EXHIBIT 6

INDEX OF SUBMITTED MEASURED DATA

* The test data is re-used and taken from AZ492FT4894 and AZ492FT7037.

EXHIBIT 6A

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

Frequency =764.0125 MHz:

Output RF power	2 Watts
DC Voltage	13.6 Volts
DC Current	1.9 A

Frequency =764.0875 MHz:

Output RF power	3.5 Watts
DC Voltage	13.6 Volts
DC Current	2.4 A
Output RF power	18 Watts
DC Voltage	13.6 Volts
DC Current	5.35 A
Output RF power	36 Watts
DC Voltage	13.6 Volts
DC Current	7.94 A

Frequency =823.9875 MHz:

Output RF power	3.5 Watts
DC Voltage	13.6 Volts
DC Current	2.52 A
Output RF power	21 Watts
DC Voltage	13.6 Volts
DC Current	5.9 A
Output RF power	42 Watts
DC Voltage	13.6 Volts
DC Current	8.95 A

Frequency =868.9875 MHz:

Output RF power	3.5 Watts
DC Voltage	13.6 Volts
DC Current	2.22 A
Output RF power	21 Watts
DC Voltage	13.6 Volts
DC Current	5.15 A
Output RF power	42 Watts
DC Voltage	13.6 Volts
DC Current	7.8 A

EXHIBIT 6B

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

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

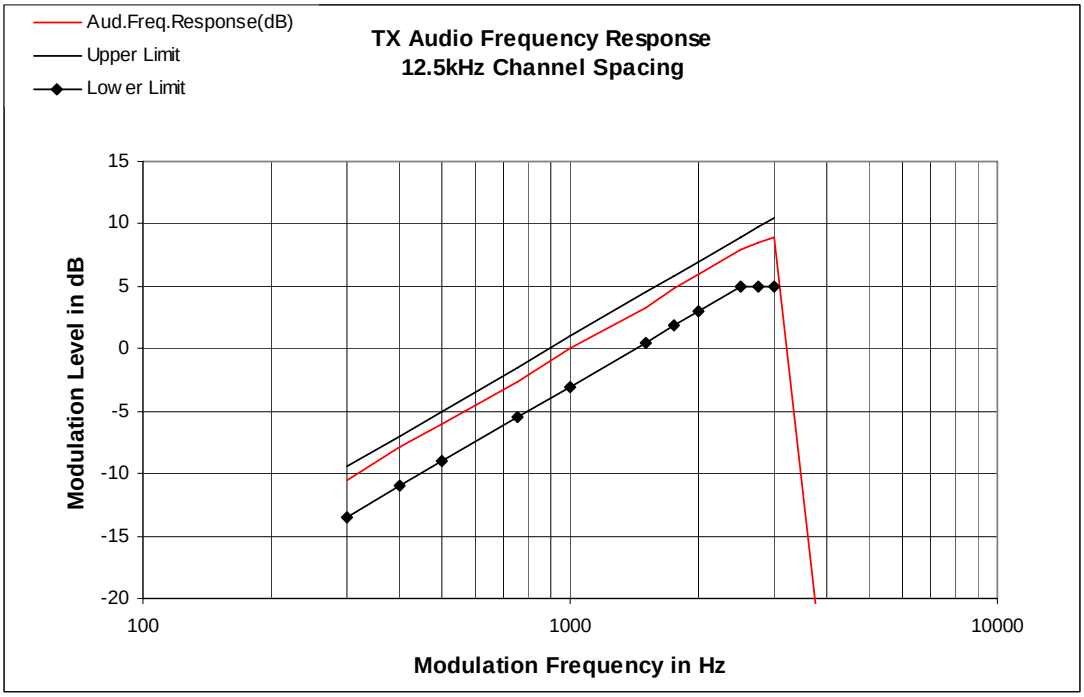


Figure 6B-1: 12.5 kHz Channel Spacing, 425.0125 MHz

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

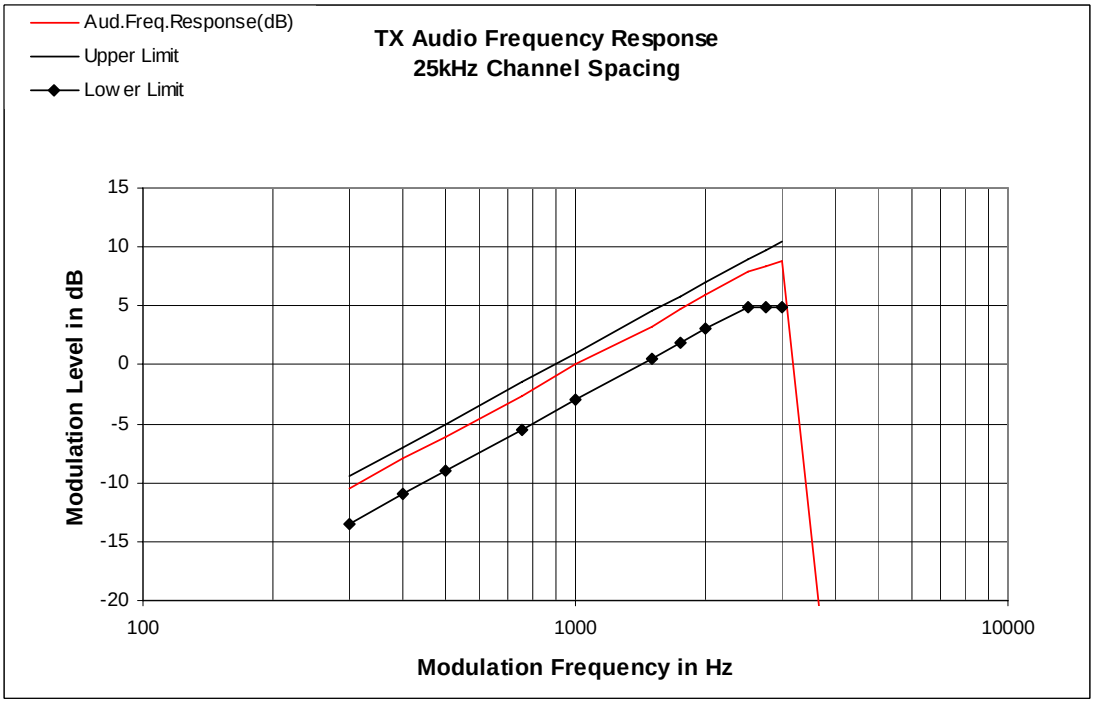


Figure 6B-2: 25 kHz Channel Spacing, 425.0125 MHz

Audio Frequency Response

(Freq: 860.0125MHz, ChSp: 12.5 kHz)

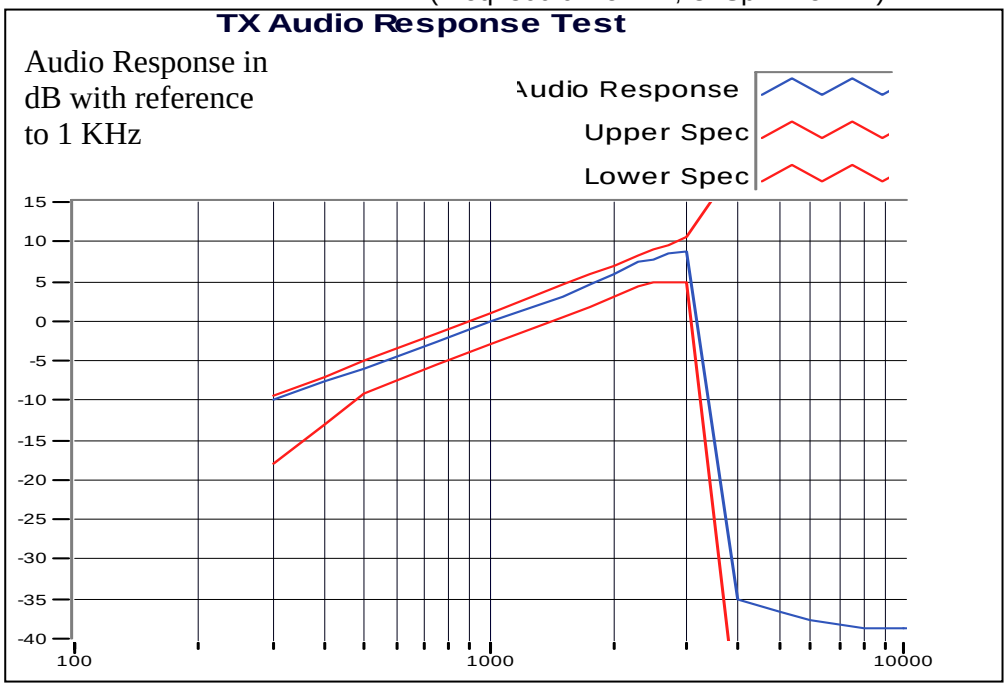


Figure 6B-3: 12.5 KHz Channel Spacing, 860.0125MHz

Audio Frequency Response

(Freq: 860.0125MHz, ChSp: 25 kHz)

