

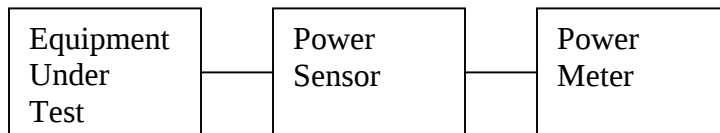
Measured Data

Measurement

1. RF Output Power

Test Method: TIA/EIA-603-A 2.2.1

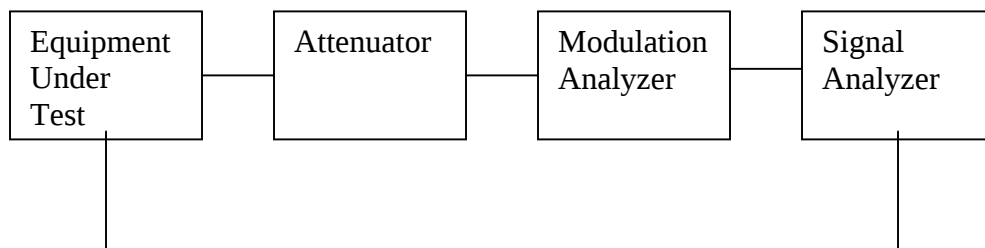
Equipment Used: Rohde&Schwarz NRT Power Meter(9-27-08), NRT-Z14 Power Sensor(9-27-08), Fluke 87 Multimeter(9-14-08)

**2. Audio Frequency Response**

Test Method: TIA/EIA-603-A 2.2.6

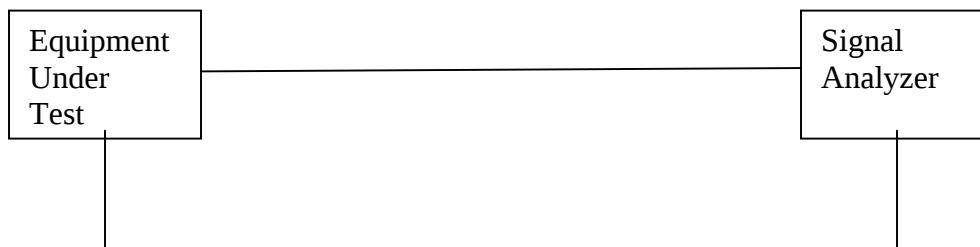
Equipment Used: HP8901B Modulation Analyzer(4-30-08), HP35670A Signal Analyzer (9-19-08)

No filters were used on the modulation analyzer.

**3. Low Pass Filter Response**

Test Method: TIA/EIA-603-A 2.2.15

Equipment Used: HP35670A Signal Analyzer(9-19-08)



4. Occupied Bandwidth /Emission Mask

No Modulation

16K0F3E

11K0F3E

8K10F1D

8K10F1E

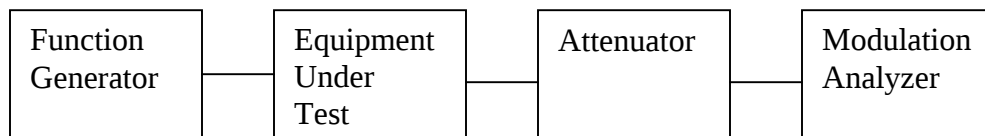
Test Method: TIA/EIA-603-A 2.2.11

Equipment Used: HP8560E Spectrum Analyzer(5-04-08)

**5. Modulation Limiting**

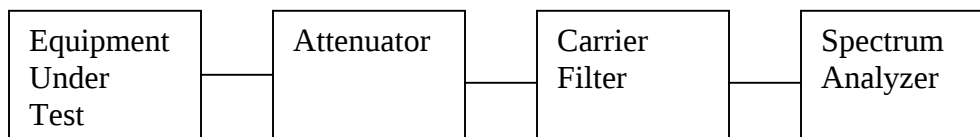
Test Method: TIA/EIA-603-A 2.2.3

Equipment Used: HP8901B Modulation Analyzer(4-30-08), HP8901B Function Gen (4-30-08)

**6. Conducted Spurious Emissions**

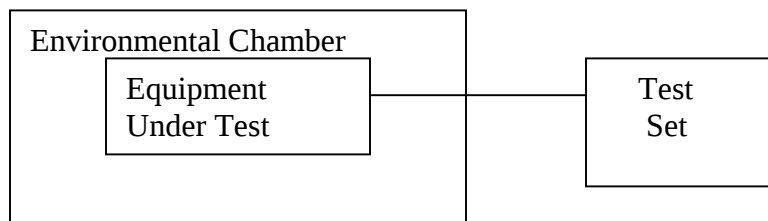
Test Method: TIA/EIA-603-A 2.2.13

Equipment Used: HP8560E Spectrum Analyzer(5-04-08)

**7. Frequency Stability**

Test Method: TIA/EIA-603-A 2.2.2

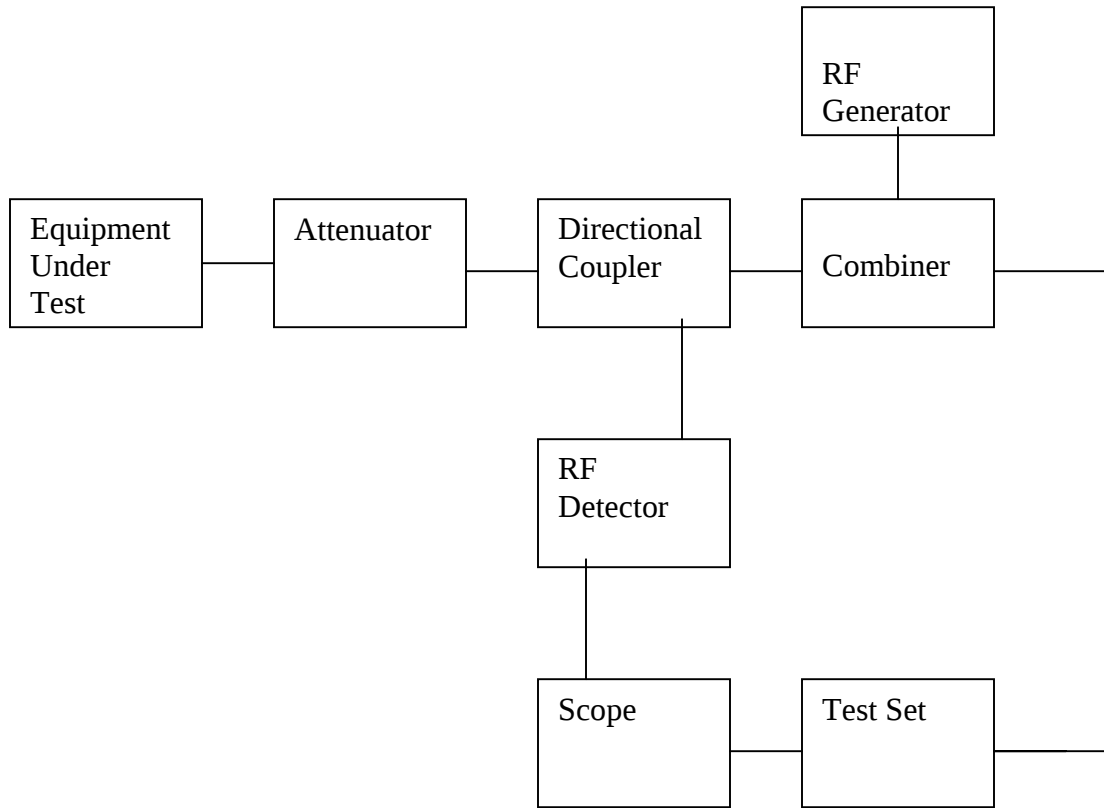
Equipment Used: HP8920B RF Communications Test Set(4-30-08)



