

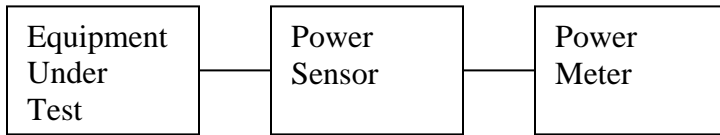
**Measured Data**

Measurement

1. **RF Output Power**

Test Method: TIA/EIA-603-A 2.2.1

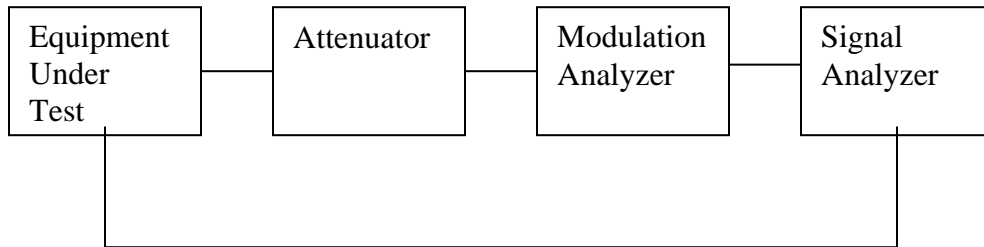
Equipment Used: Rohde & Schwarz NRT Power Meter (04-18-10), Rohde & Schwarz NRT-Z14 Power Sensor (04-09-10), Agilent N6705A DC Power Analyzer (11-12-10)



2. **Audio Frequency Response**

Test Method: TIA/EIA-603-A 2.2.6

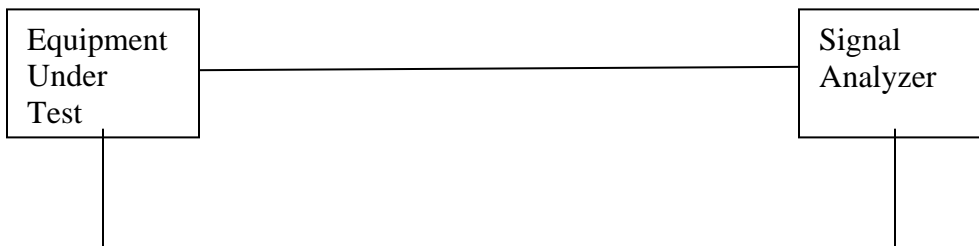
Equipment Used: Agilent 8920B RF Communication Test Set Modulation Analyzer (02-19-09), Hewlett Packard 35670A Signal Analyzer (02-02-10). No filters were used on the modulation analyzer.



3. **Low Pass Filter Response**

Test Method: TIA/EIA-603-A 2.2.15

Equipment Used: Hewlett Packard 35670A Signal Analyzer(02-02-10)

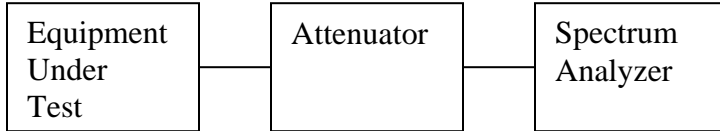


4. **Occupied Bandwidth /Emission Mask**

No Modulation  
16K0F3E  
11K0F3E  
8K10F1E  
8K10F1D

Test Method: TIA/EIA-603-A 2.2.11

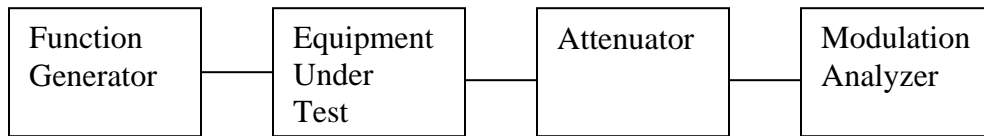
Equipment Used: Rohde & Schwarz FSP Spectrum Analyzer (04-08-09)



5. **Modulation Limiting**

Test Method: TIA/EIA-603-A 2.2.3

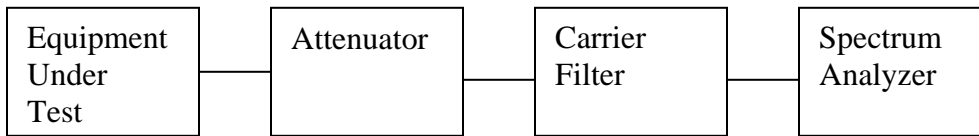
Equipment Used: Agilent 8920B RF Communication Test Set Modulation Analyzer (02-19-09),  
Agilent 8920B RF Communication Test Set Function Generator (02-19-09)



6. **Conducted Spurious Emissions**

Test Method: TIA/EIA-603-A 2.2.13

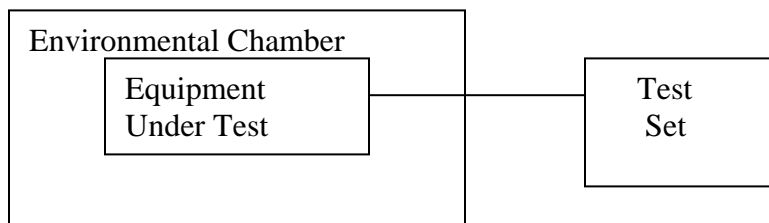
Equipment Used: Tektronix RSA 3308A Real-time Spectrum Analyzer (06-13-09)



7. **Frequency Stability**

Test Method: TIA/EIA-603-A 2.2.2

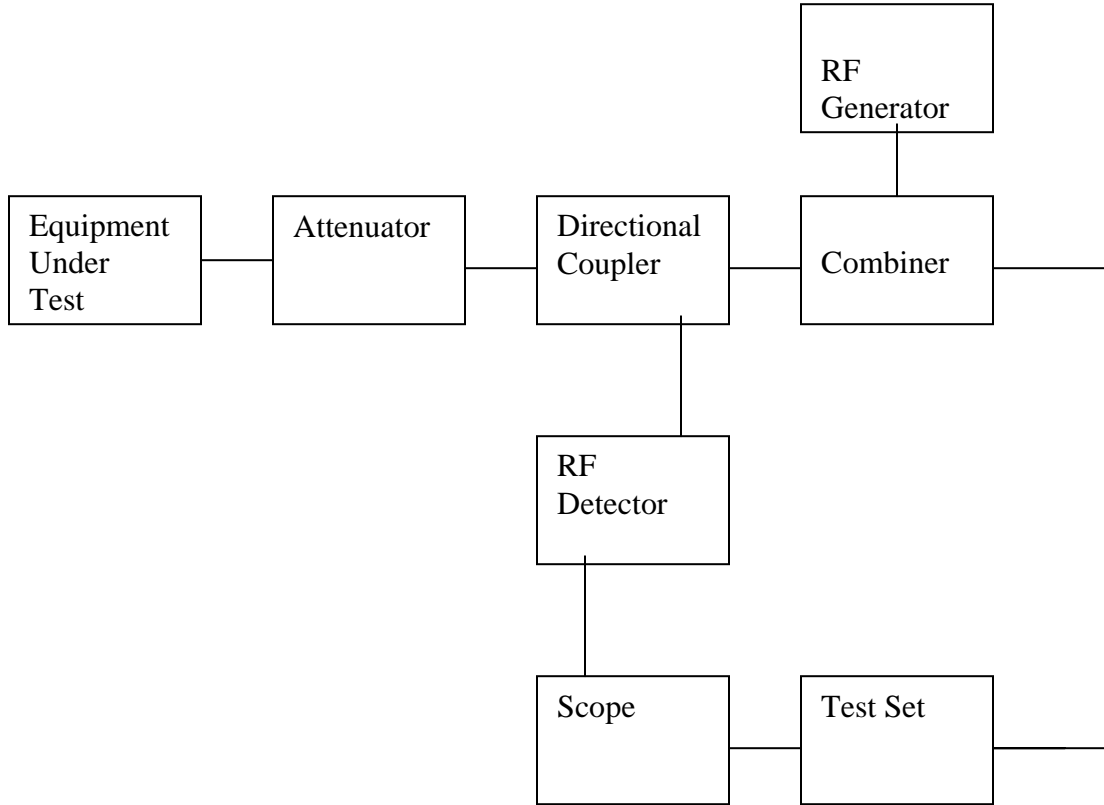
Equipment Used: Agilent 8920B RF Communication Test Set (02-19-09)



**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 MSO4104 Scope (11-20-11), Rohde & Schwarz SMB100A Signal generator (09-14-10)