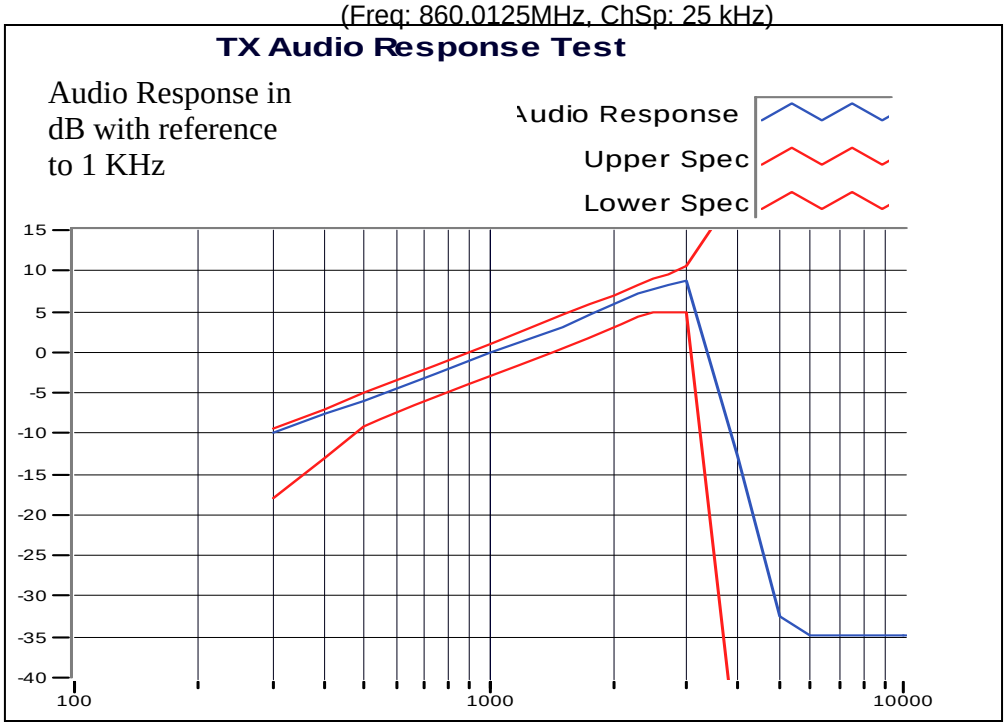


Figure 6B-4: 25 KHz Channel Spacing, 860.0125MHz

EXHIBIT 6C

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

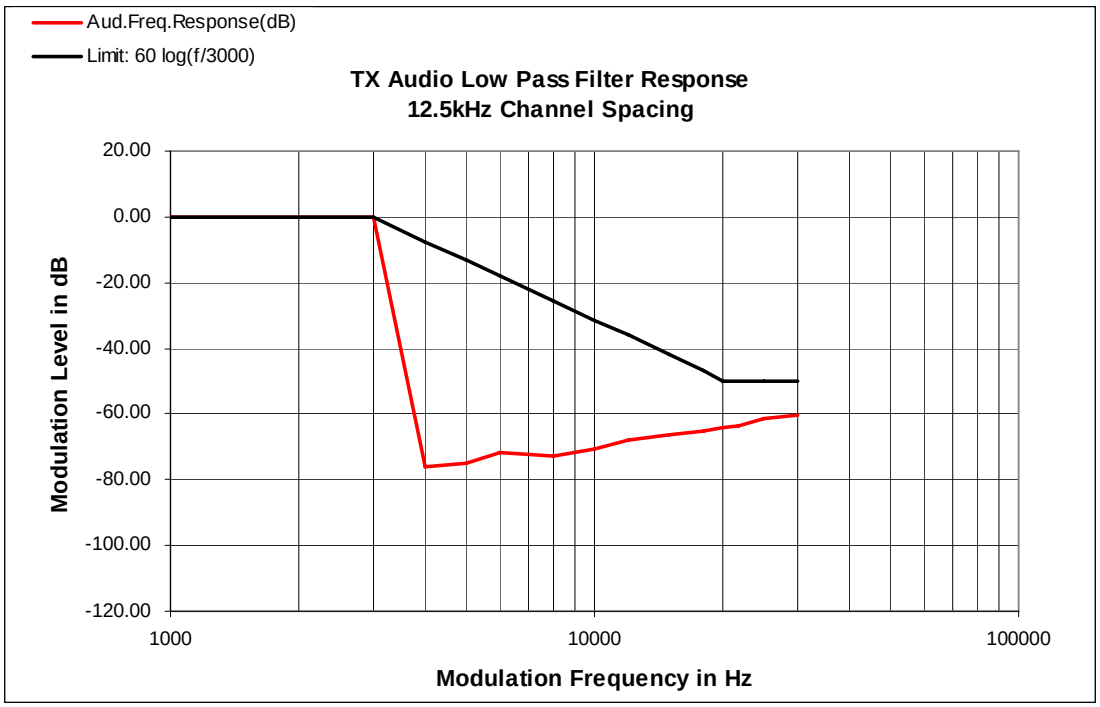


Figure 6C-1: 12.5 kHz Channel Spacing, 425.0125 MHz

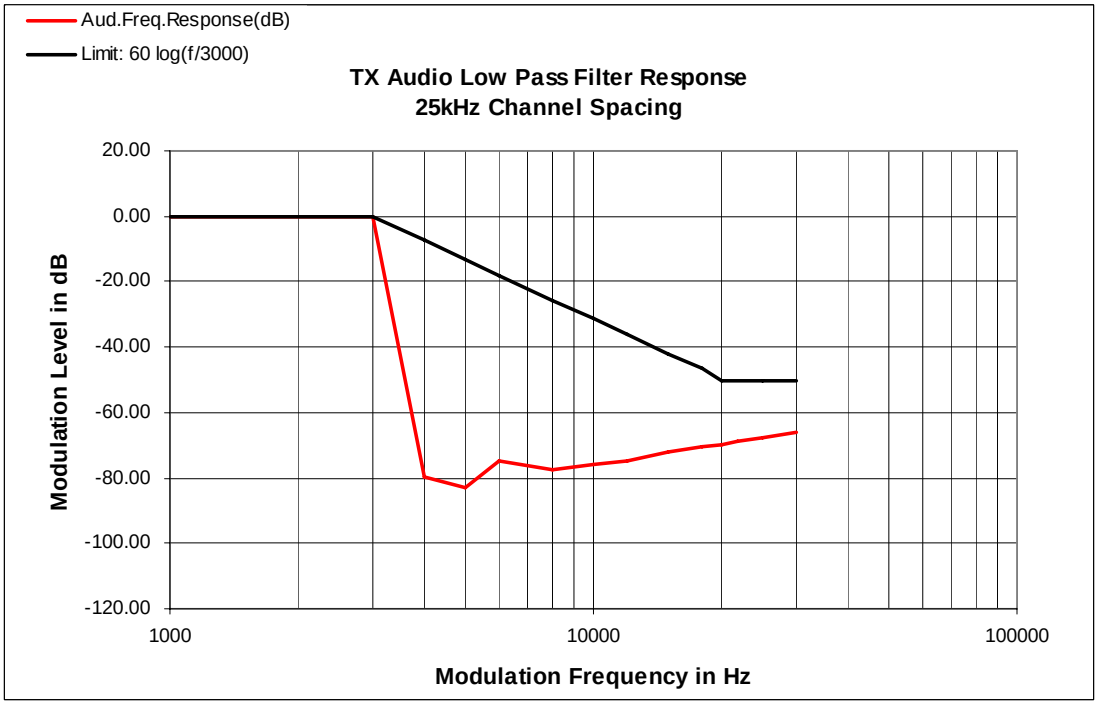


Figure 6C-1: 25 kHz Channel Spacing, 425.0125 MHz

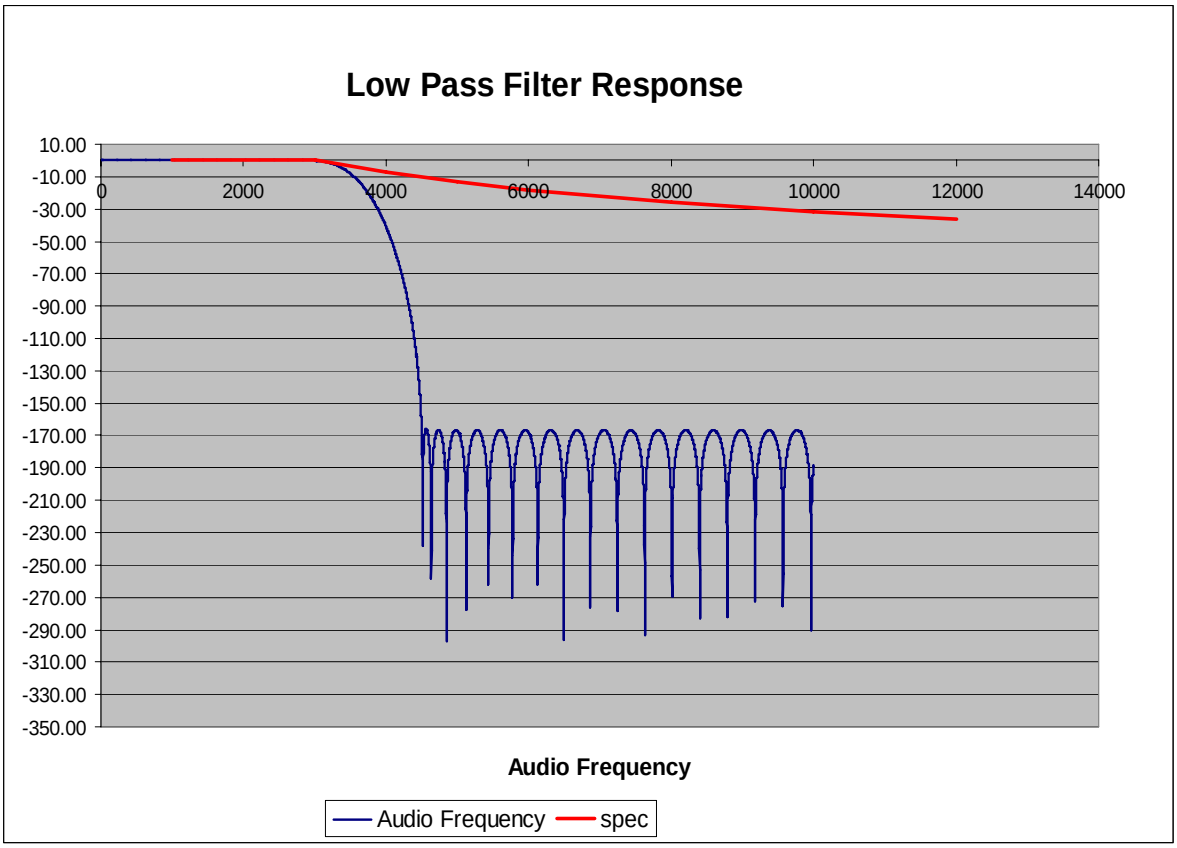


Figure 6C-3: 1860.0125MHz, Transmit Audio Low Pass Filter Response

EXHIBIT 6D

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

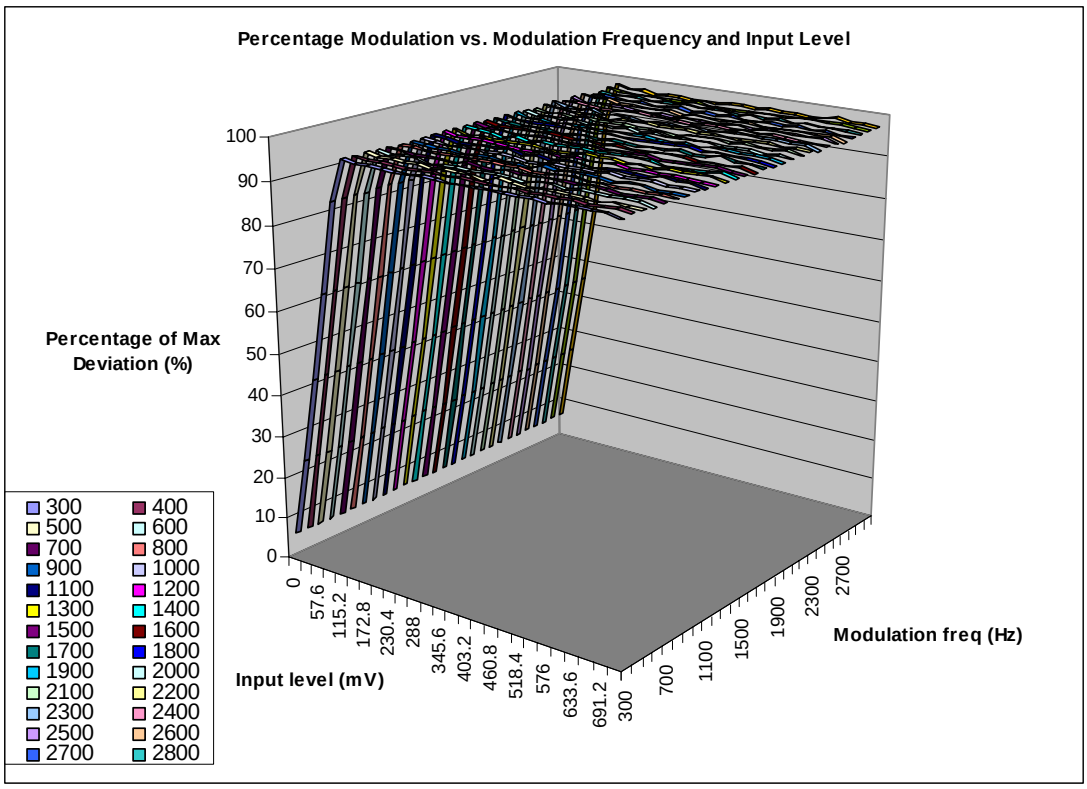


Figure 6D-1: The Percentage of Max. Deviation on the “Z” axis is referenced to 2.5 kHz for 12.5 kHz bandwidth

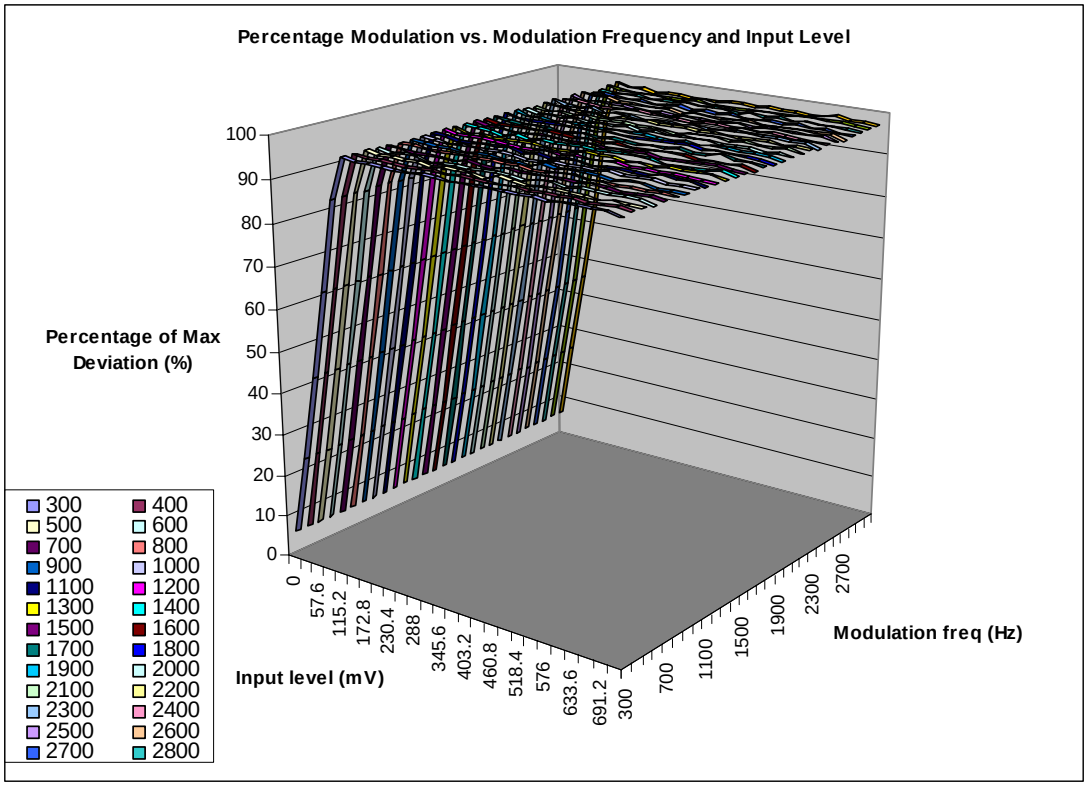


Figure 6D-2: The Percentage of Max. Deviation on the “Z” axis is referenced to 5.0 kHz for 25 kHz bandwidth

