

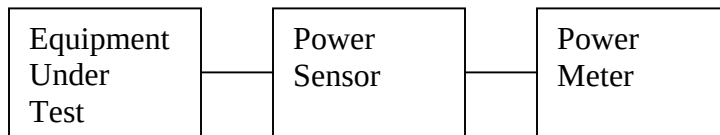
Measured Data

Measurement

1. RF Output Power

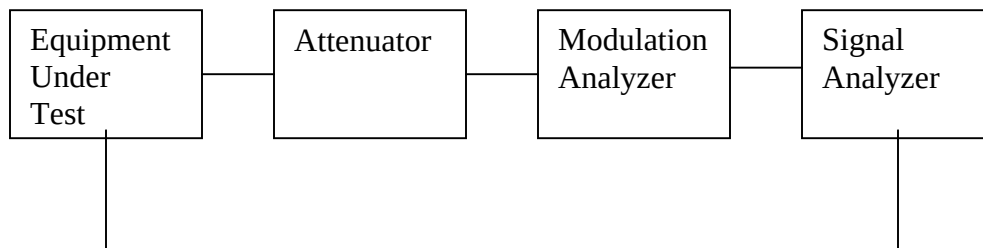
Test Method: TIA/EIA-603-A 2.2.1

Equipment Used: Rohde & Schwarz NRT Power Meter (9-27-08), Rohde & Schwarz NRT-Z14 Power Sensor (04-09-10), Agilent N6705A DC Power Analyzer (11-14-10)

**2. Audio Frequency Response**

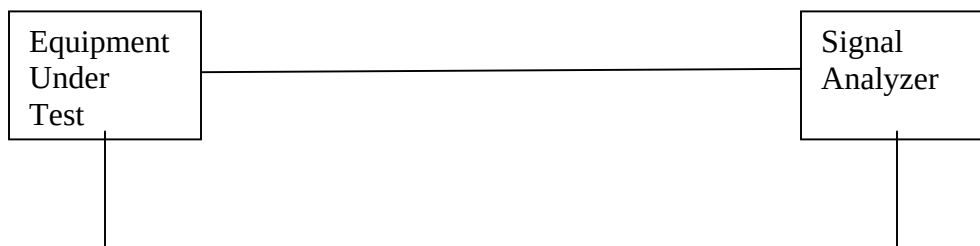
Test Method: TIA/EIA-603-A 2.2.6

Equipment Used: Agilent 8920B RF Communication Test Set Modulation Analyzer (02-19-09), Hewlett Packard 35670A Signal Analyzer (09-19-08). No filters were used on the modulation analyzer.

**3. Low Pass Filter Response**

Test Method: TIA/EIA-603-A 2.2.15

Equipment Used: Hewlett Packard 35670A Signal Analyzer(09-19-08)



4. Occupied Bandwidth /Emission Mask

No Modulation

16K0F3E

11K0F3E

8K10F1E

8K10F1D

Test Method: TIA/EIA-603-A 2.2.11

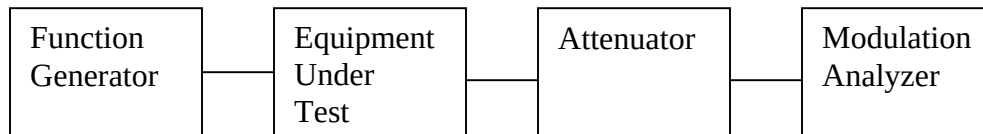
Equipment Used: Rohde & Schwarz FSP Spectrum Analyzer (04-08-09)

**5. Modulation Limiting**

Test Method: TIA/EIA-603-A 2.2.3

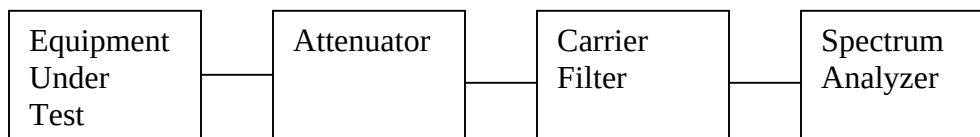
Equipment Used: Agilent 8920B RF Communication Test Set Modulation Analyzer (02-19-09),

Agilent 8920B RF Communication Test Set Function Generator (02-19-09)

**6. Conducted Spurious Emissions**

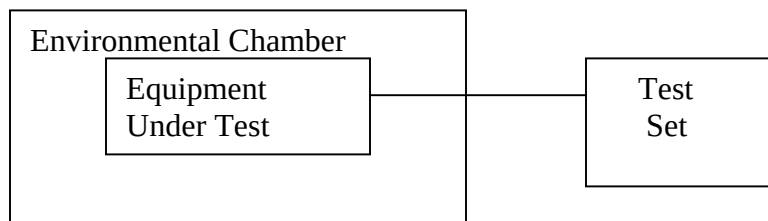
Test Method: TIA/EIA-603-A 2.2.13

Equipment Used: Hewlett Packard 8561E Spectrum Analyzer (03-12-10)

**7. Frequency Stability**

Test Method: TIA/EIA-603-A 2.2.2

Equipment Used: Agilent 8920B RF Communication Test Set (02-19-09)

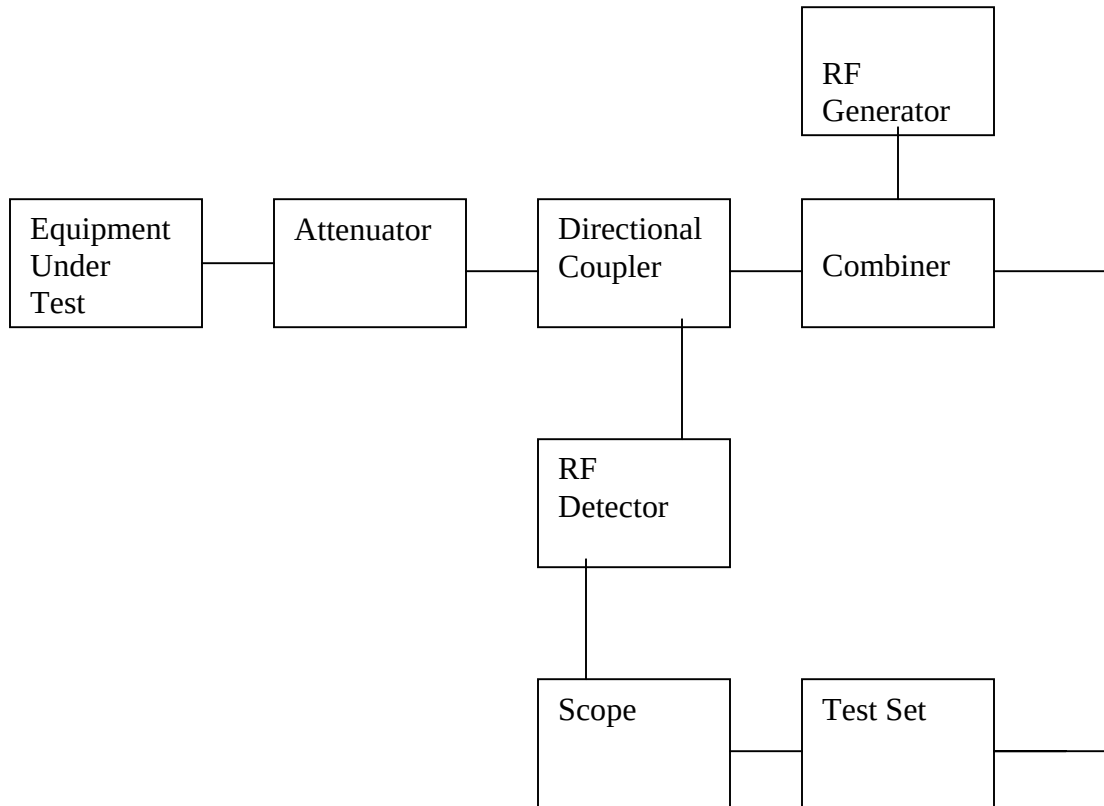


8. Transient Frequency Behavior

Test Method: TIA/EIA-603-A 2.2.19.3

Equipment Used: Agilent 8920B RF Communication Test Set (02-19-09), Tektronix DPO4104

