

EXHIBIT 6

INDEX OF SUBMITTED MEASURED DATA

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RF Conducted Power Output Data -- Pursuant 47 CFR 2.1046(a), 2.1033(c) (6), 2.1033(c) (7) and 2.1033(c) (8)

The RF power output was measured with the indicated voltage applied to and current into the final RF amplifying device (Q403).

Frequency = 380.0125 MHz:

Output RF power	47.7 Watts
DC Voltage	13.6 Volts
DC Current	8.68 Amps

Frequency = 380.0125 MHz:

Output RF power	4.00 Watts
DC Voltage	13.6 Volts
DC Current	2.97 Amps

Frequency = 406.2 MHz:

Output RF power	47.7 Watts
DC Voltage	13.6 Volts
DC Current	8.07 Amps

Frequency = 406.2 MHz:

Output RF power	4.01 Watts
DC Voltage	13.6 Volts
DC Current	2.81 Amps

Frequency = 425.0125MHz:

Output RF power	47.5 Watts
DC Voltage	13.6 Volts
DC Current	7.52 Amps

Frequency = 425.0125MHz:

Output RF power	4.01 Watts
DC Voltage	13.6 Volts
DC Current	2.65 Amps

Frequency = 469.9875MHz:

Output RF power	47.6 Watts
DC Voltage	13.6 Volts
DC Current	8.07 Amps

Frequency = 469.9875MHz:

Output RF power	3.99 Watts
DC Voltage	13.6 Volts
DC Current	2.87 Amps

Transmit Audio Response -- Pursuant 47 CFR 2.1047 and 2.1033(c) (13)

Audio Frequency Response
(Freq: 425.0125MHz, Ch Sp: 12.5 kHz)

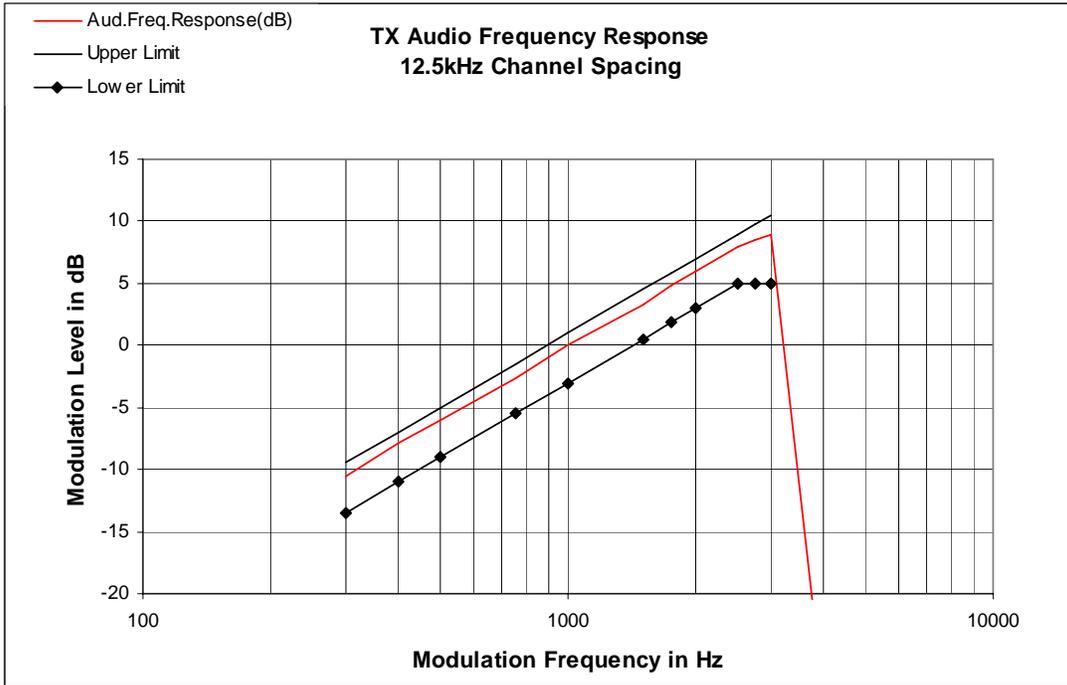


Figure 6B-1: 12.5 kHz Channel Spacing, 425.0125 MHz

Audio Frequency Response
(Freq: 425.0125MHz, Ch Sp: 25 kHz)

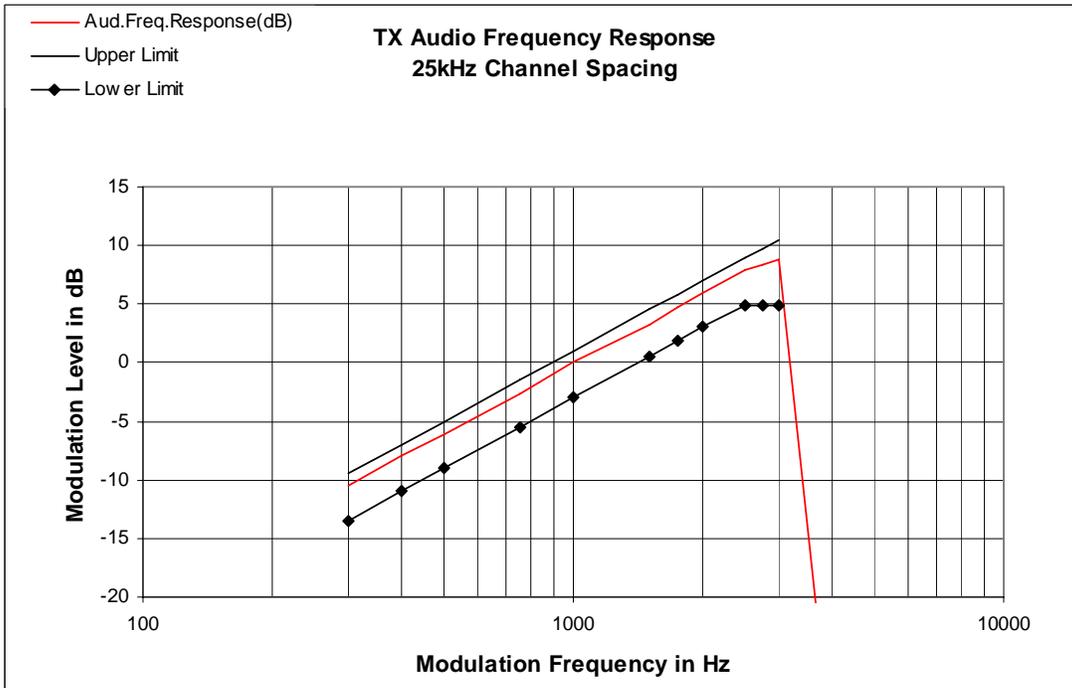


Figure 6B-2: 25 kHz Channel Spacing, 425.0125 MHz

EXHIBIT 6C

Audio Low Pass Filter Response -- Pursuant 47 CFR 2.1047 and 2.1033(c) (13)

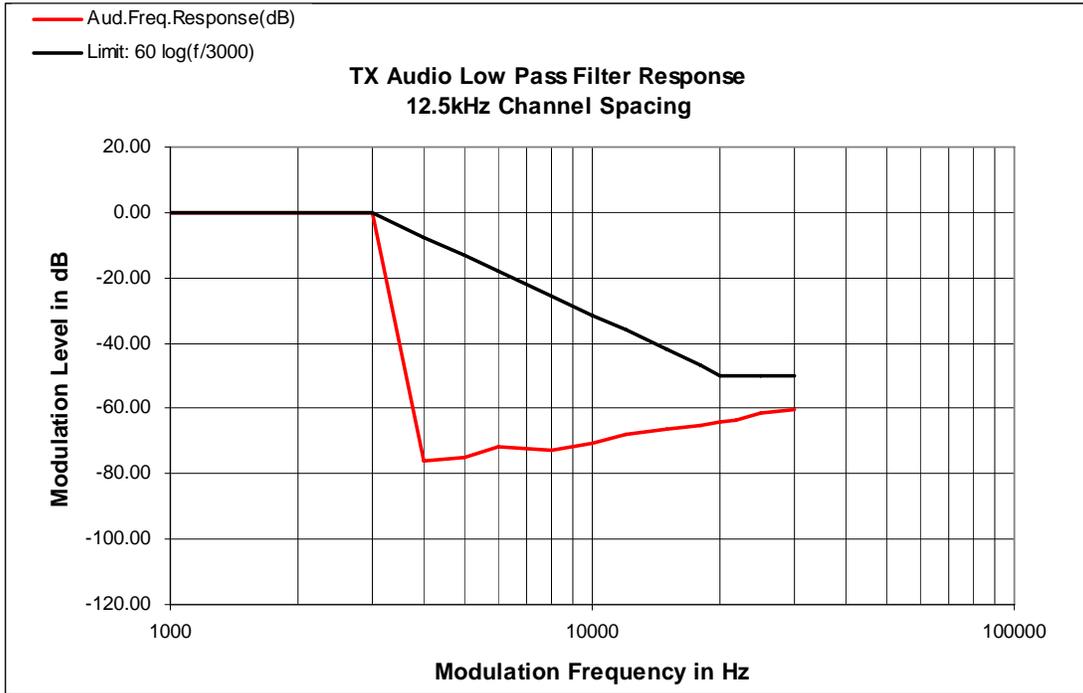


Figure 6C-1: 12.5 kHz Channel Spacing, 425.0125 MHz

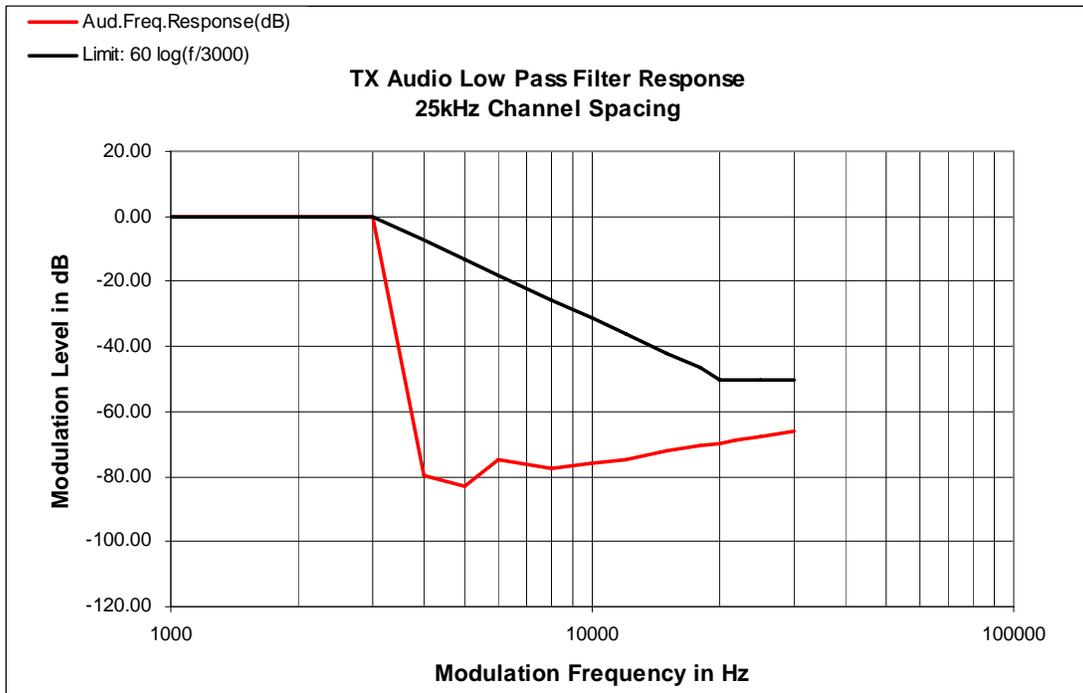


Figure 6C-1: 25 kHz Channel Spacing, 425.0125 MHz

EXHIBIT 6D

Modulation Limiting -- Pursuant 47 CFR 2.1047 and 2.1033(c) (13)

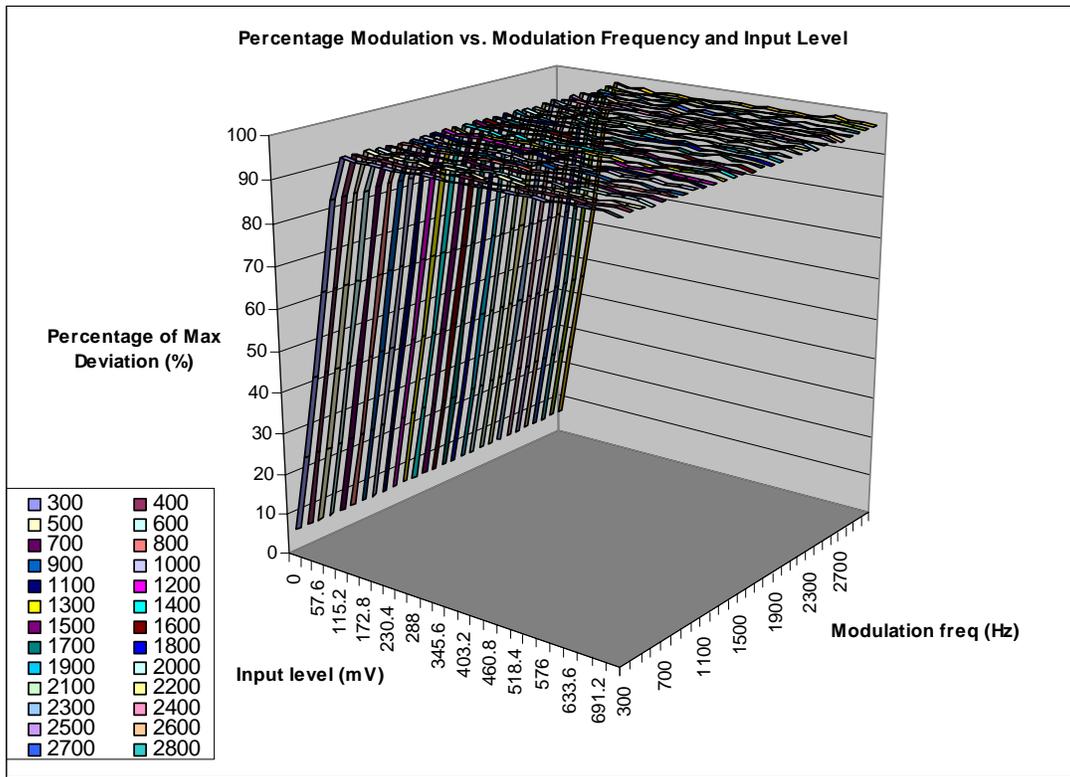


Figure 6D-1: The Percentage of Max. Deviation on the "Z" axis is referenced to 2.5 kHz for 12.5 kHz bandwidth