8. Transient Frequency Behavior

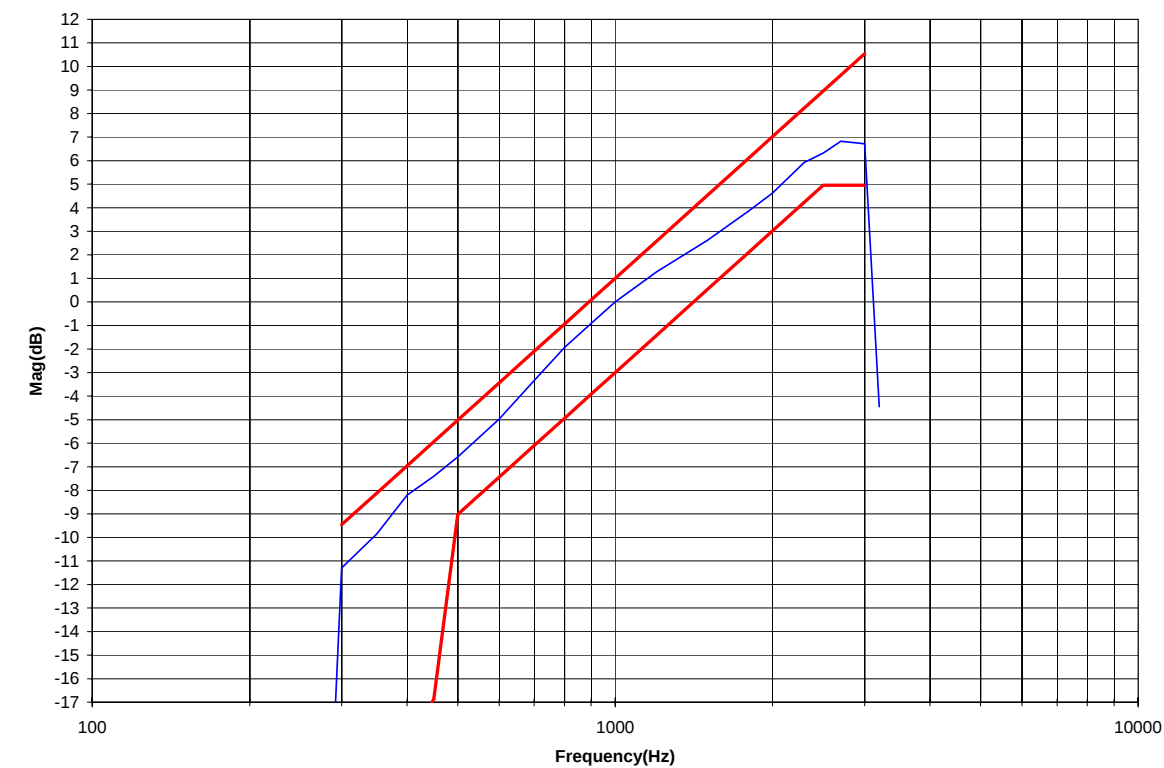
Test Method: TIA/EIA-603-A 2.2.19.3

Equipment Used: HP 8920B Communications Test Set(4-30-08), Tek DPO4104 Scope(2-16-08), ohde & Schwarz SMB100A Signal generator(9-13-10)

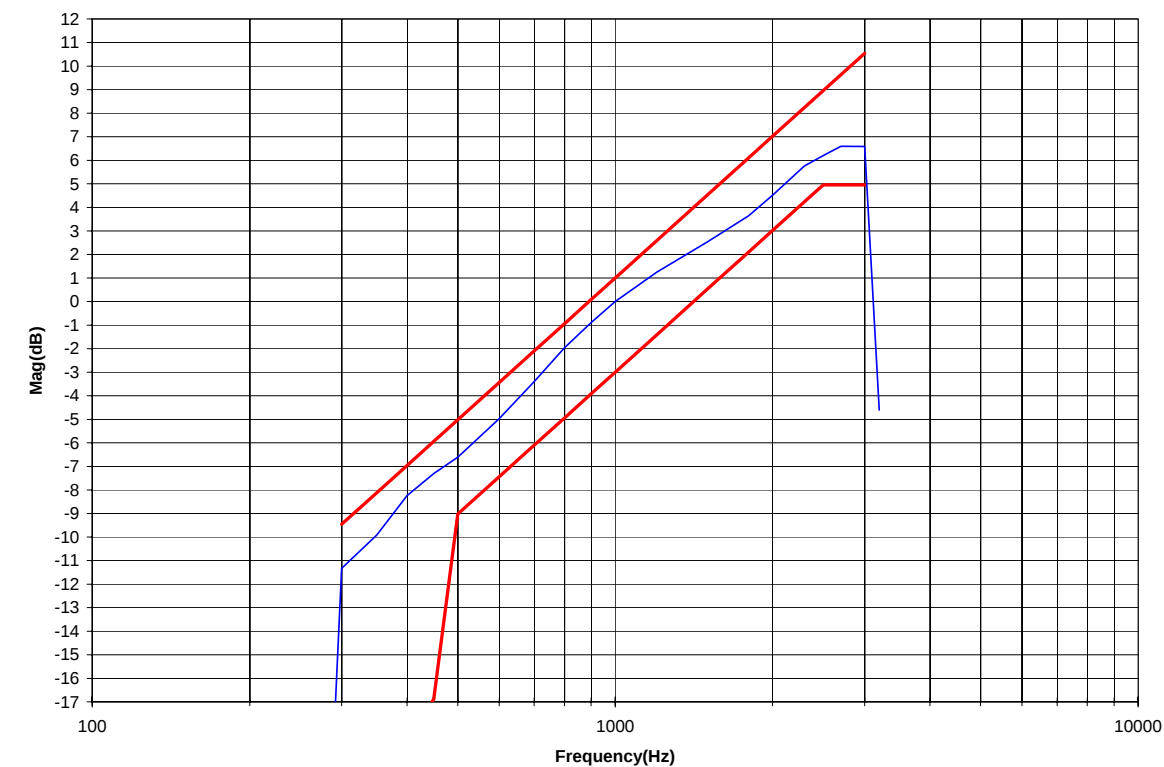
**9. #1 RF Output Power**

Frequency	Power	Voltage	Current(PA Device)
136.0	6.69W	10.8V	1.52A
153.0	6.50W	10.8V	1.37A
163.0	6.95W	10.8V	1.38A
174.0	6.75W	10.8V	1.46A