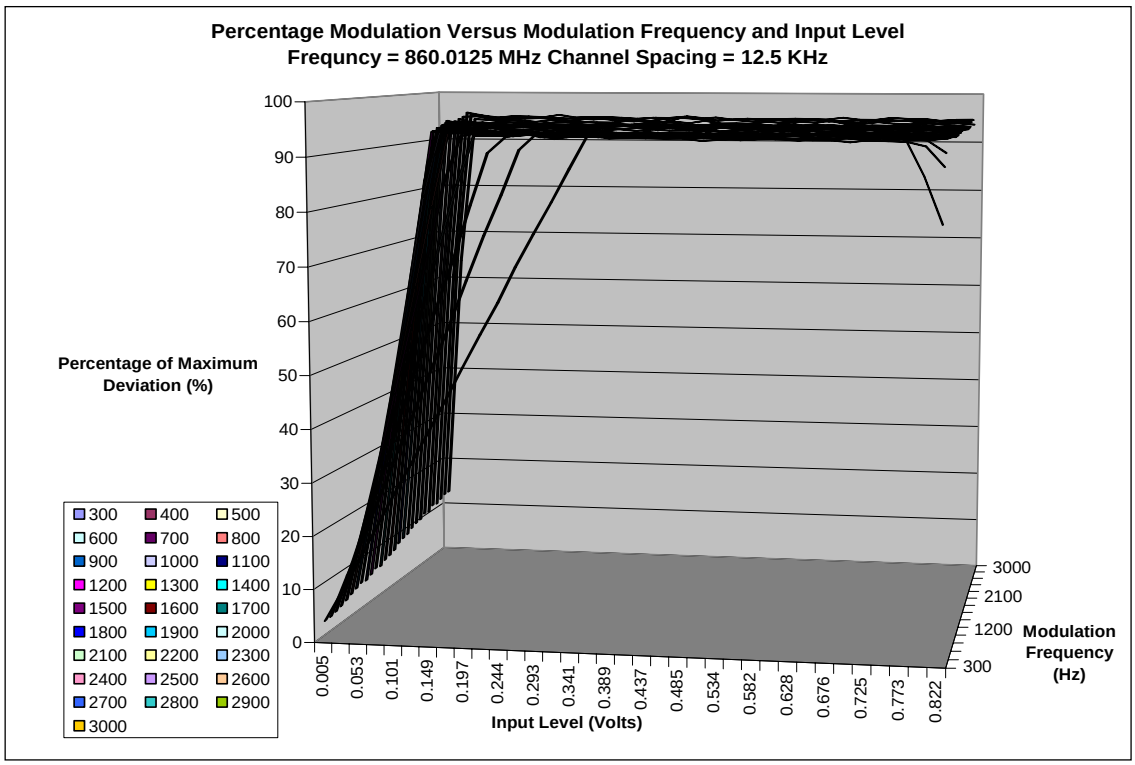


Figure 6D-3: The Percentage of Max. Deviation on the "Z" axis is referenced to 2.5 KHz for 12.5 KHz bandwidth

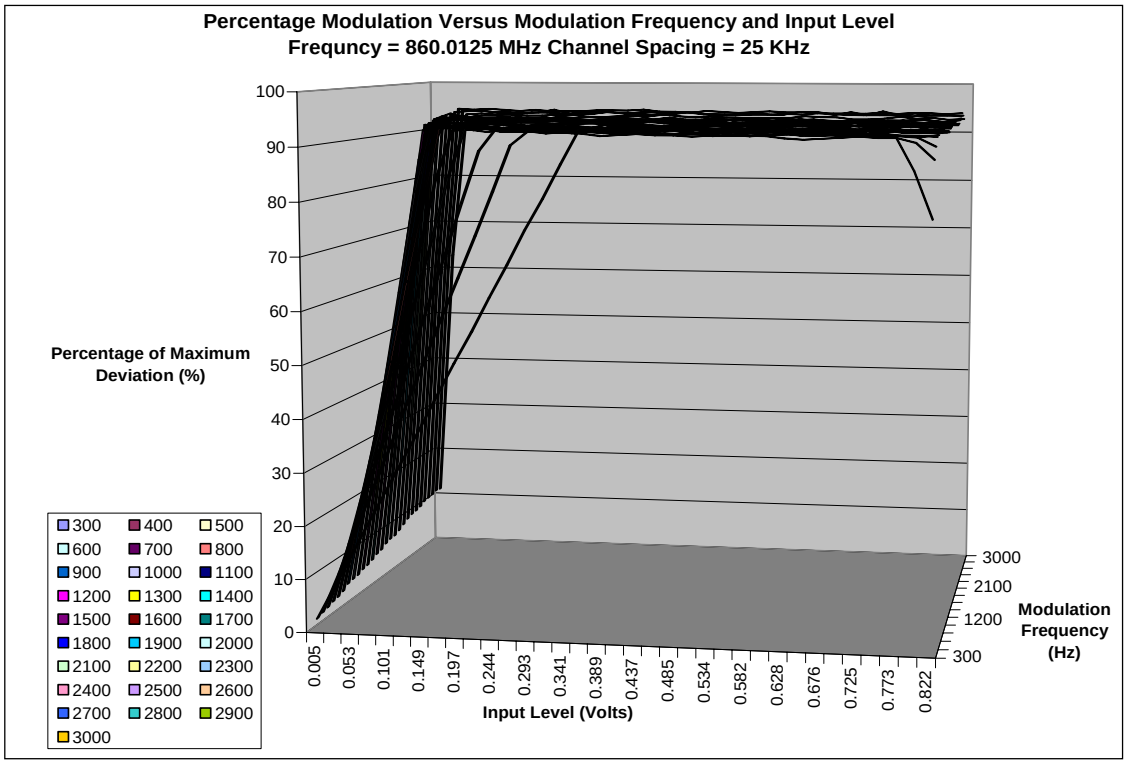


Figure 6D-4: The Percentage of Max. Deviation on the "Z" axis is referenced to 5.0 KHz for 25 KHz bandwidth

EXHIBIT 6E
Occupied Bandwidth Data -- Pursuant 47 CFR 2.1049, 90.210(g) and 90.691

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) where:
BW = Bandwidth

M= Maximum modulating frequency
D = Deviation

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 KHz + 2.5 KHz) = 11 KHz =➔ 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 KHz + 5 KHz) = 16 KHz =➔ 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 KHz + 4 KHz) = 20 KHz =➔ 20K0
F1E portion of the designator indicates digital voice.

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

EXHIBIT 6E-7

Securenet Mode (20.0 KHz Channelization, Analog Voice with Encryption):
Emission Designator 20K0F1E

In this case, the maximum modulating frequency is 6.0 KHz with a 4.0 KHz deviation.

BW = 2(M+D) = 2*(6.0 KHz + 4.0 KHz) = 20 KHz ===> 20K0
F1E portion of the designator indicates digital voice.

Therefore, the entire designator for 20.0 KHz channelization securenet mode (analog voice with encryption) is 20K0F1E.

Note: The 90.203(j) efficiency standard for "F1D" emission is met by sending 2 bits at a time, at a rate of 4800 symbols/second. This yields 9600 bits/second, which is achieved using the modulation technique described in the note below. Modulation results from one of the digital 4-level standard symbol patterns applied to the modulation at a rate of 9600 bits/second. The modulation technique is 4-level FM. The information bits are commonly represented by a symbol that corresponds to one of 4 levels of FM deviation according to the following table.

Information Bits	Symbol	C4FM Deviation
01	+3	+1.8 KHz
00	+1	+0.6 KHz
10	-1	-0.6 KHz
11	-3	-1.8 KHz

For example, an 8-bit binary pattern of 0010 1101 would be sent as symbols +1, -1, -3, +3, which would cause a modulation signal (Frequency-Shift-Keyed) of +1.8 KHz, -600 Hz, -1.8 KHz, and +1.8 KHz. This results in 9600 bits/second of information being sent on a 12.5 KHz channel, which is the equivalent of 4800 bits/second per 6.25 KHz.

Note: The "F1D", "F1E" and "F1W" signal parameters are described as follows: The modulation is 4-level FSK with +/-600 Hz and +/-1.8 KHz shifting (+/-600 Hz and +/-1.8 KHz are the 4 distinct levels of signals). The digital voice test pattern is created by a 2500 Hz sine wave modulated at a level that is 16 dB above that required to produce 50% deviation at the radio output. The digital data test signal is generated by an internally generated pseudo random test pattern based on ITU-T 0.153 (formally CCITT V.52).

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

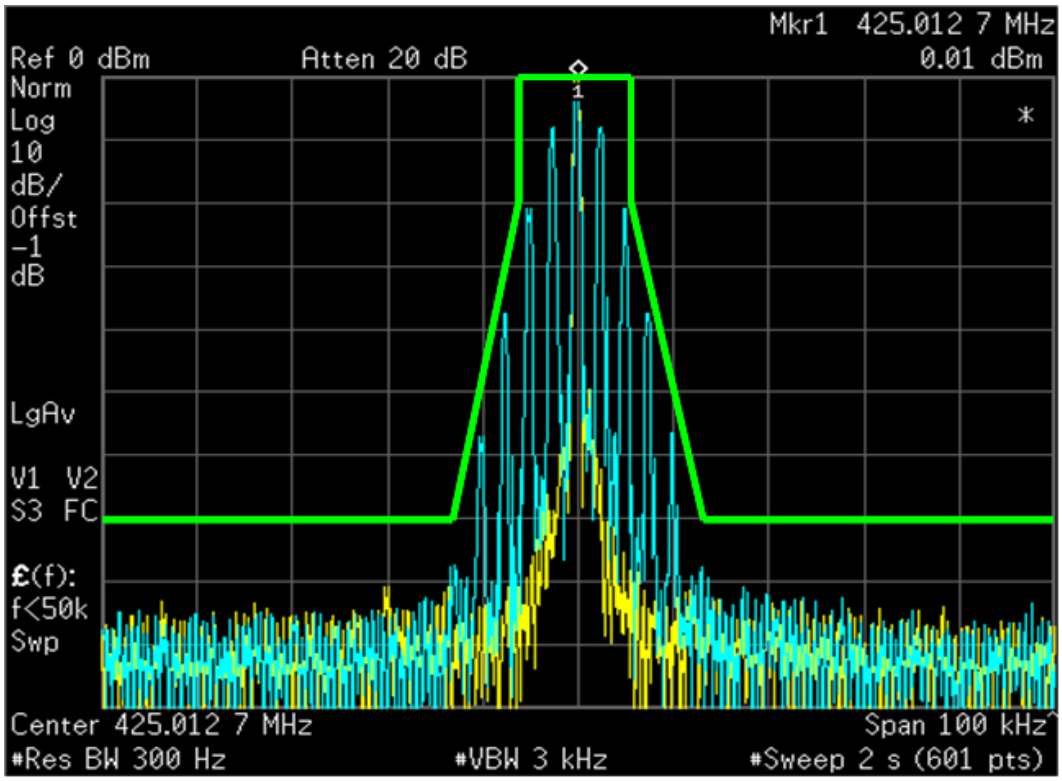


Figure 6E-1: 12.5 kHz Channel Spacing, 425.0125 MHz, Analog Voice, Mask D 11KOF3E