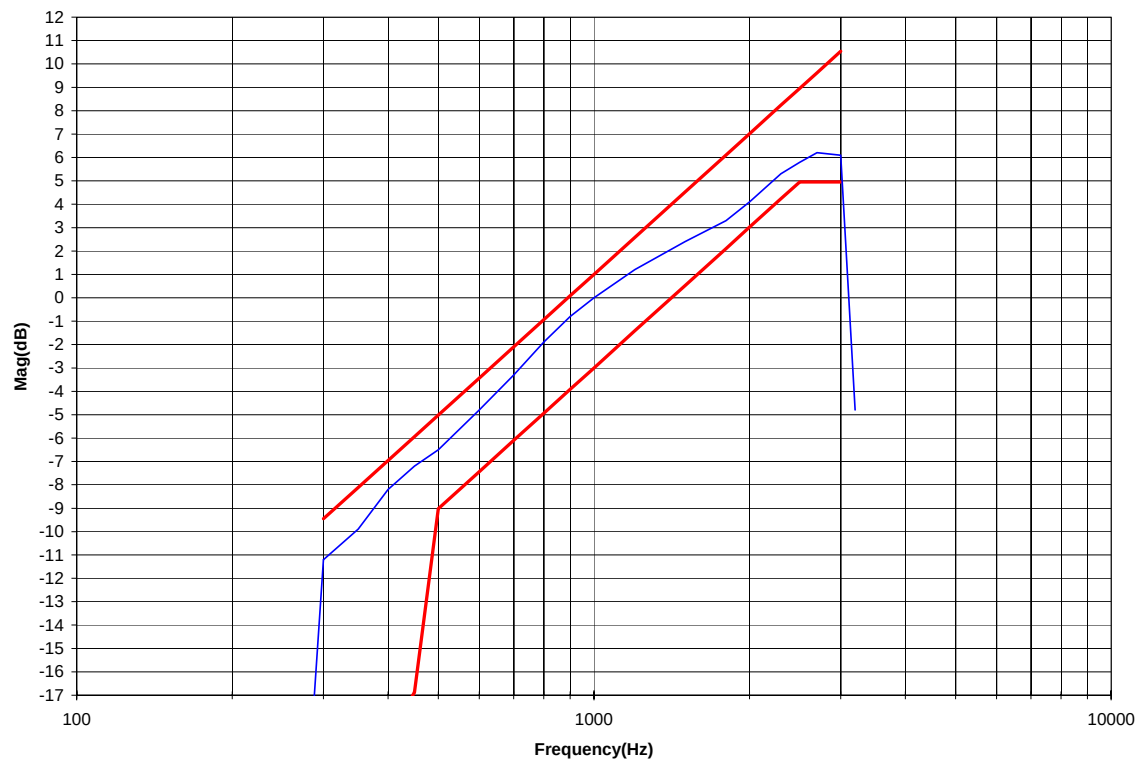
Scope (11-26-08), Rohde & Schwarz SMB100A Signal generator (09-13-10)

**#1 RF Output Power**

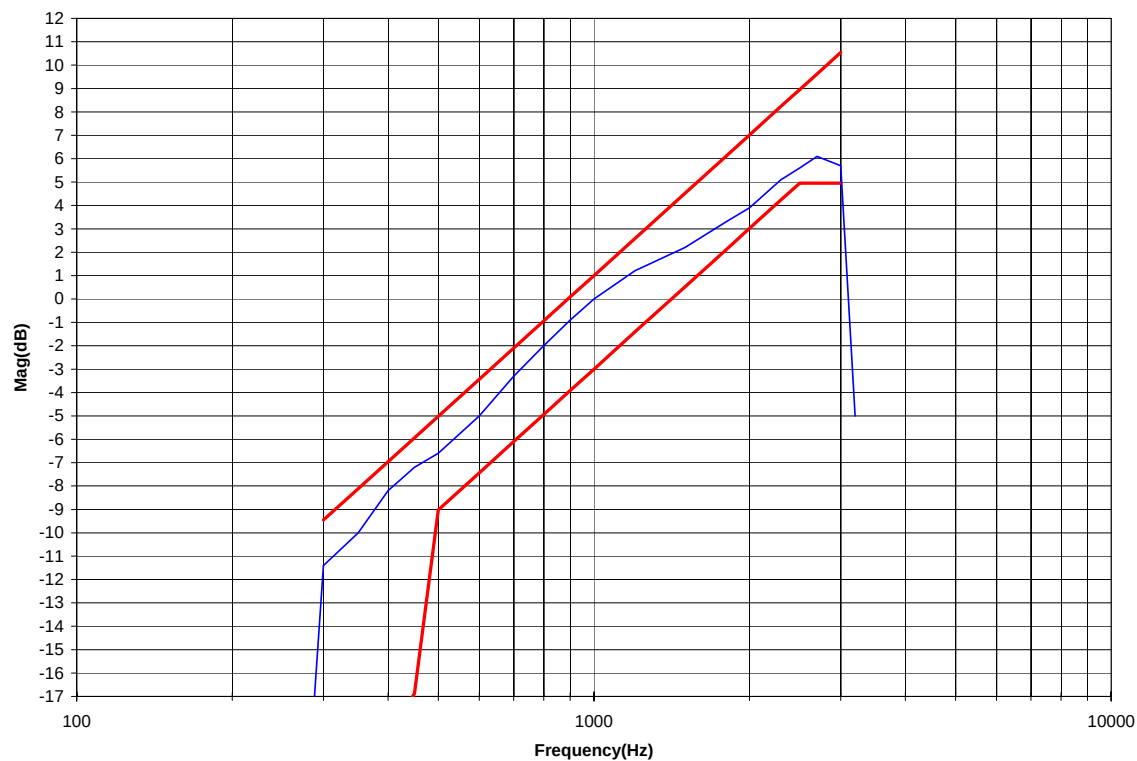
Frequency	Power	Voltage	Current(PA Device)
380.0	6.1W	10.8V	1.799A
410.0	6.15W	10.8V	1.342A
425.0	6.3W	10.8V	1.318A
440.0	6.15W	10.8V	1.402A
470.0	6.15W	10.8V	1.812A