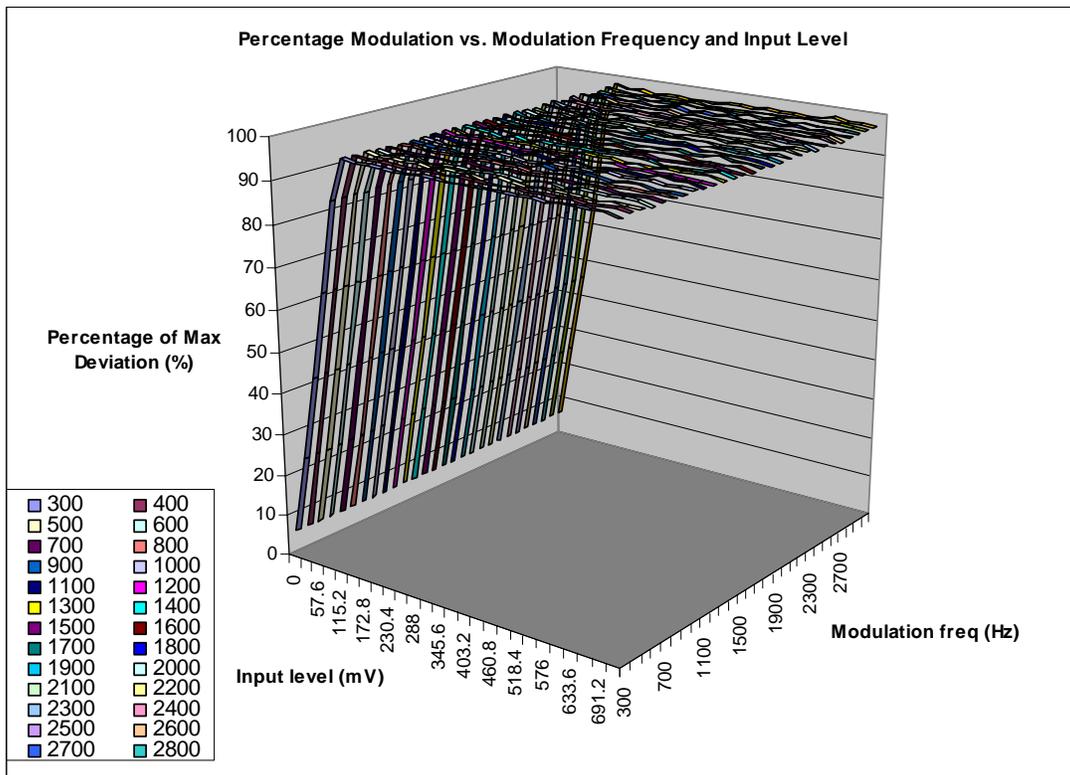


Figure 6D-2: The Percentage of Max. Deviation on the “Z” axis is referenced to 5.0 kHz for 25 kHz bandwidth

Carson’s Rule for FM modulation is utilized to compute the bandwidth shown in the FCC emission designator. Carson’s Rule is:

$$BW = 2 * (M + D) \quad \text{where: } BW = \text{Bandwidth}$$

M= Maximum modulating frequency
D = Deviation

Shown below are the calculations required for FCC ID: AZ489FT4895

EXHIBIT 6E-1

Standard Audio Modulation (12.5 kHz Channelization, Analog Voice):
Emission Designator 11K0F3E

In this case, the maximum modulating frequency is 3.0 kHz with a 2.5 kHz deviation.

$$BW = 2(M+D) = 2*(3.0 \text{ kHz} + 2.5 \text{ kHz}) = 11 \text{ kHz} \Rightarrow 11K0$$

F3E portion of the designator indicates voice.

Therefore, the entire designator for 12.5 KHz channelization analog voice is 11K0F3E.

EXHIBIT 6E-2

Standard Audio Modulation (25 kHz Channelization, Analog Voice):
Emission Designator 16K0F3E

In this case, the maximum modulating frequency is 3 kHz with a 5 kHz deviation.

$$BW = 2(M+D) = 2*(3 \text{ kHz} + 5 \text{ kHz}) = 16 \text{ kHz} \Rightarrow 16K0$$

F3E portion of the designator indicates voice.

Therefore, the entire designator for 25 kHz channelization analog voice is 16K0F3E.

EXHIBIT 6E-3

Digital (12.5 kHz Channelization, Digital Data):
Emission Designator 8K10F1D

The 99% energy rule (title 47CFR 2.989) was used for digital mode and is more accurate than Carson’s rule. It basically states that 99% of the modulation energy falls within X KHz, in this case, 8.10 kHz. Measurements were performed in accordance with TIA/EIA TSB102.CAAB Section 2.2.5.2. The emission mask was obtained from 47CFR 90.210(d).

F1D portion of the designator indicates digital data.

Therefore, the entire designator for 12.5 kHz channelization digital data is 8K10F1D.

EXHIBIT 6E-4

Digital (12.5 kHz Channelization, Digital Voice):
Emission Designator 8K10F1E

The 99% energy rule (title 47CFR 2.989) was used for digital mode and is more accurate than Carson’s rule. It basically states that 99% of the modulation energy falls within X KHz, in this case, 8.10 kHz. Measurements were performed in accordance with TIA/EIA TSB102.CAAB Section 2.2.5.2. The emission mask was obtained from 47CFR 90.210(d).

F1E portion of the designator indicates digital voice.

Therefore, the entire designator for 12.5 kHz channelization digital voice is 8K10F1E.

EXHIBIT 6E-5

Digital (12.5 kHz Channelization, Digital TDMA):
Emission Designator 8K10F1W

The 99% energy rule (title 47CFR 2.989) was used for digital mode and is more accurate than Carson's rule. It basically states that 99% of the modulation energy falls within X KHz, in this case, 8.10 kHz Measurements were performed in accordance with TIA/EIA TSB102.CAAB Section 2.2.5.2. The emission mask was obtained from 47CFR 90.210(d).

F1W portion of the designator indicates digital TDMA.

Therefore, the entire designator for 12.5 kHz channelization digital TDMA is 8K10F1W.

EXHIBIT 6E-6

Digital Modulation (20 kHz Channelization, Digital Voice with encryption):
Emission Designator 20K0F1E

In this case, the maximum modulating frequency is 6 kHz with a 4 kHz deviation.

$BW = 2(M+D) = 2*(6 \text{ kHz} + 4 \text{ kHz}) = 20 \text{ kHz} \Rightarrow 20K0$
F1E portion of the designator indicates digital voice.

Therefore, the entire designator for 20 kHz channelization analog voice is 20K0F1E.

EXHIBIT 6E

Occupied Bandwidth Data -- Pursuant 47 CFR 2.1049, 90.210(g) and 90.691

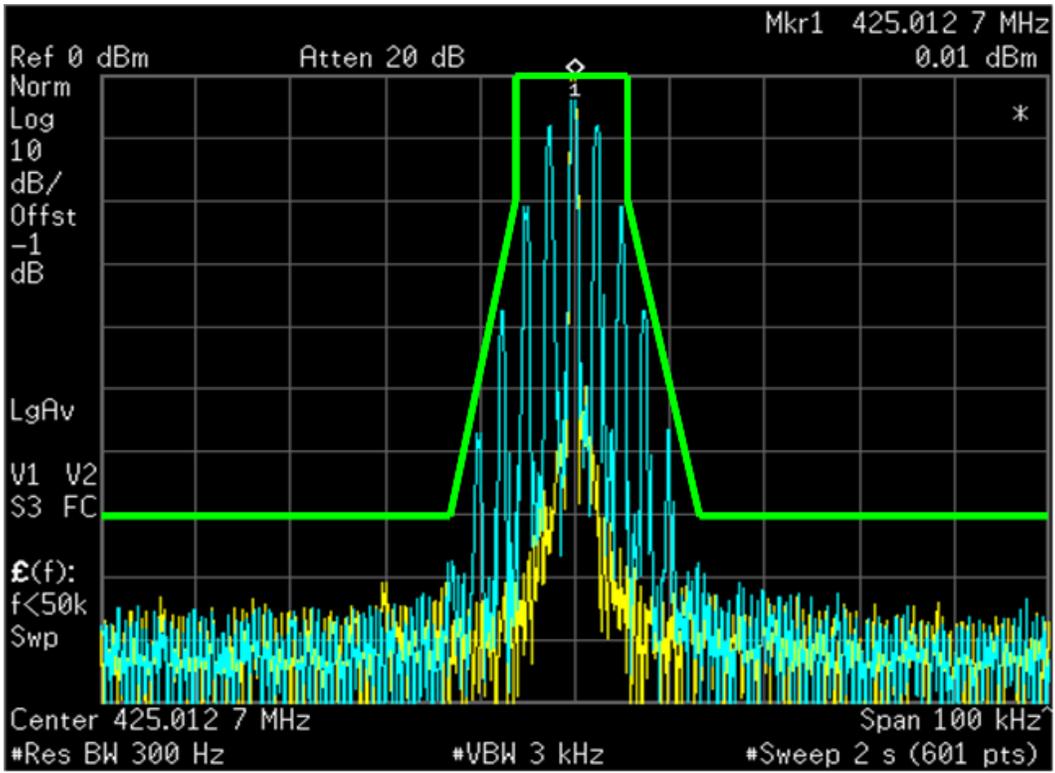


Figure 6E-1: 12.5 kHz Channel Spacing, 425.0125 MHz, Analog Voice, Mask D 11KOF3E

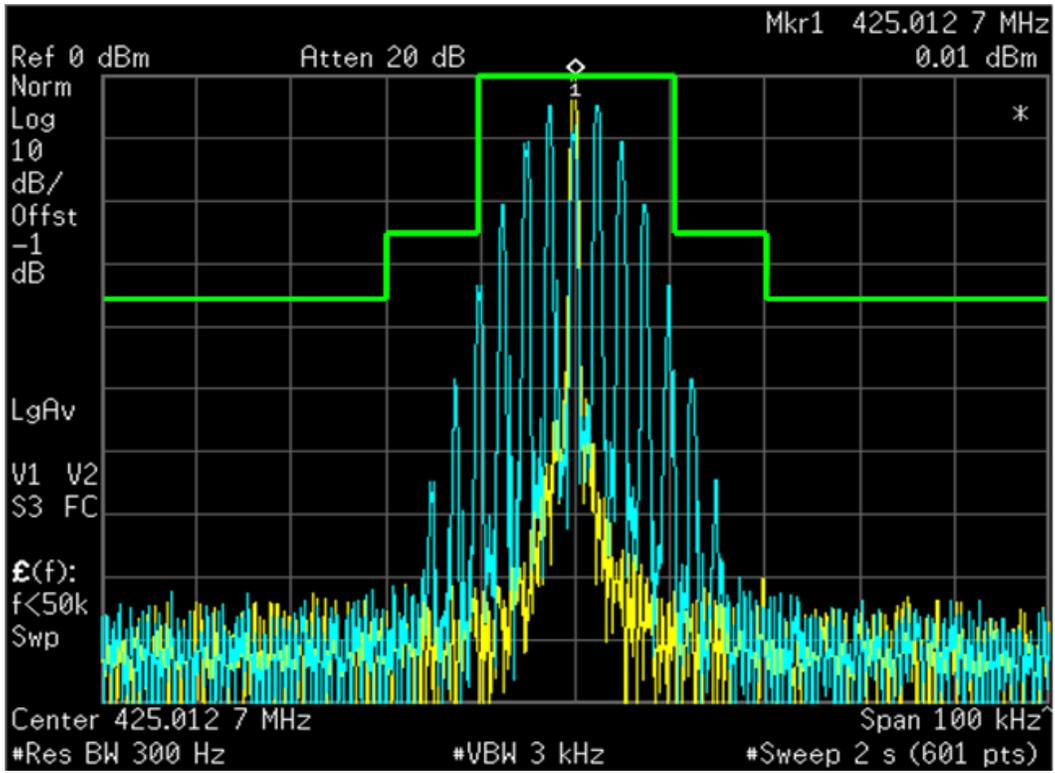


Figure 6E-2: 25 kHz Channel Spacing, 425.0125 MHz, Analog Voice, Mask B 16KOF3E

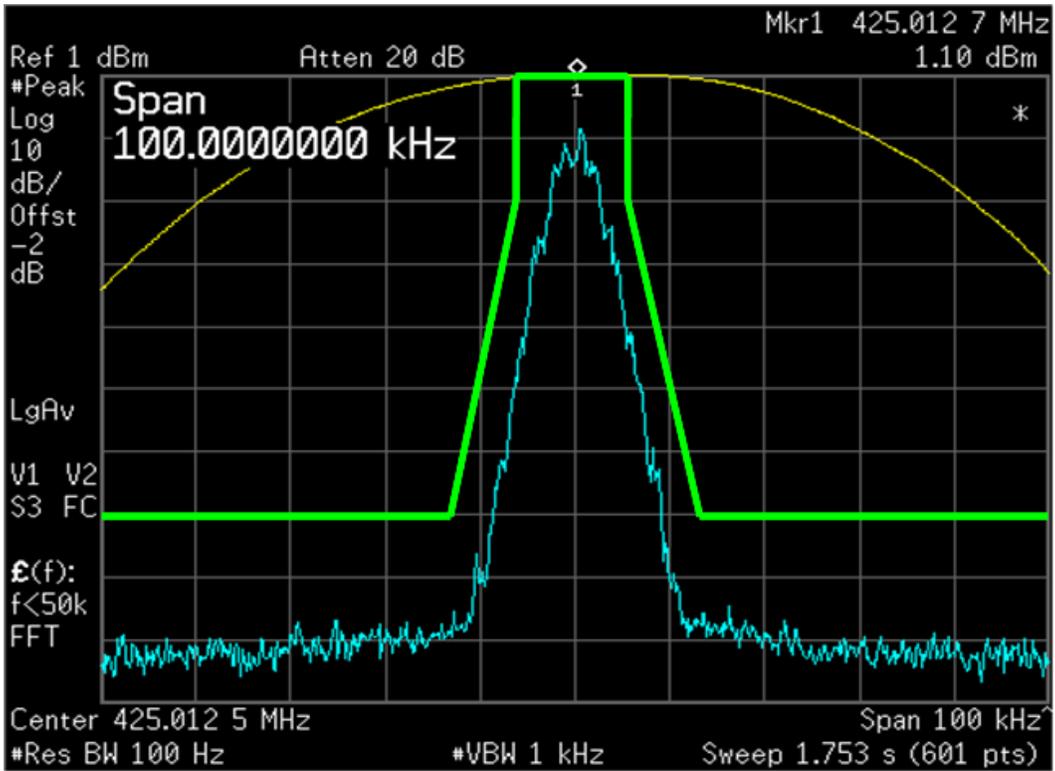


Figure 6E-3: 12.5 kHz Channel Spacing, 425.0125 MHz, Digital Data, Mask D 8K10F1D