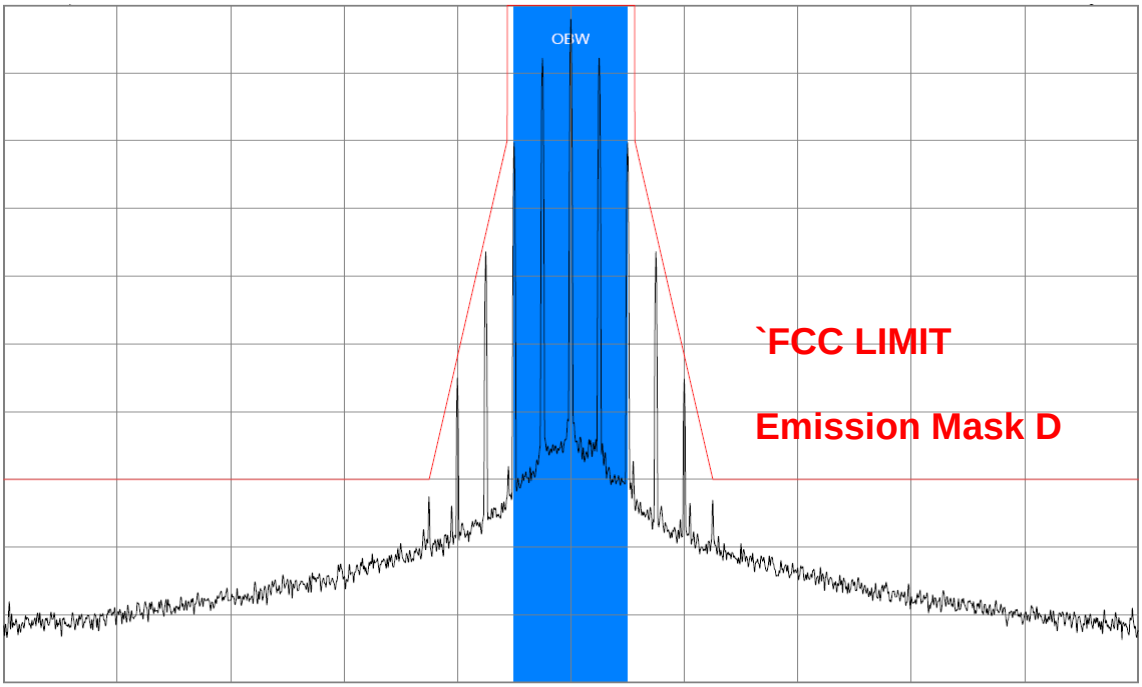


Figure 6E-2: 12.5 KHz Channel Spacing, 860.0125 MHz, Analog Voice, 11K0F3E

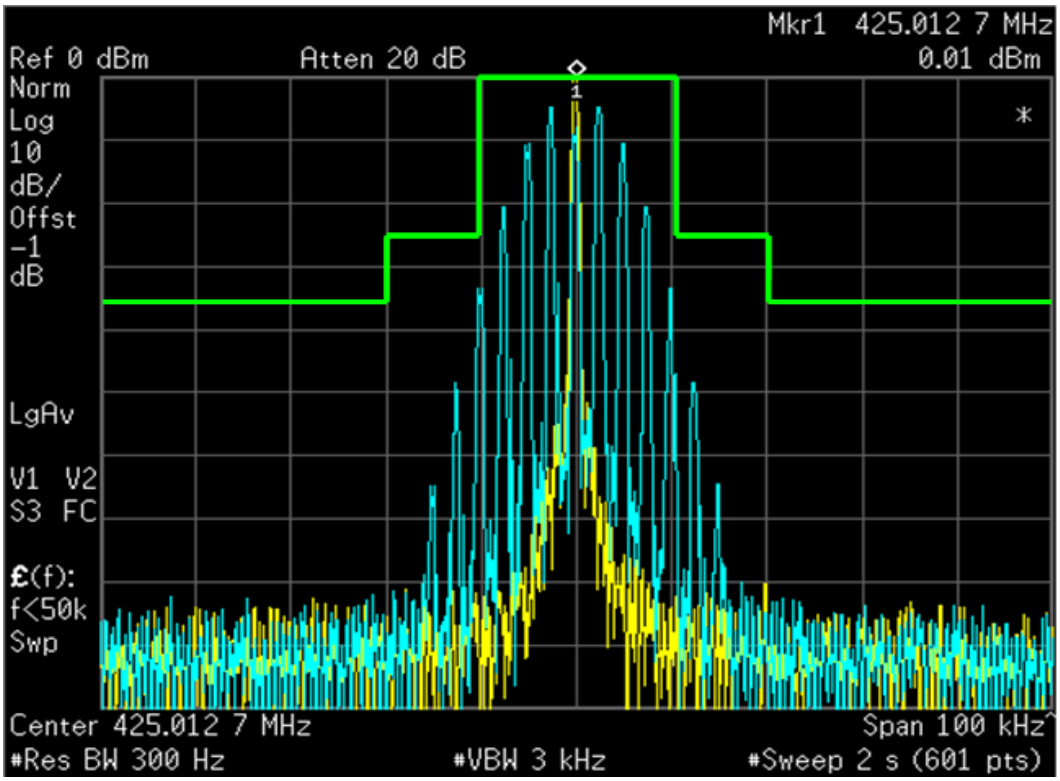


Figure 6E-3: 25 kHz Channel Spacing, 425.0125 MHz, Analog Voice, Mask B 16KOF3E

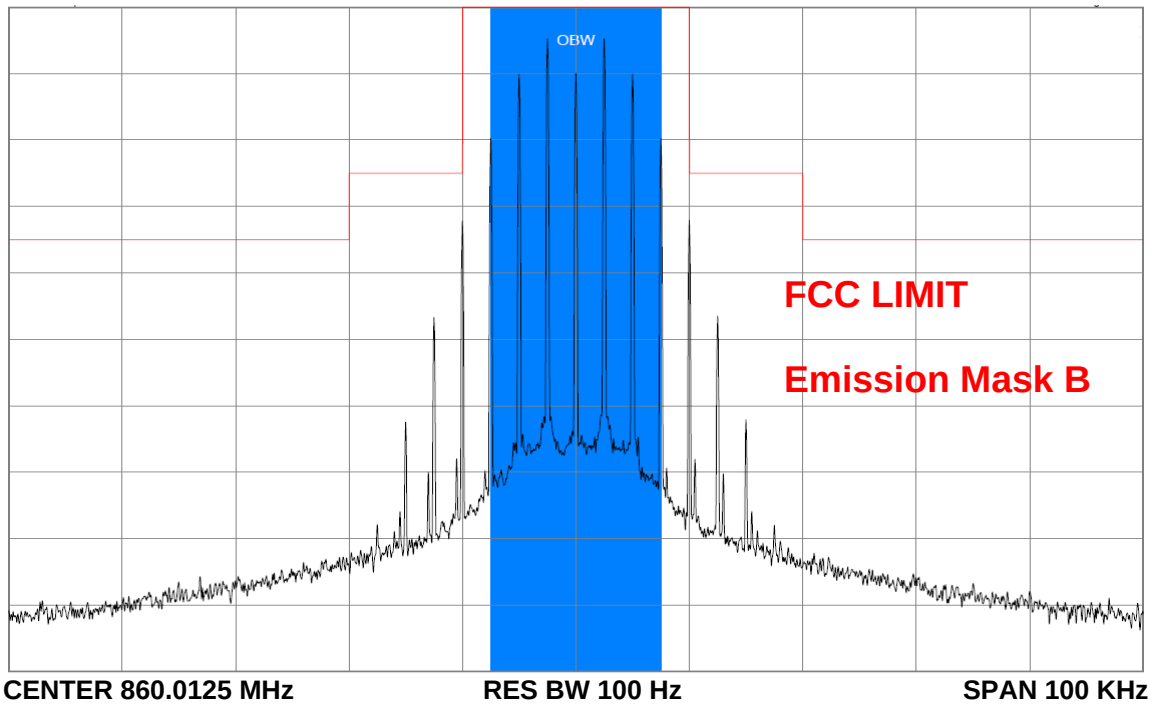


Figure 6E-4: 12.5 KHz Channel Spacing, 860.0125 MHz, Analog Voice, Mask B 16K0F3E

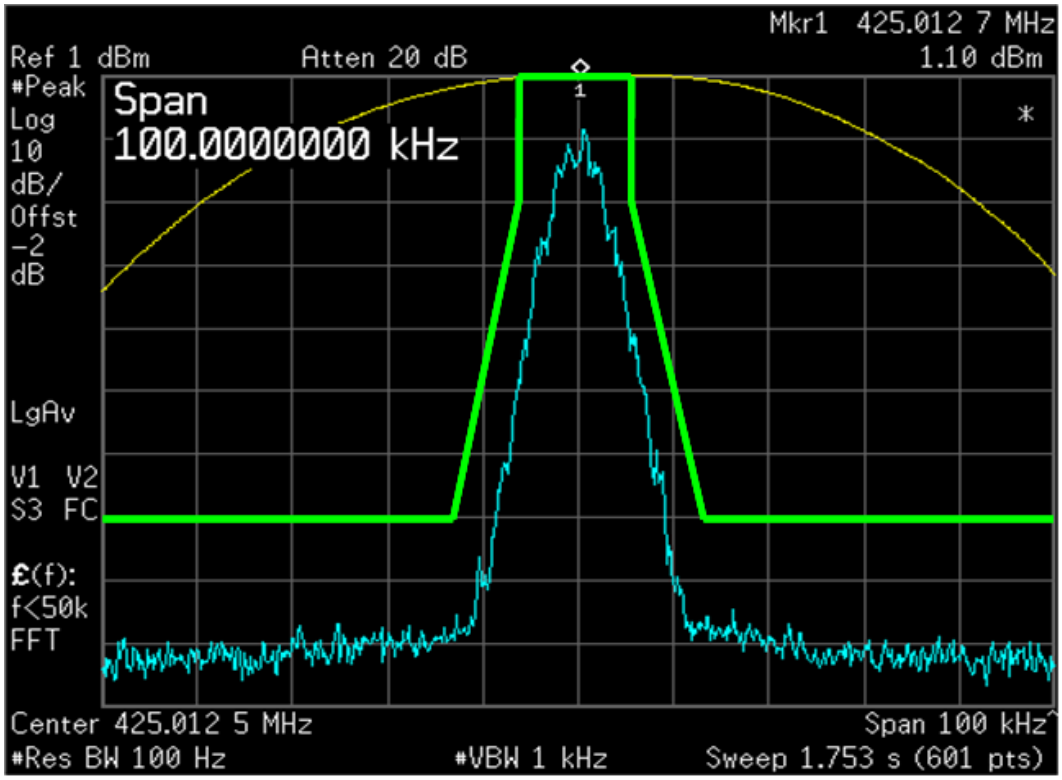
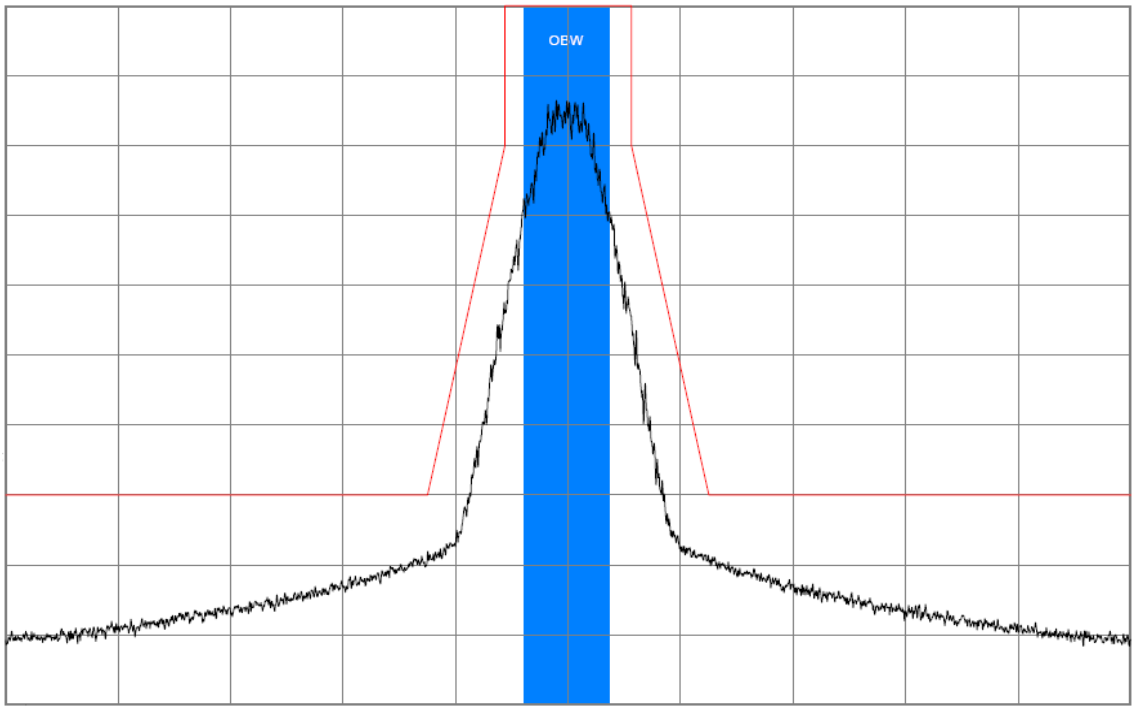