#2 Audio Frequency Response

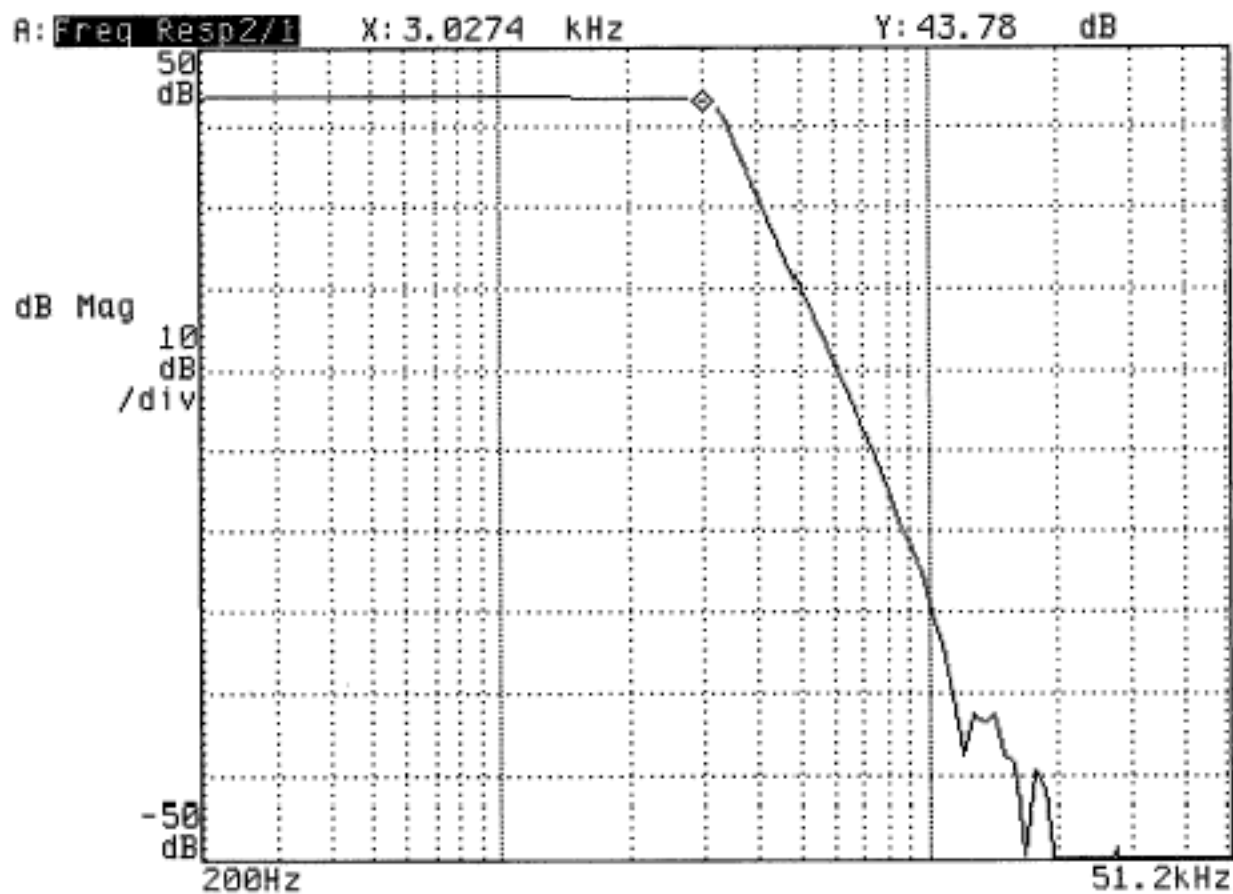
25KHz TX Audio Response 425MHz



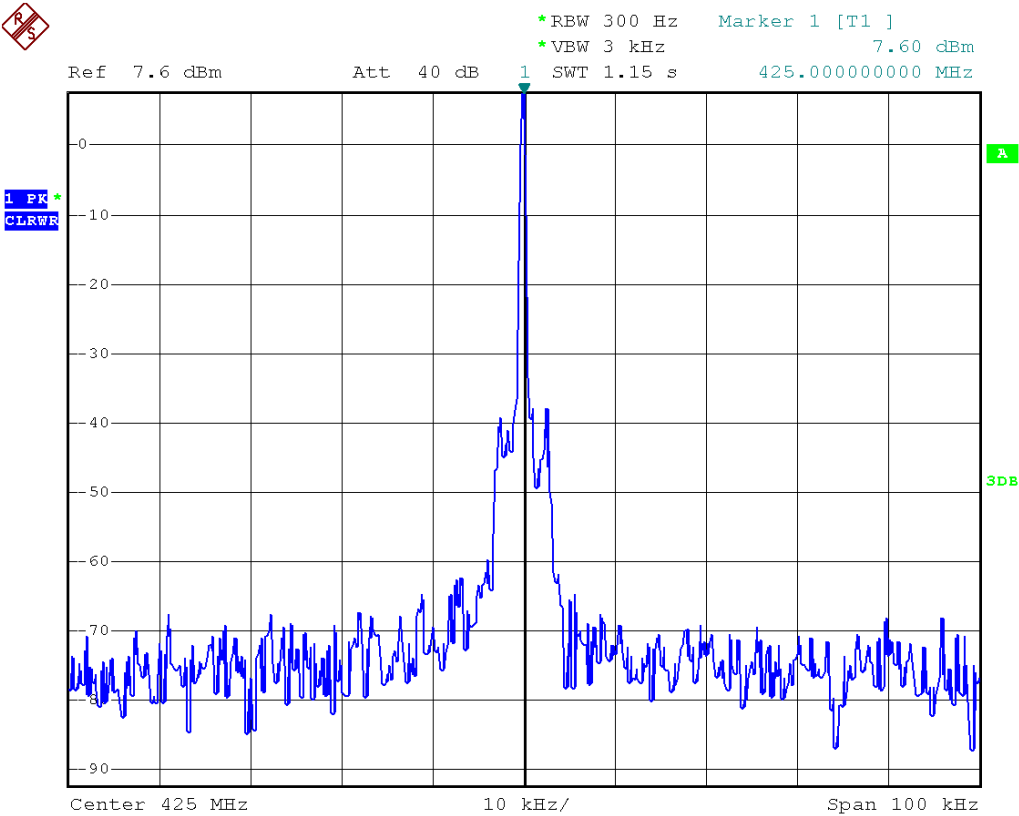
12.5KHz TX Audio Response 425MHz



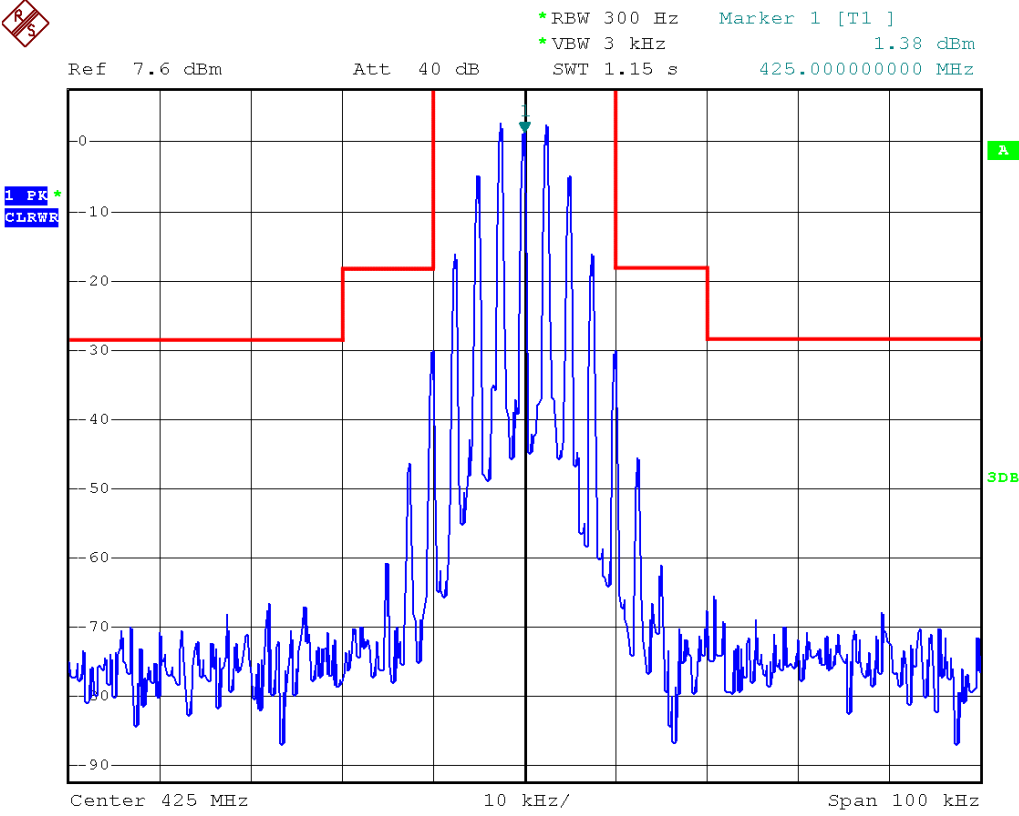
#3 Low Pass Filter Response



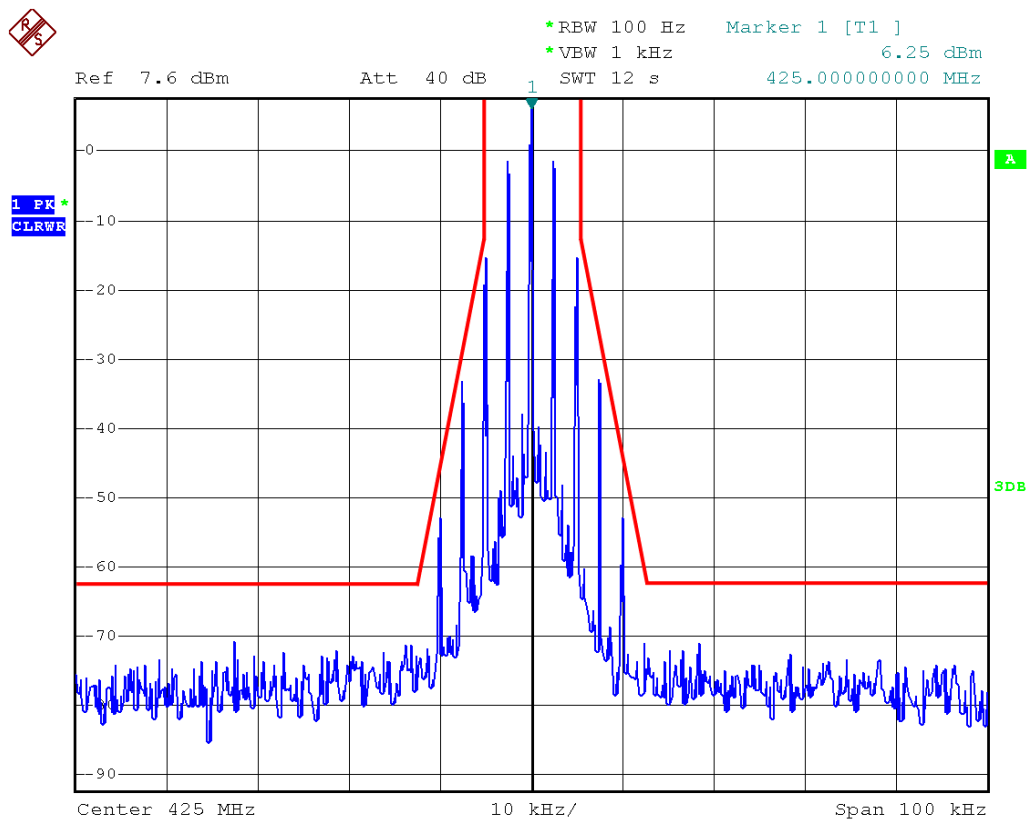
#4 Occupied Bandwidth No Modulation