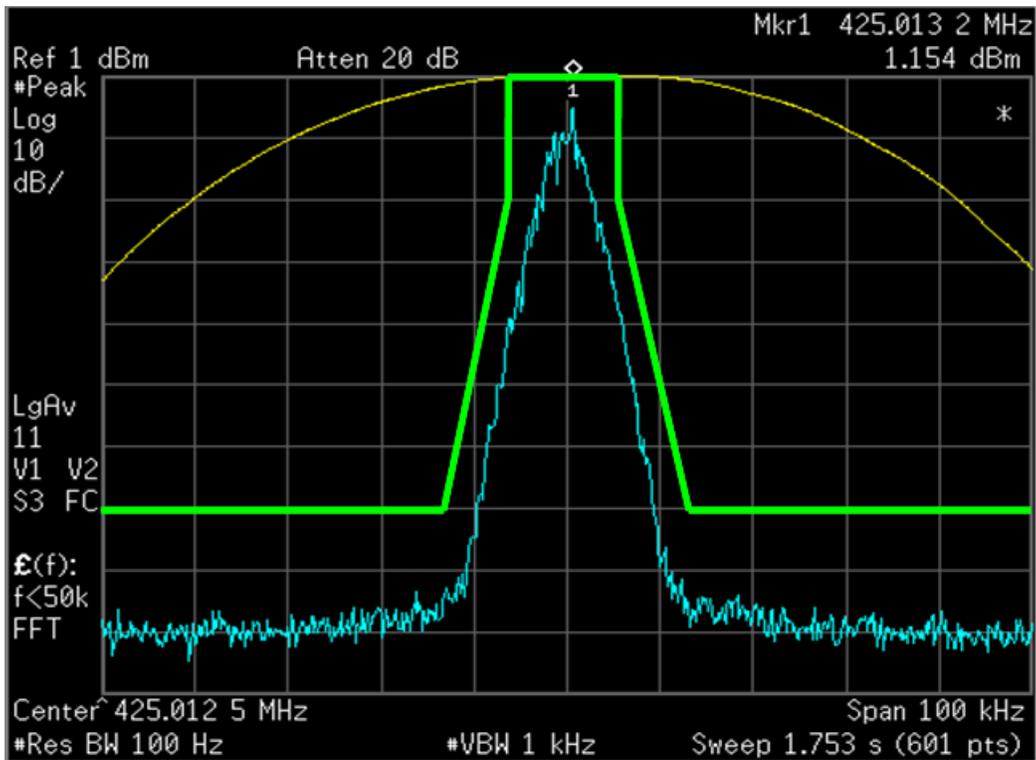


Figure 6E-4: 12.5 kHz Channel Spacing, 425.0125 MHz, Digital Voice, Mask D 8K10F1E

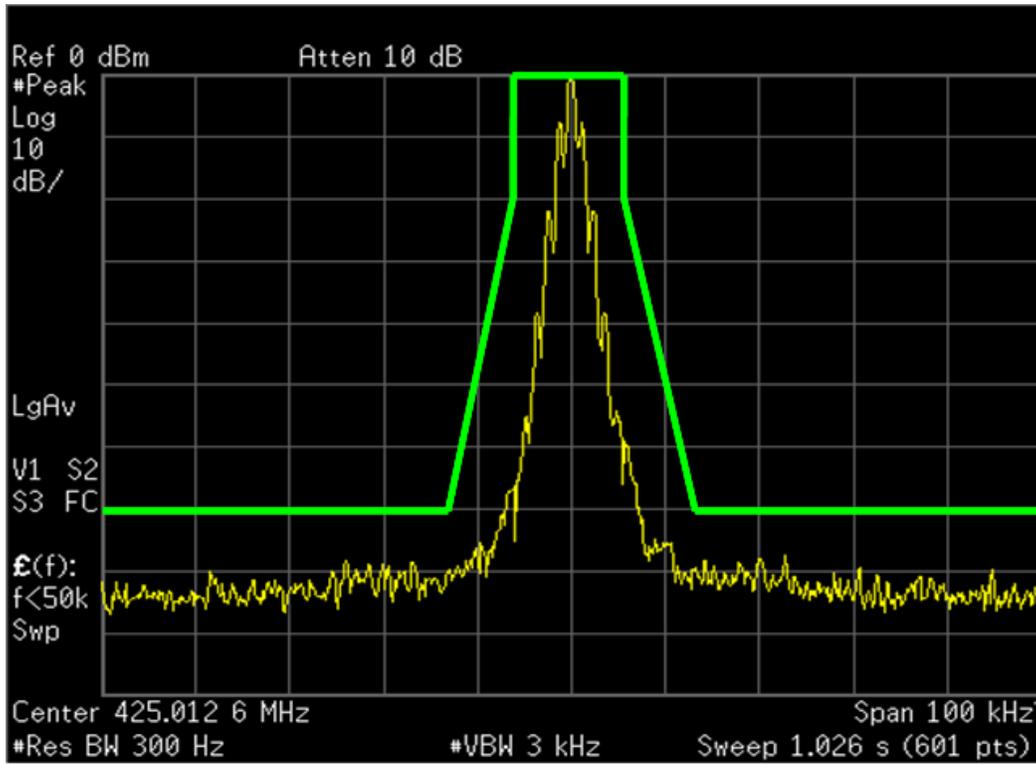


Figure 6E-5: 12.5 kHz Channel Spacing, 425.0125 MHz, Digital TDMA, Mask D 8K10F1W

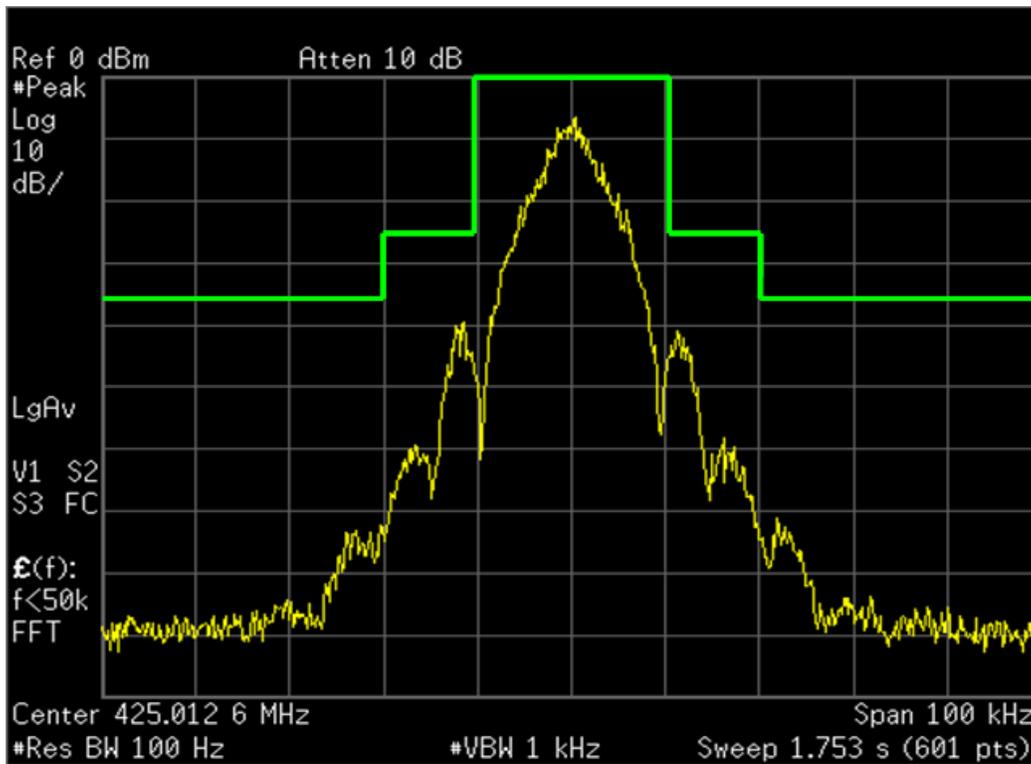


Figure 6E-6: 20 kHz Channel Spacing, 425.0125 MHz, Analog Voice Encryption, Mask B 20K0F1E

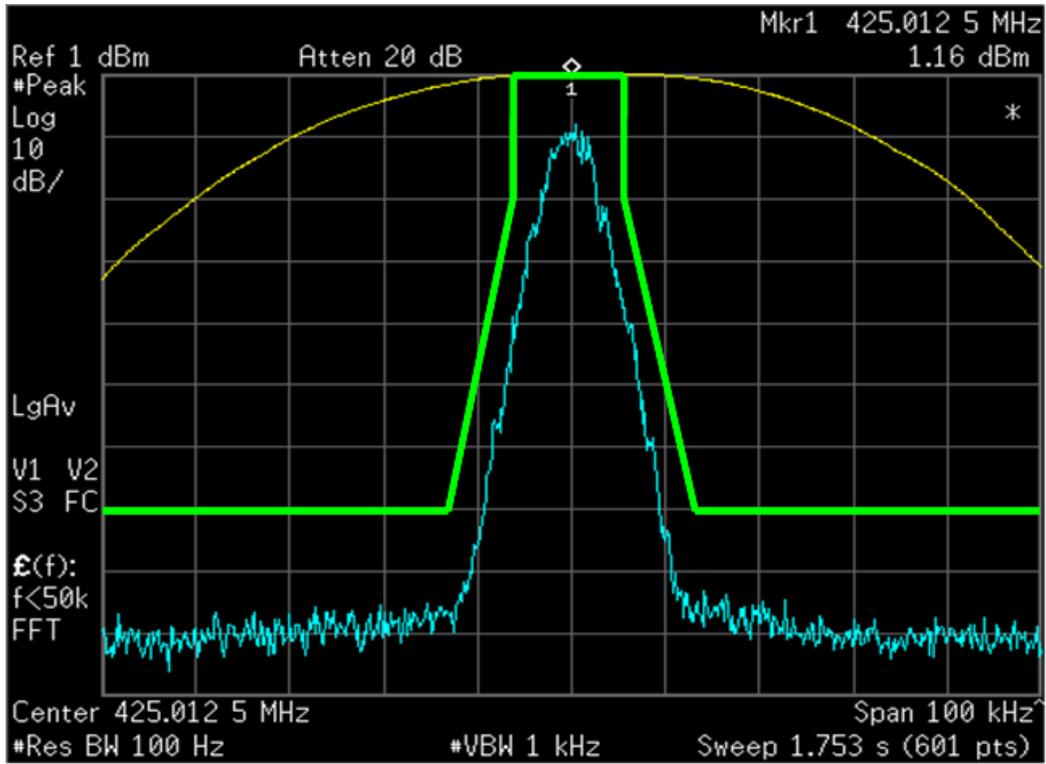


Figure 6E-7: 12.5 kHz Channel Spacing, 425.0125 MHz, Digital Voice Encryption, Mask D 8K10F1E

Transmitter Radiated Spurious Emissions - Pursuant 47 CFR 2.1047 and 2.1033(c) (13)

UHF Range 1

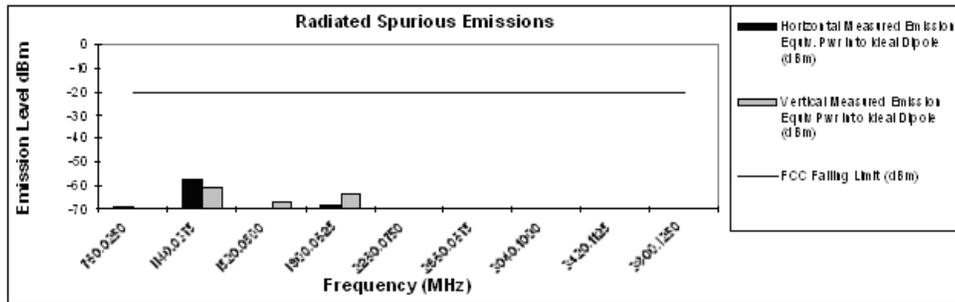
Transmit Radiated Spurious Emissions: APX7500 ANALOG

Tx Power: 48 Watts

380.0125 MHz

Channel Spacing 12.5kHz | S/N CAI100441H

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
760.0250	-20	-68.37	-69.80
1140.0375	-20	-57.40	-60.29
1520.0500	-20	-71.12	-66.76
1900.0625	-20	-68.02	-63.41
2280.0750	-20	*	*
2660.0875	-20	*	*
3040.1000	-20	*	*
3420.1125	-20	*	*
3800.1250	-20	*	*



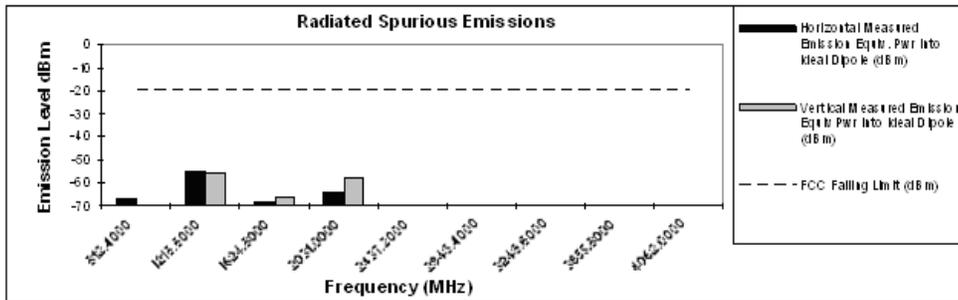
Transmit Radiated Spurious Emissions: APX7500 ANALOG

