



COMPANY NAME: TOPAZ3, L.L.C..
EUT: SM-3450 MOBILE RADIO
CLIENT REFERENCE NUMBER: QRTL00-316
WORK ORDER NUMBER: 2000301
FCC ID: 07KSM3450U2

8 FCC Rules and Regulations Part 2 §2.1047 (b): Modulation Characteristics - MODULATION LIMITING

8.1 Test Procedure

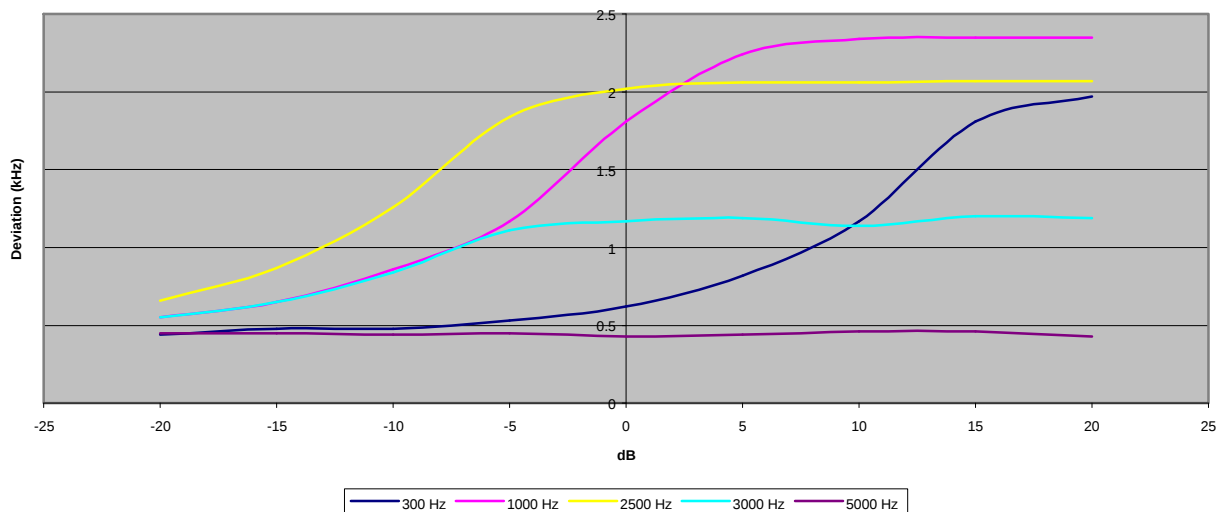
ANSI/TIA/EIA-603-1992, section 2.2.3

The transmitter is adjusted for full rated system deviation. The audio input level is adjusted for 60% of rated system deviation at 1000Hz. Using this level as a reference (0dB) the audio input level is varied from the reference to a level +20 dB above it and -20 dB under it, for modulation frequencies of 300Hz, 1,000Hz, and 2,500Hz. The system deviation obtained as a function of the input level is recorded.

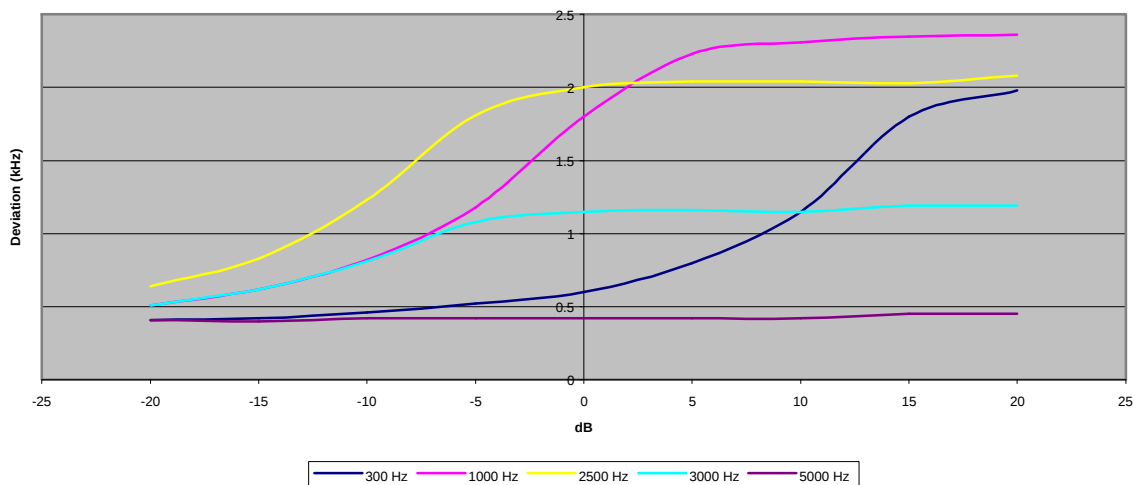
Both Positive and Negative Peak deviations were recorded.