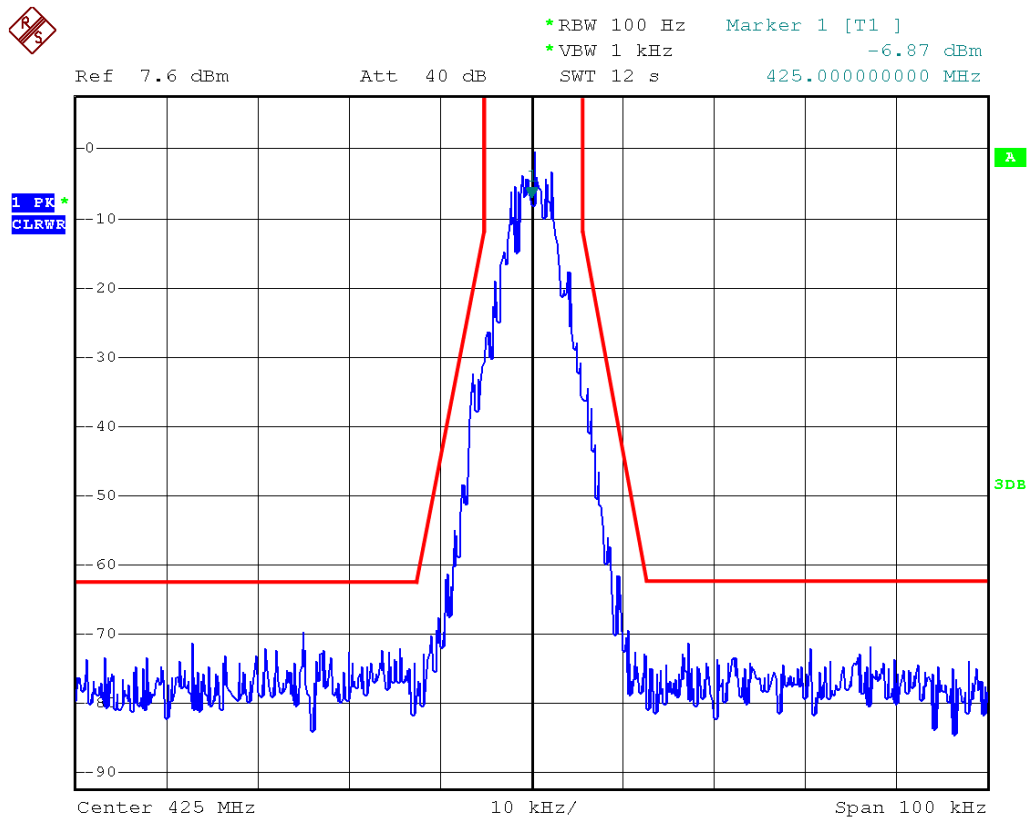
#4 Occupied Bandwidth Analog Voice 16K0F3E Mask B



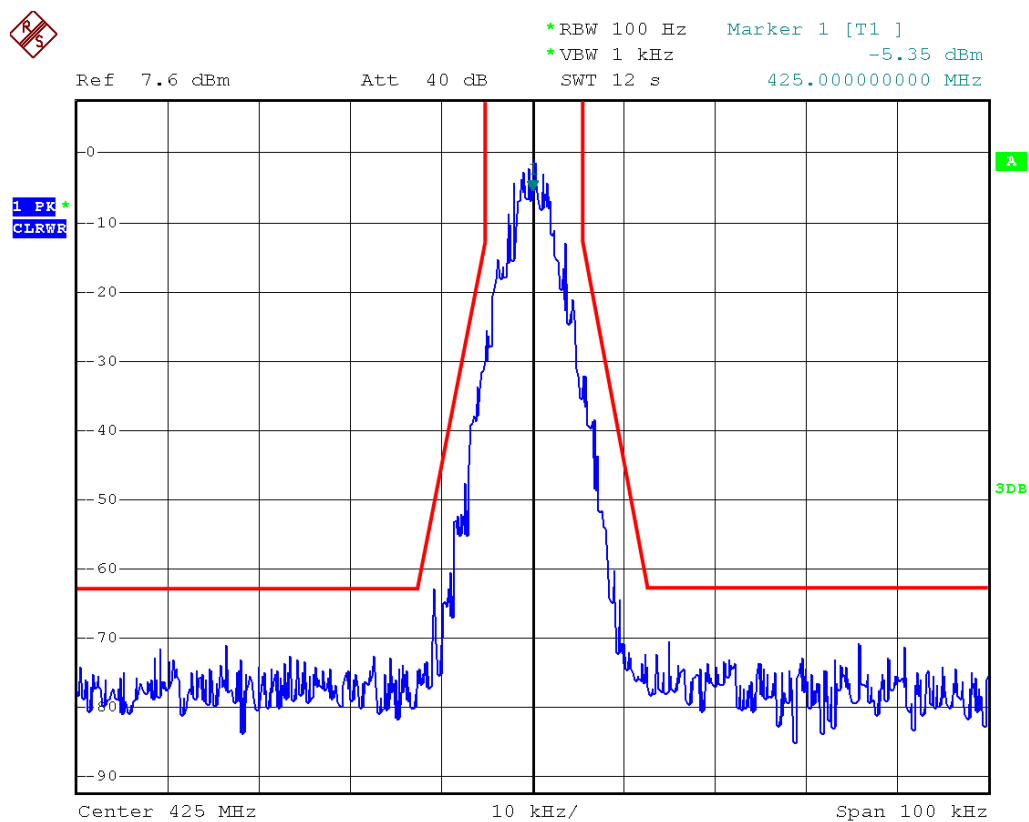
#4 Occupied Bandwidth Analog Voice 11K0F3E Mask D



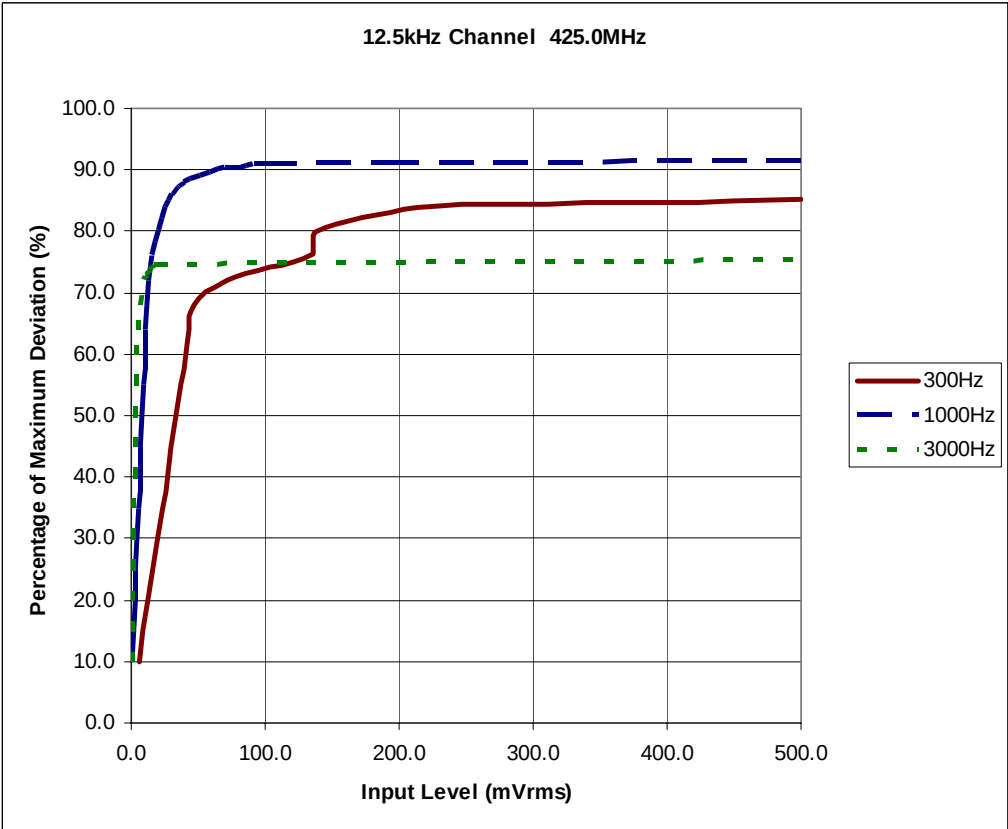
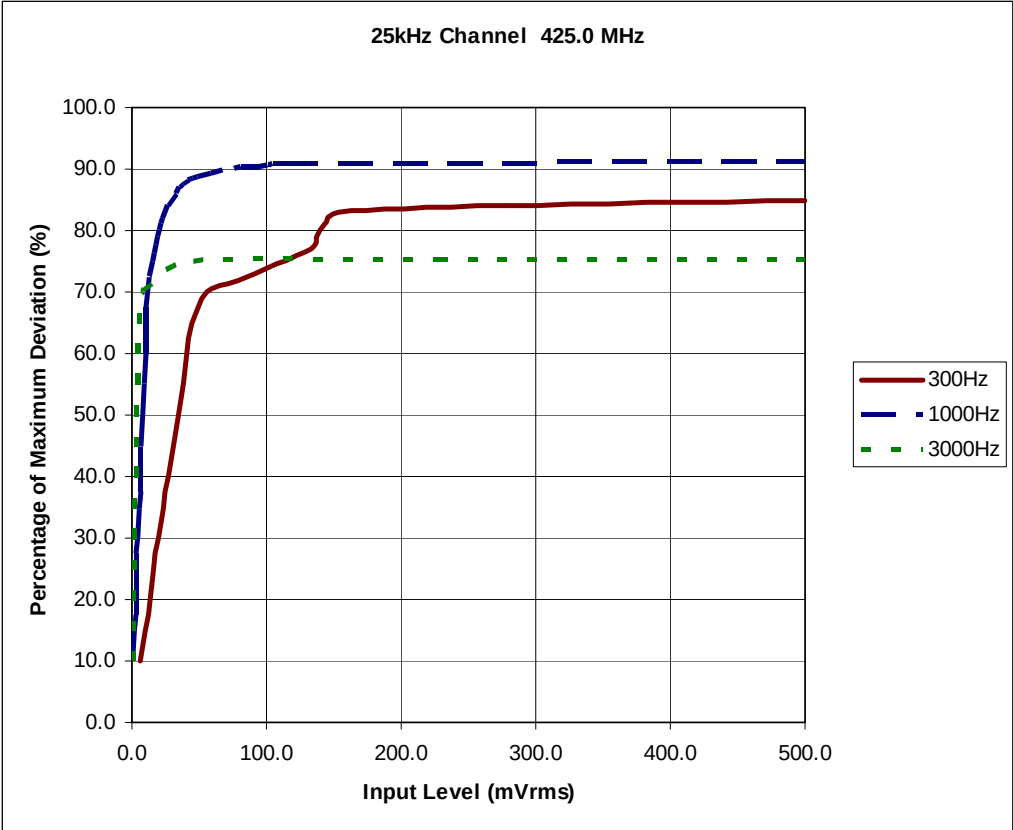
#4 Occupied Bandwidth Digital Voice 8K10F1E Mask D