Tx Power: 48 Watts

406.2 MHz

Channel Spacing 12.5kHz | S/N CAI100441H

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
812.4000	-20	-66.50	-70.99
1218.6000	-20	-54.56	-55.49
1624.8000	-20	-68.31	-65.84
2031.0000	-20	-63.56	-57.64
2437.2000	-20	*	*
2843.4000	-20	*	*
3249.6000	-20	*	*
3655.8000	-20	*	*
4062.0000	-20	*	*



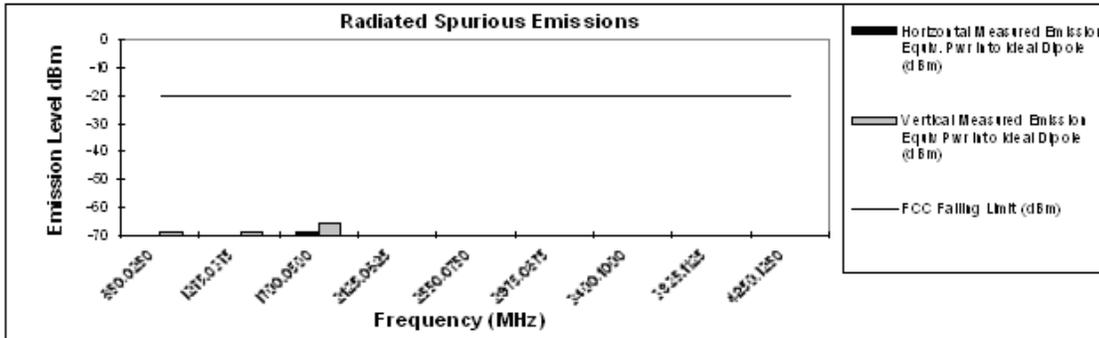
* Indicates the spurious emission could not be detected due to noise limitations or ambients.
The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Figure 6F-1: 48W, 380.0125 MHz & 406.2 MHz, 12.5 kHz Channel Spacing

Transmit Radiated Spurious Emissions: APX7500 ANALOG
Tx Power: 48 Watts

425.0125 MHz **Channel Spacing 12.5kHz | S/N CAI100441H**

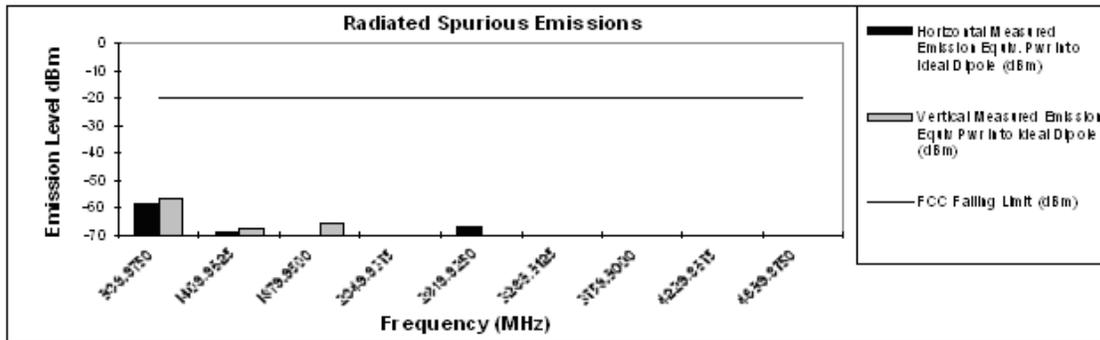
Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
850.0250	-20	-70.96	-68.44
1275.0375	-20	-72.19	-68.95
1700.0500	-20	-68.70	-65.61
2125.0625	-20	*	*
2550.0750	-20	*	*
2975.0875	-20	*	*
3400.1000	-20	*	*
3825.1125	-20	*	*
4250.1250	-20	*	*



Transmit Radiated Spurious Emissions: APX7500 ANALOG
Tx Power: 48 Watts

469.9875 MHz **Channel Spacing 12.5kHz | S/N CAI100441H**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
939.9750	-20	-58.74	-56.51
1409.9625	-20	-69.02	-67.65
1879.9500	-20	-69.87	-65.23
2349.9375	-20	*	*
2819.9250	-20	-66.74	*
3289.9125	-20	*	*
3759.9000	-20	*	*
4229.8875	-20	*	*
4699.8750	-20	*	*



* Indicates the spurious emission could not be detected due to noise limitations or ambients.
 The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Figure 6F-2: 48W, 425.0125 MHz & 469.9875 MHz, 12.5 kHz Channel Spacing

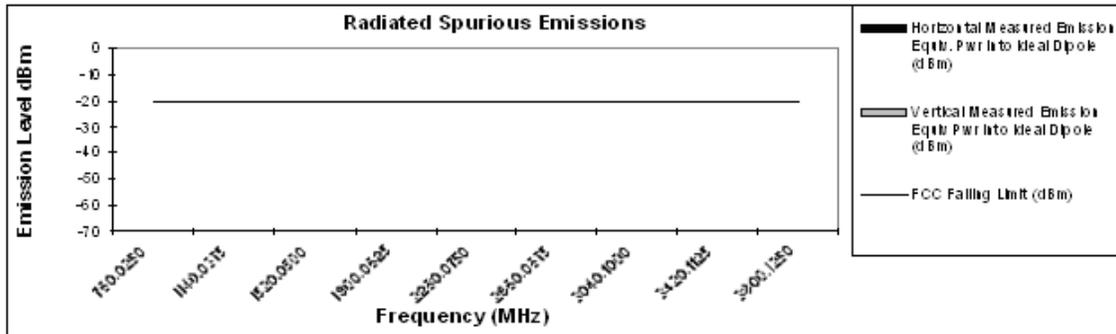
Transmit Radiated Spurious Emissions: APX7500 ANALOG

Tx Power: 4 Watts

380.0125 MHz

Channel Spacing 12.5kHz | S/N CA100441H

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
760.0250	-20	-73.08	*
1140.0375	-20	-70.85	-71.11
1520.0500	-20	*	*
1900.0625	-20	*	*
2280.0750	-20	*	*
2660.0875	-20	*	*
3040.1000	-20	*	*
3420.1125	-20	*	*
3800.1250	-20	*	*



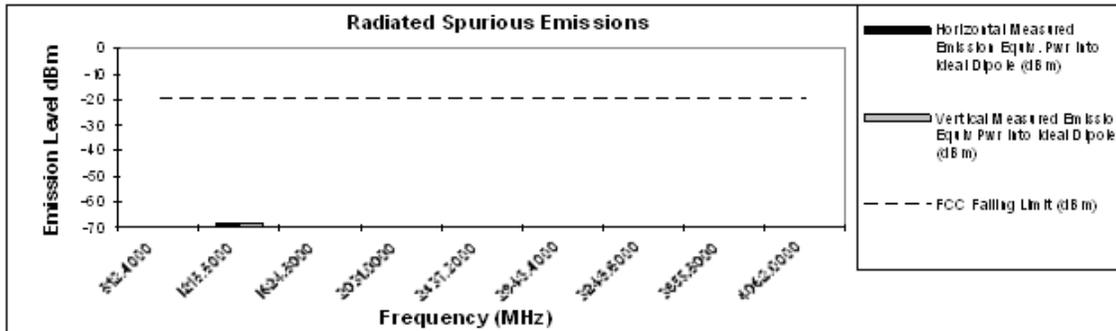
Transmit Radiated Spurious Emissions: APX7500 ANALOG

Tx Power: 4 Watts

406.2 MHz

Channel Spacing 12.5kHz | S/N CA100441H

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
812.4000	-20	-74.59	*
1218.6000	-20	-68.26	-68.59
1624.8000	-20	*	*
2031.0000	-20	*	*
2437.2000	-20	*	*
2843.4000	-20	*	*
3249.6000	-20	*	*
3655.8000	-20	*	*
4062.0000	-20	*	*



* Indicates the spurious emission could not be detected due to noise limitations or ambients.
The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Plantation EMC Lab – Test Performed by: Curt Mc Lennan
FCC Registration: 91932 / Industry Canada: IC109U-1

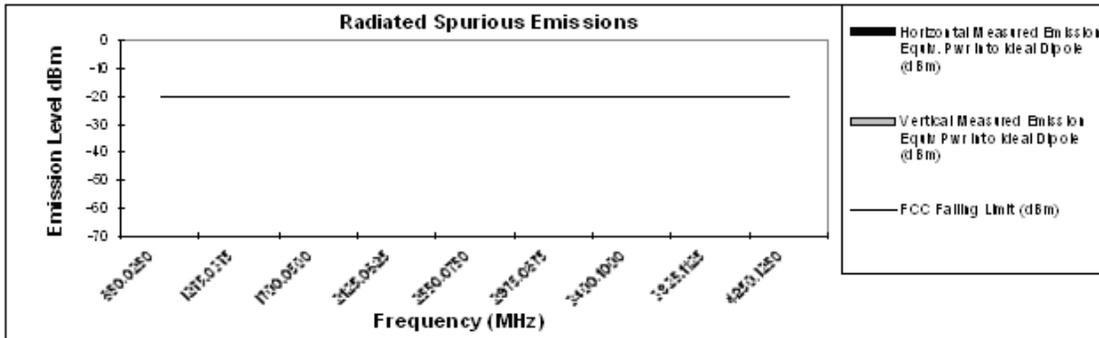
May 19, 2010

Figure 6F-3: 4W, 380.0125 MHz & 406.2 MHz, 12.5 kHz Channel Spacing

Transmit Radiated Spurious Emissions: APX7500 ANALOG
Tx Power: 4 Watts

425.0125 MHz **Channel Spacing 12.5kHz | S/N CAI100441H**

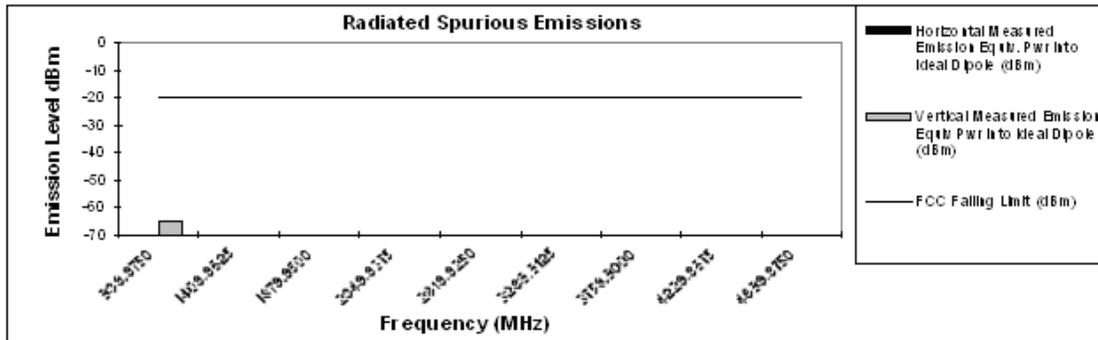
Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
850.0250	-20	*	*
1275.0375	-20	*	-71.22
1700.0500	-20	*	*
2125.0625	-20	*	*
2550.0750	-20	*	*
2975.0875	-20	*	*
3400.1000	-20	*	*
3825.1125	-20	*	*
4250.1250	-20	*	*



Transmit Radiated Spurious Emissions: APX7500 ANALOG
Tx Power: 4 Watts

469.9875 MHz **Channel Spacing 12.5kHz | S/N CAI100441H**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
939.9750	-20	-75.43	-64.71
1409.9625	-20	*	*
1879.9500	-20	*	*
2349.9375	-20	*	*
2819.9250	-20	*	*
3289.9125	-20	*	*
3759.9000	-20	*	*
4229.8875	-20	*	*
4699.8750	-20	*	*



* Indicates the spurious emission could not be detected due to noise limitations or ambients.
 The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Figure 6F-4: 4W, 425.0125 MHz & 469.9875 MHz, 12.5 kHz Channel Spacing

EXHIBIT 6G

Transmitter Conducted Spurious Emissions - Pursuant 47 CFR 2.1047 and 2.1033(c) (13)

Note: Red lines on graphs correspond to the FCC limit of -20 dBm for 12.5 KHz channel spacing and -13 dBm for 25 KHz channel spacing.