#2 Audio Frequency Response
25KHz TX Audio Response 163MHz

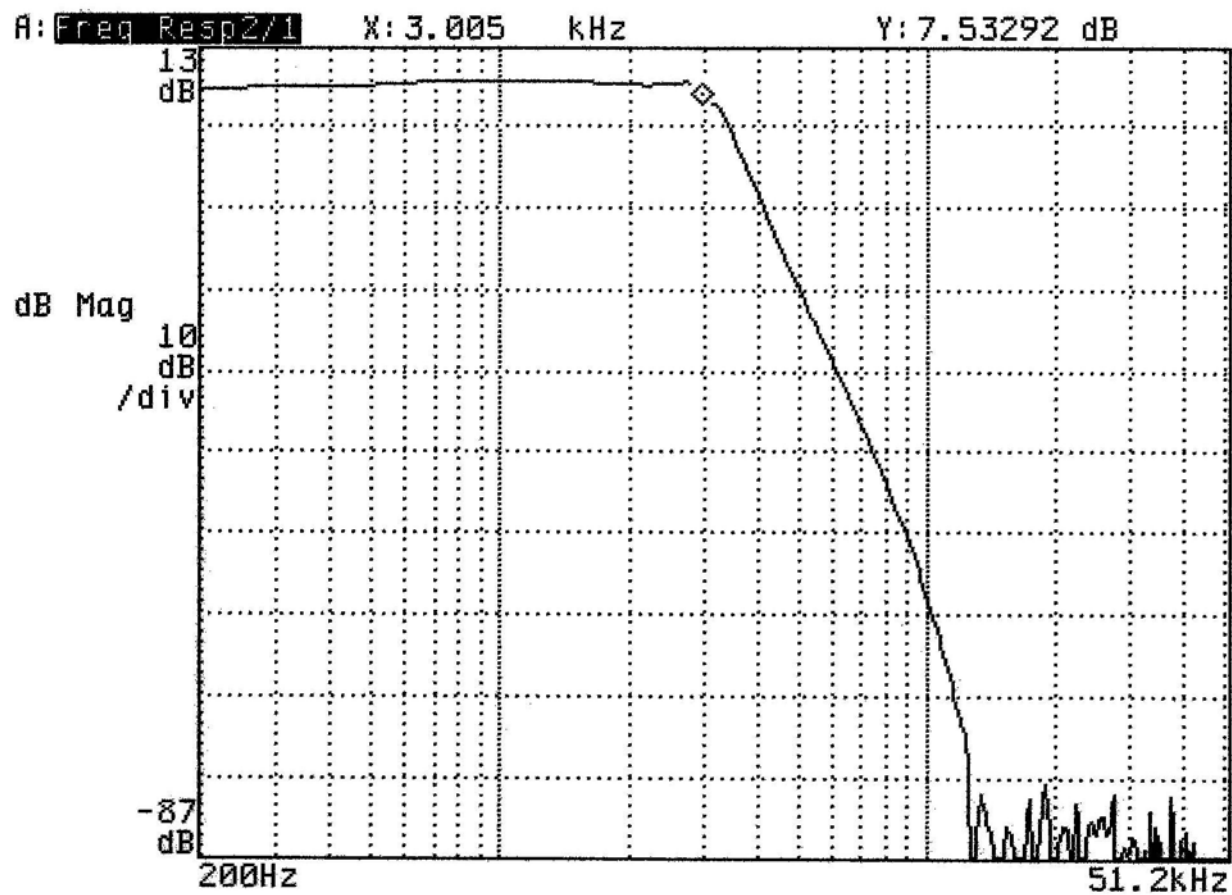


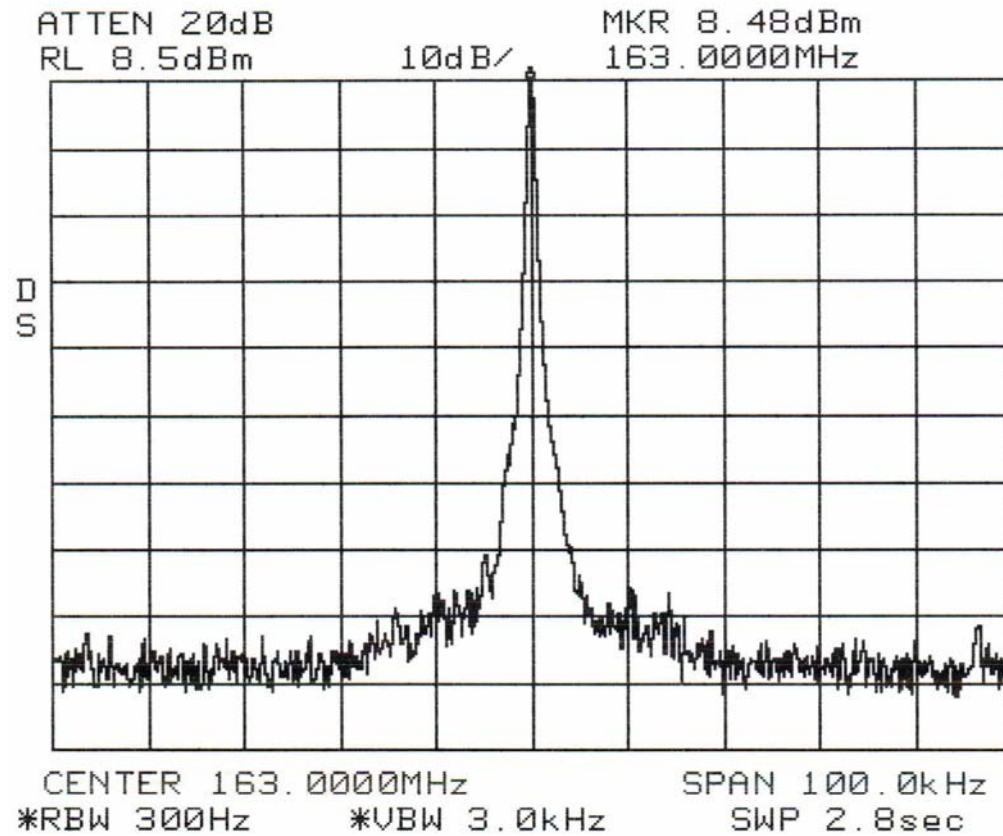
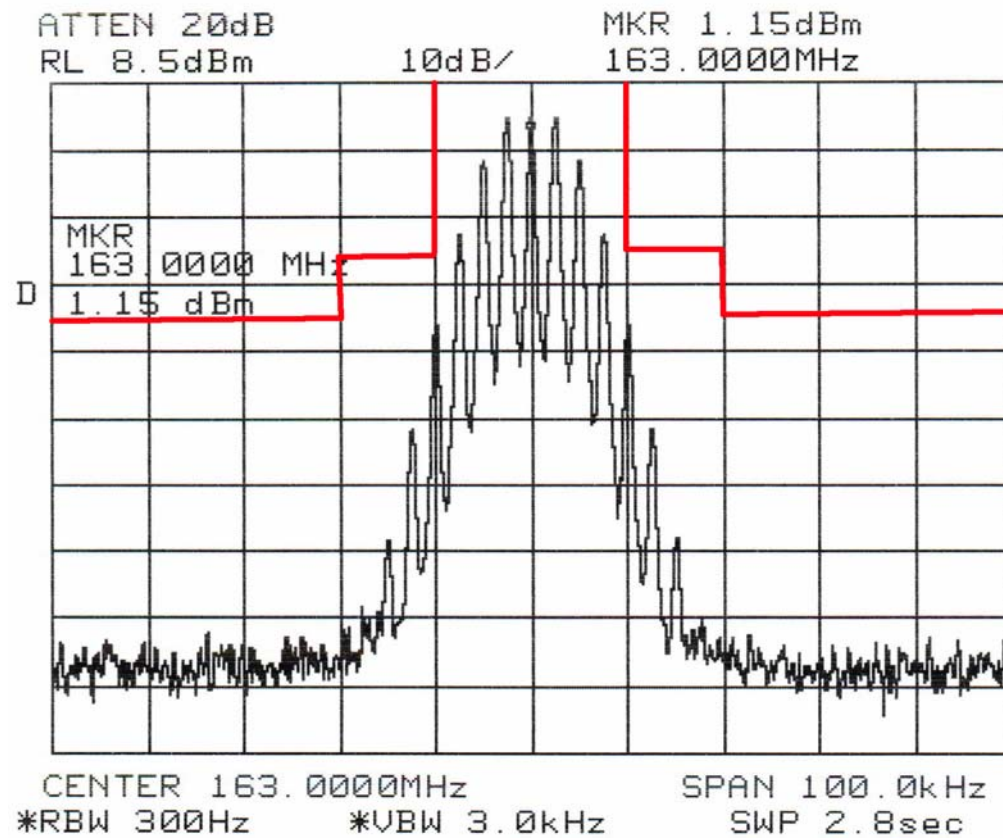
12.5KHz TX Audio Response 163MHz



#3 Low Pass Filter Response

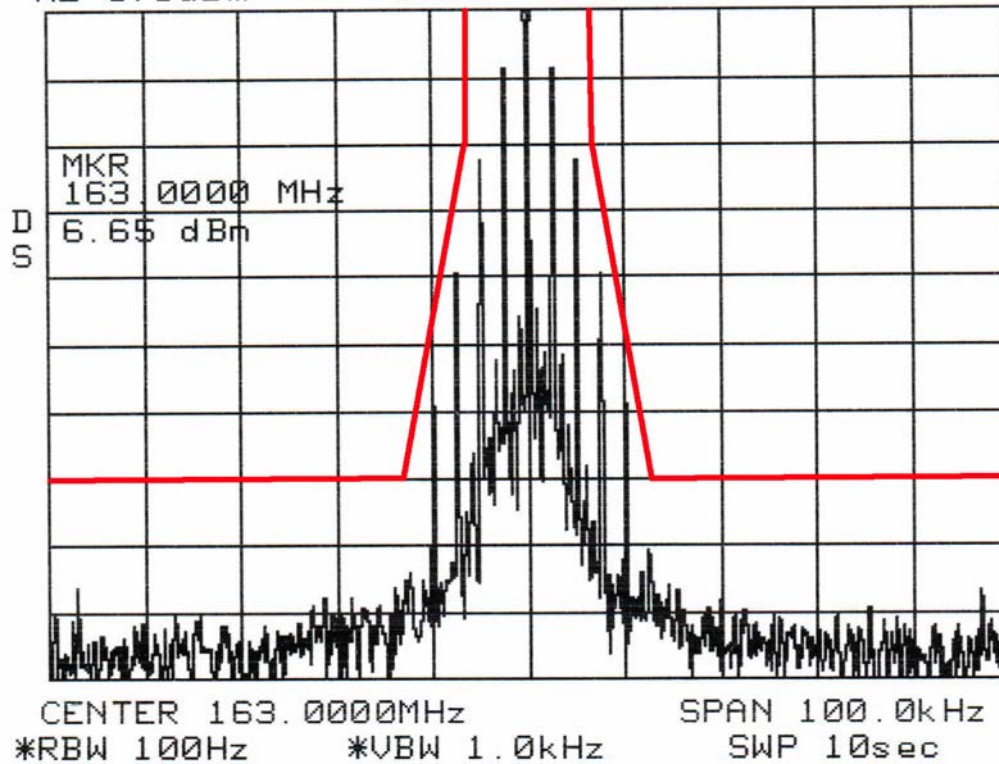
Date: 10-09-07 Time: 11:08:00 AM



#4 Occupied Bandwidth No Modulation**#4 Occupied Bandwidth Analog Voice 16K0F3E Mask B**