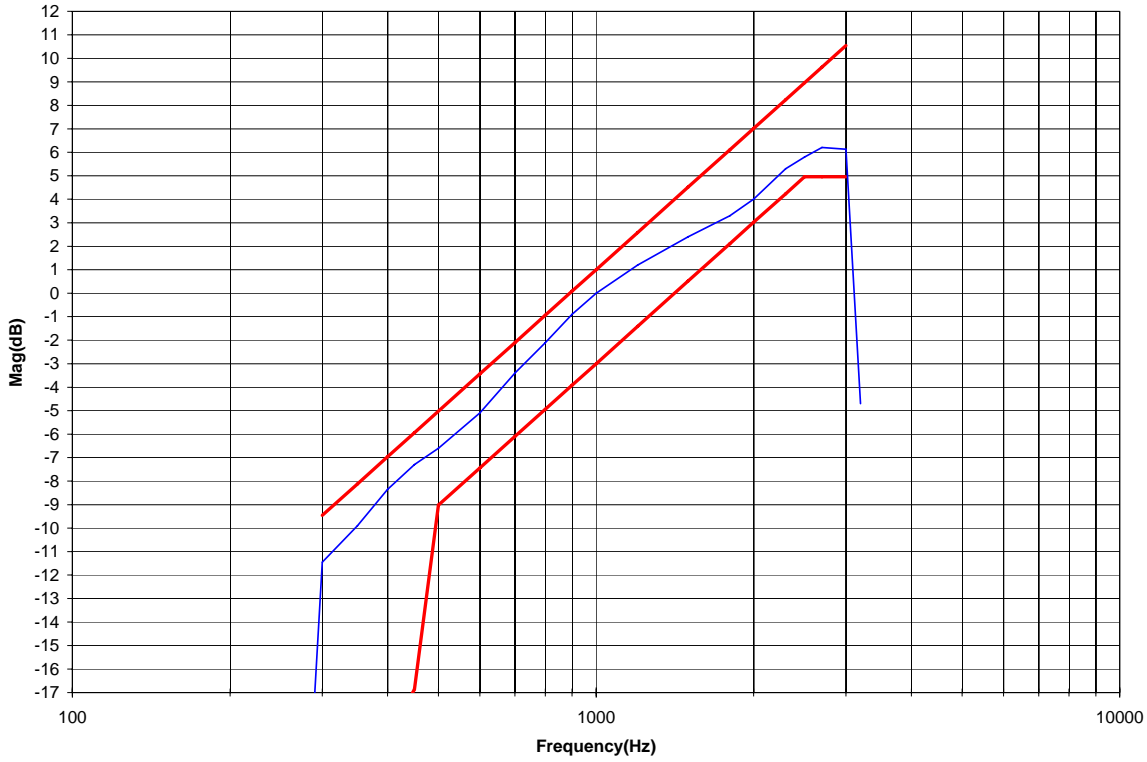


**#1 RF Output Power**

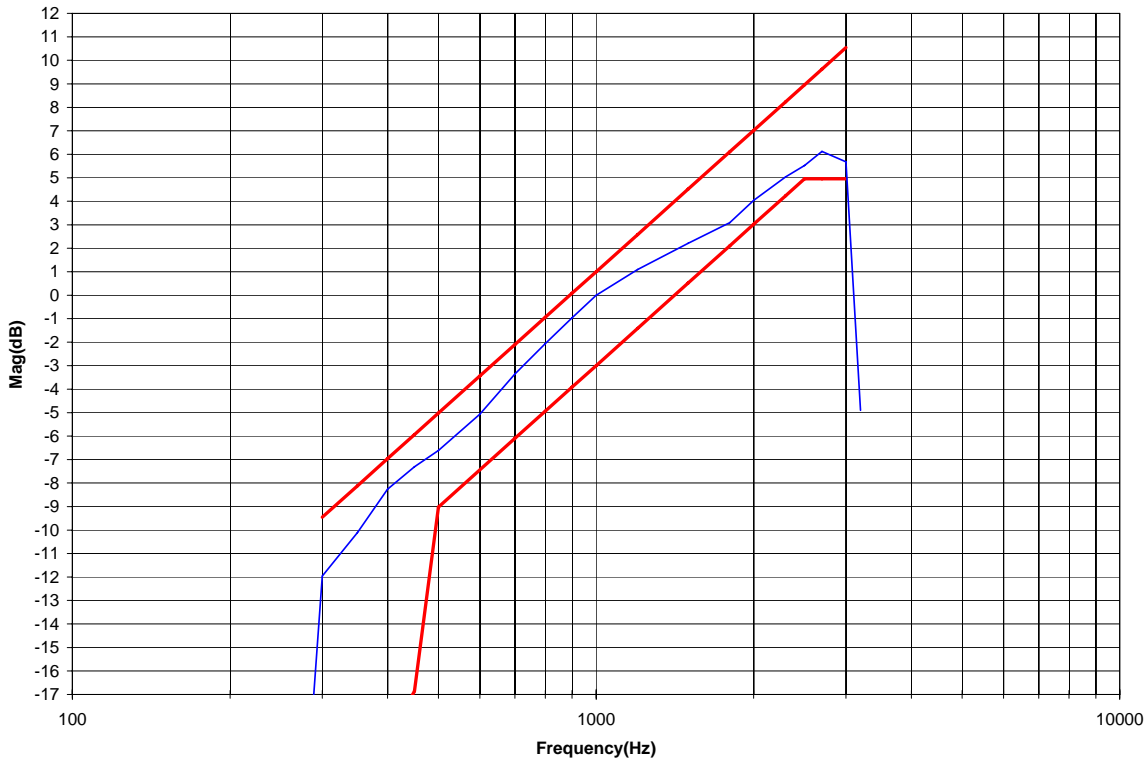
Frequency (MHz)	Power (Watts)	Voltage (Volts)	Current (PA Device) (Amperes)
440.0	5.7W	12.6V	1.458
467.0	5.7W	12.6V	1.348
480.0	5.7W	12.6V	1.358
493.0	5.7W	12.6V	1.388
520.0	5.7W	12.6V	1.438

