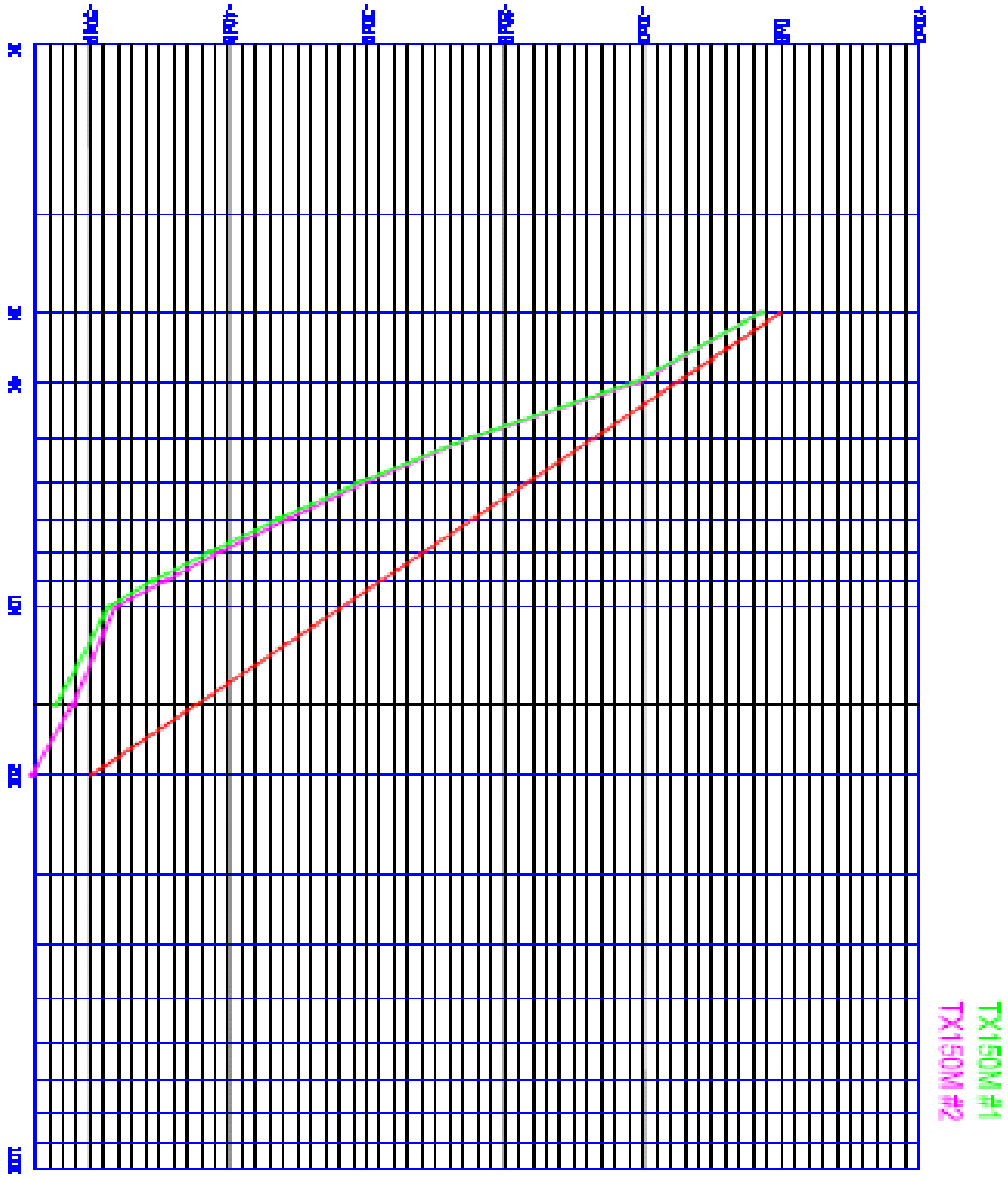
AUDIO LOW PASS FILTER GRAPH

95.637 Post Limiter Filter Each, except a Mobile station transmitter with a power of 2.5Watts or less, must be equipped with an audio low pass filter. At any frequency between 3 & 20 kHz the filter must have an attenuation of 60log (f/3) greater than the attenuation at 1KHz. See below.



APPLICANT : TTI Tech Co., Ltd.
FCC ID : PDHTX150M
REPORT: 2645AUT6 TestReport2

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2.1055(a)(2) Frequency stability
80.209(a)

Temperature and voltage tests were performed to verify that the frequency remains within the 0.0010%, 10 ppm specification limit. The test was conducted as follows: The transmitter was placed in the temperature chamber at 25ºC and allowed to stabilize for one hour. The transmitter was keyed ON for one minute during which four frequency readings were recorded at 15 second intervals. The worse case number was taken for temperature plotting. The assigned channel frequency was considered to be the reference frequency. The temperature was then reduced to –20ºC after which the transmitter was again allowed to stabilize for one hour. The transmitter was keyed ON for one minute, and again frequency readings were noted at 15 second intervals. The worse case number was recorded for temperature plotting. This procedure was repeated in 10 degree increments up to + 50ºC.

Readings were also taken at minus 15% of the battery voltage, which we estimate to be the battery endpoint.

MEASUREMENT DATA:

Assigned Frequency (Ref. Frequency): 156.70000

TEMPERATURE	FREQUENCY(MHz)	ppm	LIMIT(ppm)
REFERENCE	**156.70000**		10.0
-20	156.70040	2.55	10.0
-10	156.70010	0.64	10.0
0	156.70019	1.21	10.0
10	156.70017	1.08	10.0
20	156.69981	-1.21	10.0
30	156.69988	-0.77	10.0
40	156.69984	-1.02	10.0
50	156.69989	-0.70	10.0
End of Voltage 4.5V	156.69940	-3.83	10.0