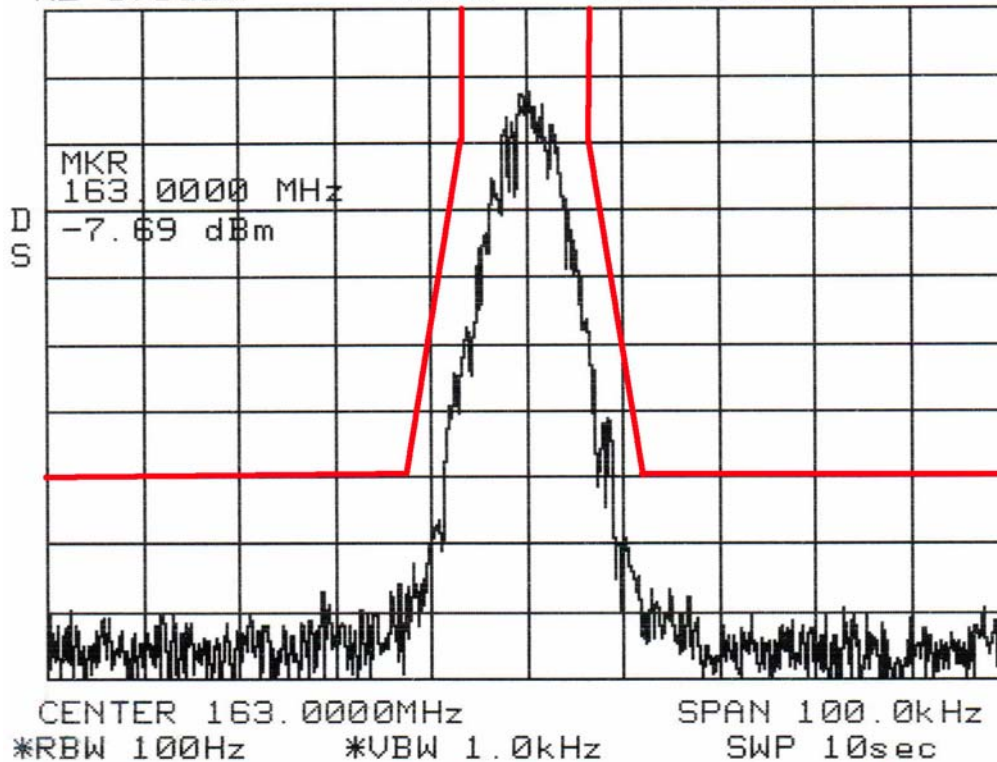
#4 Occupied Bandwidth Analog Voice 11K0F3E Mask D

ATTEN 20dB MKR 6.65dBm
RL 8.5dBm 10dB/ 163.0000MHz

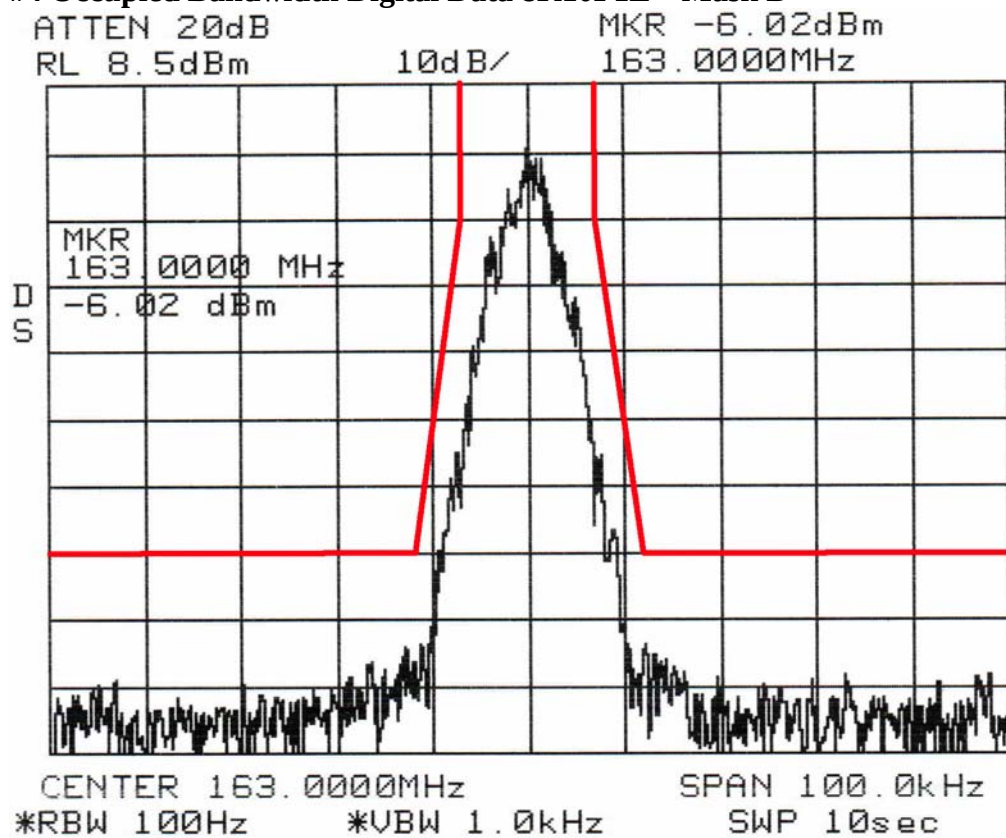


#4 Occupied Bandwidth Digital Voice 8K10F1D Mask D

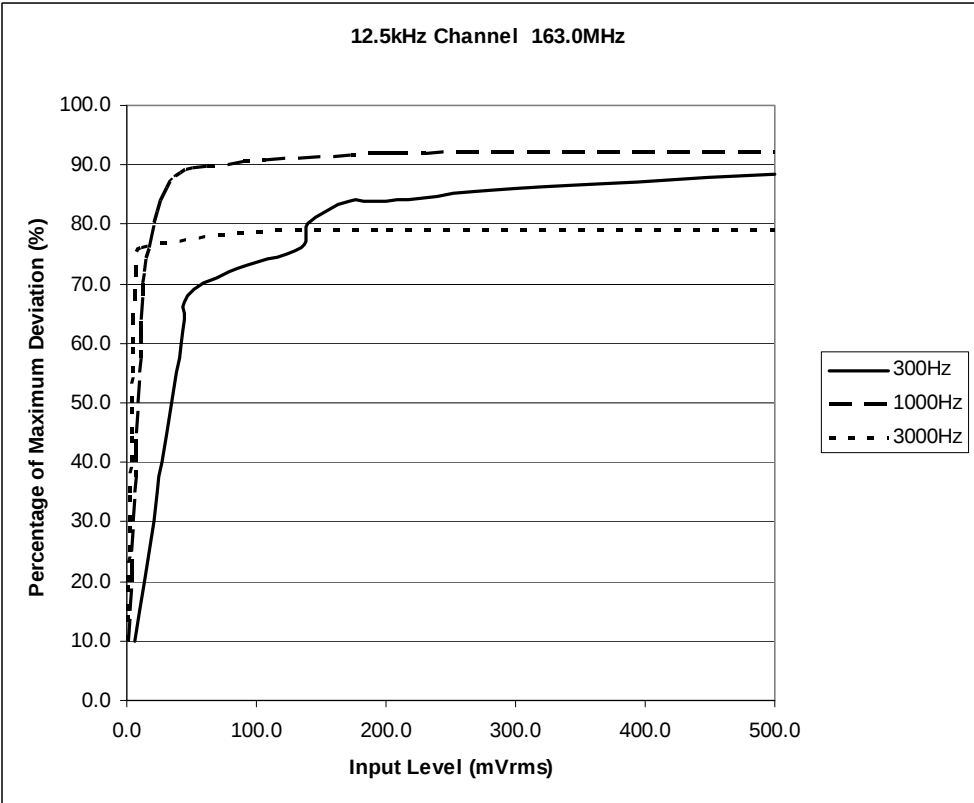
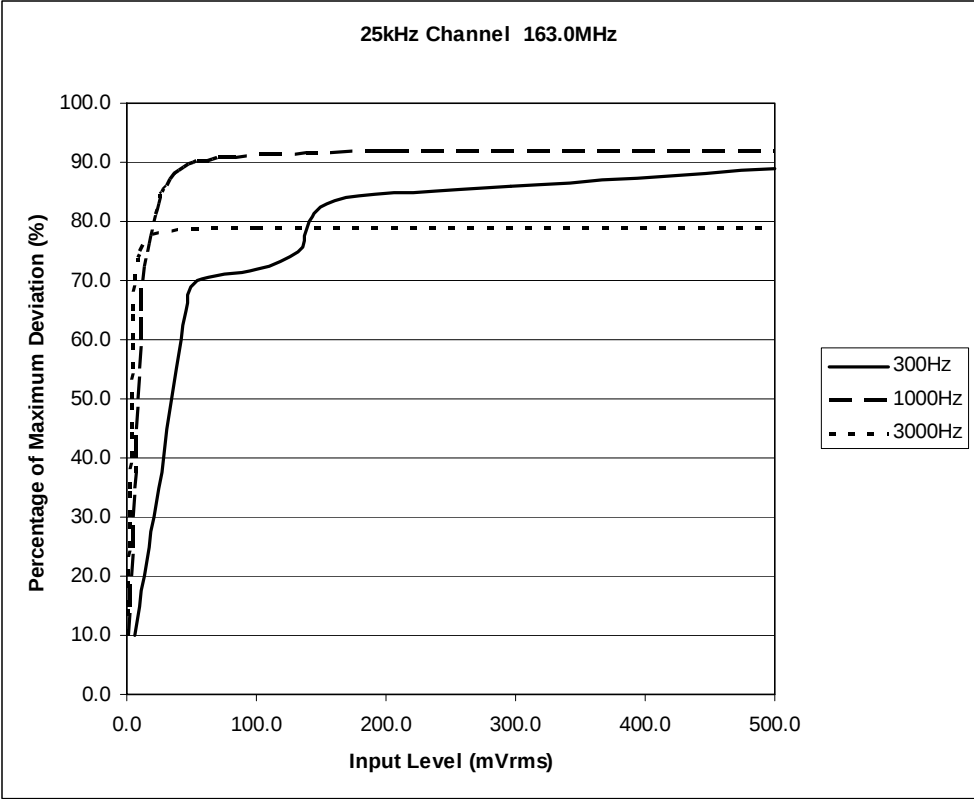
ATTEN 20dB		MR	-7.69dBm
RL 8.5dBm	10dB/		163.0000MHz