### #2 Audio Frequency Response

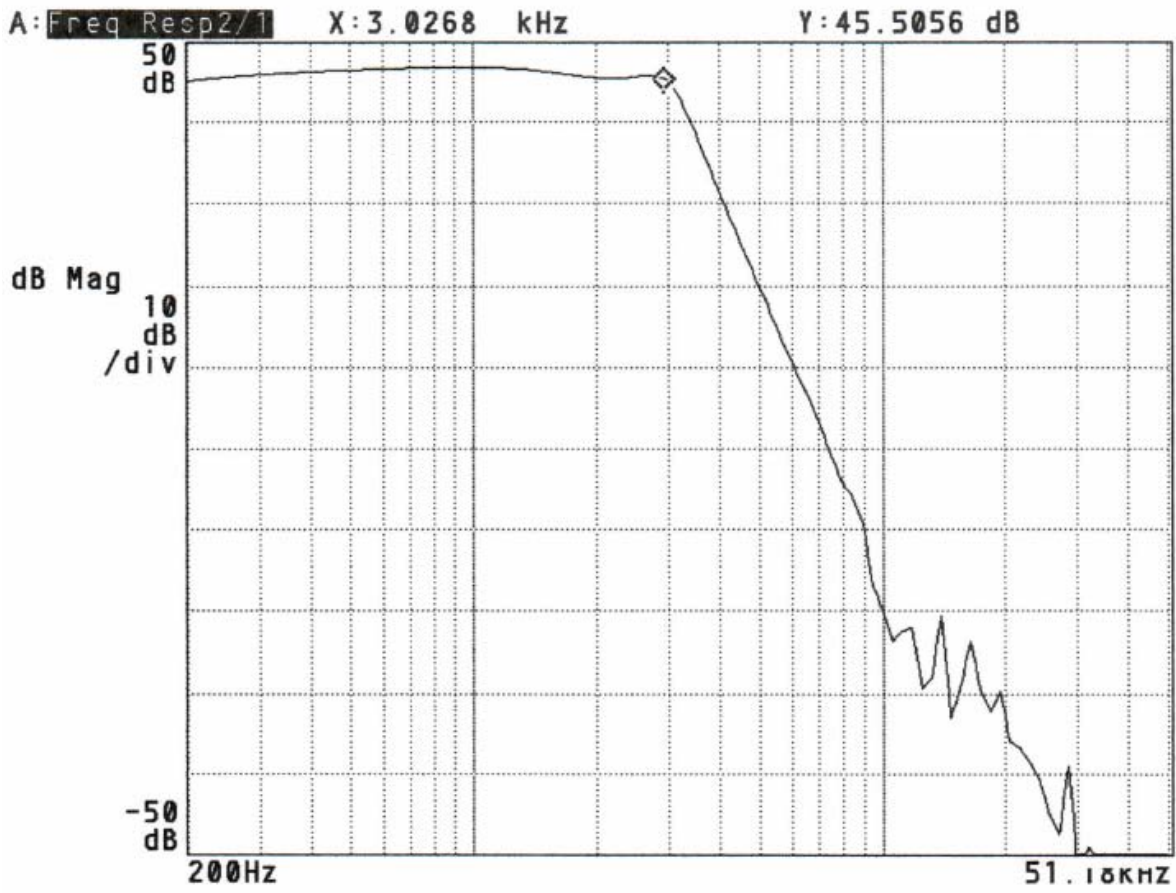
25KHz TX Audio Response 480MHz



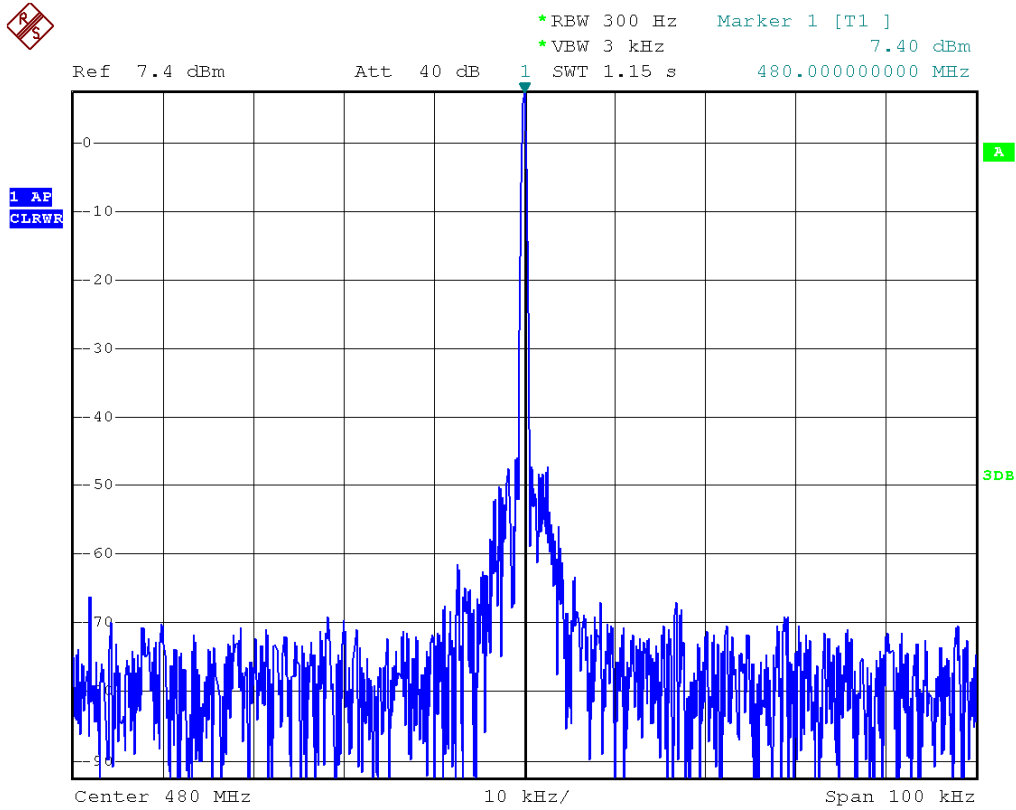
12.5KHz TX Audio Response 480MHz



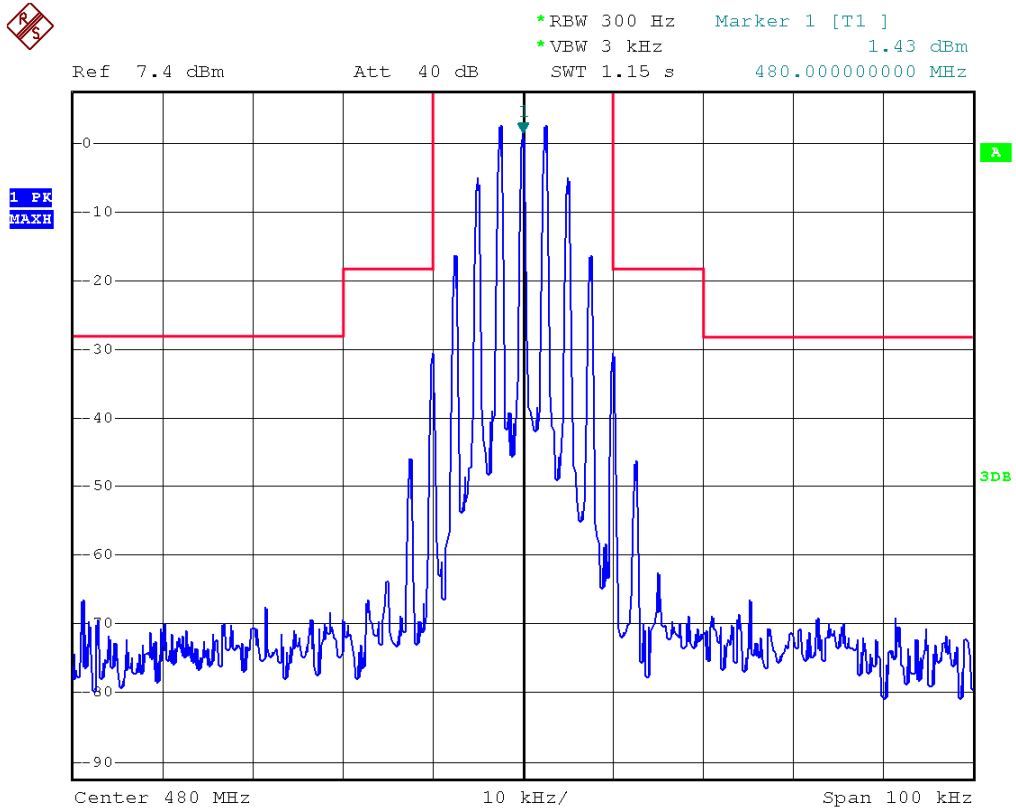
### #3 Low Pass Filter Response



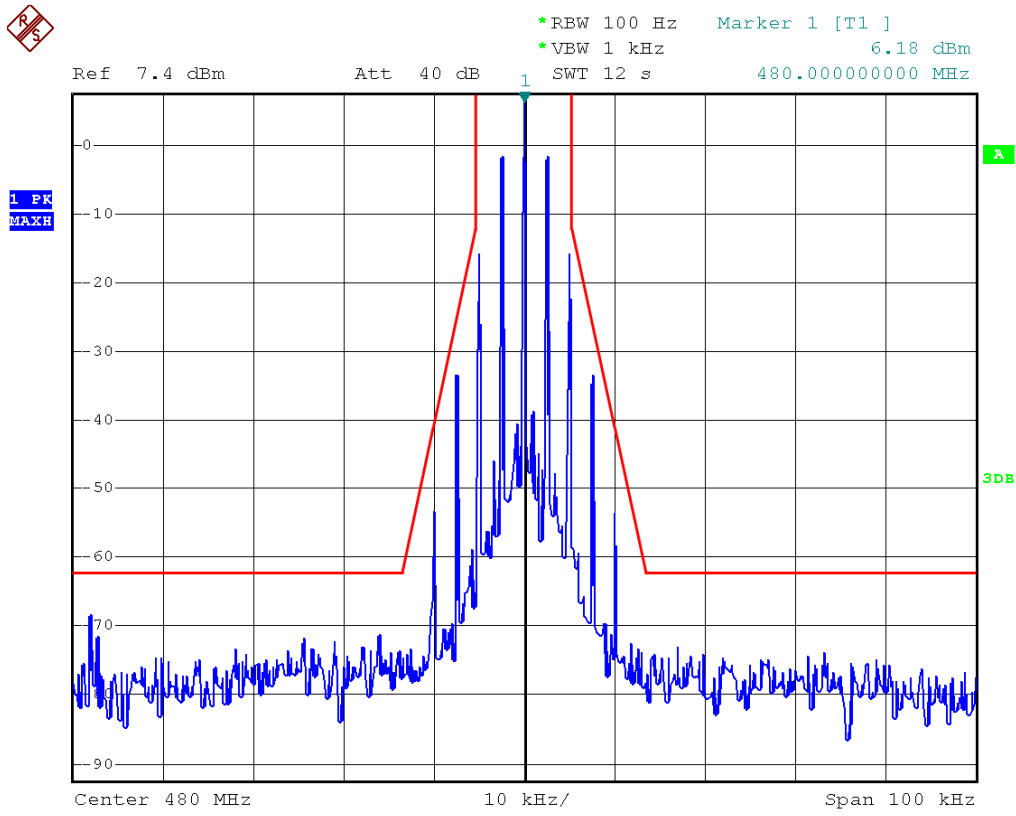