8.2 Test Data

Modulation Limiting; Positive Peak
Channel 2; 12.5 kHz BW; 40 W



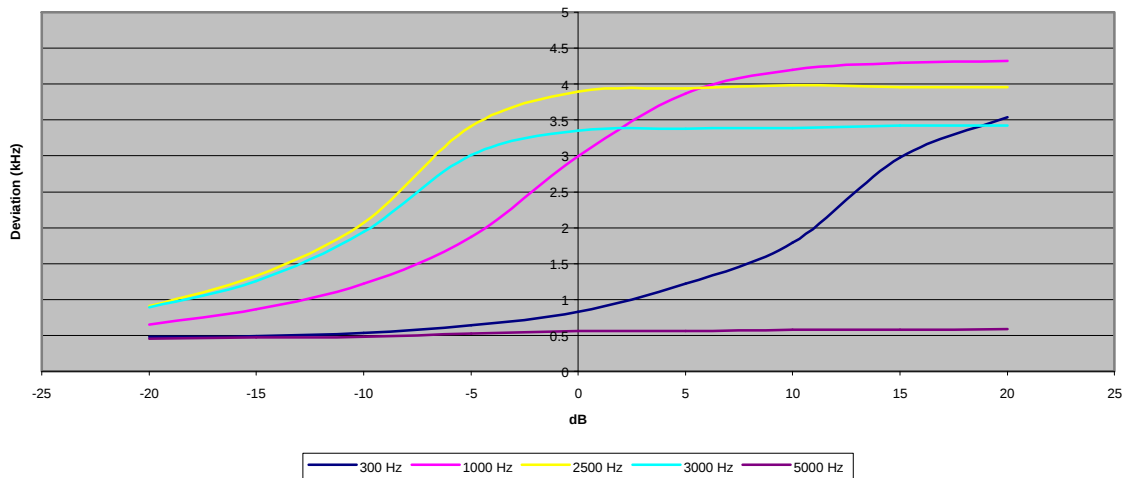
Modulation Limiting; Negative Peak
Channel 2; 12.5 kHz BW; 40 W



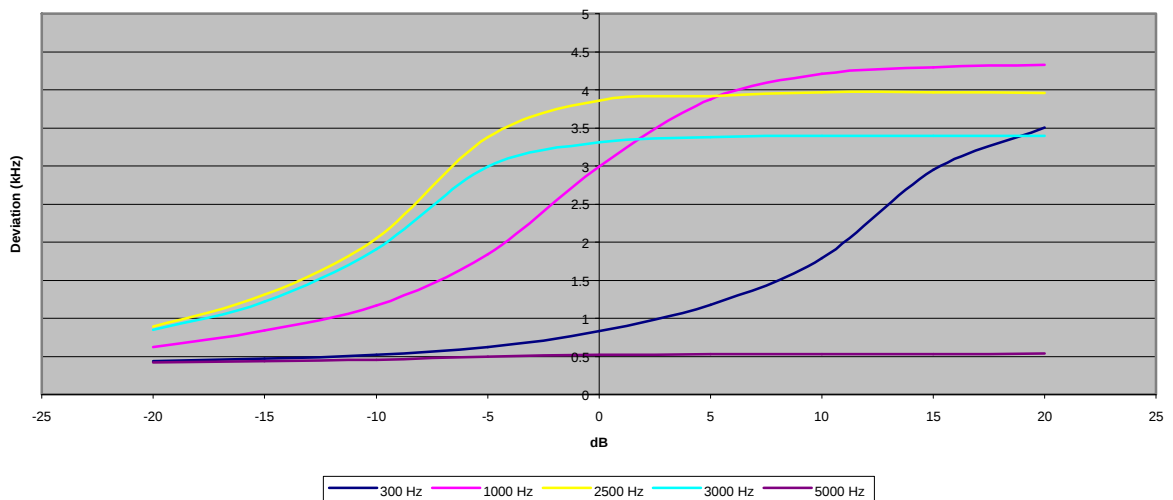


COMPANY NAME: TOPAZ3, L.L.C..
EUT: SM-3450 MOBILE RADIO
CLIENT REFERENCE NUMBER: QRTL00-316
WORK ORDER NUMBER: 2000301
FCC ID: 07KSM3450U2

Modulation Limiting; Positive Peak
Channel 8; 25 kHz BW; 40 W



Modulation Limiting; Negative Peak
Channel 8; 25 kHz BW; 40 W



8.3 Test Equipment

Audio generator	HP3336Bs/n 2127A00559
Modulation analyzer	HP8901A s/n 2545A04102