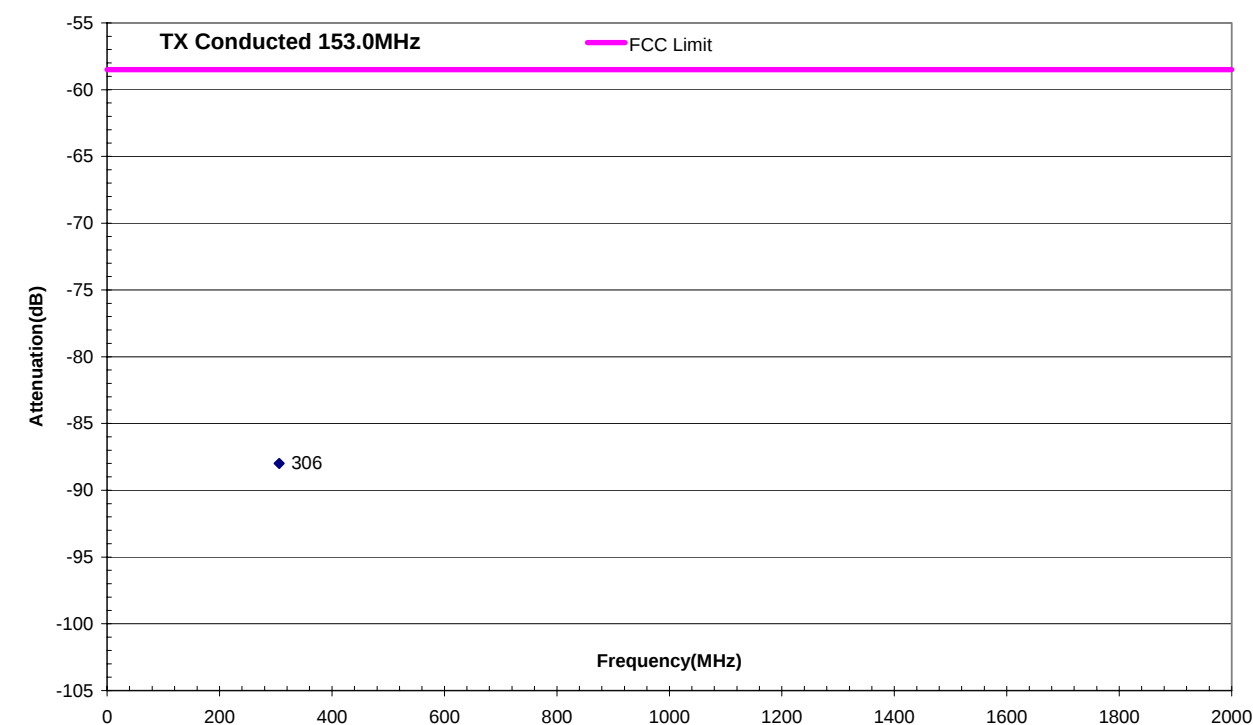
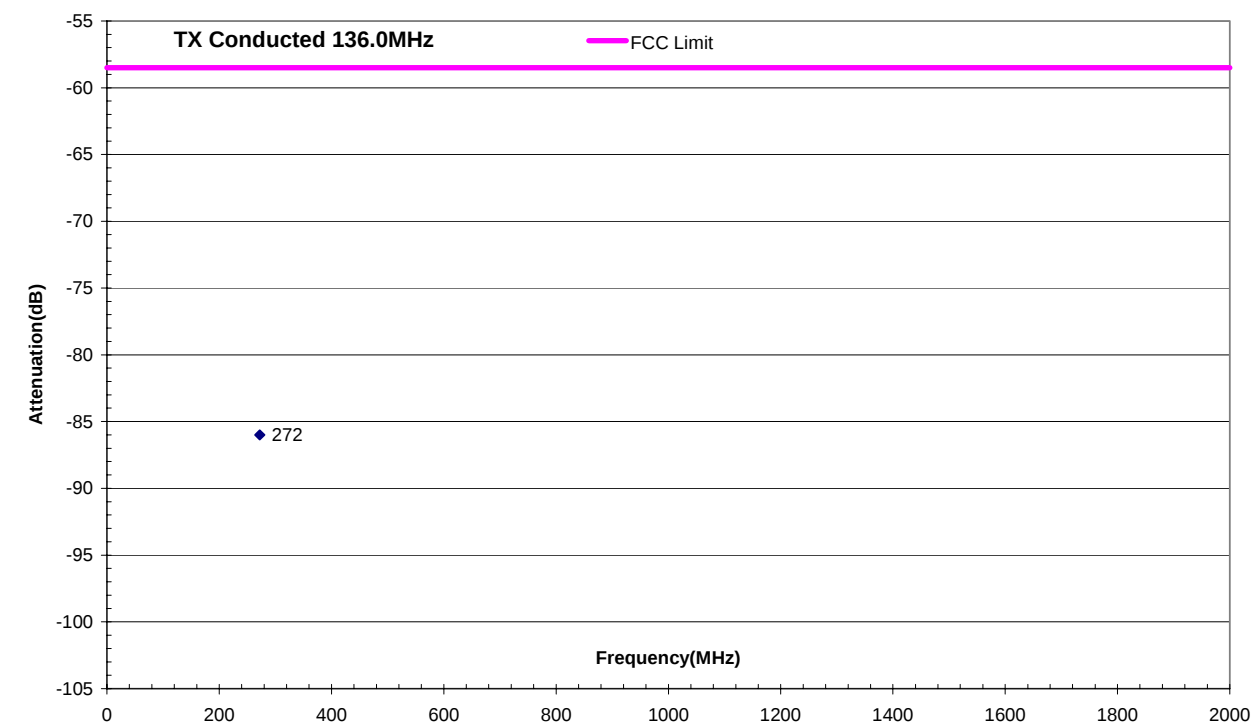
#4 Occupied Bandwidth Digital Data 8K10F1E Mask D