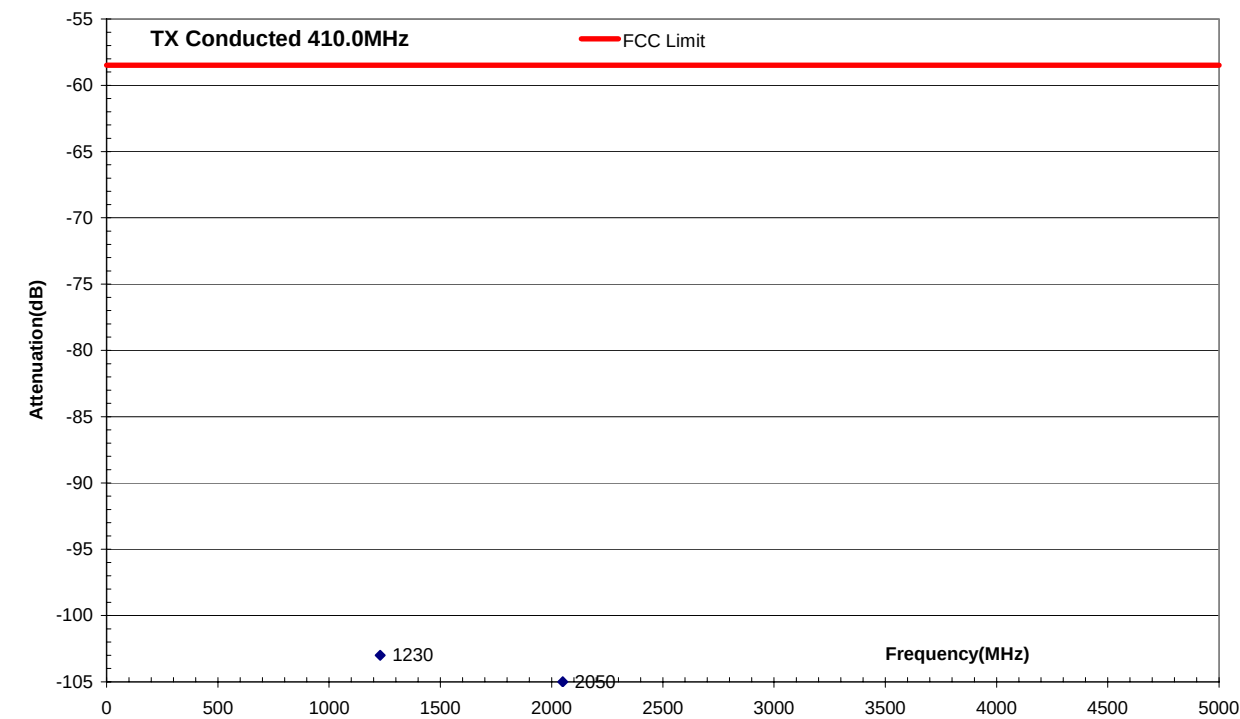
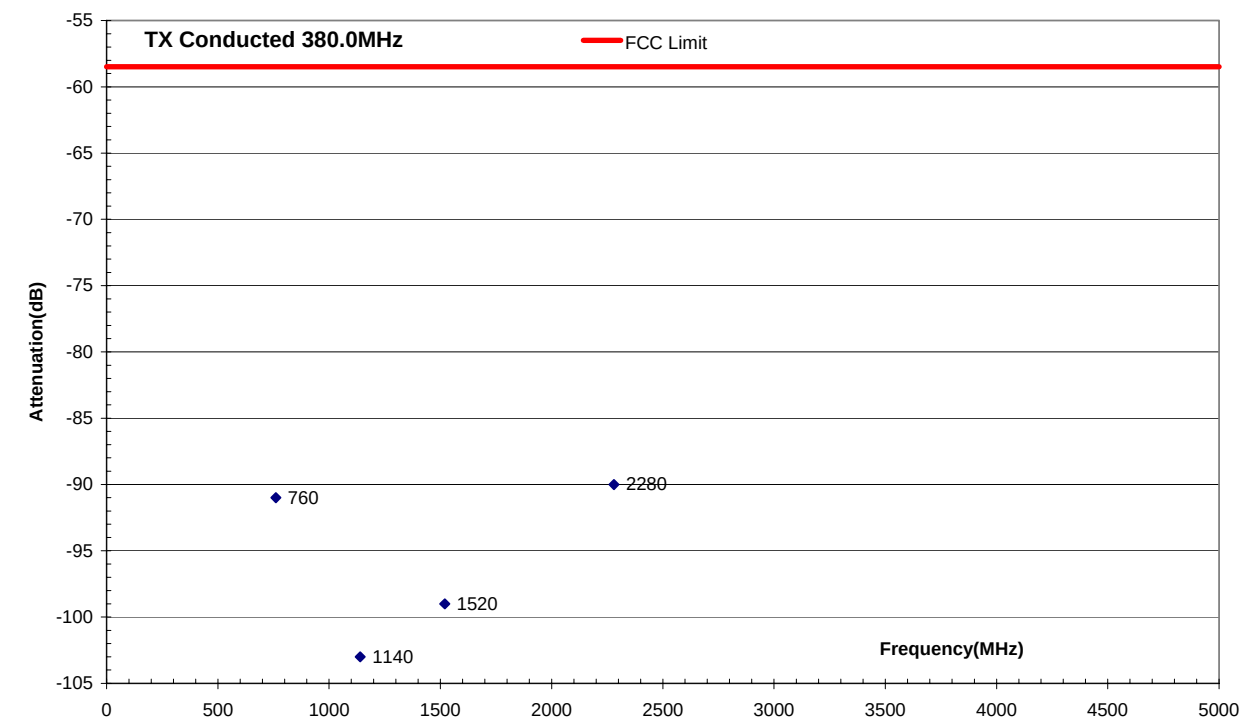
#4 Occupied Bandwidth Digital Data 8K10F1D Mask D