ANALOG MODE

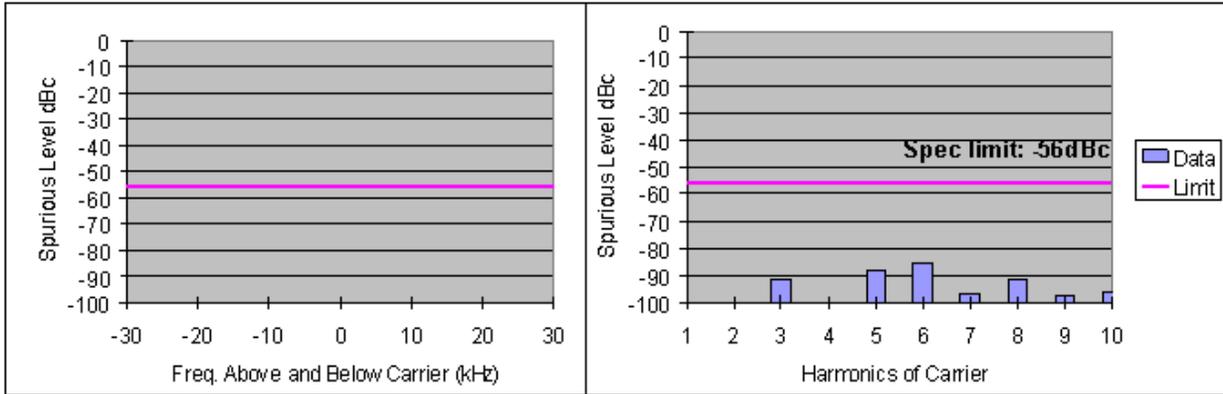


Figure 6G-1: 4W Harmonics of Carrier 380.0125 MHz, 25 kHz Channel Spacing

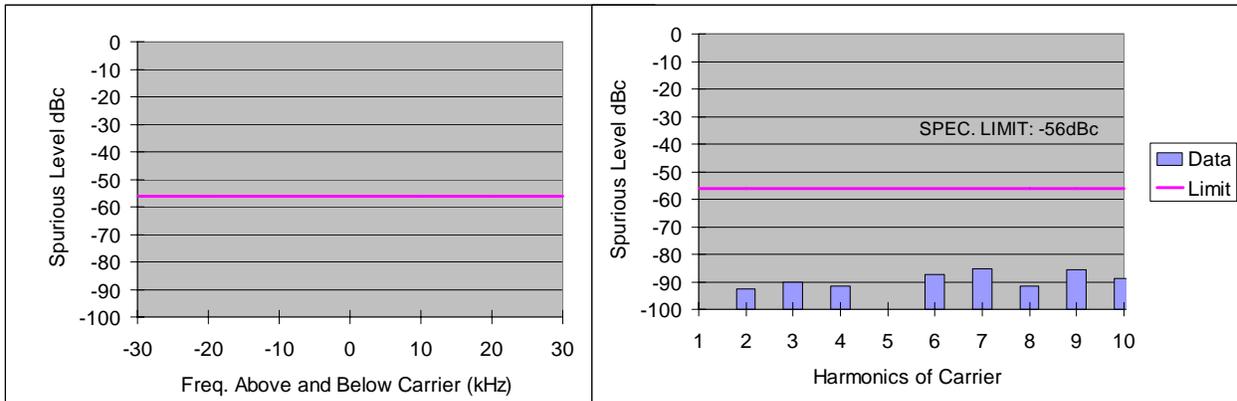


Figure 6G-2: 4W Harmonics of Carrier 406.2 MHz, 25 kHz Channel Spacing

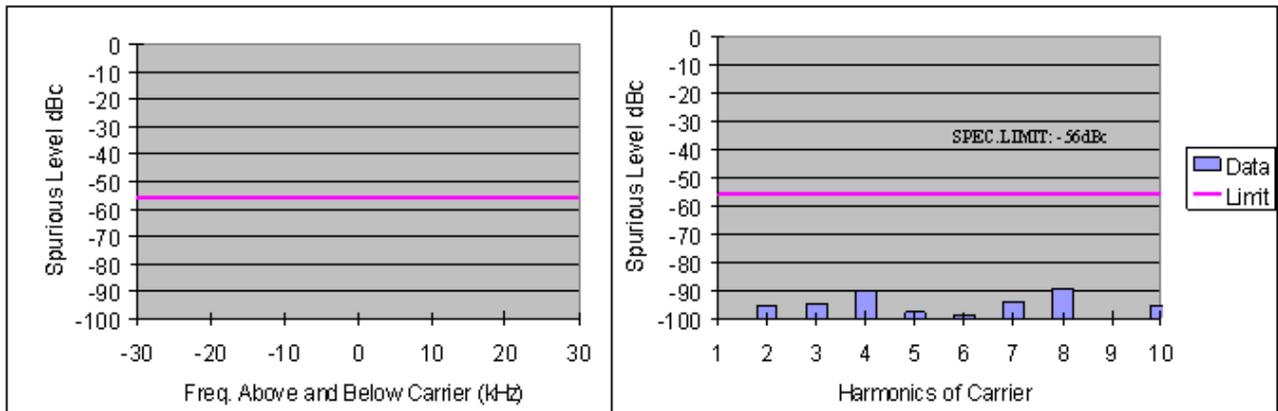


Figure 6G-3: 4W Harmonics of Carrier 425.0125 MHz, 25 kHz Channel Spacing

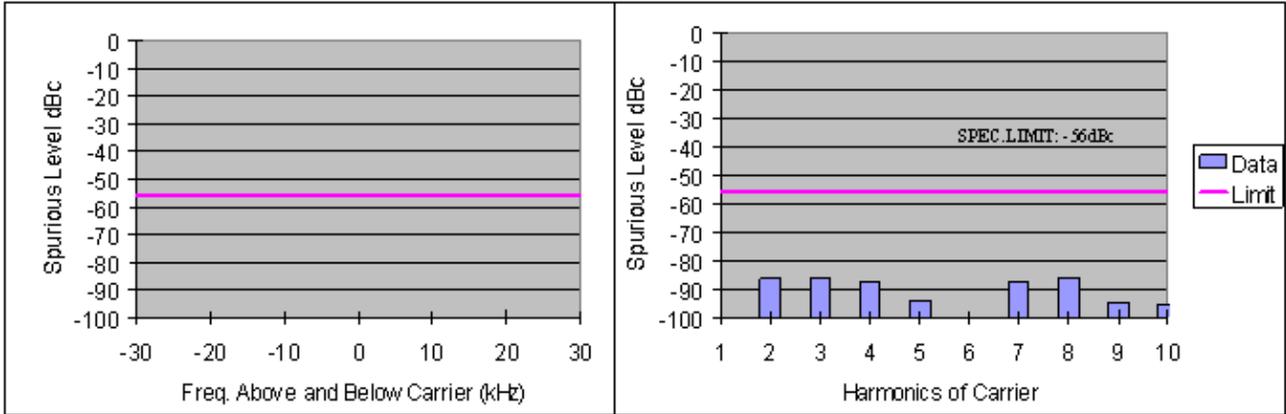


Figure 6G-4: 4W Harmonics of Carrier 469.9875 MHz, 25 kHz Channel Spacing

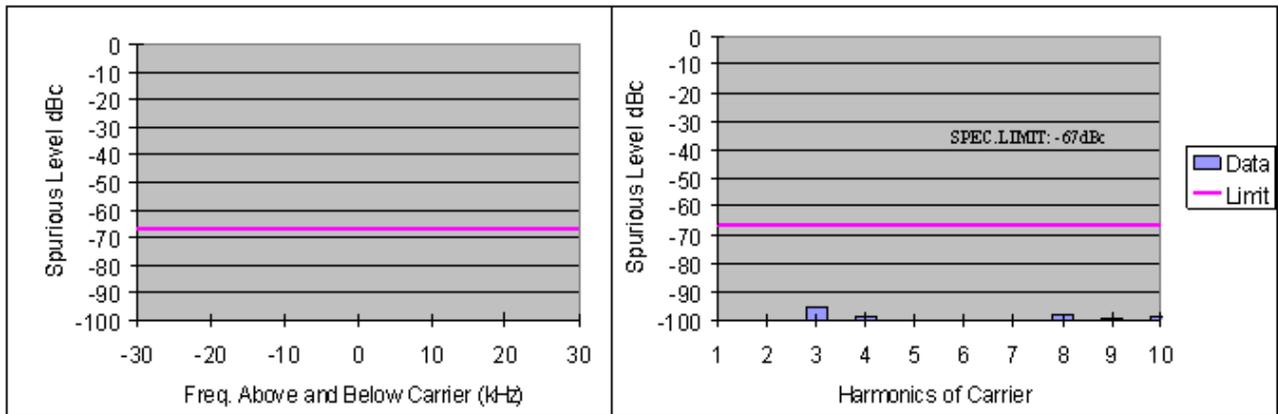


Figure 6G-5: 48W Harmonics of Carrier 380.0125 MHz, 25 kHz Channel Spacing

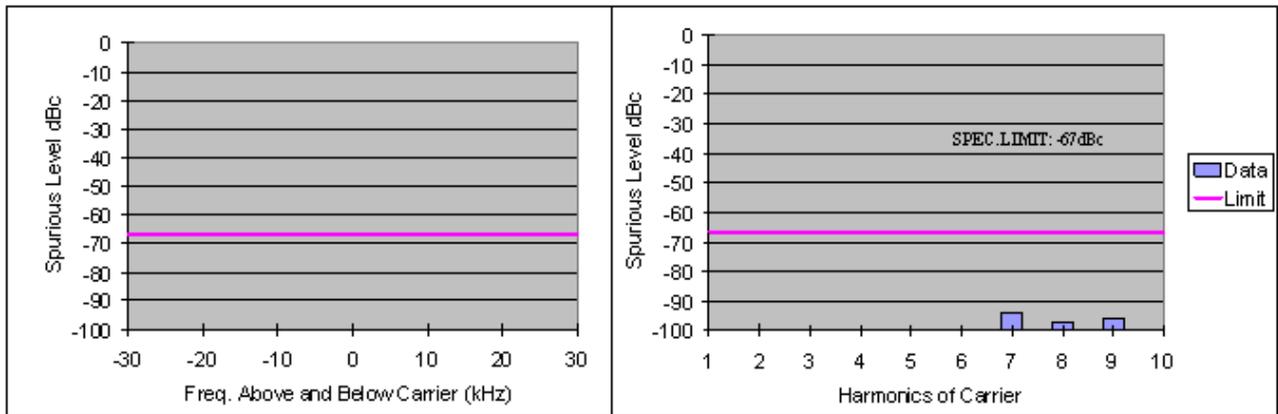


Figure 6G-6: 48W Harmonics of Carrier 406.2 MHz, 25 kHz Channel Spacing

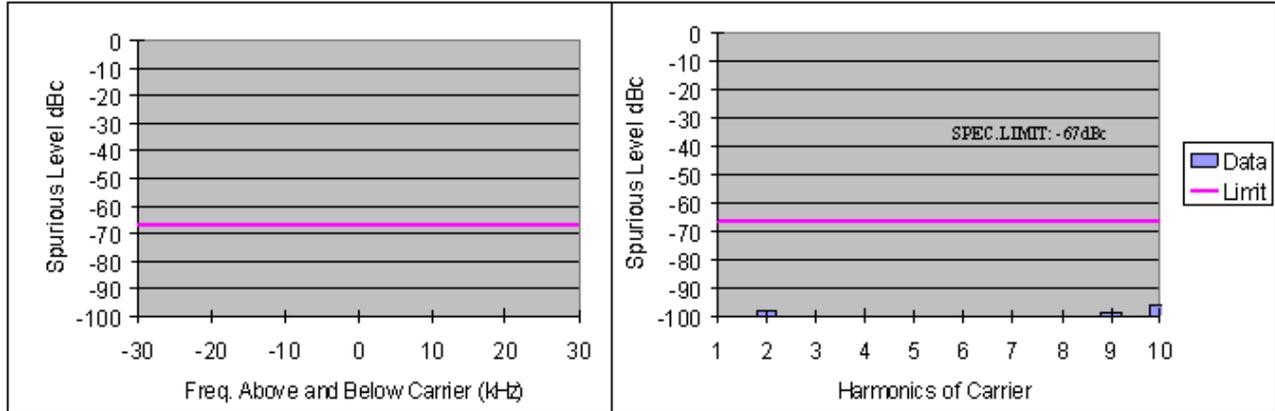


Figure 6G-7: 48W Harmonics of Carrier 425.0125 MHz, 25 kHz Channel Spacing

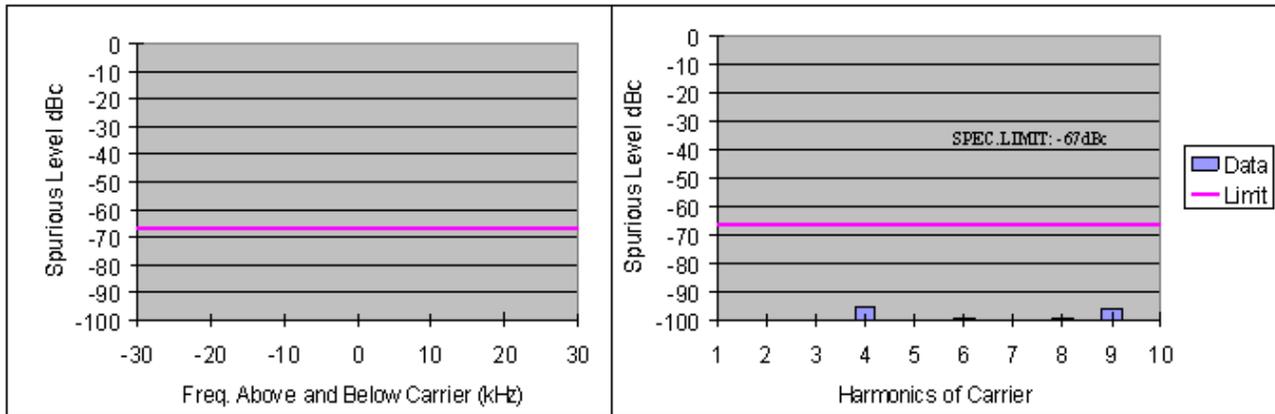


Figure 6G-8: 48W Harmonics of Carrier 469.9875 MHz, 25 kHz Channel Spacing

DIGITAL MODE

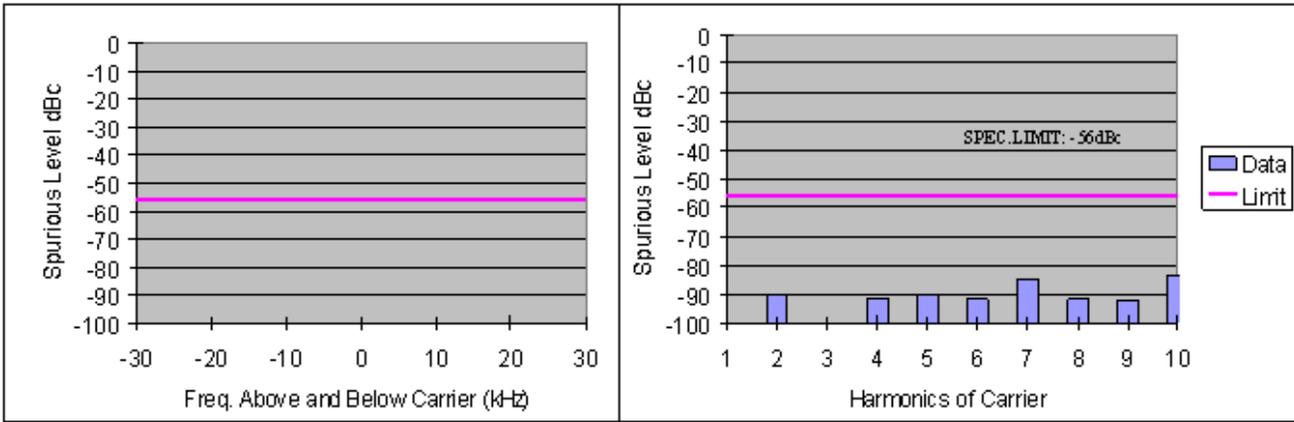