Figure 6E-5: 12.5 kHz Channel Spacing, 425.0125 MHz, Digital Data, Mask D 8K10F1D



CENTER 860.0125 MHz **RES BW 100 Hz** **SPAN 100 KHz**

Figure 6E-6: 12.5 KHz Channel Spacing, 860.0125 MHz, Digital Data, Mask D 8K10F1D

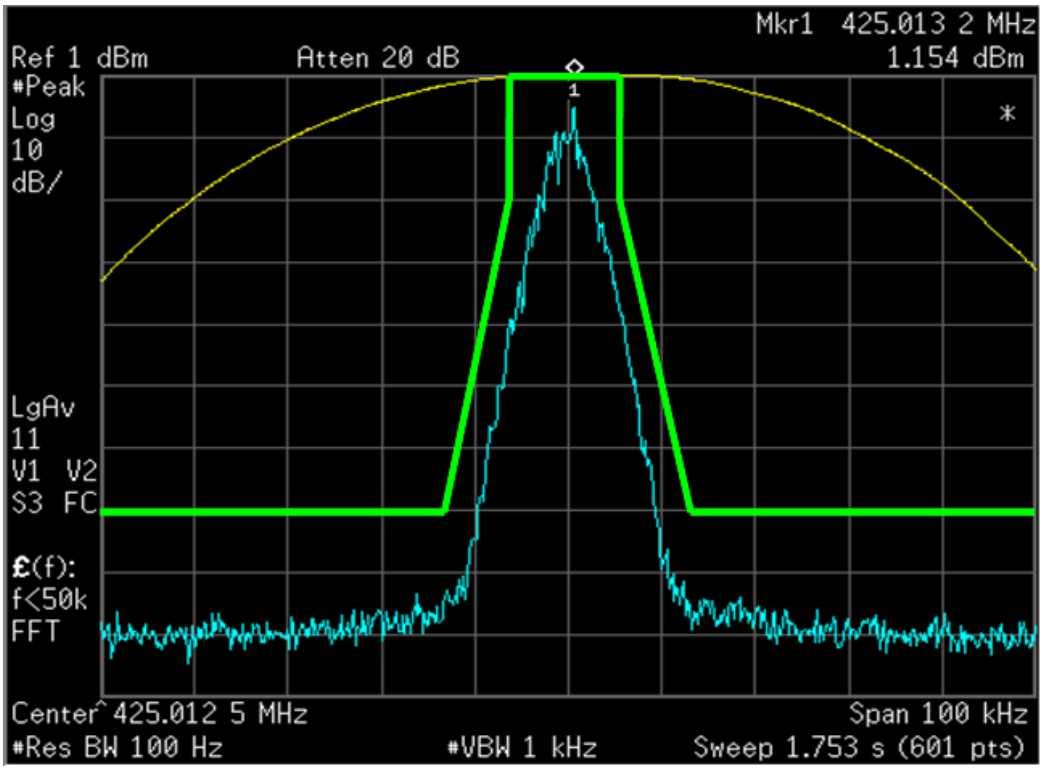


Figure 6E-7: 12.5 kHz Channel Spacing, 425.0125 MHz, Digital Voice, Mask D 8K10F1E

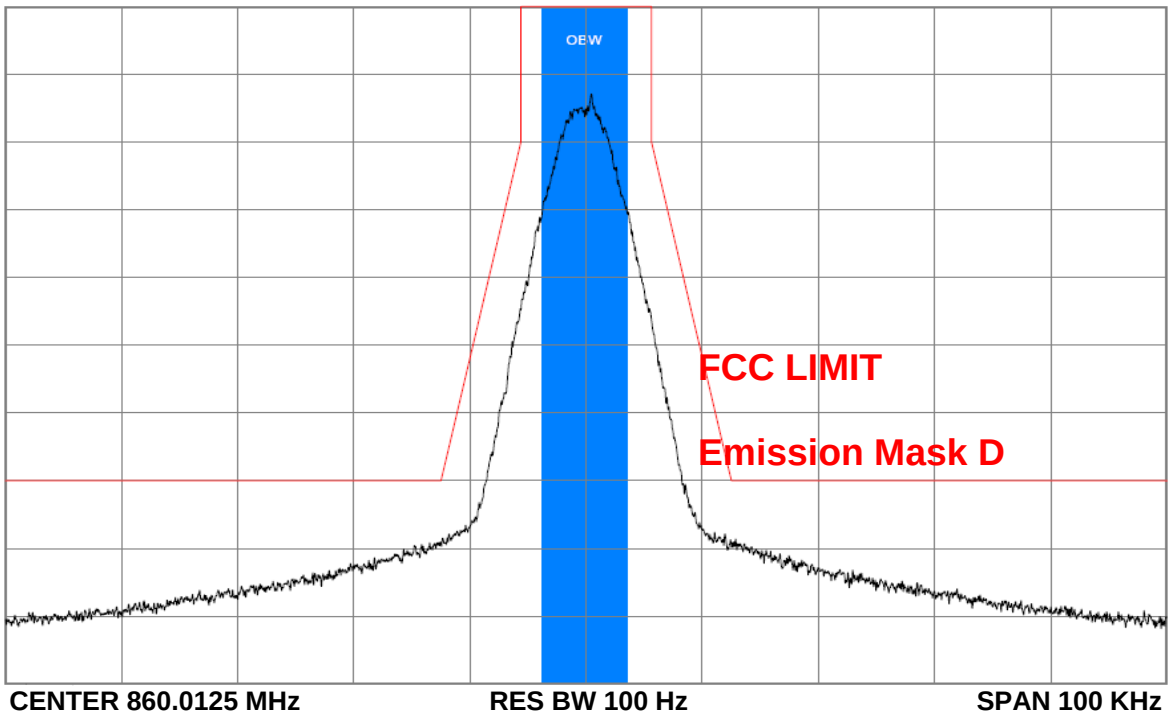


Figure 6E-8: 12.5 KHz Channel Spacing, 860.0125 MHz, Digital Voice, Mask D 8K10F1E

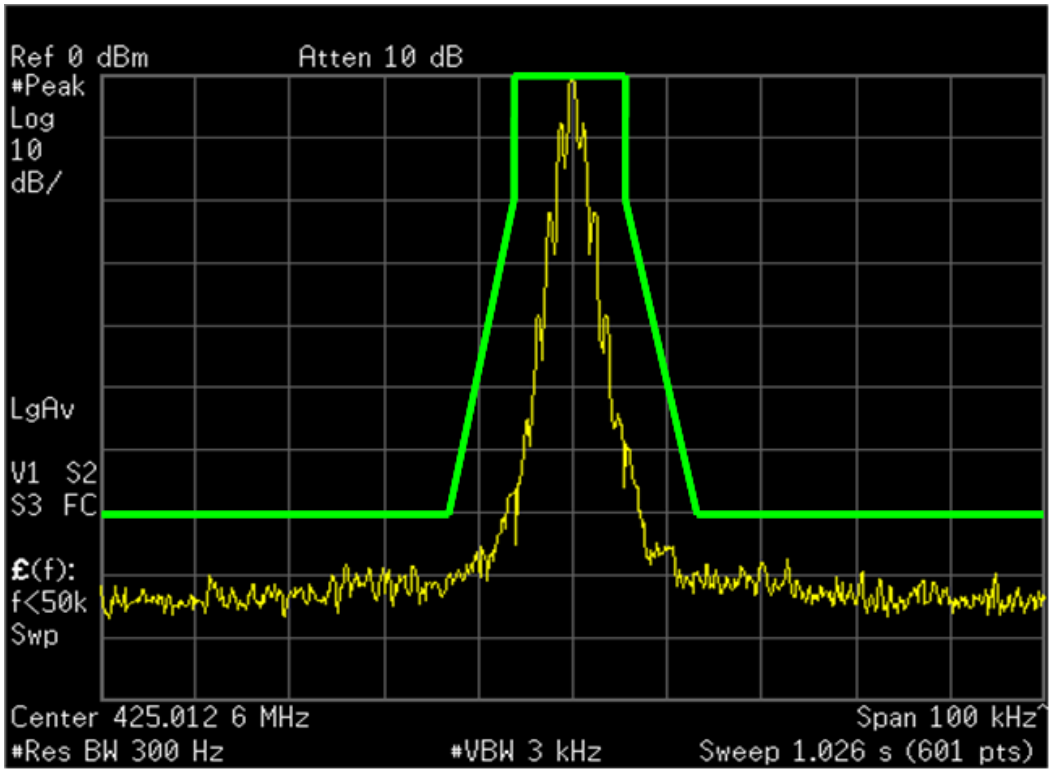


Figure 6E-9: 12.5 kHz Channel Spacing, 425.0125 MHz, Digital TDMA, Mask D 8K10F1W

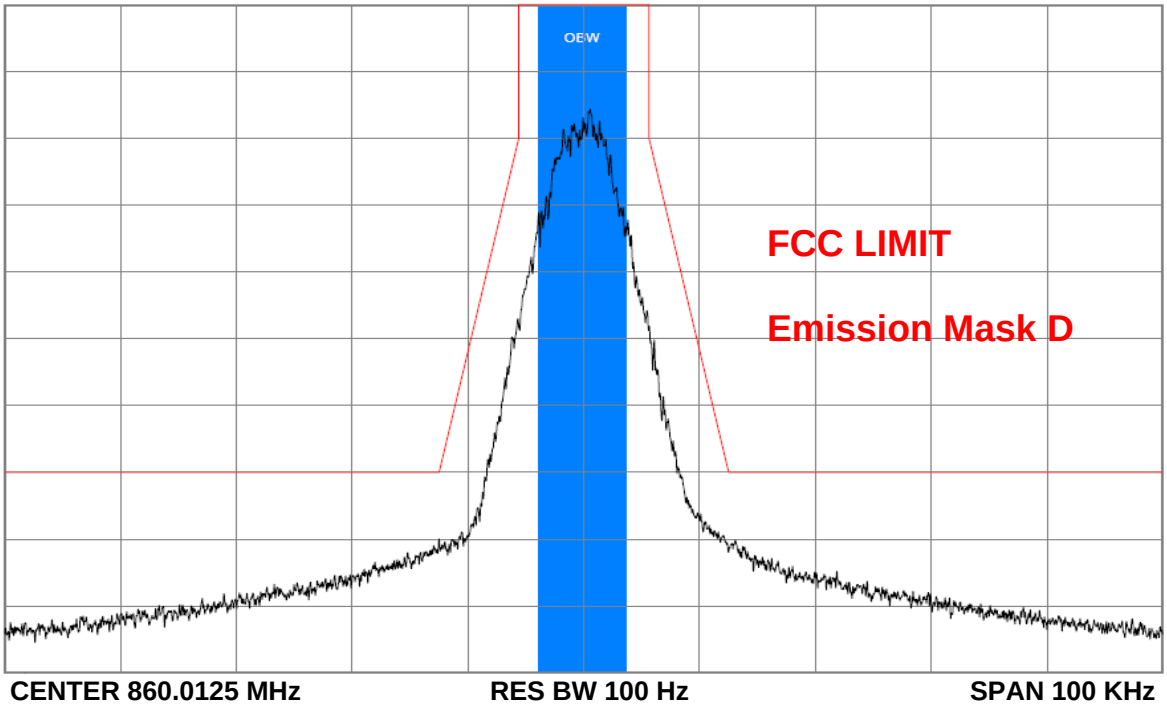


Figure 6E-10: 12.5 KHz Channel Spacing, 860.0125 MHz, Digital TDMA, MASK D 8K10F1W