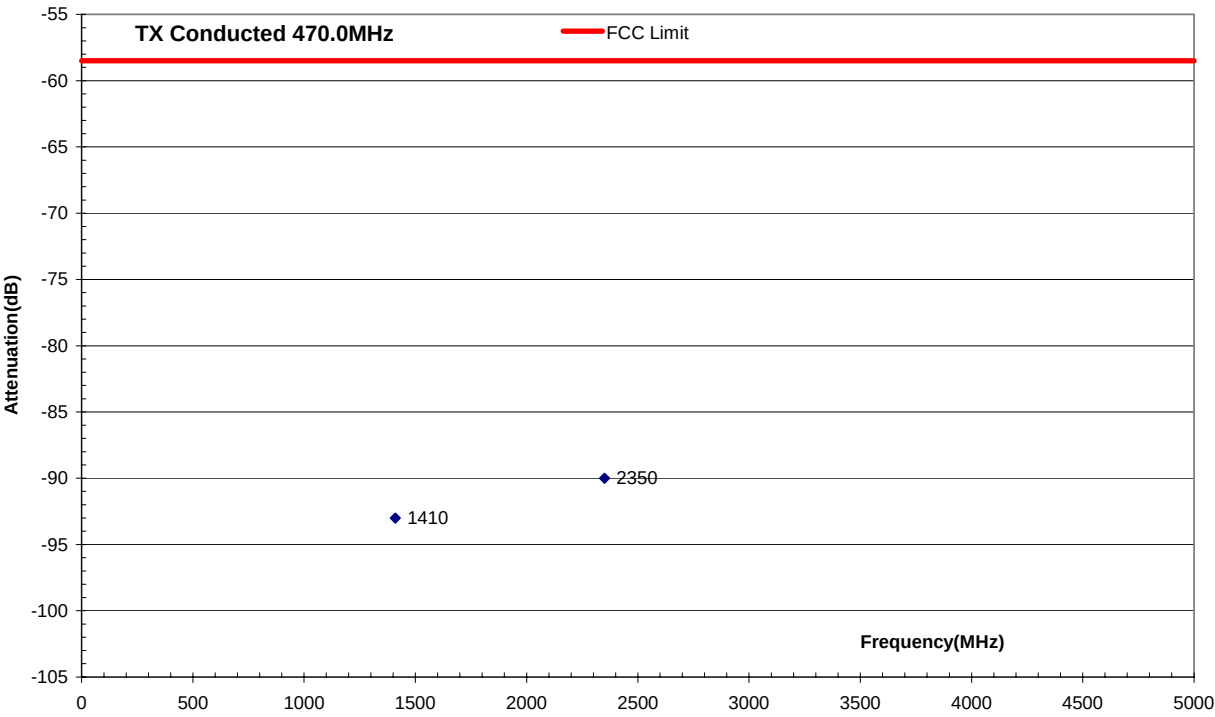
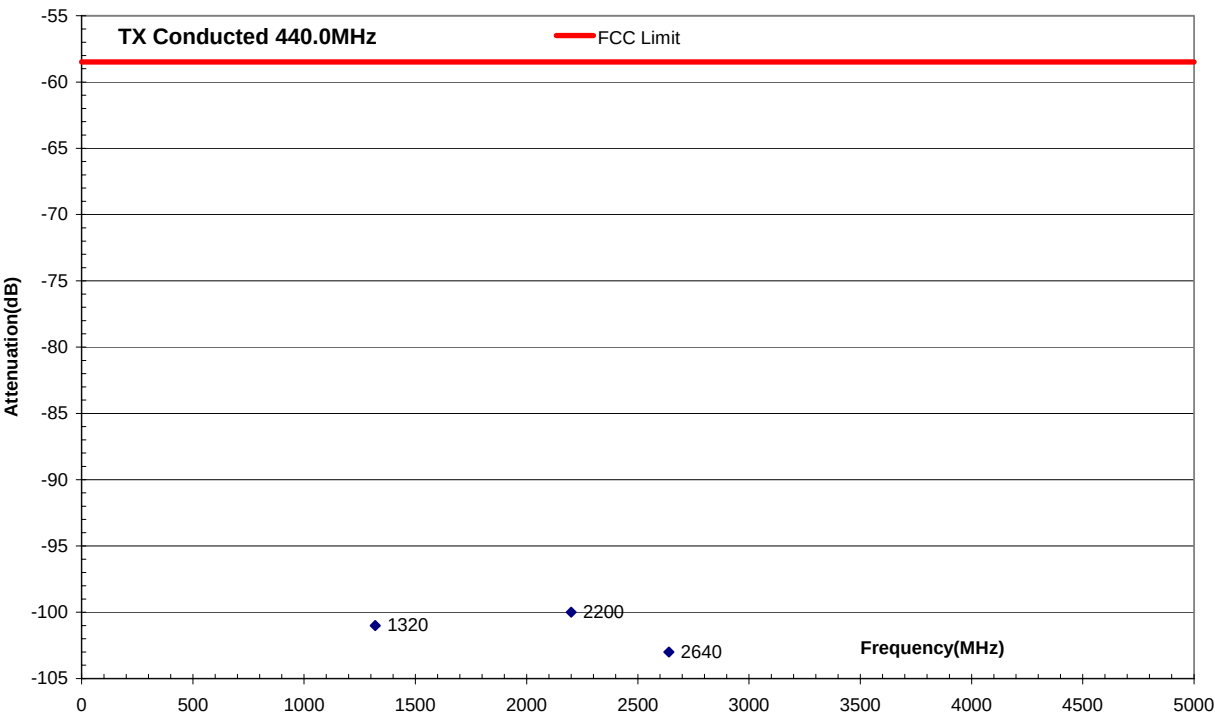


#5 Modulation Limiting



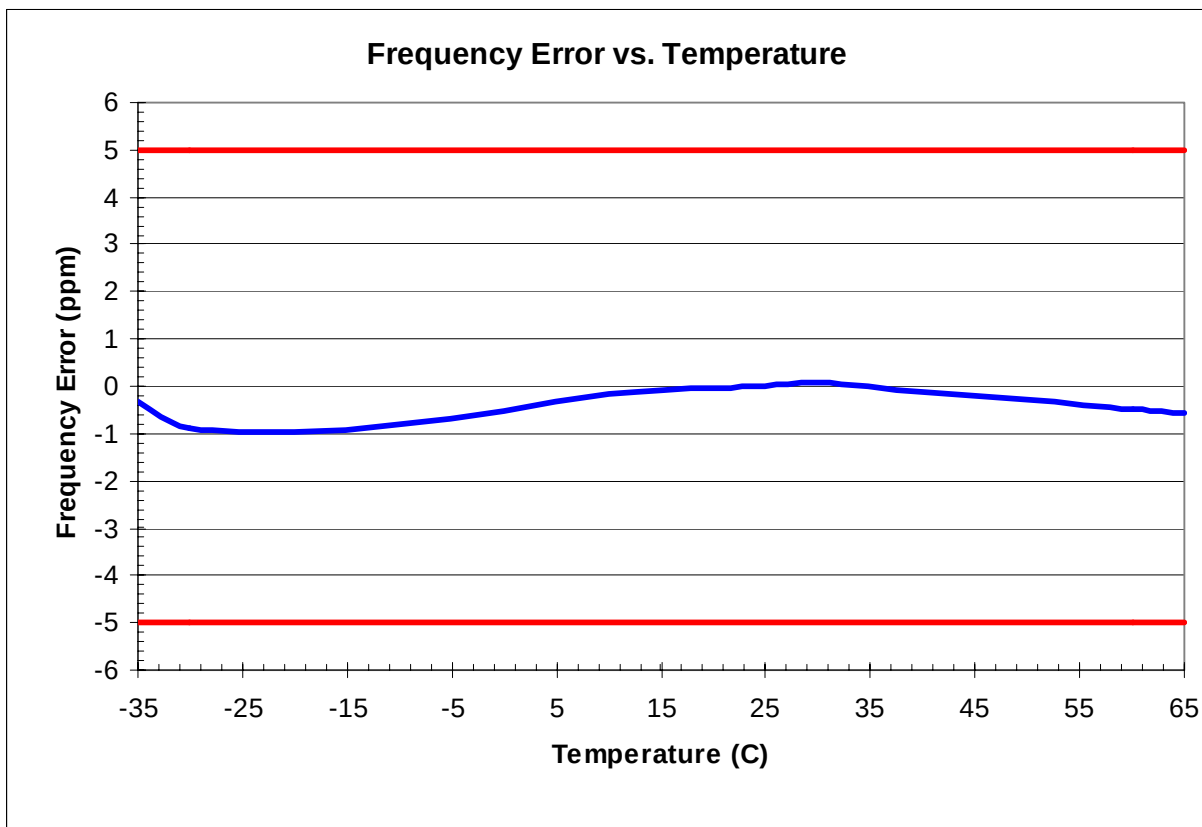
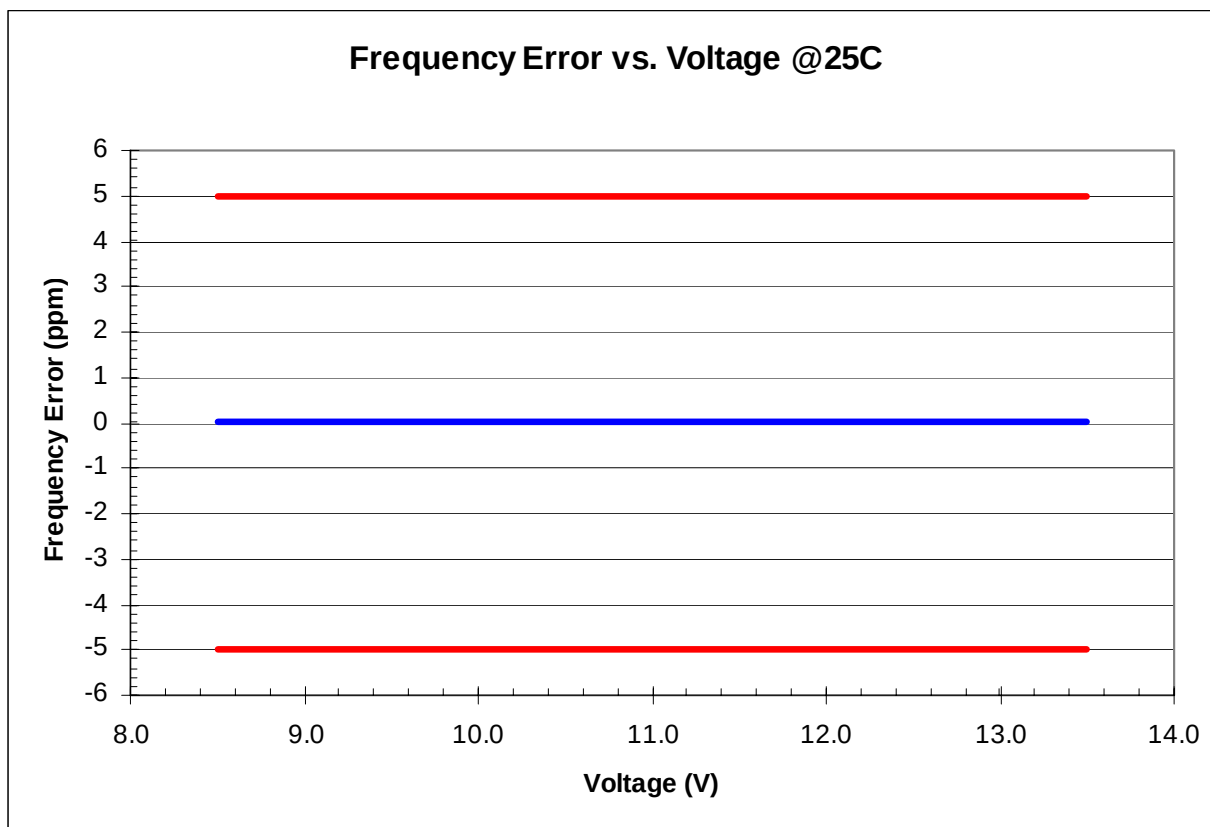
#6 Conducted Spurious Emissions