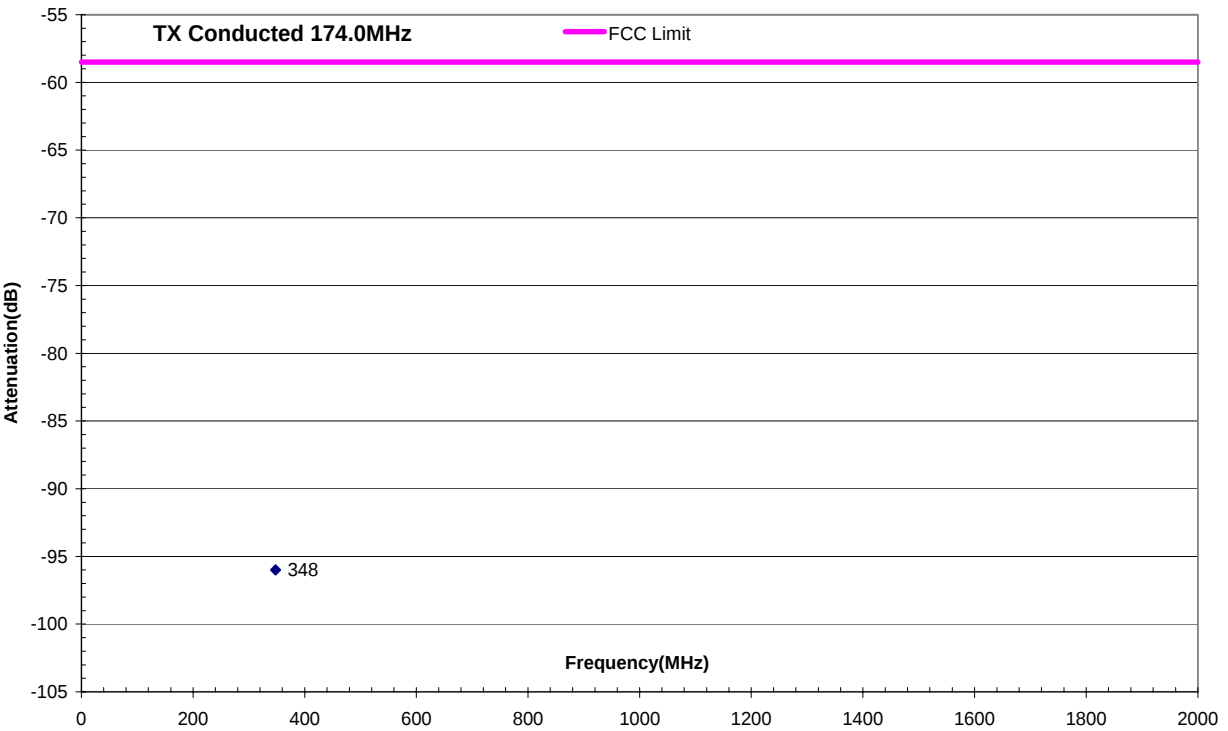
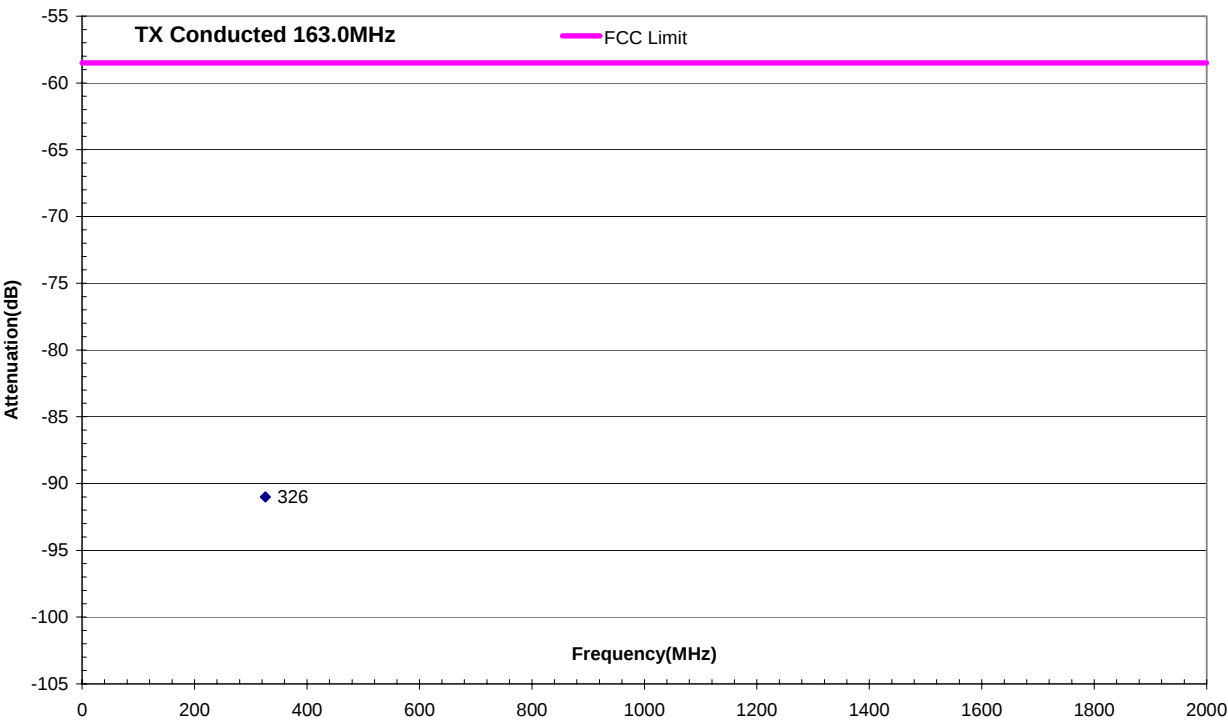


#5 Modulation Limiting

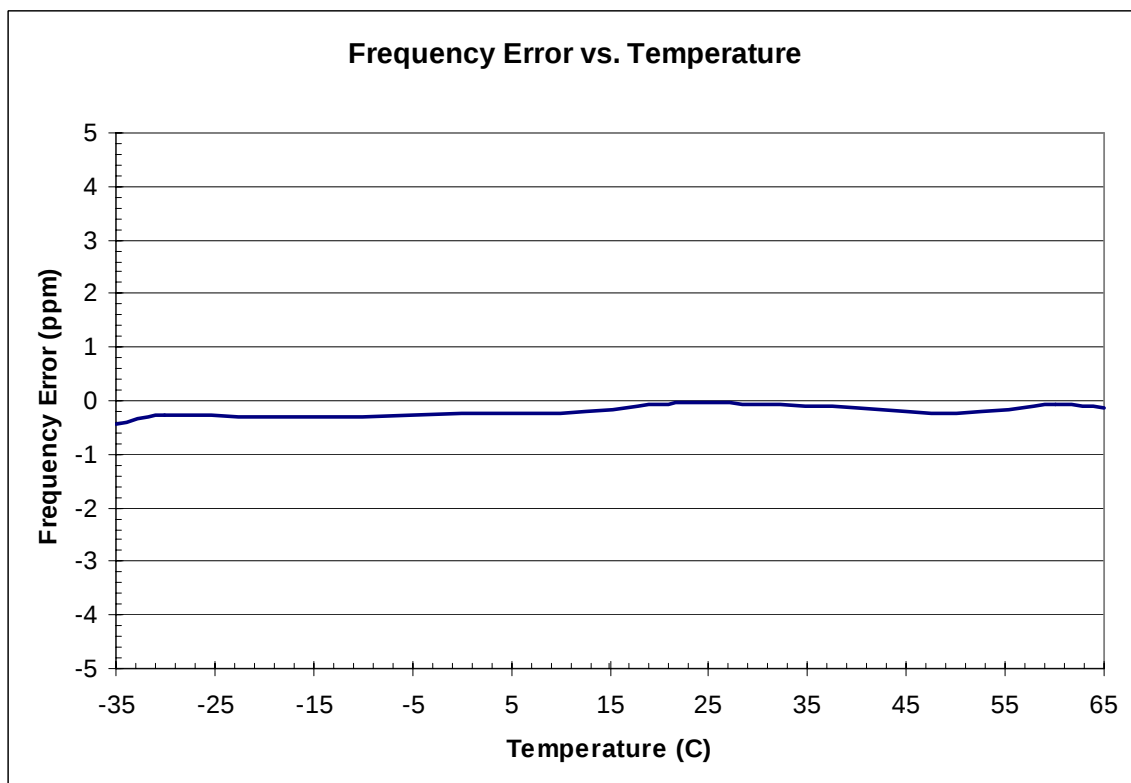
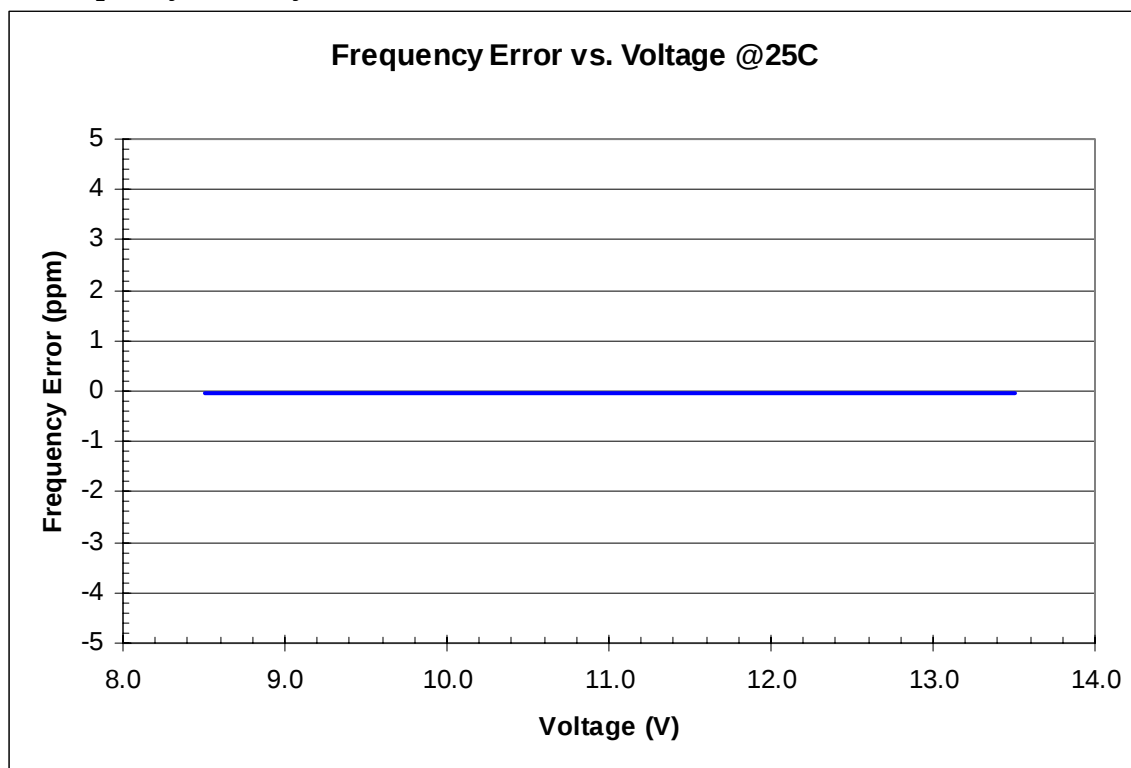