### #4 Occupied Bandwidth No Modulation



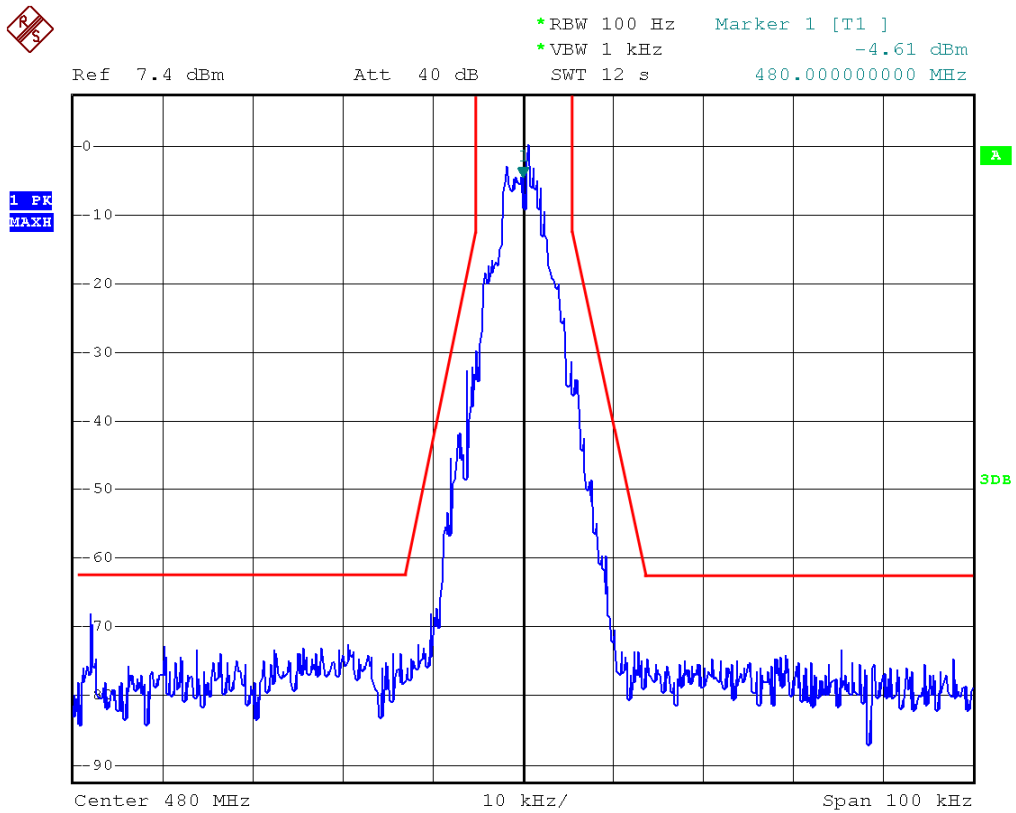
### #4 Occupied Bandwidth Analog Voice 16K0F3E Mask B



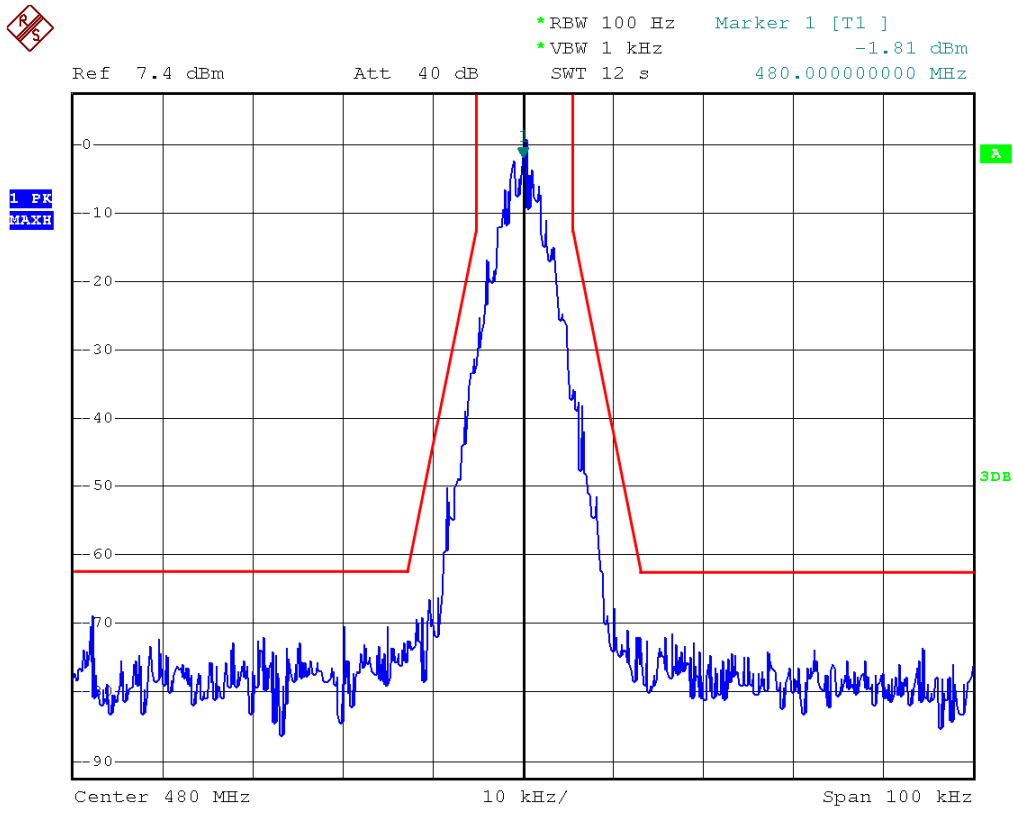
### #4 Occupied Bandwidth Analog Voice 11K0F3E Mask D



### #4 Occupied Bandwidth Digital Voice 8K10F1E Mask D

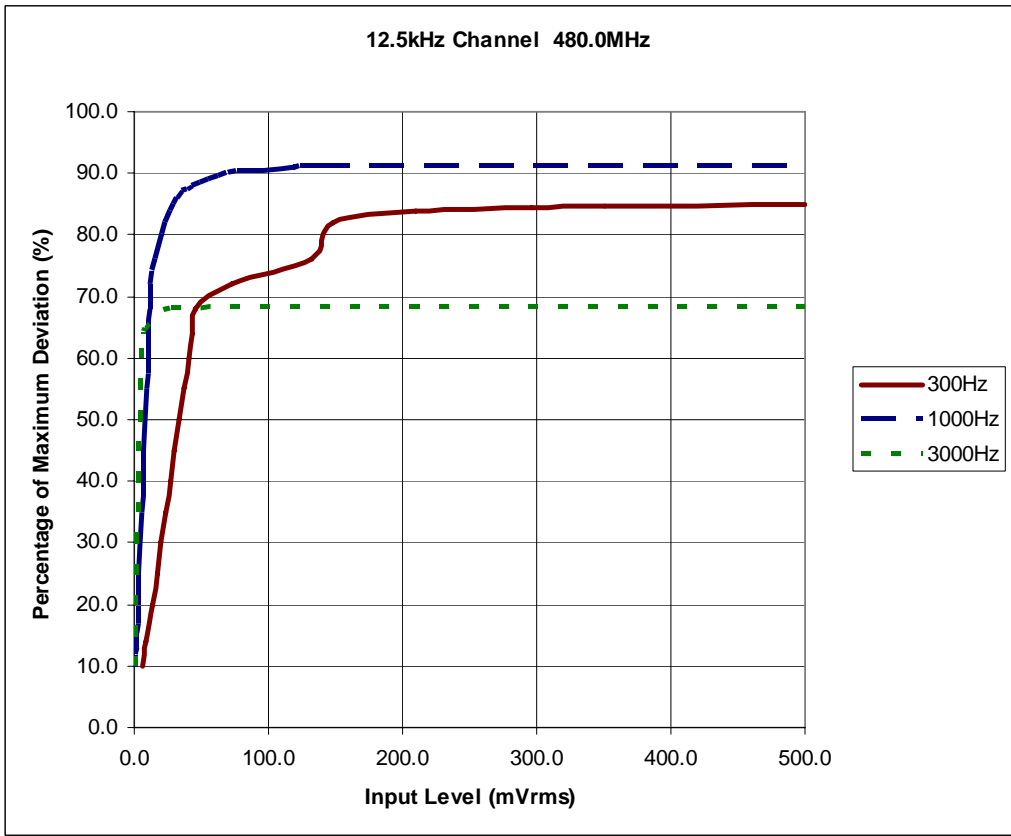
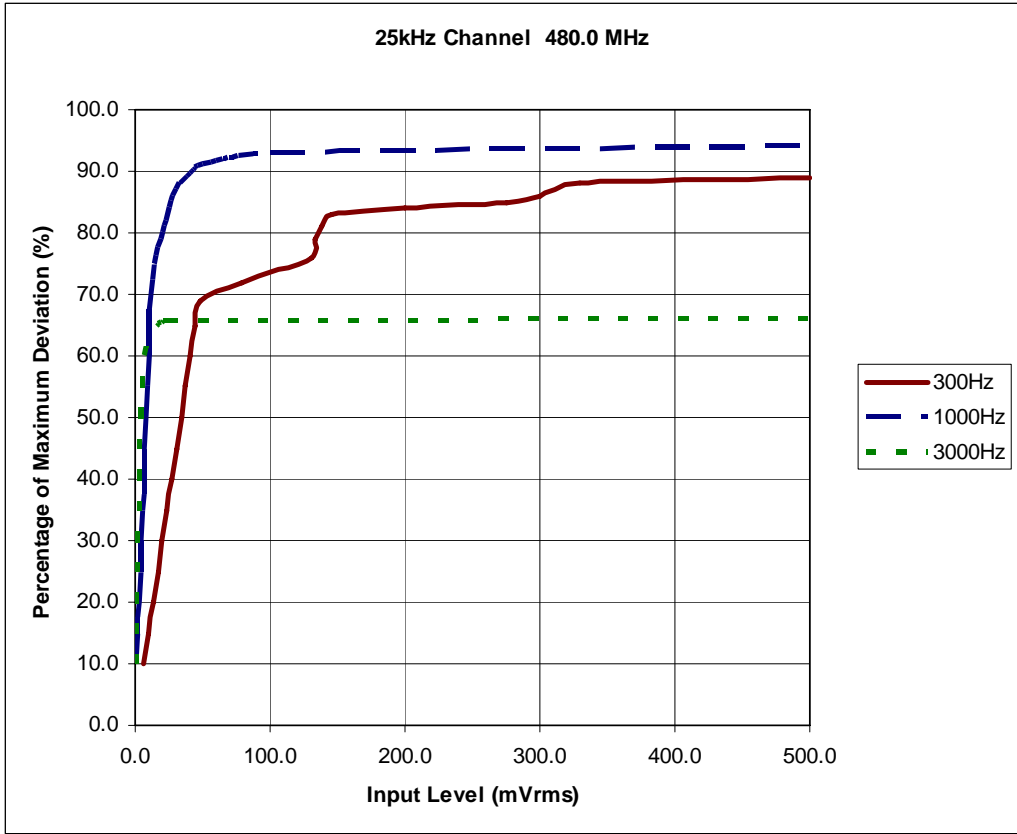