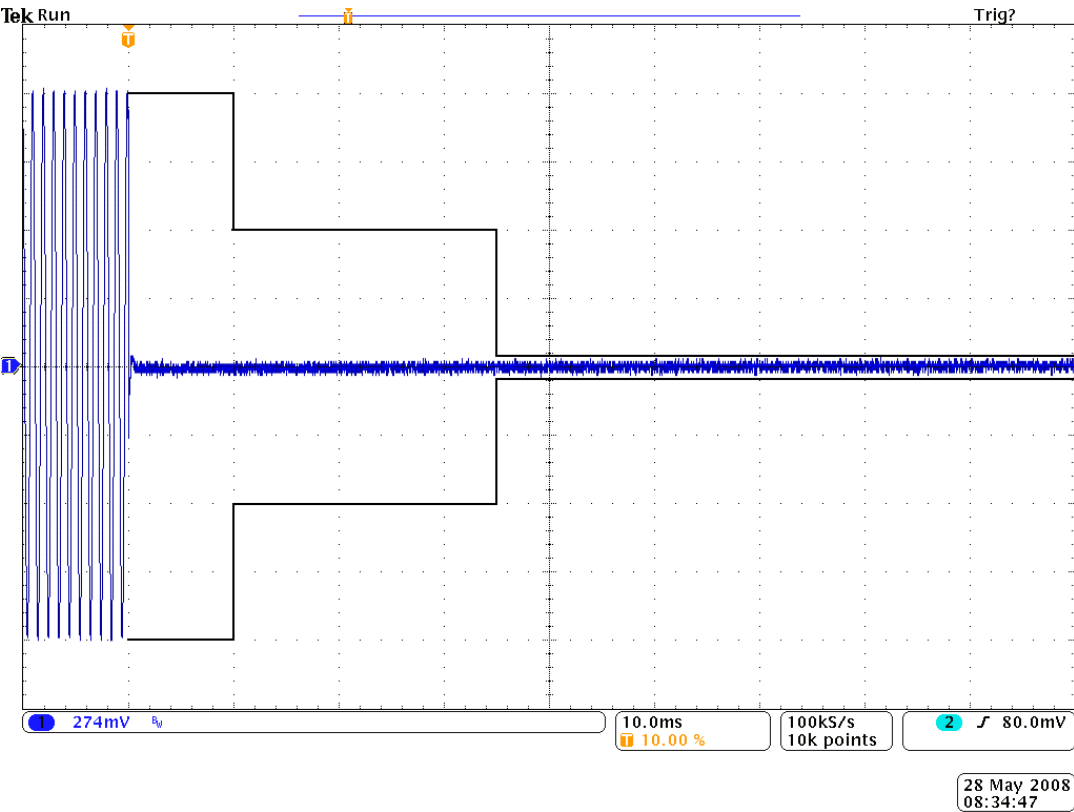
#7 Frequency Stability

Channel Frequency 425 MHz

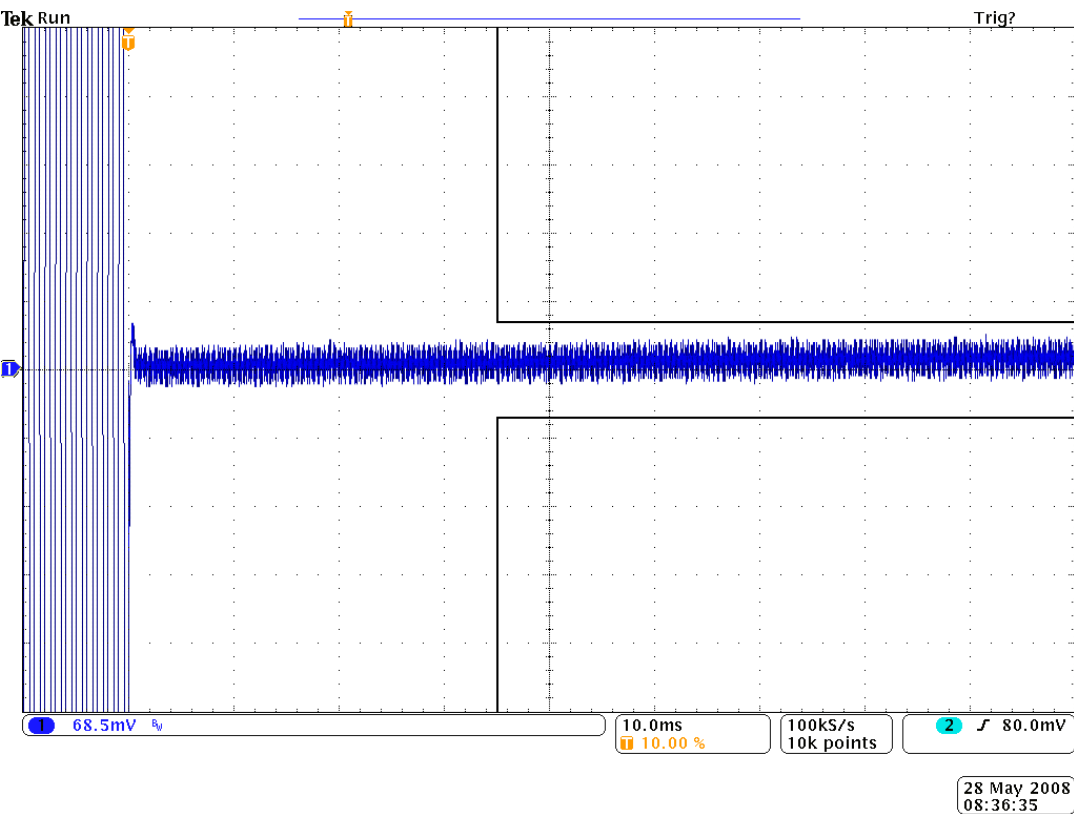


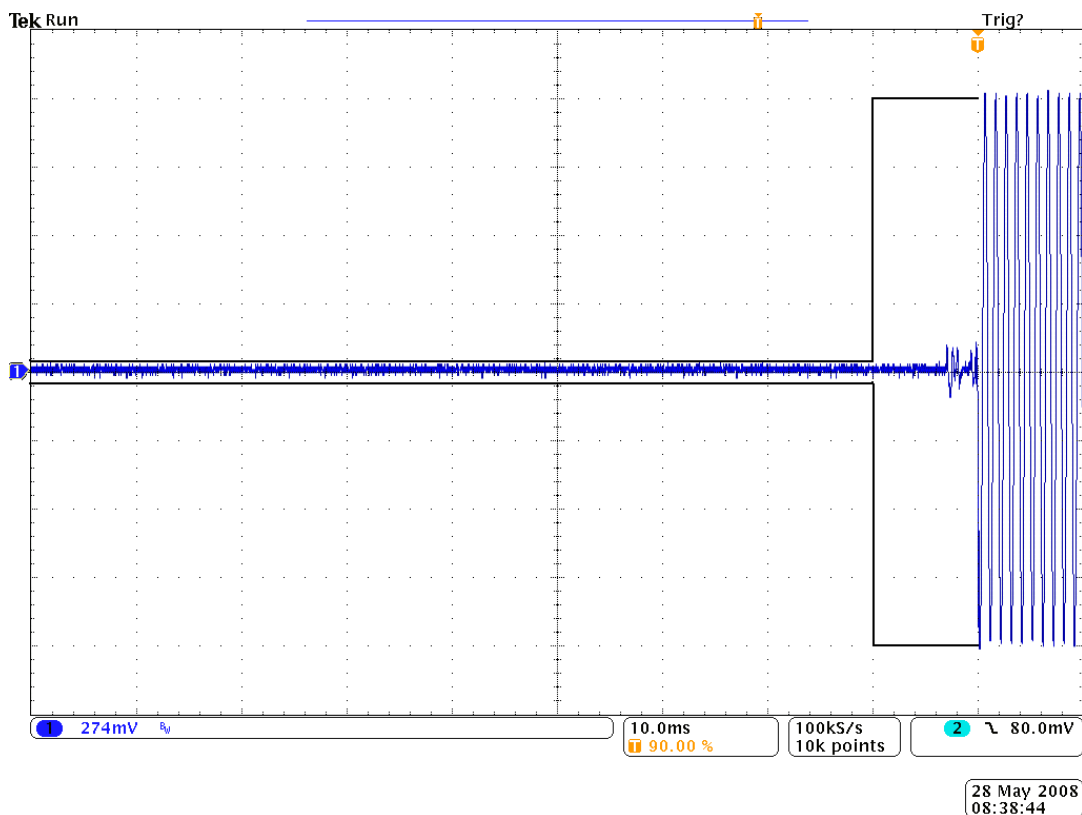
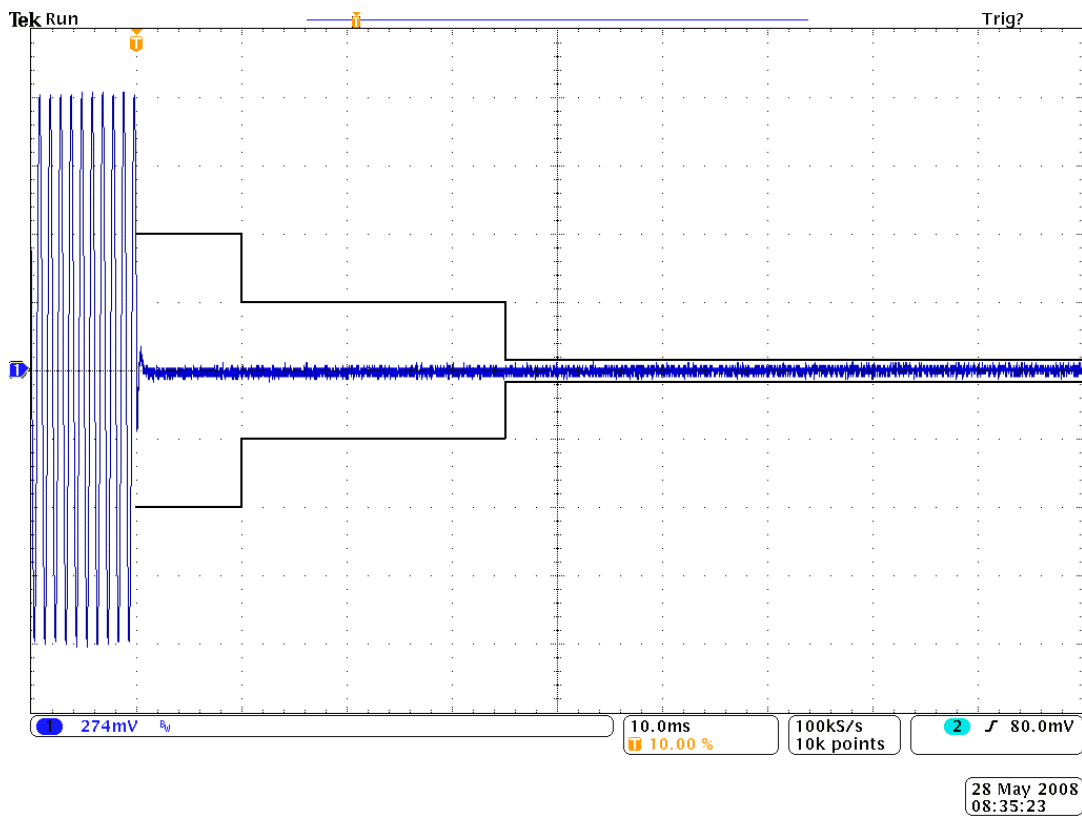
#8 Transmitter Transient Frequency Behavior