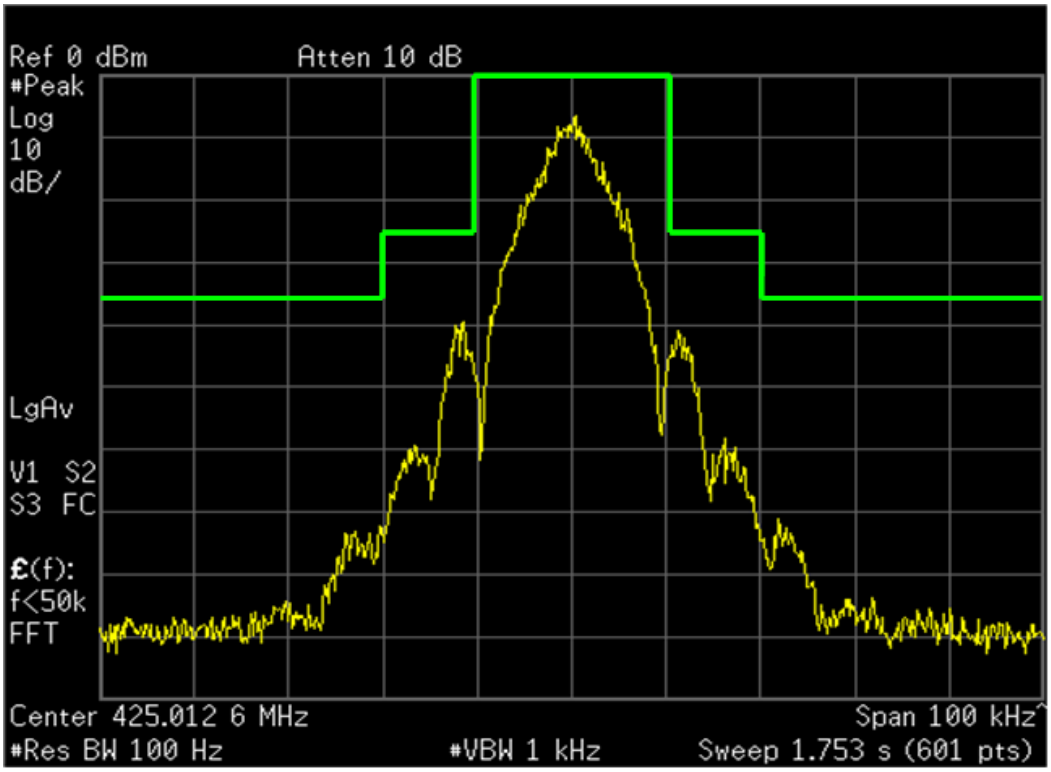


Figure 6E-11: 20 kHz Channel Spacing, 425.0125 MHz, Analog Voice Encryption, Mask B 20K0F1E

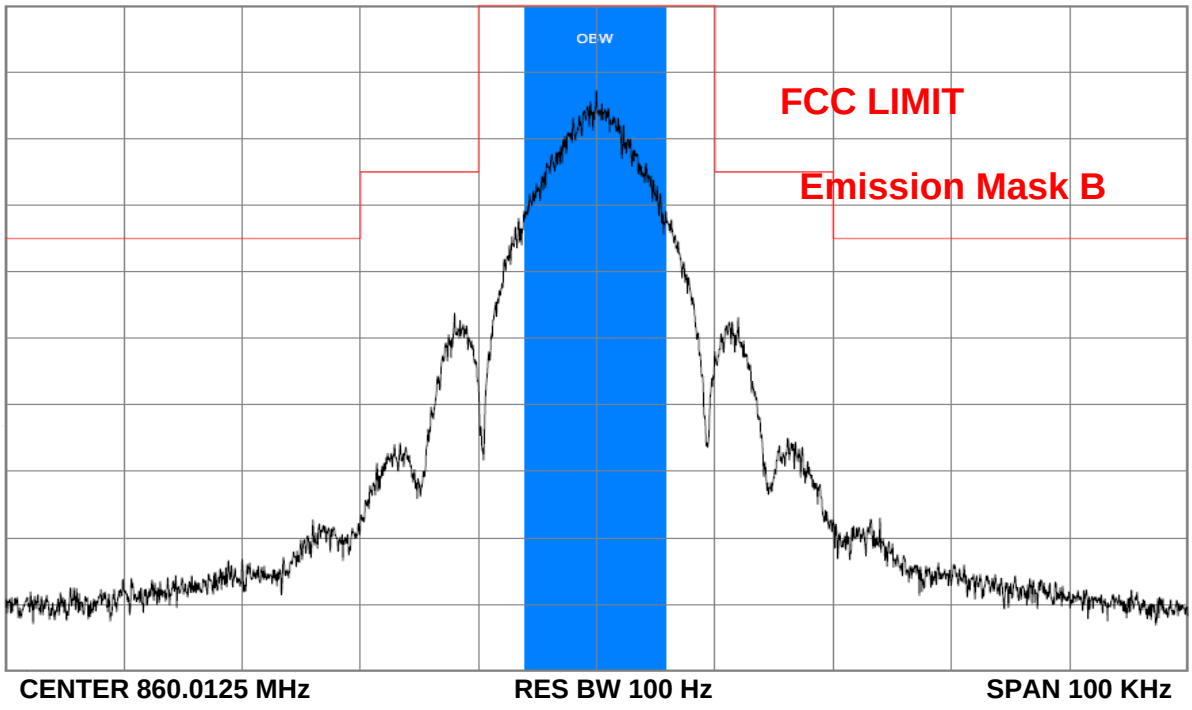


Figure 6E-12: 20 KHz Channel Spacing, 860.0125 MHz, Analog Voice Encryption Mask B 20K0F1E

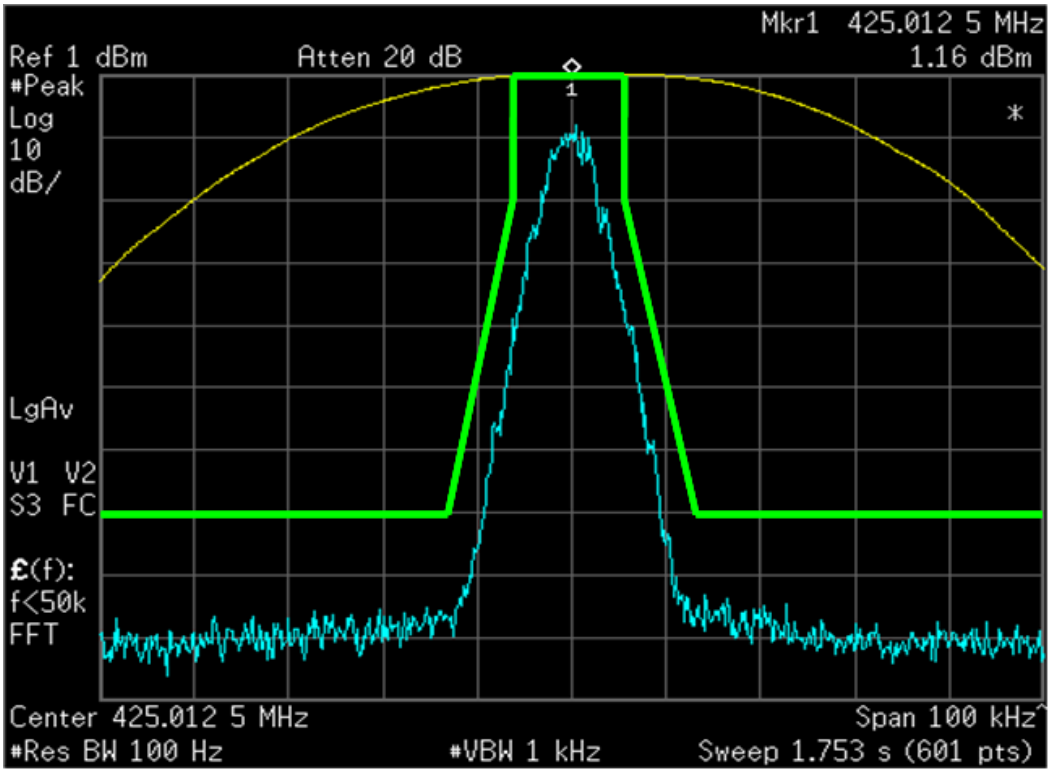
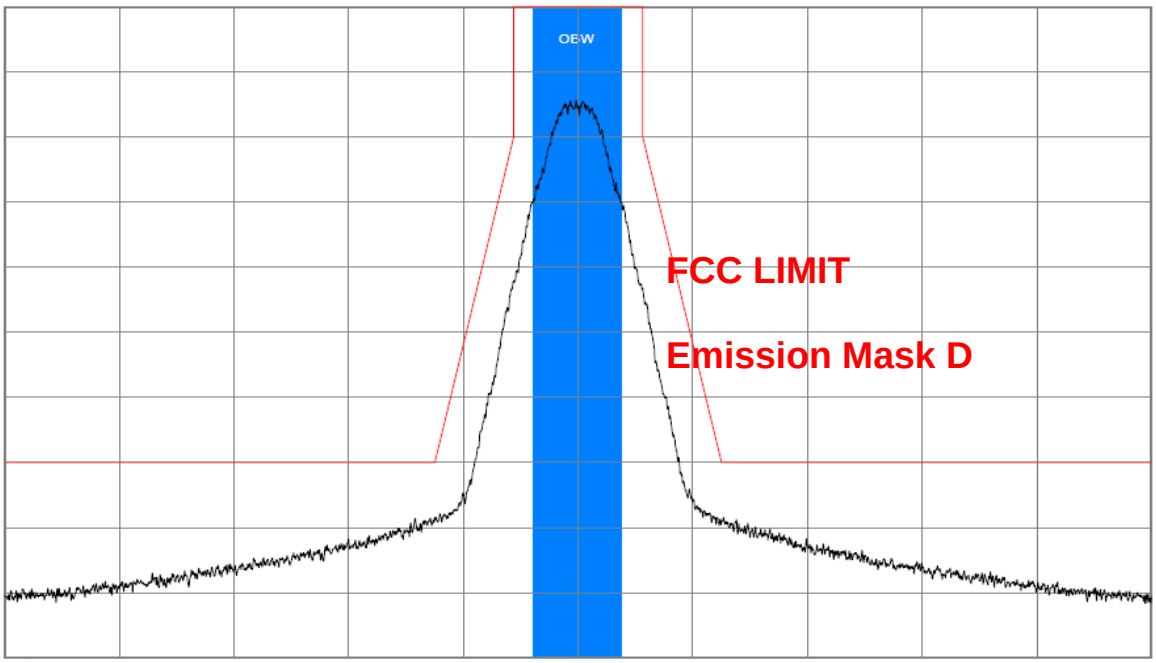


Figure 6E-13: 12.5 kHz Channel Spacing, 425.0125 MHz, Digital Voice Encryption, Mask D 8K10F1E



CENTER 860.0125 MHz **RES BW 100 Hz** **SPAN 100 KHz**

Figure 6E-14: 12.5 KHz Channel Spacing, 860.0125 MHz, Digital Voice Encryption Mask D 8K10F1E

EXHIBIT 6F

Adjacent Channel Coupled Power Ratios – Pursuant 47 CFR 90.543 (a) and CFR 90.543 (b)

794.0875 MHz 25.0 KHz Channel Spacing ANALOG Emission Designator 16K0F3E Ref Power Level (dBm) =						
	Measurements	Resolutio		ACP (dBc)		
Offset	Bandwidth (KHz)	Bandwidth		Lowe	Uppe	Spec
15.625	6.250	100		-76.19	-76.14	-60
21.875	6.250	100		-78.87	-79.05	-60
37.500	25.000	300		-72.08	-72.06	-65
62.500	25.000	300		-76.66	-76.43	-65
87.500	25.000	300		-79.76	-79.81	-65
150.000	100.000	1100		-78.08	-78.21	-65
250.000	100.000	1100		-83.71	-83.66	-65
350.000	100.000	1100		-86.75	-86.69	-65
>400KHz-12MHz	30 (swept)	30000		<-75		-75
12M-RX Band	30 (swept)	30000		<-75		-75
in RX Band	30 (swept)	30000		<-100		-100

794.0875 MHz 12.5 KHz Channel Spacing ANALOG Emission Designator 11K0F3E Ref Power Level (dBm) =						
	Measurements	Resolutio				
Offset	Bandwidth (KHz)	Bandwidth		Lowe	Uppe	Spec
9.375	6.250	100		-68.06	-67.78	-40
15.625	6.250	100		-75.53	-76.33	-60
21.875	6.250	100		-79.02	-78.79	-60
37.500	25.000	300		-71.76	-71.86	-65
62.500	25.000	300		-76.40	-76.62	-65
87.500	25.000	300		-79.70	-79.89	-65
150.000	100.000	1100		-78.45	-78.43	-65
250.000	100.000	1100		-83.84	-83.74	-65
350.000	100.000	1100		-86.68	-86.81	-65
>400KHz-12MHz	30 (swept)	30000		<-75		-75
12M-RX Band	30 (swept)	30000		<-75		-75
in RX Band	30 (swept)	30000		<-100		-100