### #4 Occupied Bandwidth Digital Data 8K10F1D Mask D

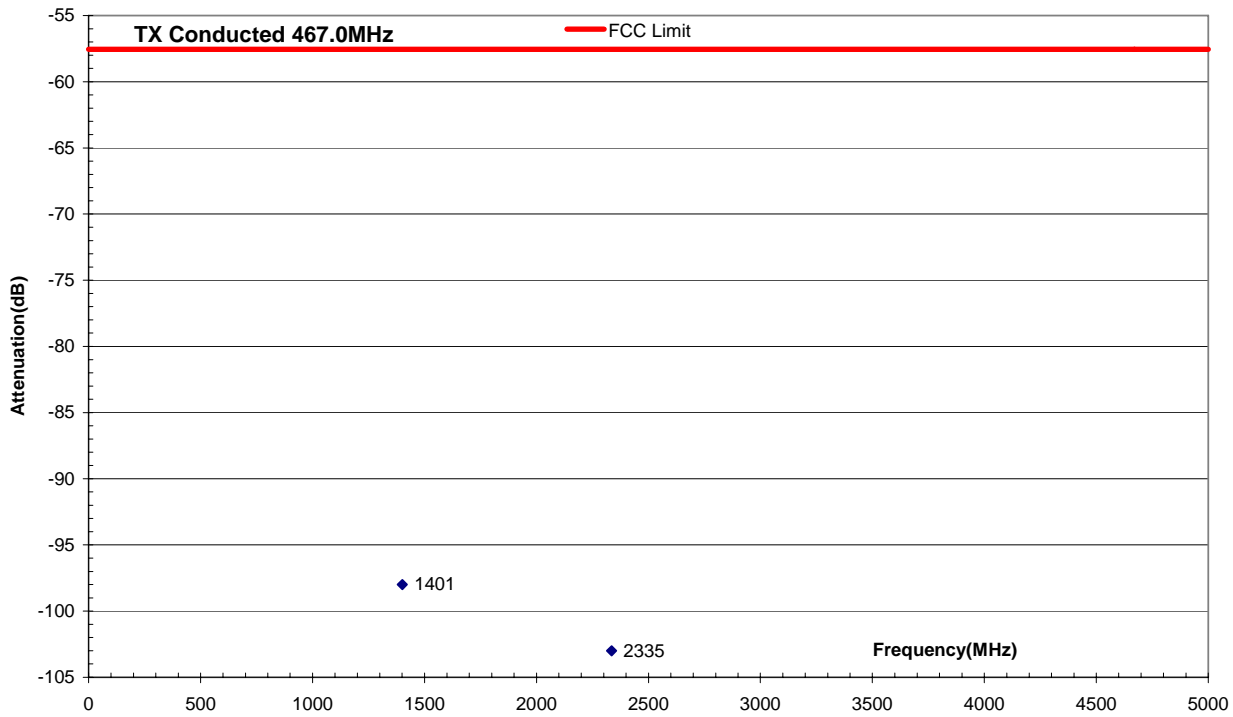
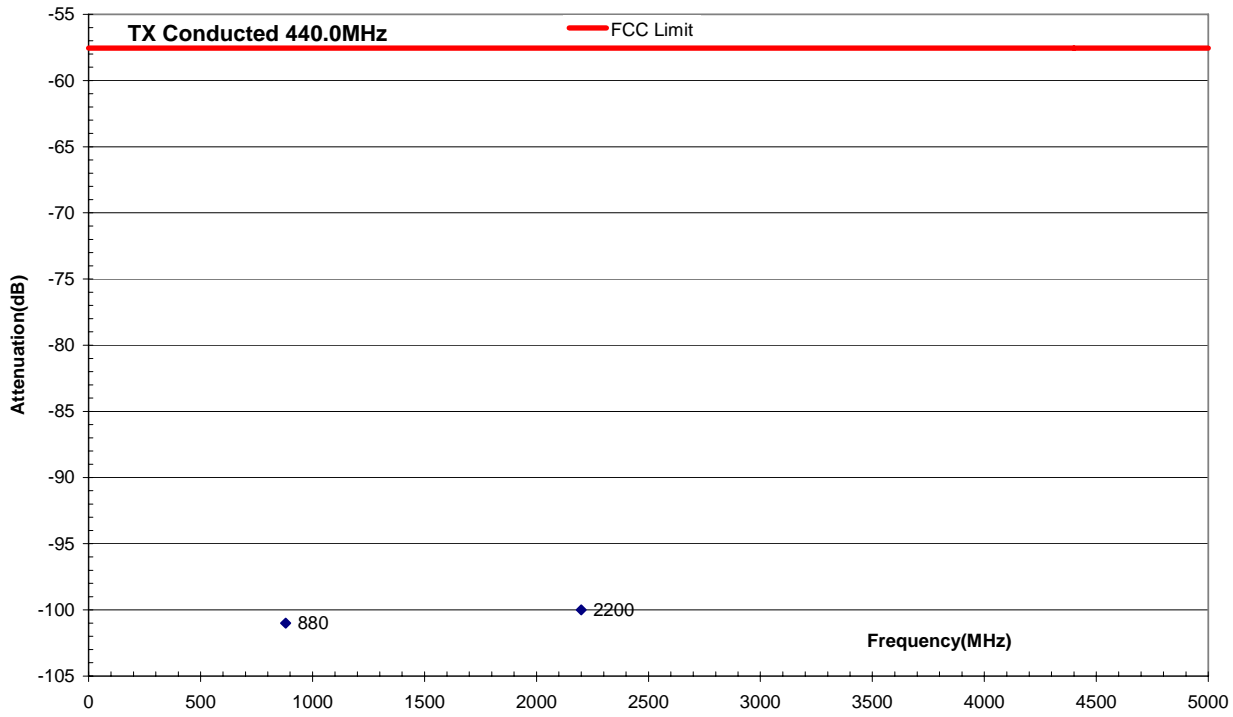