Figure 6G-9: 4W Harmonics of Carrier 380.0125 MHz, 12.5 kHz Channel Spacing

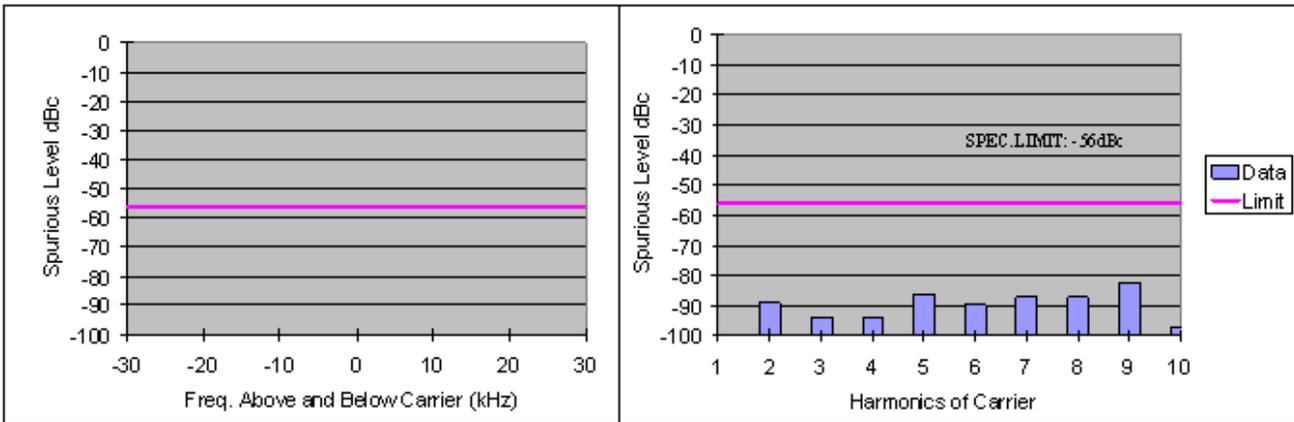


Figure 6G-10: 4W Harmonics of Carrier 406.2 MHz, 12.5 kHz Channel Spacing

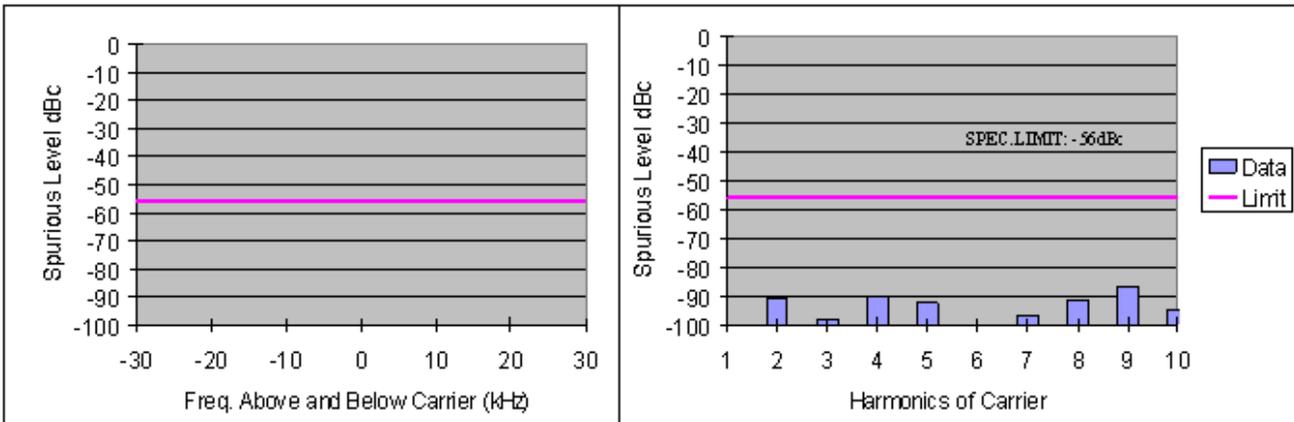


Figure 6G-11: 4W Harmonics of Carrier 425.0125 MHz, 12.5 kHz Channel Spacing

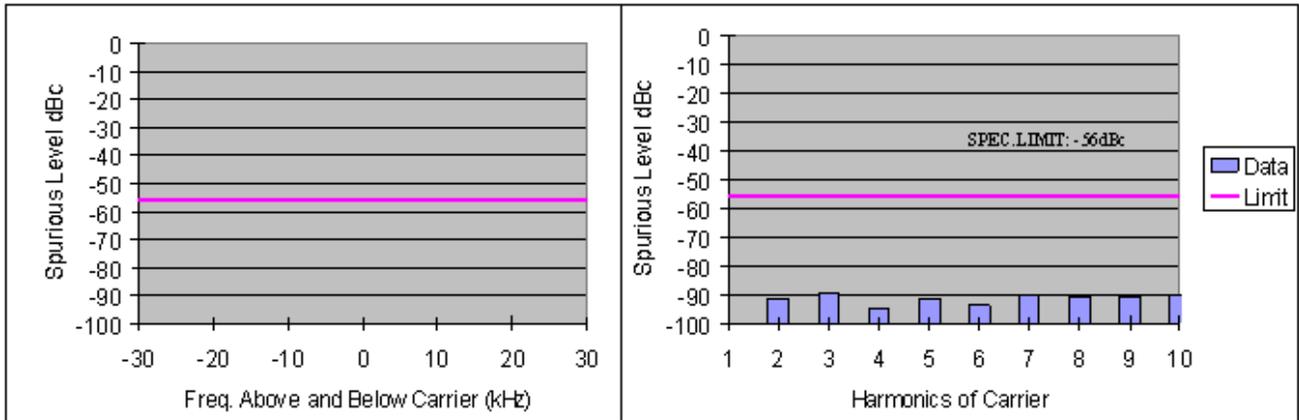


Figure 6G-12: 4W Harmonics of Carrier 469.9875 MHz, 12.5 kHz Channel Spacing

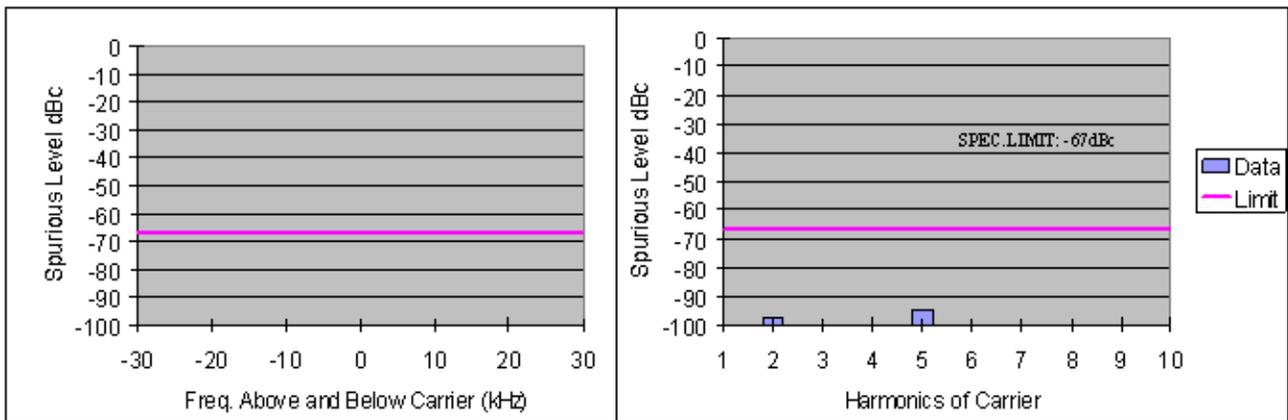


Figure 6G-13: 48W Harmonics of Carrier 380.0125 MHz, 12.5 kHz Channel Spacing

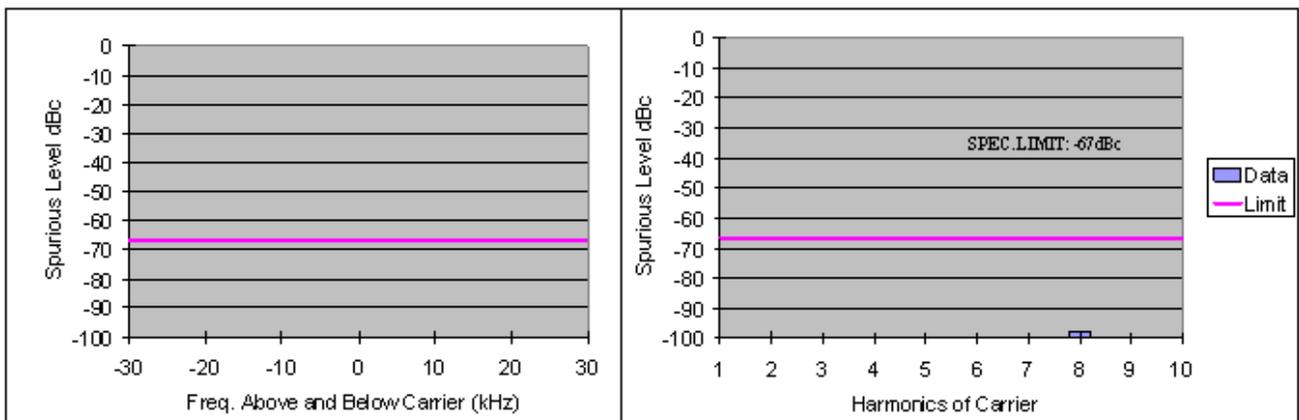


Figure 6G-14: 48W Harmonics of Carrier 406.2 MHz, 12.5 kHz Channel Spacing

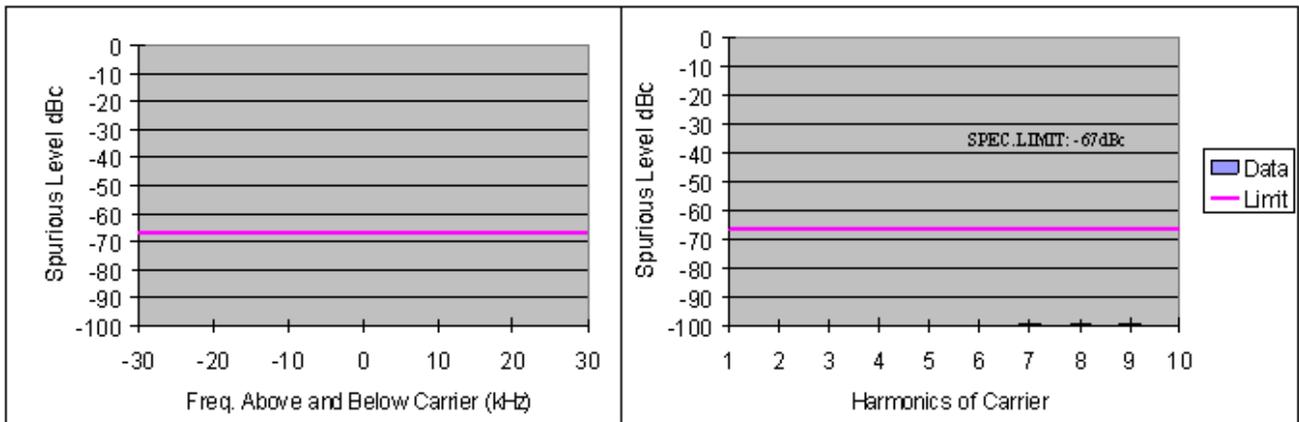


Figure 6G-15: 48W Harmonics of Carrier 425.0125 MHz, 12.5 kHz Channel Spacing

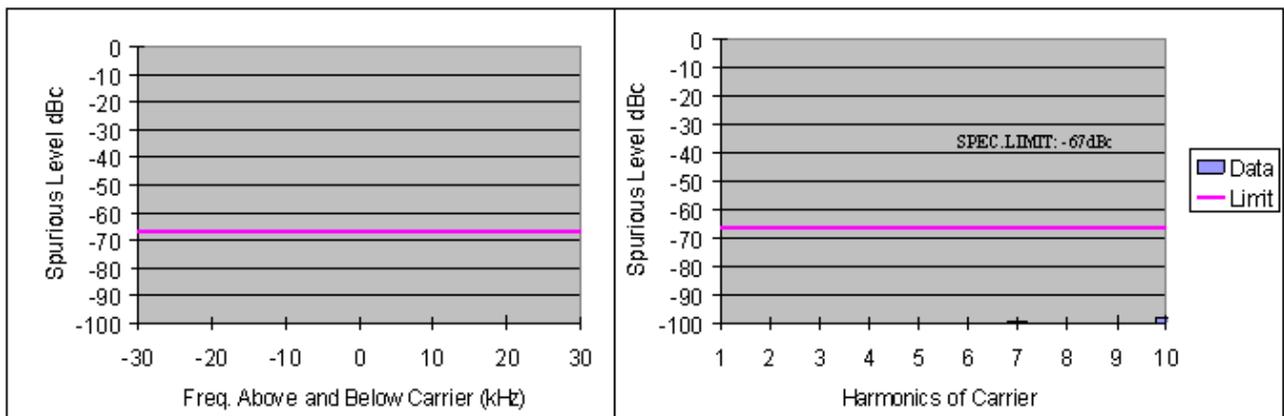


Figure 6G-16: 48W Harmonics of Carrier 469.9875 MHz, 12.5 kHz Channel Spacing

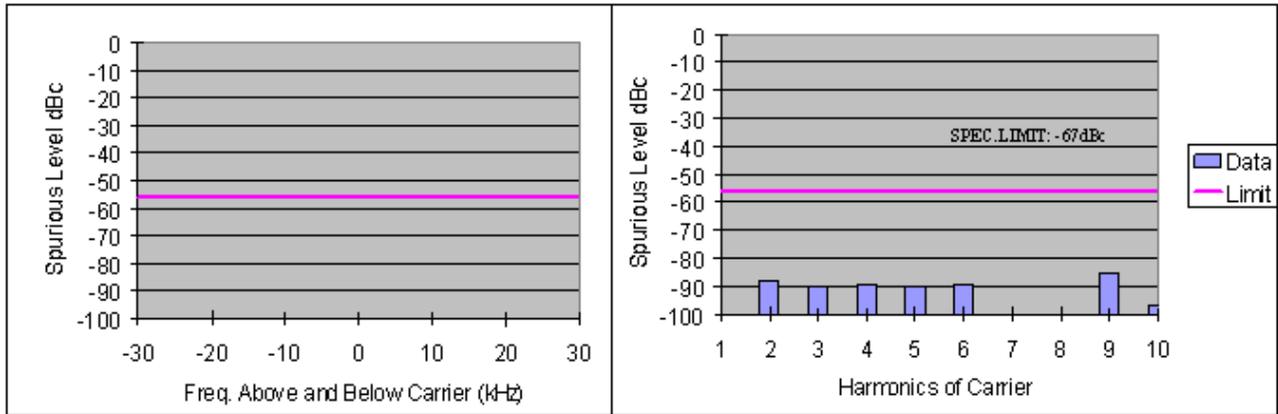