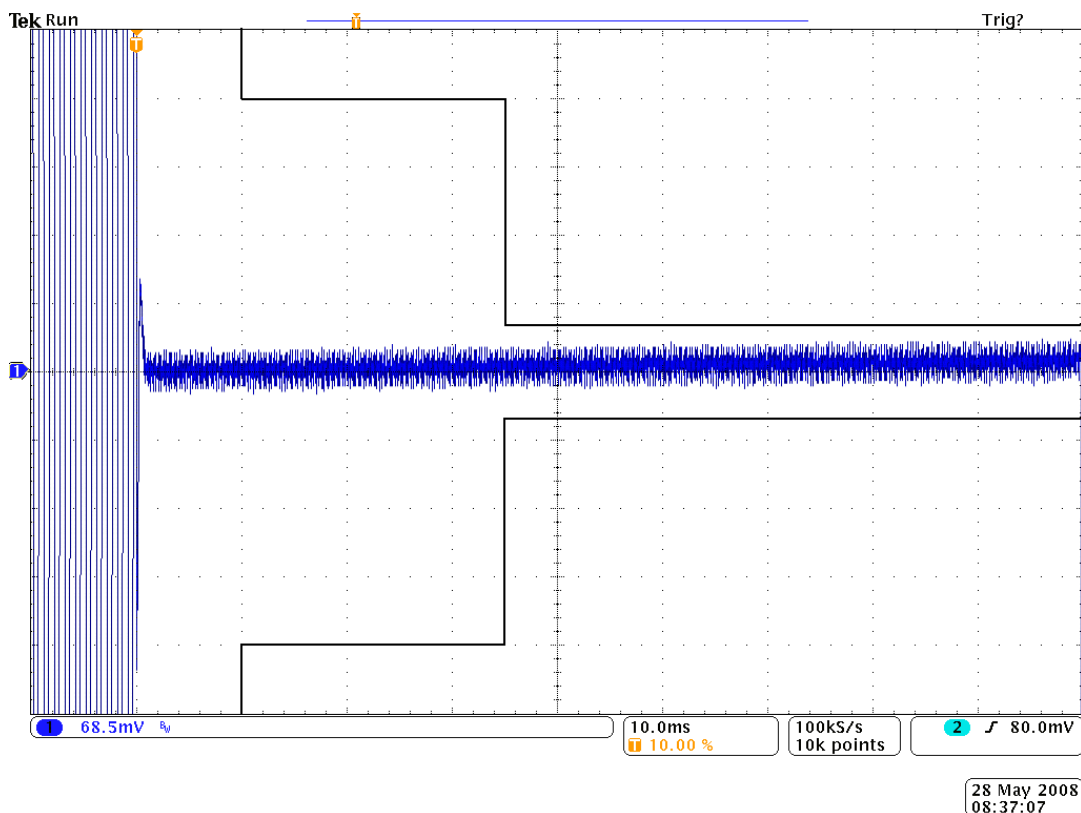
25Khz Channel 425.0MHz TX ON



25KHz Channel 425.0MHz TX ON ZOOMED



25Khz Channel 425.0MHz TX OFF**12.5Khz Channel 425.0MHz TX ON**

12.5Khz Channel 425.0MHz TX ON ZOOMED**12.5Khz Channel 425.0MHz TX OFF**