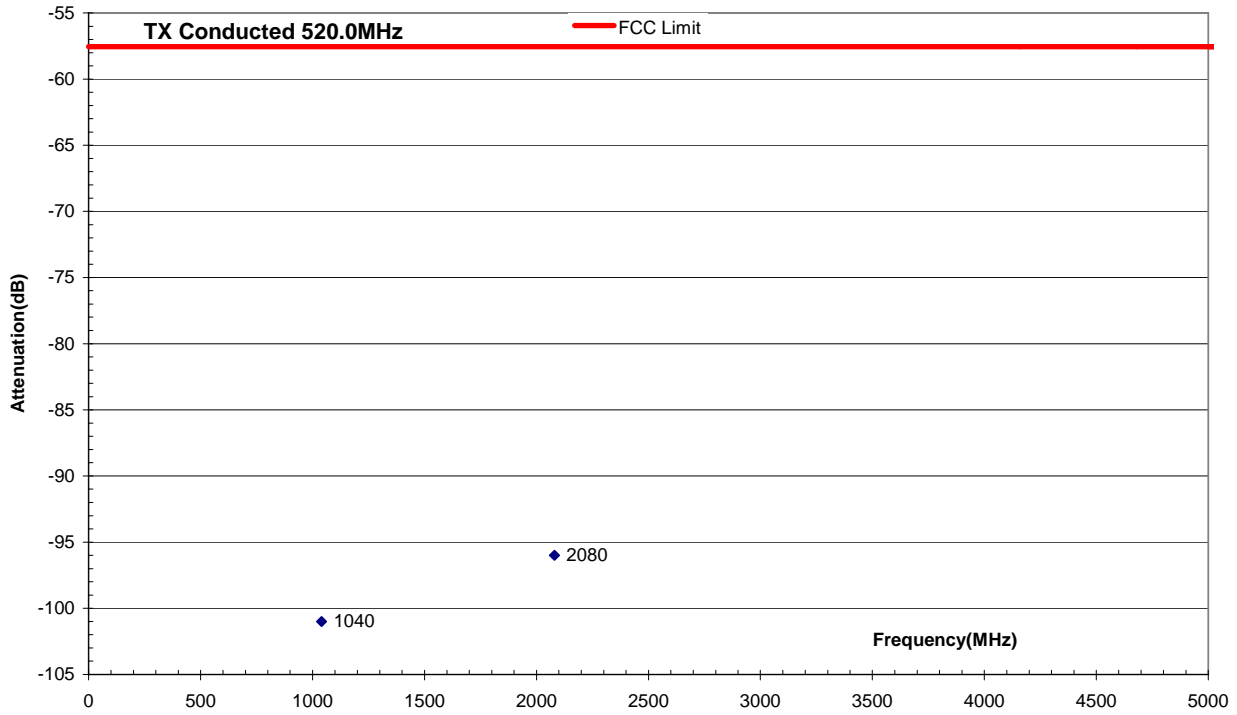
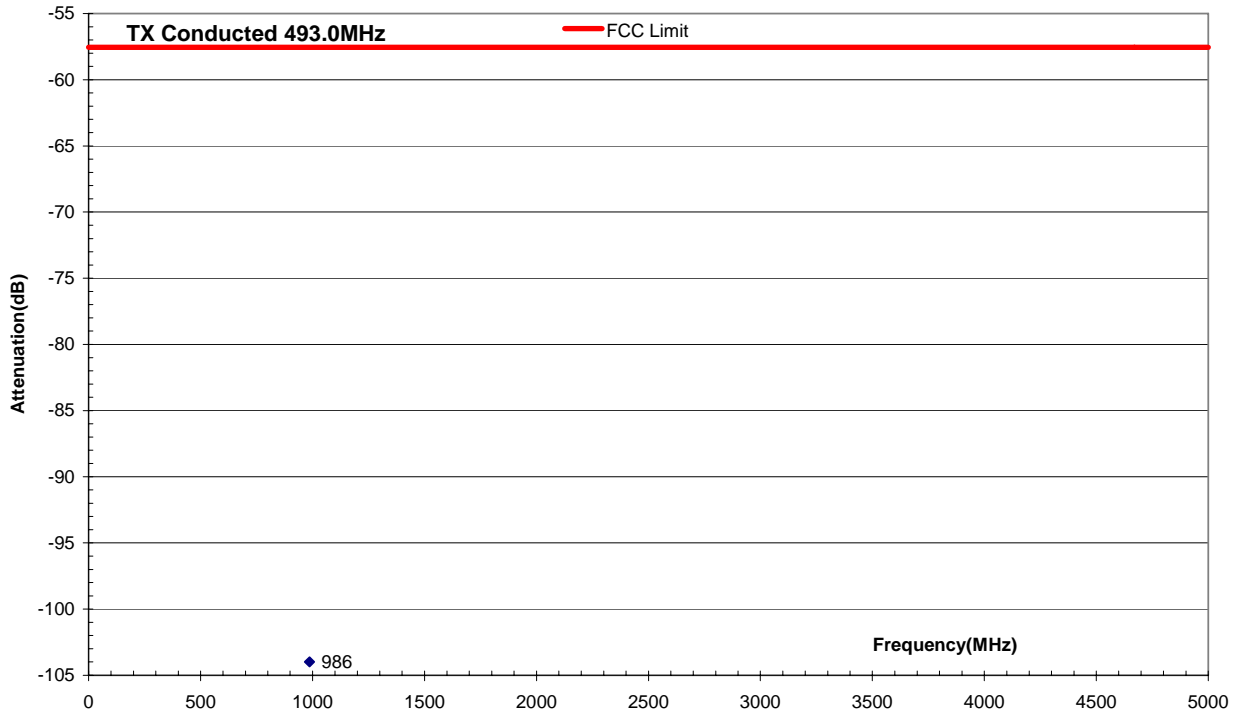