#6 Conducted Spurious Emissions



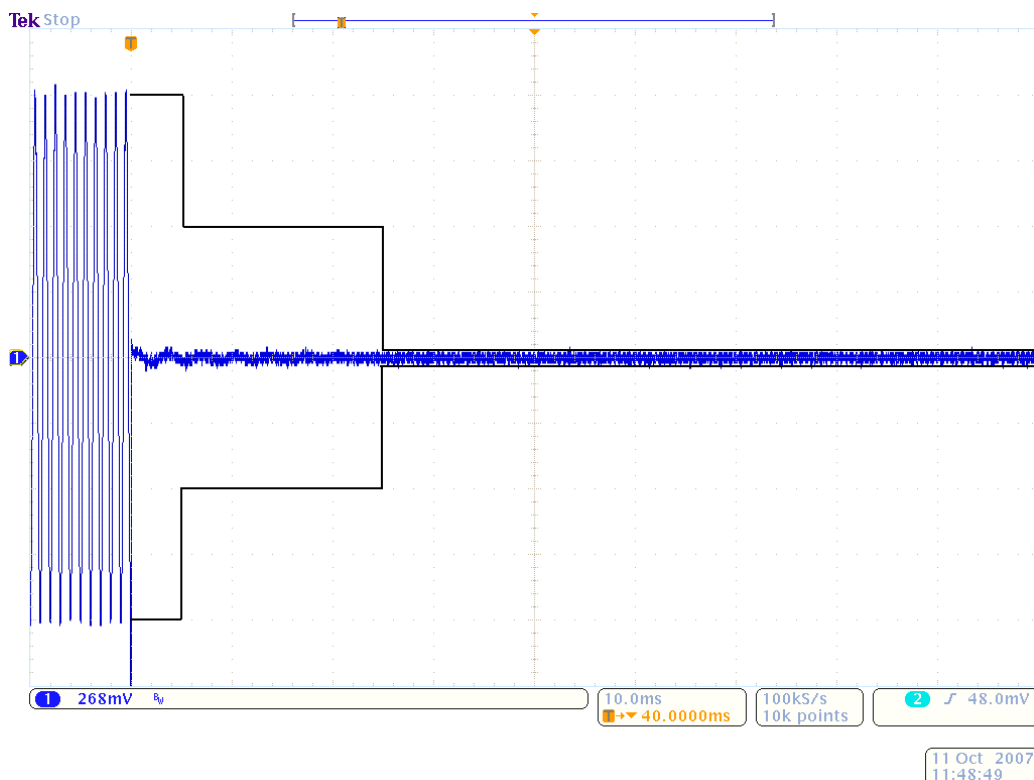


#7 Frequency Stability

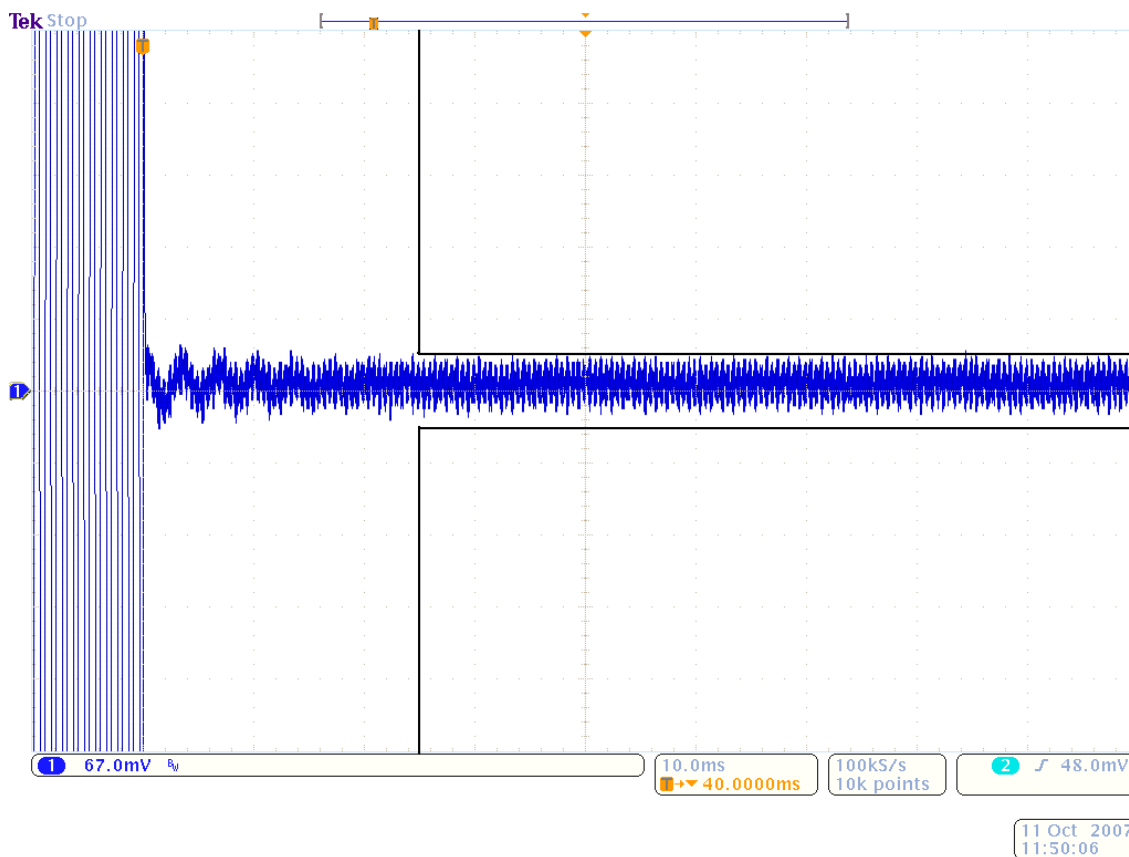


#8 Transmitter Transient Frequency Behavior

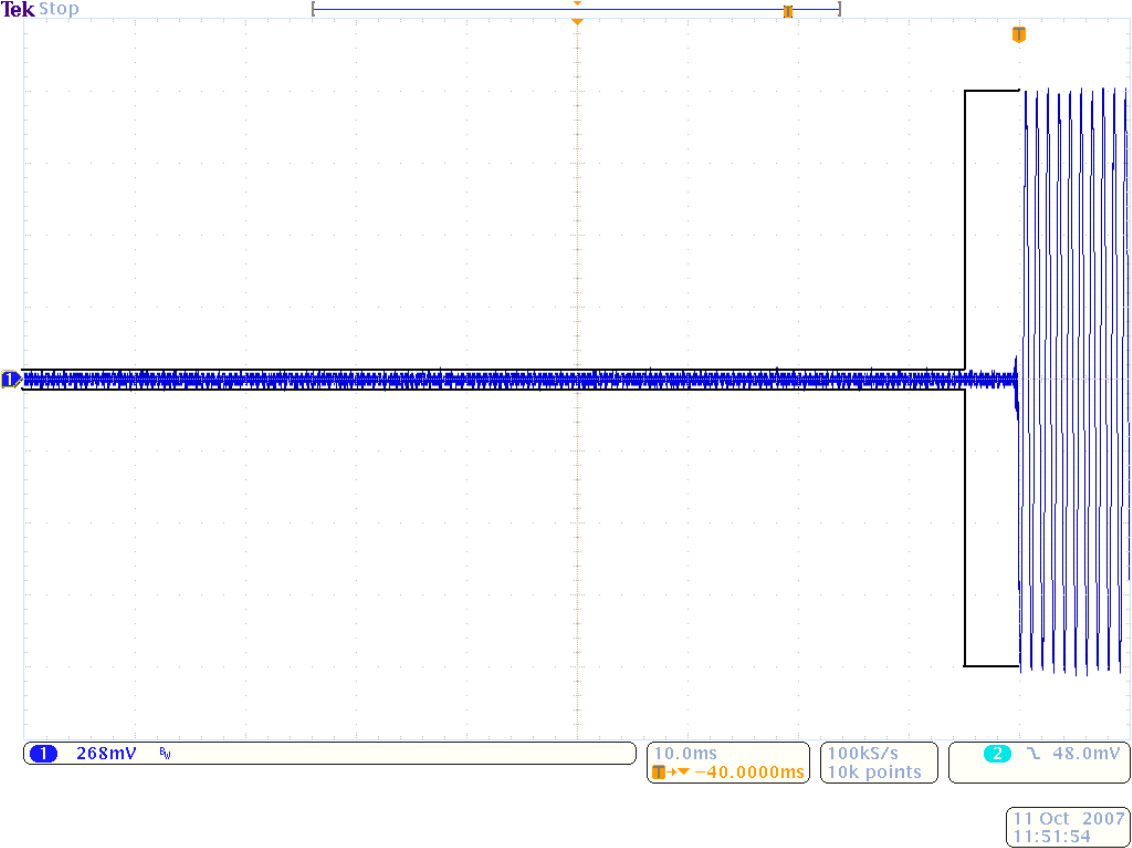
25Khz Channel 153.0MHz TX ON



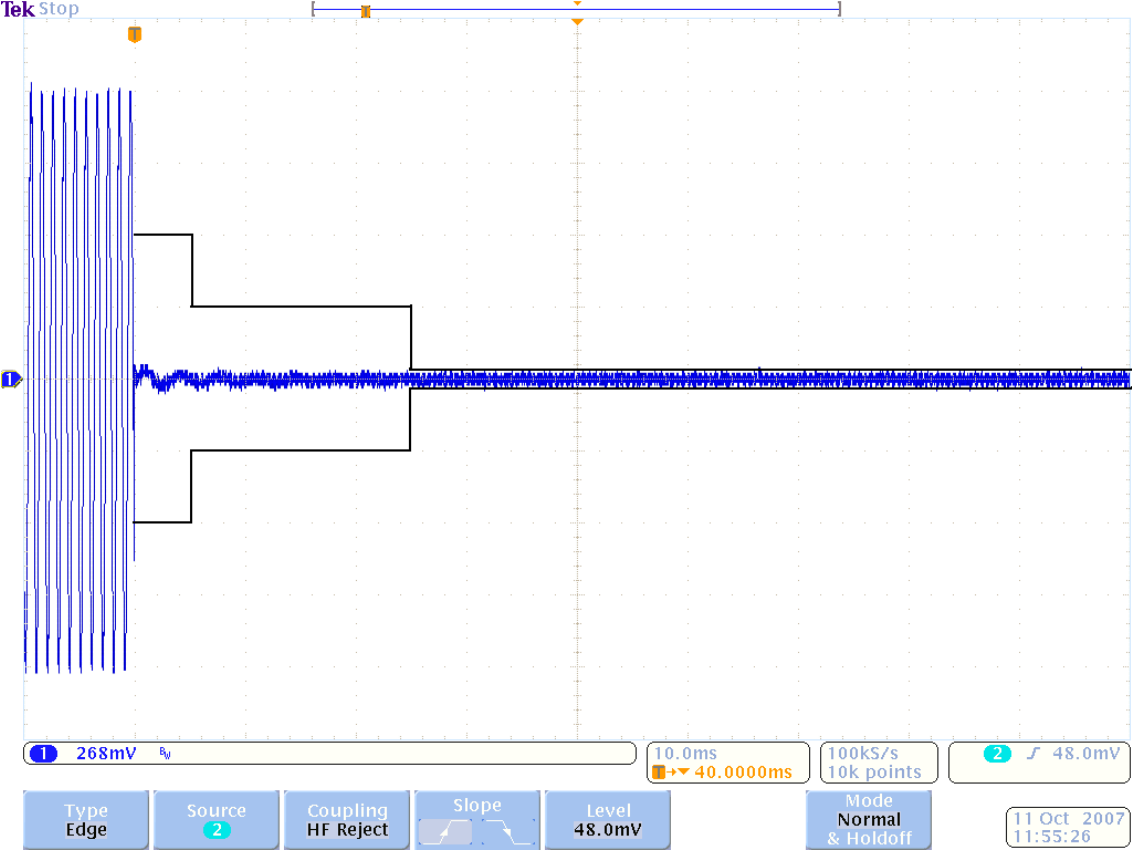