EXHIBIT 6F-1

794.0875 MHz 12.5 KHz Channel Spacing DIGITAL DATA Emission Designator Ref Power Level (dBm) =						
	Measurements	Resolutio		ACP (dBc)		
Offset	Bandwidth (KHz)	Bandwidth		Lowe	Uppe	Spec
9.375	6.250	100		-42.56	-43.02	-40
15.625	6.250	100		-76.66	-76.81	-60
21.875	6.250	100		-78.97	-78.92	-60
37.500	25.000	300		-71.57	-71.73	-65
62.500	25.000	300		-76.03	-76.44	-65
87.500	25.000	300		-79.84	-79.90	-65
150.000	100.000	1100		-78.29	-78.39	-65
250.000	100.000	1100		-83.99	-83.91	-65
350.000	100.000	1100		-86.89	-86.96	-65
>400KHz-12MHz	30 (swept)	30000		<-75		-75
12M-RX Band	30 (swept)	30000		<-75		-75
in RX Band	30 (swept)	30000		<-100		-100

794.0875 MHz 12.5 KHz Channel Spacing DIGITAL VOICE Emission Designator 8K10F1E Ref Power Level (dBm) =						
	Measurements	Resolutio		ACP (dBc)		
Offset	Bandwidth (KHz)	Bandwidth		Lowe	Uppe	Spec
9.375	6.250	100		-42.25	-42.70	-40
15.625	6.250	100		-76.61	-76.41	-60
21.875	6.250	100		-78.78	-78.92	-60
37.500	25.000	300		-74.07	-73.85	-65
62.500	25.000	300		-76.52	-76.32	-65
87.500	25.000	300		-79.57	-79.83	-65
150.000	100.000	1100		-77.85	-77.69	-65
250.000	100.000	1100		-83.44	-83.29	-65
350.000	100.000	1100		-86.41	-86.37	-65
>400KHz-12MHz	30 (swept)	30000		<-75		-75
12M-RX Band	30 (swept)	30000		<-75		-75
in RX Band	30 (swept)	30000		<-100		-100

EXHIBIT 6F-2

794.0875 MHz 12.5 KHz Channel Spacing DIGITAL VOICE ENCRYPTION Emission Designator 8K10F1E Ref Power Level (dBm) =						
	Measurements	Resolutio		ACP (dBc)		
Offset	Bandwidth (KHz)	Bandwidth		Lowe	Uppe	Spec
9.375	6.250	100		-41.52	-41.02	-40
15.625	6.250	100		-76.56	-76.28	-60
21.875	6.250	100		-78.62	-78.64	-60
37.500	25.000	300		-72.15	-72.45	-65
62.500	25.000	300		-76.66	-76.93	-65
87.500	25.000	300		-79.80	-79.98	-65
150.000	100.000	1100		-78.34	-78.25	-65
250.000	100.000	1100		-83.41	-83.27	-65
350.000	100.000	1100		-86.36	-86.23	-65
>400KHz-12MHz	30 (swept)	30000		<-75		-75
12M-RX Band	30 (swept)	30000		<-75		-75
in RX Band	30 (swept)	30000		<-100		-100

794.0875 MHz 12.5 kHz Channel Spacing DIGITAL TDMA Emission Designator 8K10F1W Ref Power Level (dBm) = 46.2						
	Measurements	Resolution		ACP (dBc)		
Offset (kHz)	Bandwidth (kHz)	Bandwidth (Hz)		Lower	Upper	Spec (dBc)
9.375	6.250	100		-42.36	-42.84	-40
15.625	6.250	100		-69.90	-70.16	-60
21.875	6.250	100		-74.54	-75.81	-60
37.500	25.000	300		-71.74	-71.13	-65
62.500	25.000	300		-76.87	-76.38	-65
87.500	25.000	300		-79.93	-79.81	-65
150.000	100.000	1100		-76.64	-76.85	-65
250.000	100.000	1100		-82.38	-81.71	-65
350.000	100.000	1100		-84.24	-84.25	-65
>400kHz-12MHz	30 (swept)	30000		<-75		-75
12M-RX Band	30 (swept)	30000		<-75		-75
in RX Band	30 (swept)	30000		<-100		-100

EXHIBIT 6F-3

EXHIBIT 6G
Conducted Spurious Emissions - Pursuant 47 CFR 2.1051 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