Figure 6G-17: 4W Harmonics of Carrier 380.0125 MHz, 12.5 kHz Channel Spacing

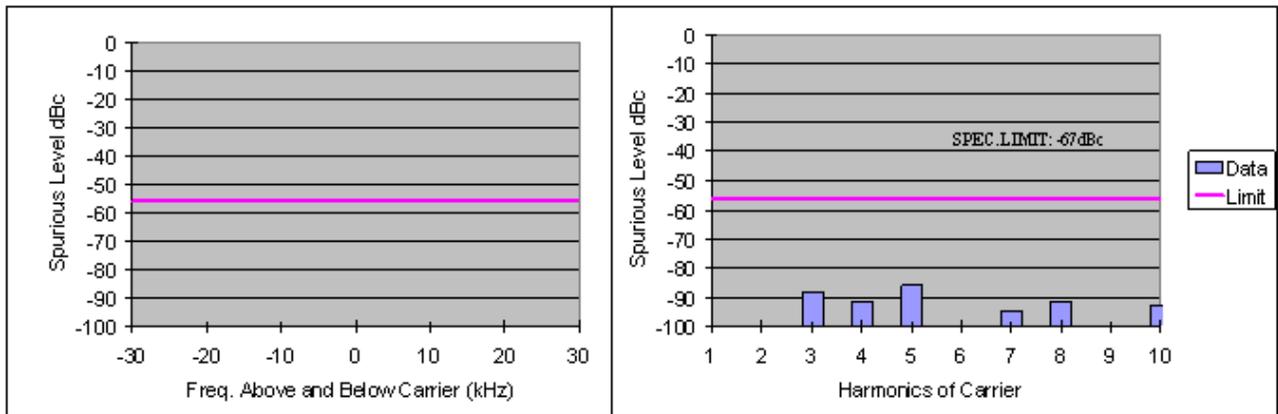


Figure 6G-18: 4W Harmonics of Carrier 406.2 MHz, 12.5 kHz Channel Spacing

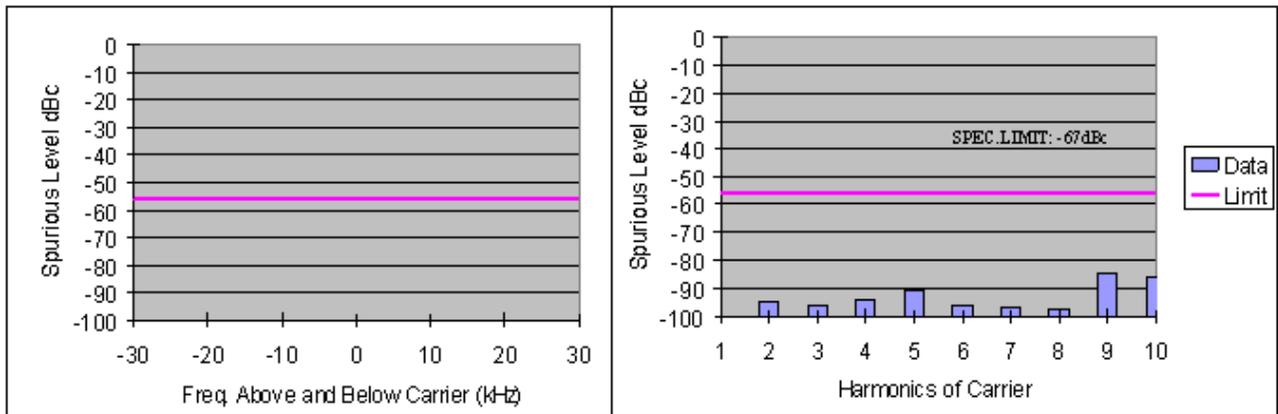


Figure 6G-19: 4W Harmonics of Carrier 425.0125 MHz, 12.5 kHz Channel Spacing

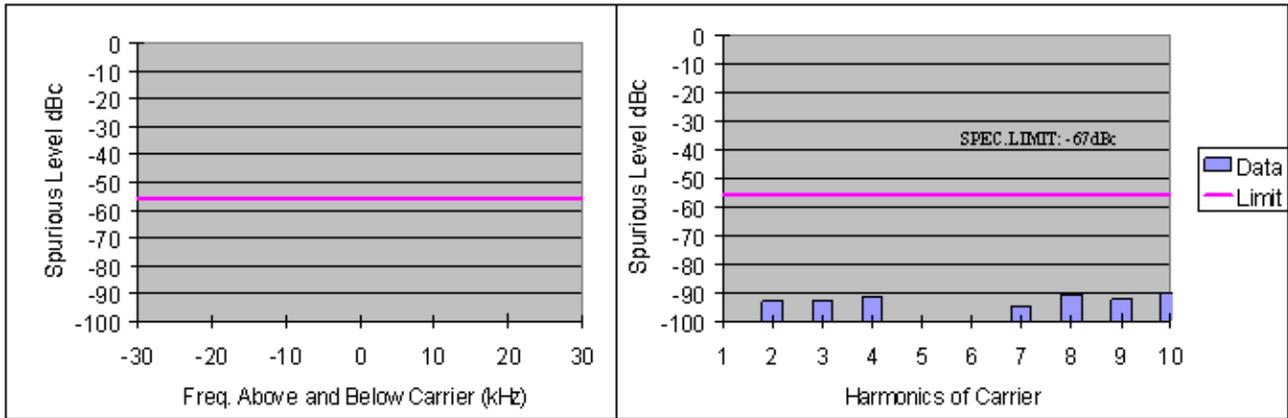


Figure 6G-20: 4W Harmonics of Carrier 469.9875 MHz, 12.5 kHz Channel Spacing

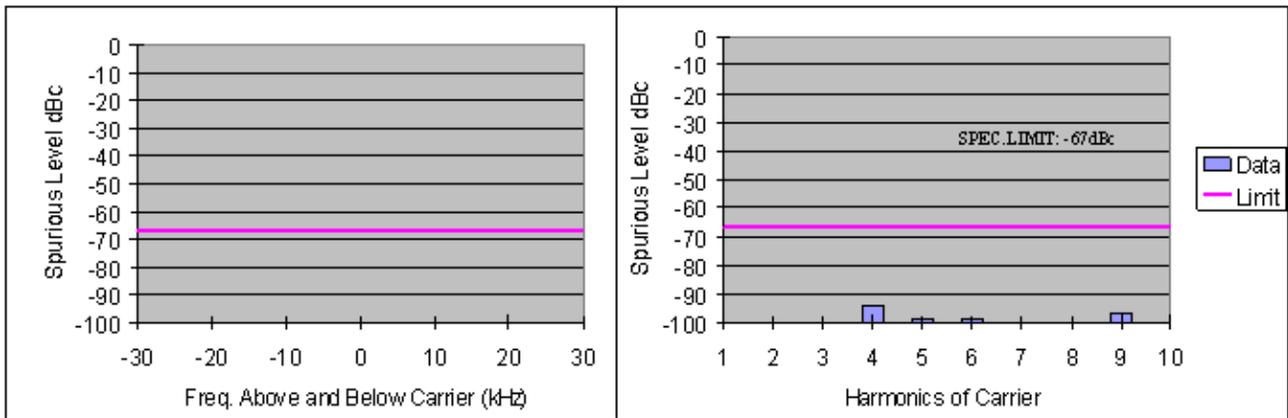


Figure 6G-21: 48W Harmonics of Carrier 380.0125 MHz, 12.5 kHz Channel Spacing

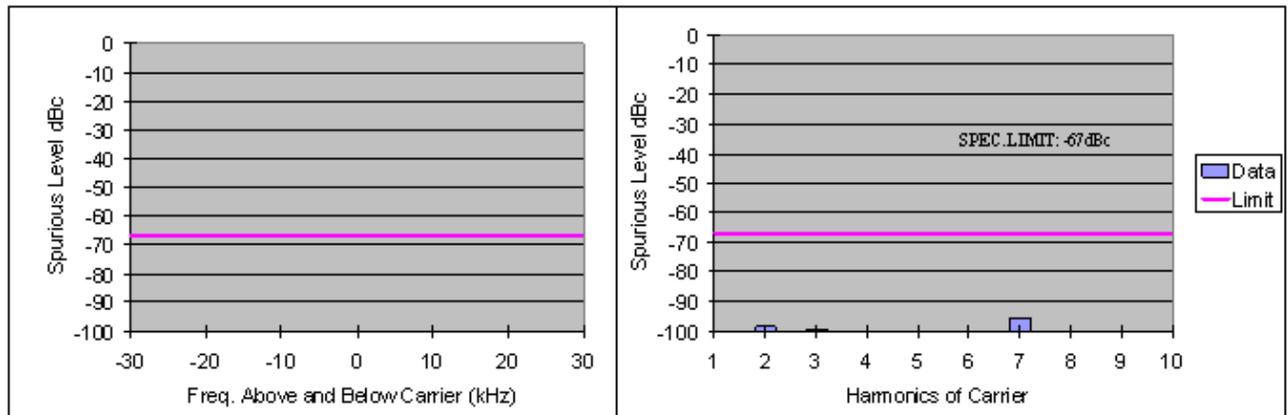


Figure 6G-22: 48W Harmonics of Carrier 406.2 MHz, 12.5 kHz Channel Spacing

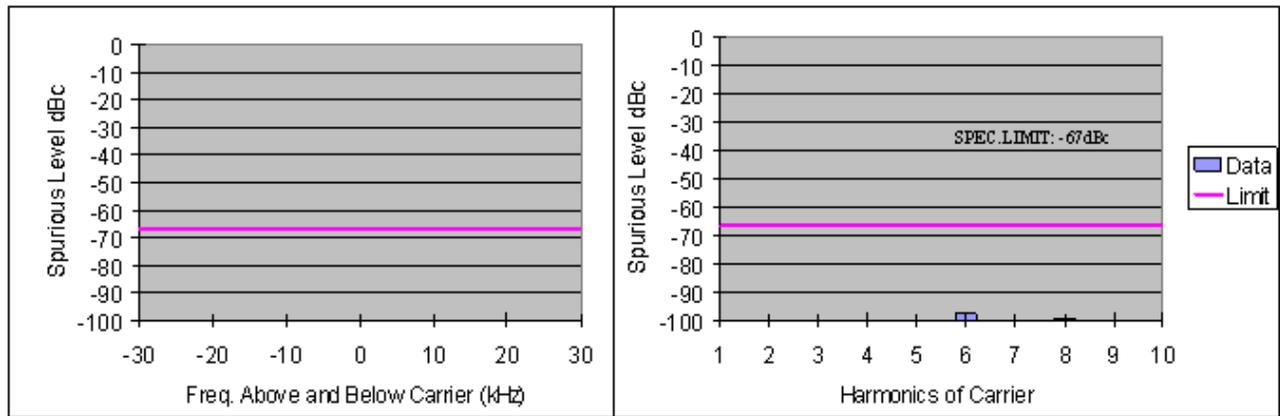


Figure 6G-23: 48W Harmonics of Carrier 425.0125 MHz, 12.5 kHz Channel Spacing

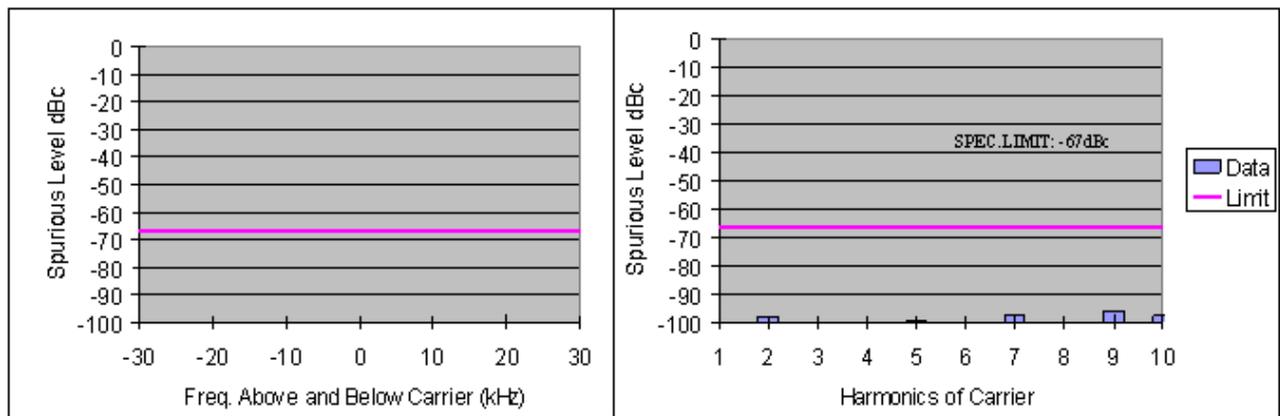


Figure 6G-24: 48W Harmonics of Carrier 469.9875 MHz, 12.5 kHz Channel Spacing

EXHIBIT 6H

Frequency Stability - Pursuant 47 CFR 2.1047 and 2.1033(c)(13)