25KHz Channel 153.0MHz TX ON ZOOMED



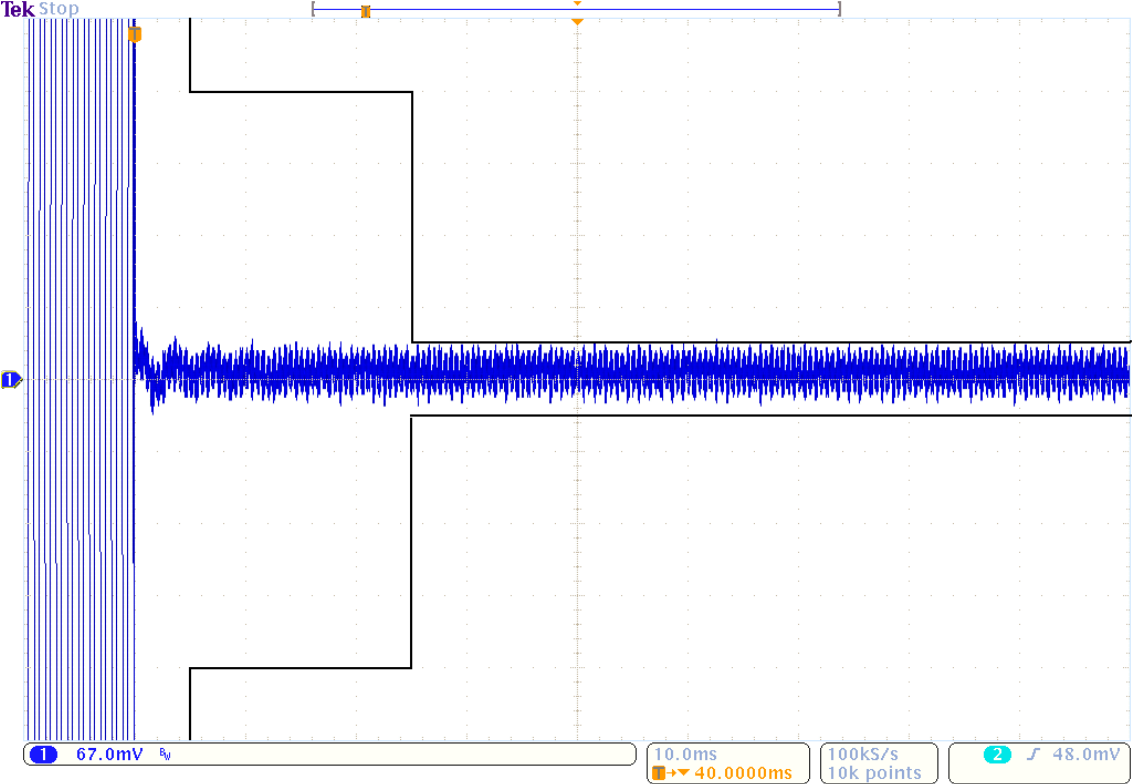
25Khz Channel 153.0MHz TX OFF



12.5Khz Channel 153.0MHz TX ON

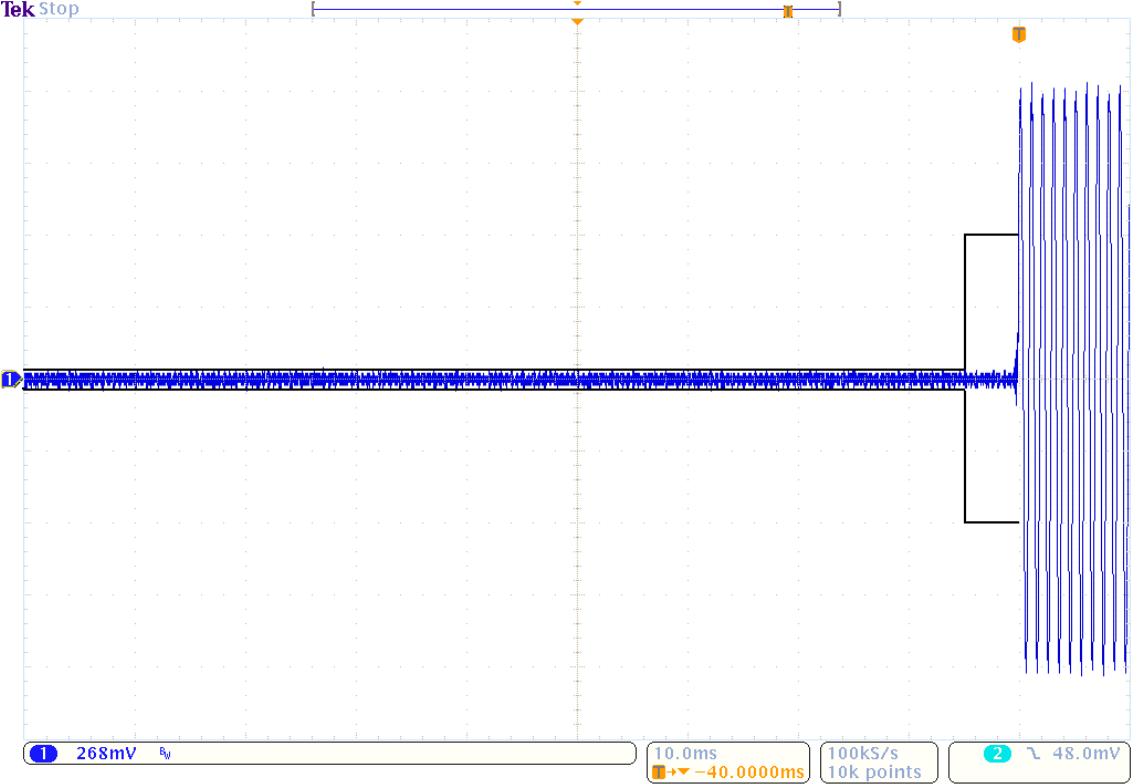


12.5Khz Channel 153.0MHz TX ON ZOOMED



11 Oct 2007
11:56:42

12.5Khz Channel 153.0MHz TX OFF



11 Oct 2007
11:54:05