### #5 Modulation Limiting



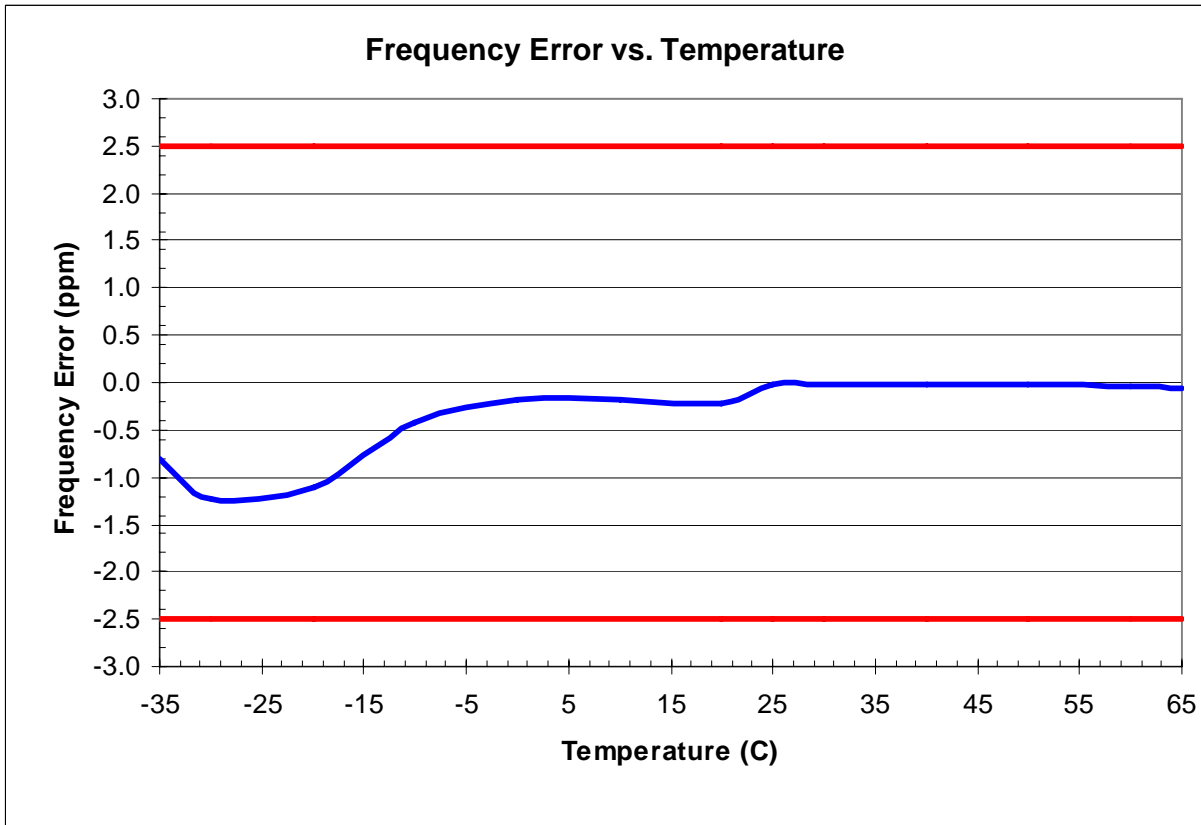
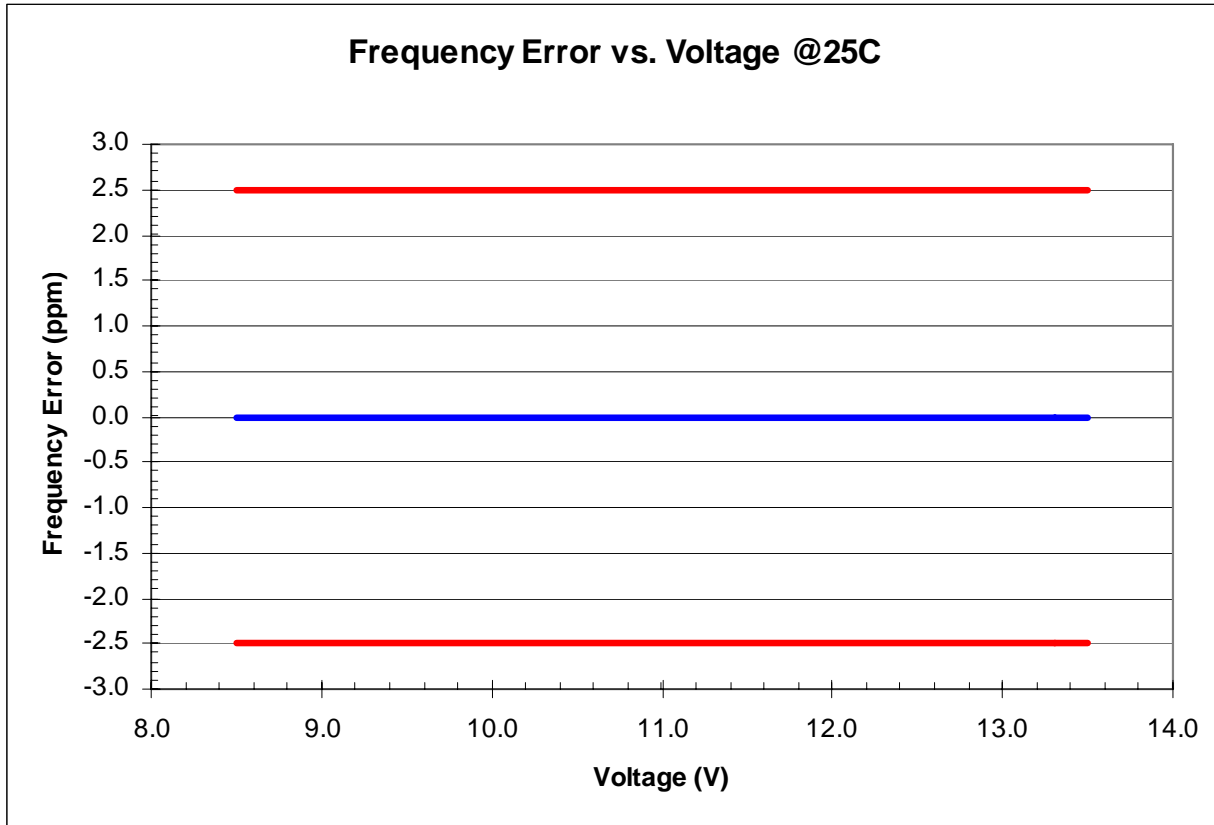
### #6 Conducted Spurious Emissions





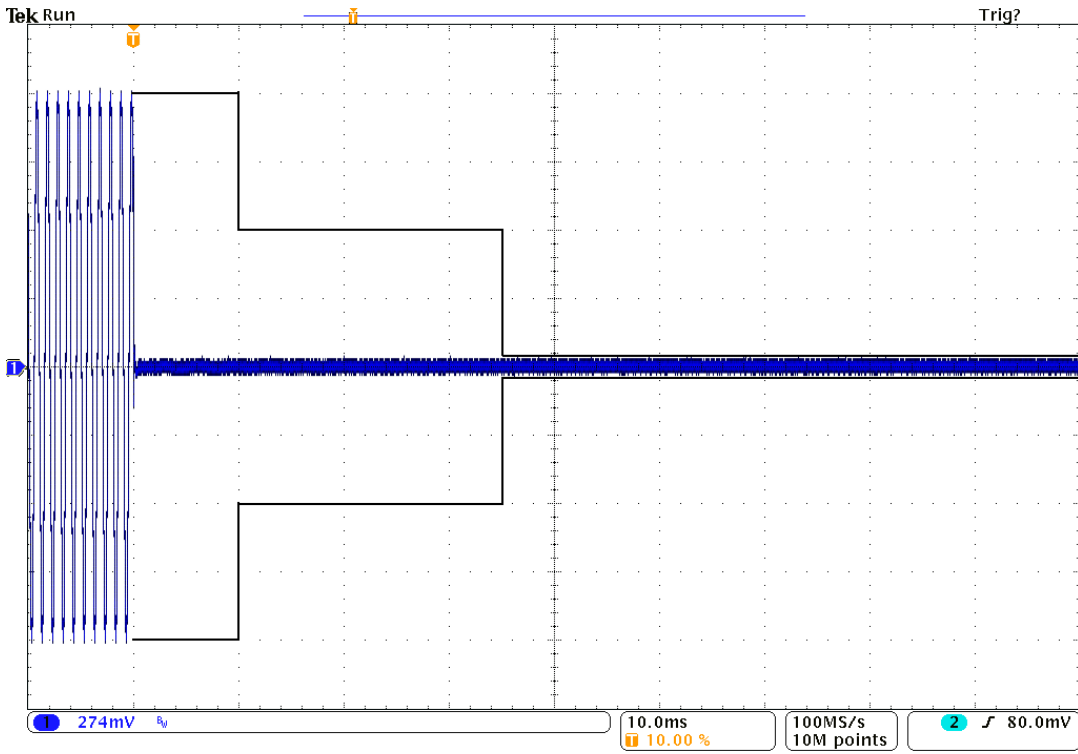
### #7 Frequency Stability

Channel Frequency 480 MHz



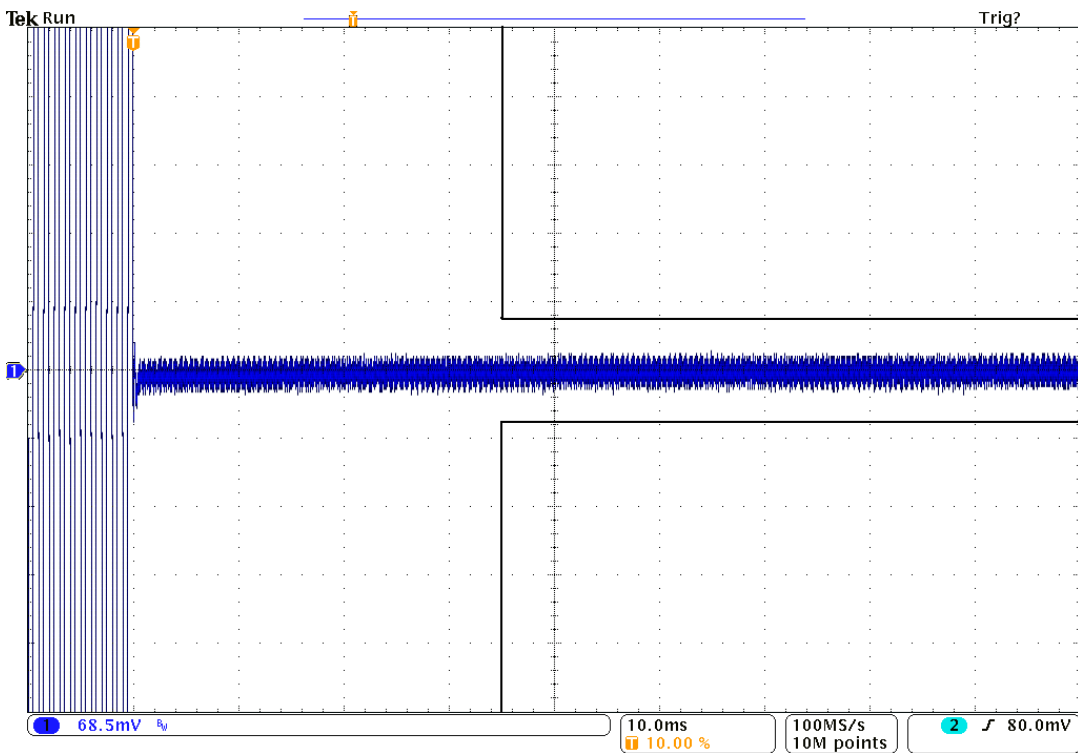
### #8 Transmitter Transient Frequency Behavior