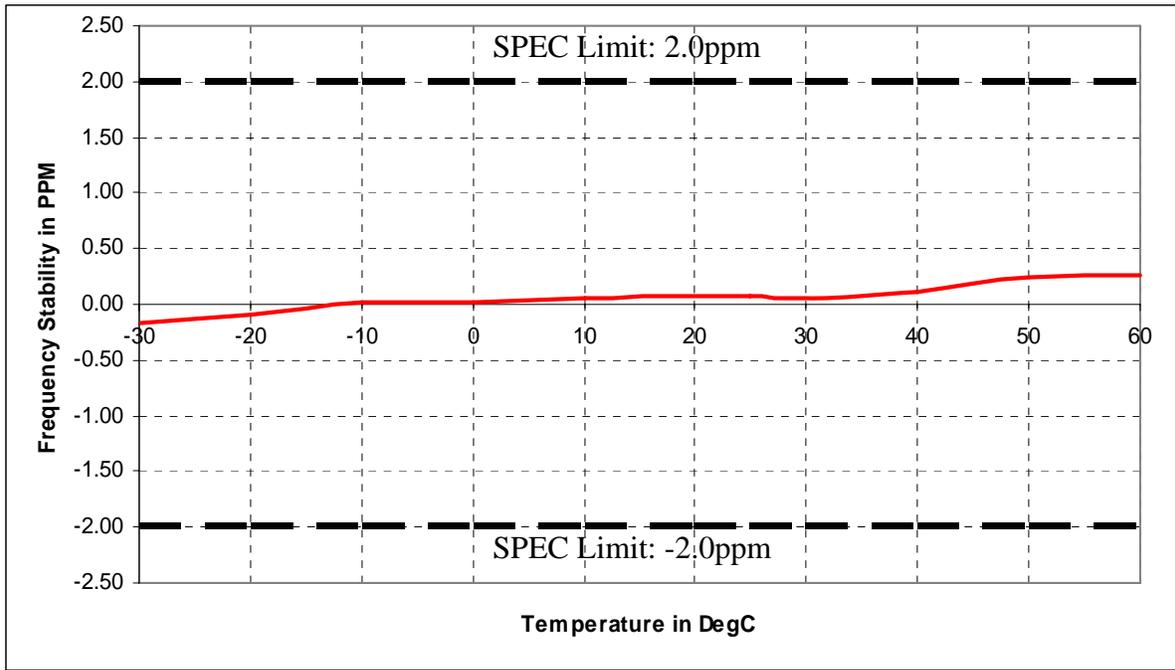
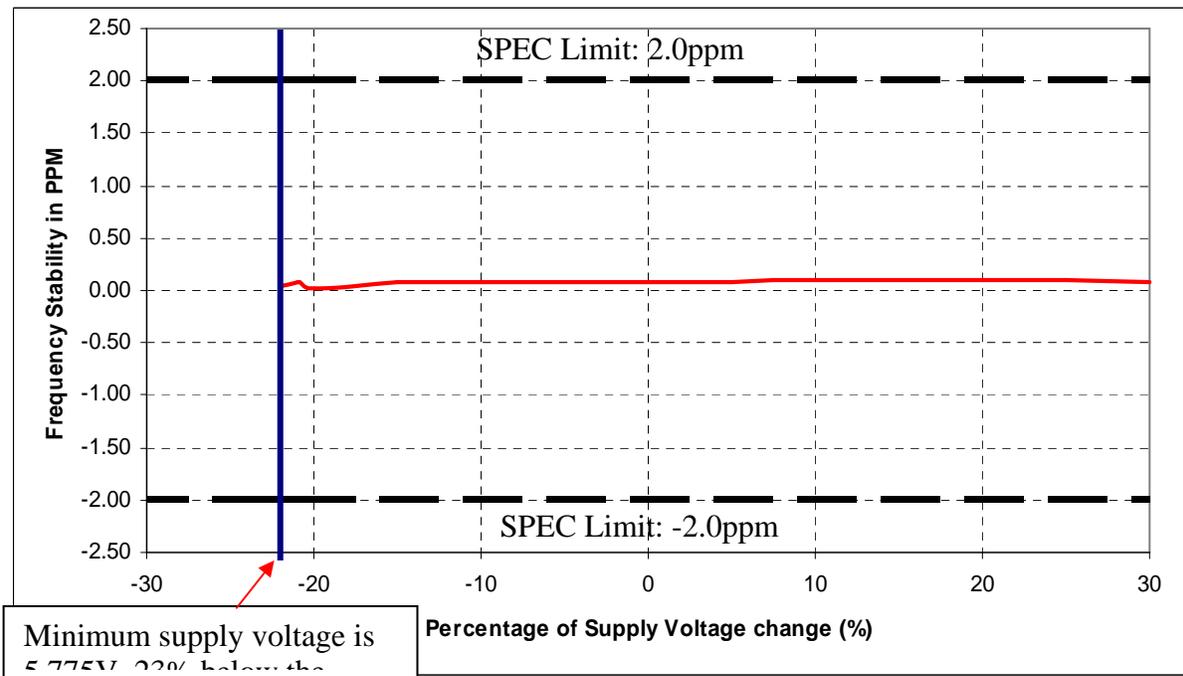


Figure 6H-1: Frequency Stability vs. Temperature, 425.0125MHz, -30°C to 60°C



Minimum supply voltage is 5.775V, 22% below the

Figure 6H-2: Frequency Stability vs. Supply Voltage Change, 425.0125MHz

EXHIBIT 6I

Transient Frequency Behavior

ANALOG MODE

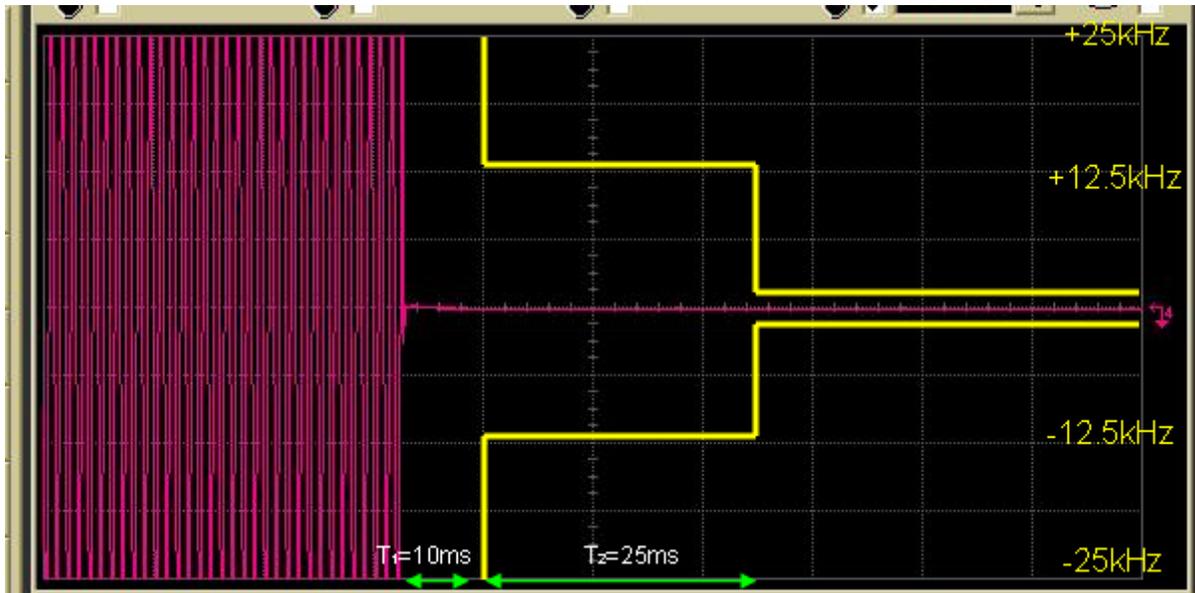


Figure 6I-1: Transient Frequency Behavior. 425.0125 MHz, 25 kHz Channel Spacing, Key-up Transient

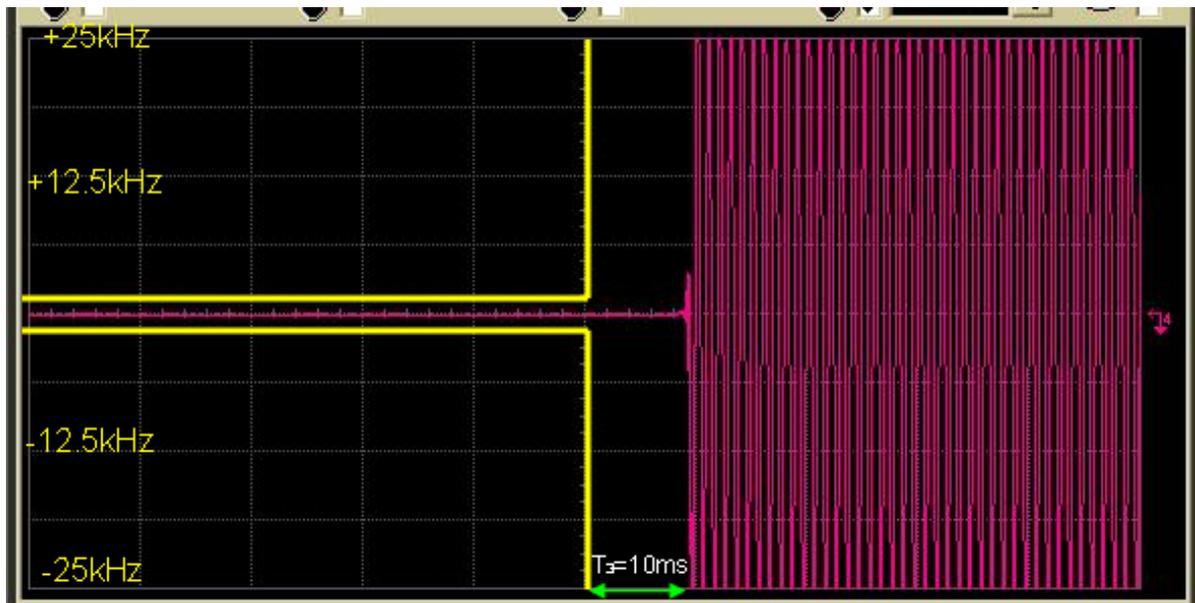


Figure 6I-2: Transient Frequency Behavior. 425.0125 MHz, 25 kHz Channel Spacing, De-Key Transient

DIGITAL MODE

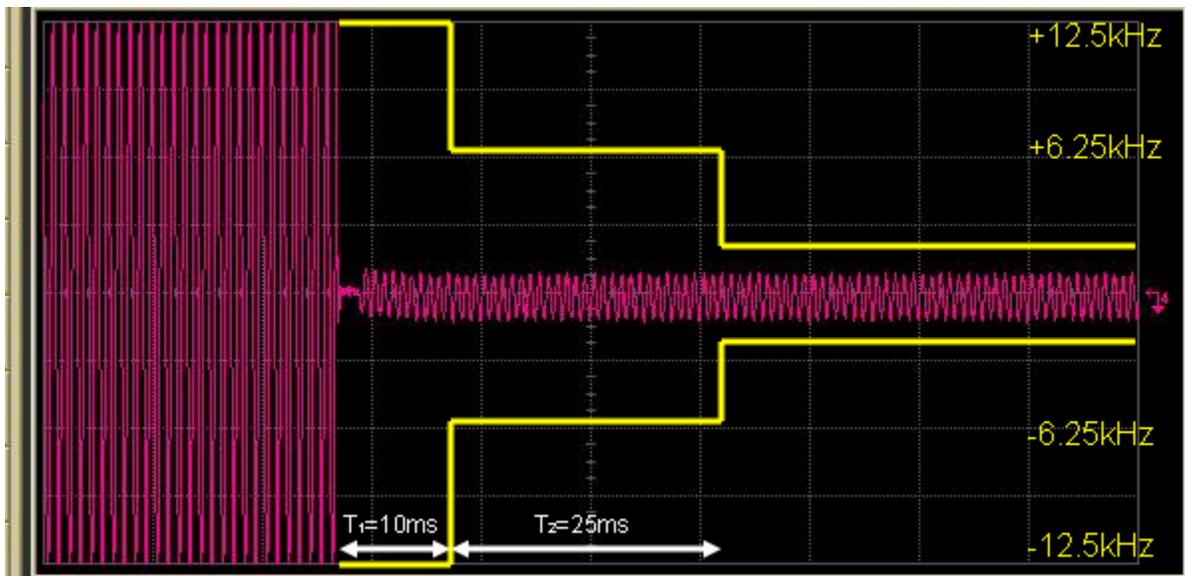


Figure 6I-3: Transient Frequency Behavior. 425.0125 MHz, 12.5 kHz Channel Spacing, Key-up Transient

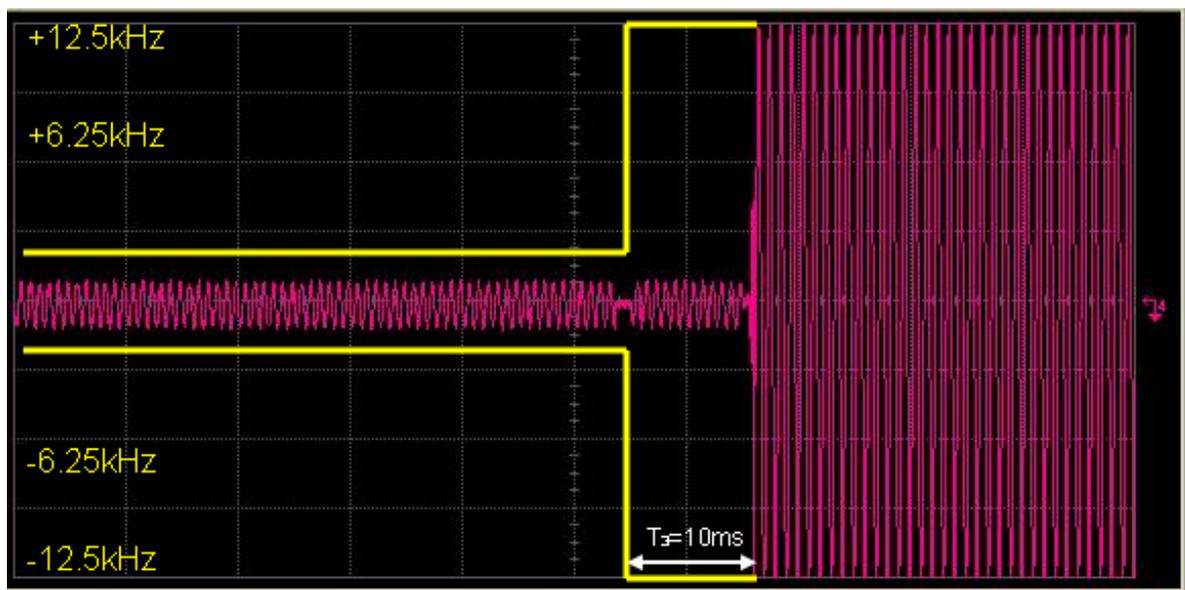


Figure 6I-4: Transient Frequency Behavior. 425.0125 MHz, 12.5 kHz Channel Spacing, De-Key Transient