#### 25Khz Channel 480.0MHz TX ON



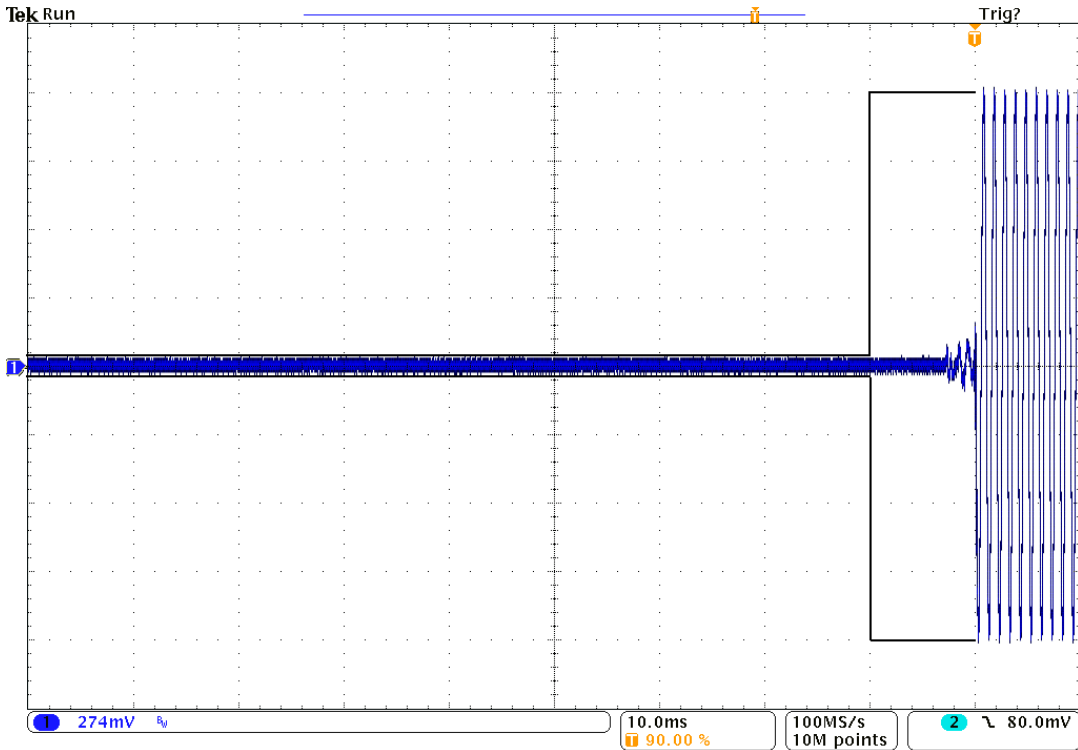
21 Jan 2009  
03:40:36

#### 25KHz Channel 480.0MHz TX ON ZOOMED



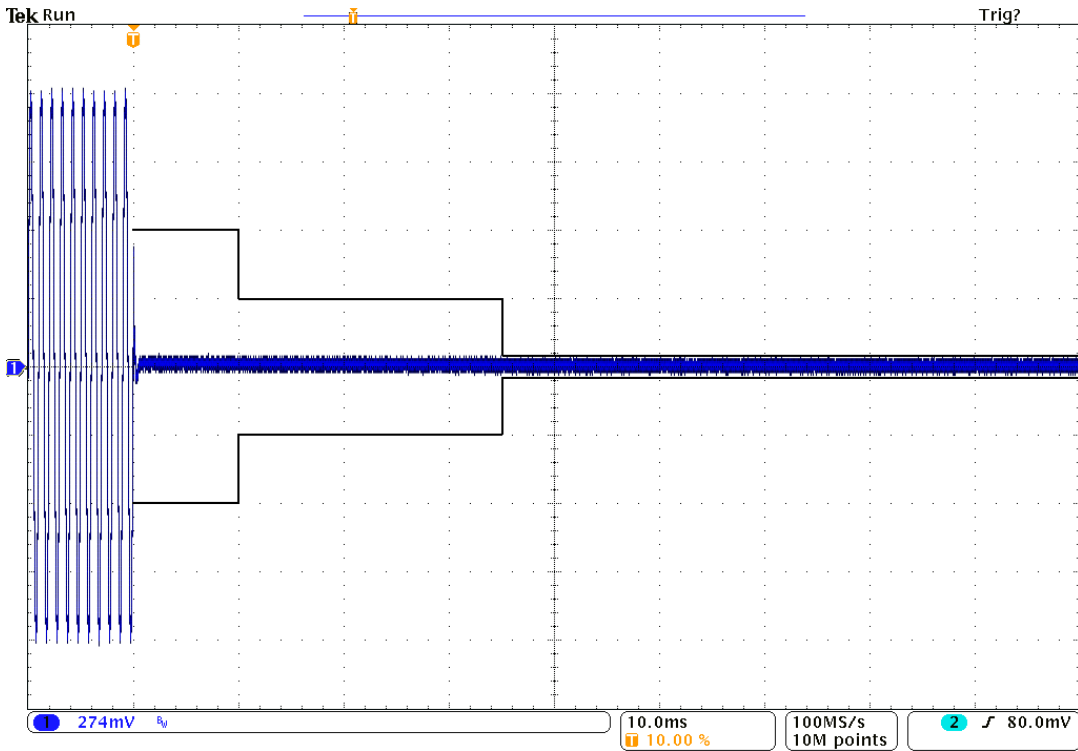
21 Jan 2009  
04:02:07

### 25Khz Channel 480.0MHz TX OFF



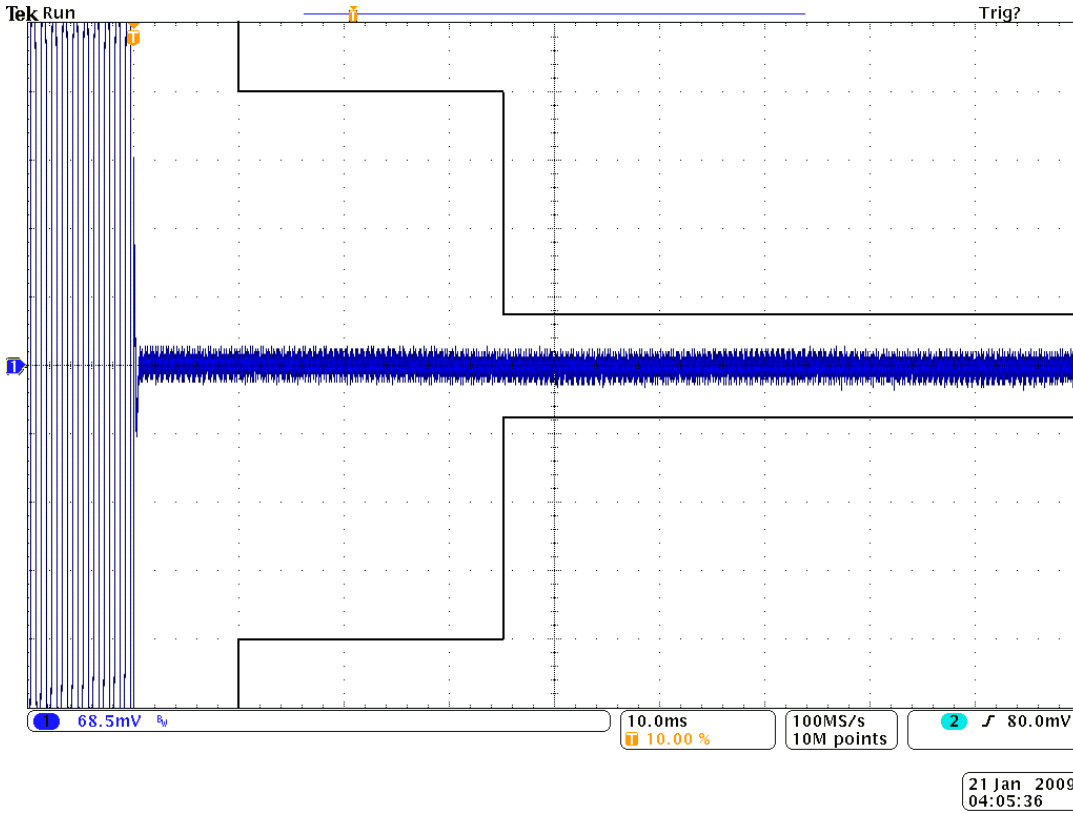
21 Jan 2009  
03:55:05

### 12.5Khz Channel 480.0MHz TX ON



21 Jan 2009  
04:03:47

### 12.5Khz Channel 480.0MHz TX ON ZOOMED



### 12.5Khz Channel 480.0MHz TX OFF