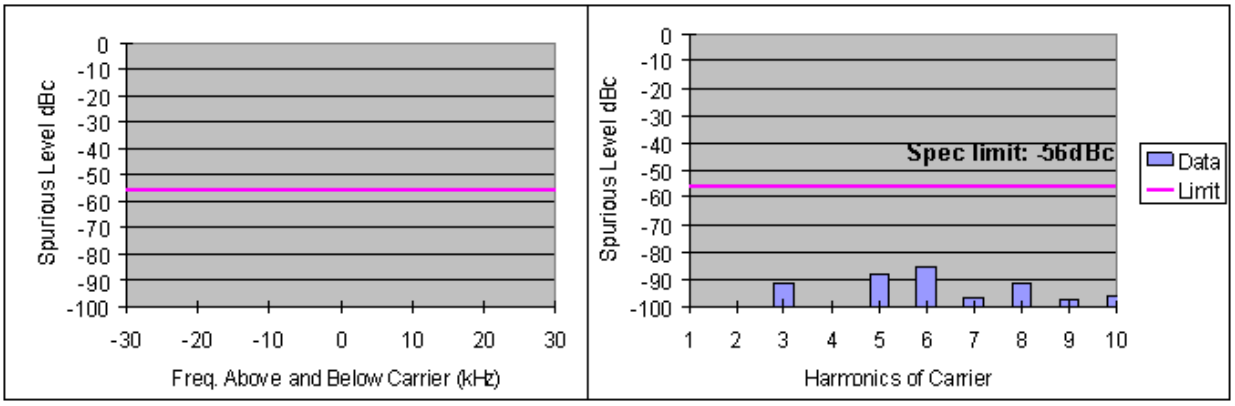


Figure 6G-1: 4W Harmonics of Carrier 380.0125 MHz, 25 kHz Channel Spacing

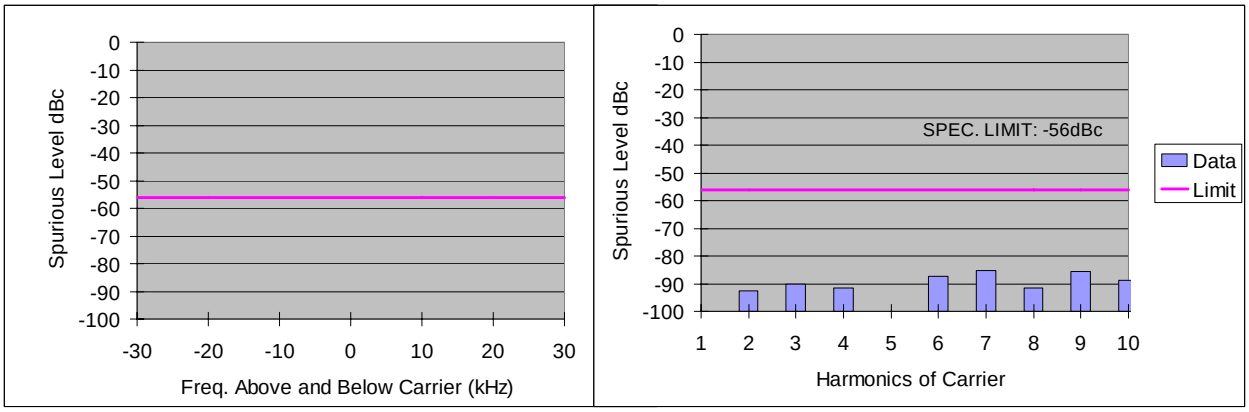


Figure 6G-2: 4W Harmonics of Carrier 406.2 MHz, 25 kHz Channel Spacing

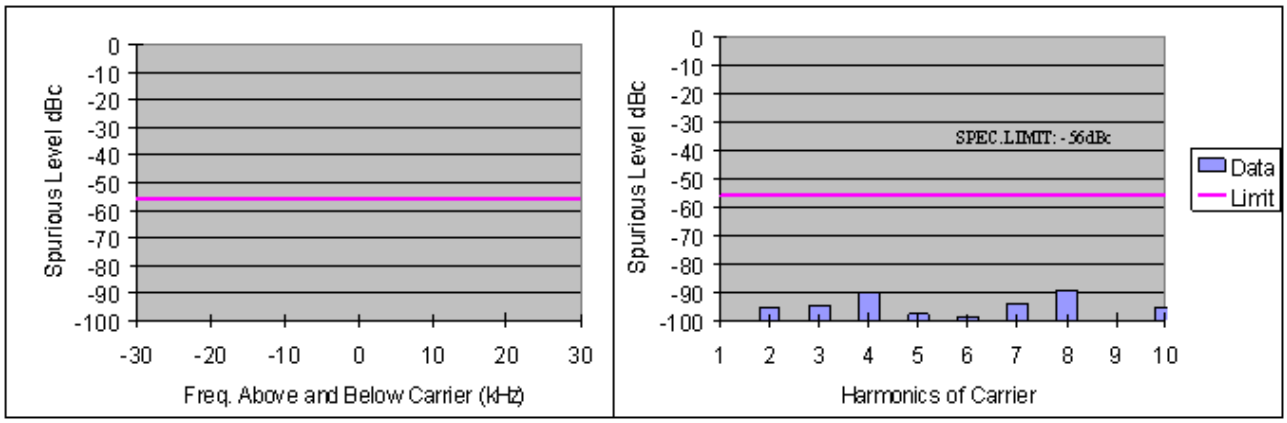


Figure 6G-3: 4W Harmonics of Carrier 425.0125 MHz, 25 kHz Channel Spacing

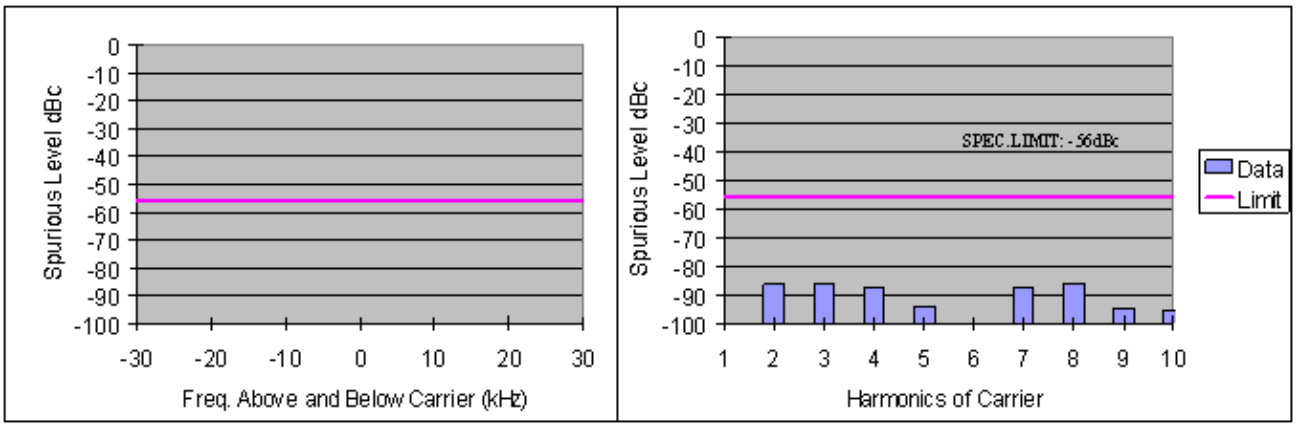


Figure 6G-4: 4W Harmonics of Carrier 469.9875 MHz, 25 kHz Channel Spacing

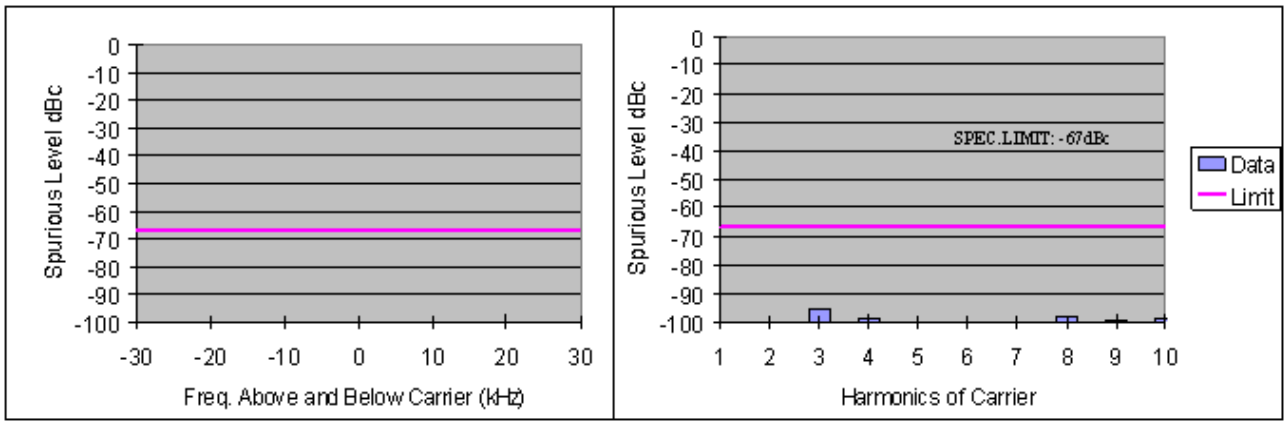


Figure 6G-5: 48W Harmonics of Carrier 380.0125 MHz, 25 kHz Channel Spacing

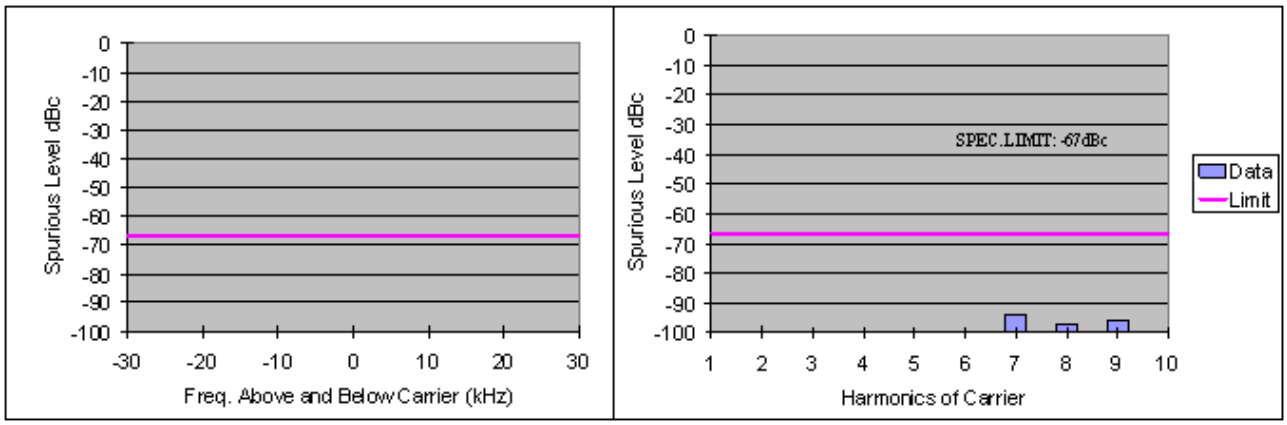


Figure 6G-6: 48W Harmonics of Carrier 406.2 MHz, 25 kHz Channel Spacing

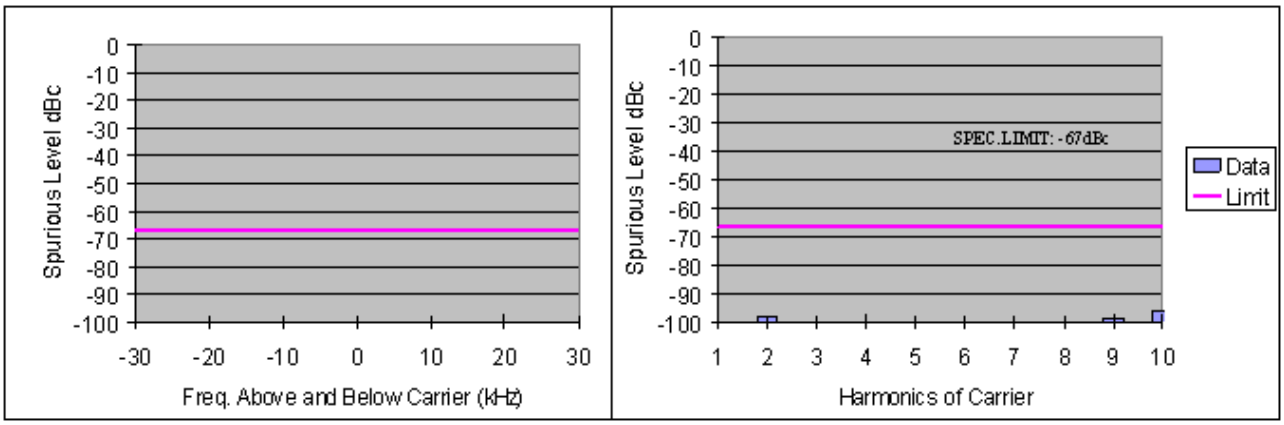


Figure 6G-7: 48W Harmonics of Carrier 425.0125 MHz, 25 kHz Channel Spacing

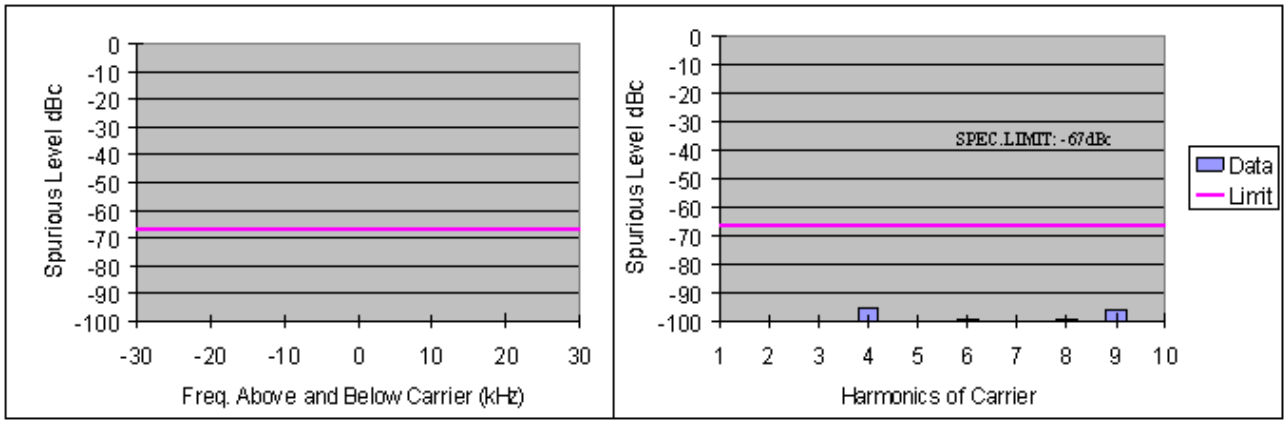


Figure 6G-8: 48W Harmonics of Carrier 469.9875 MHz, 25 kHz Channel Spacing

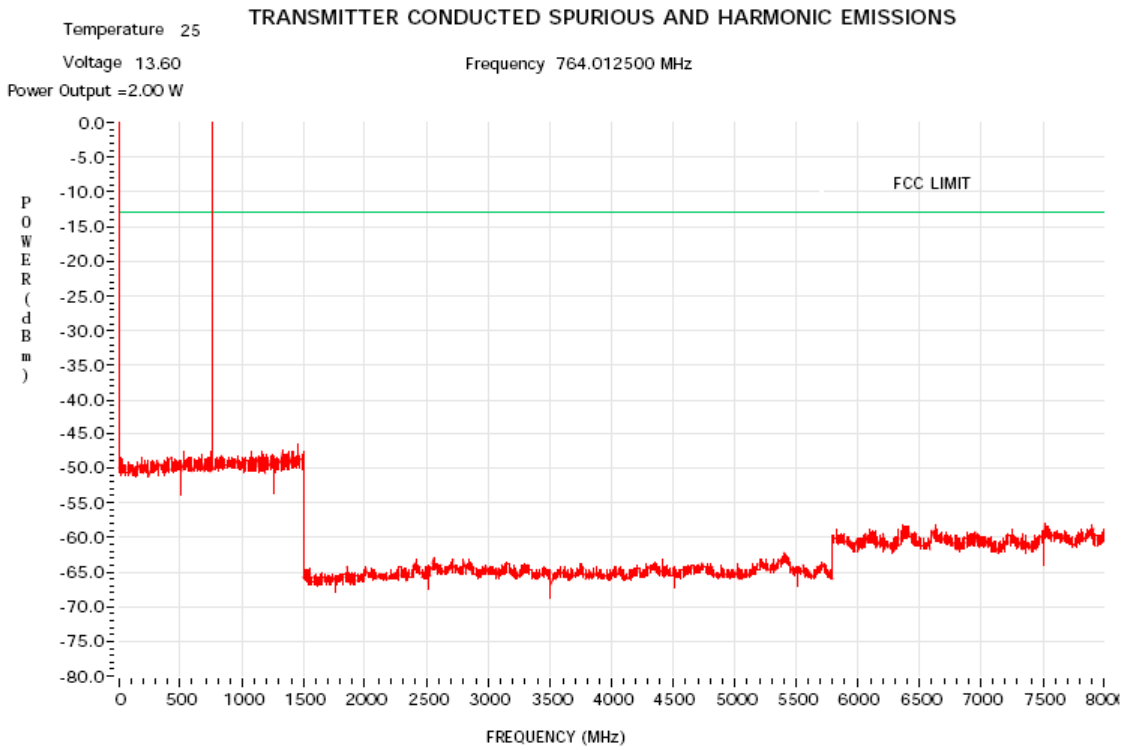


Figure 6G-9: 2 Watts Harmonic of Carrier 764.0125 MHz

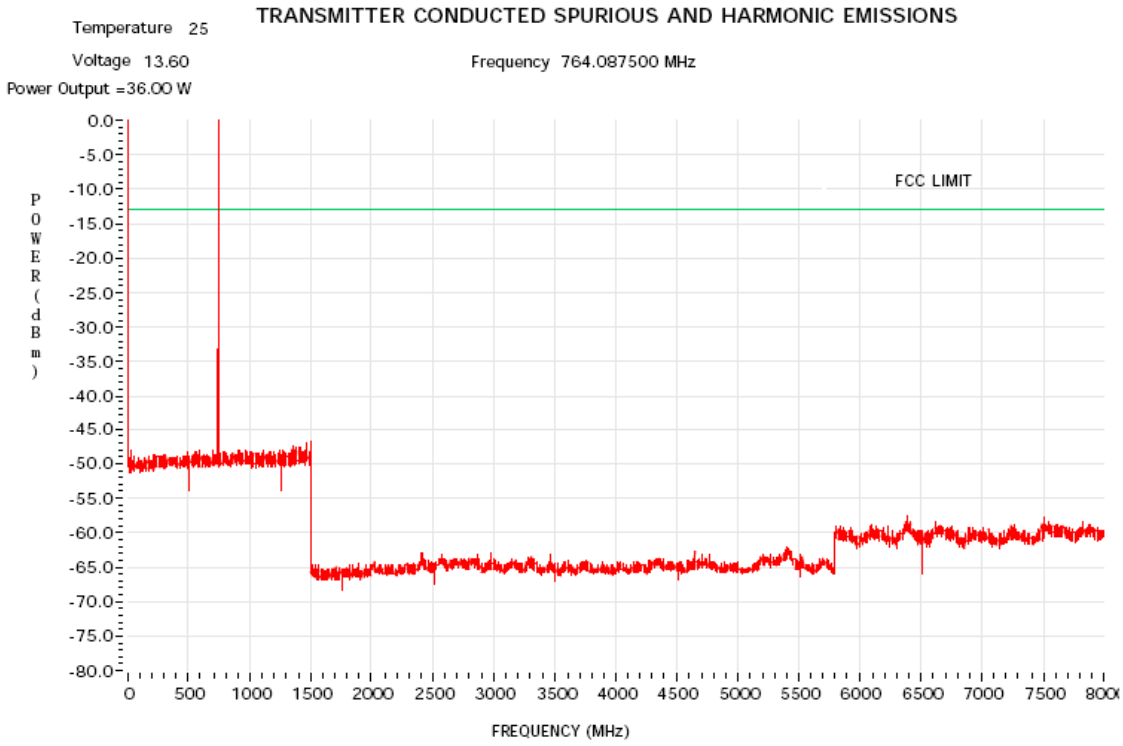


Figure 6G-10: 36 Watts Harmonic of Carrier 764.0875 MHz

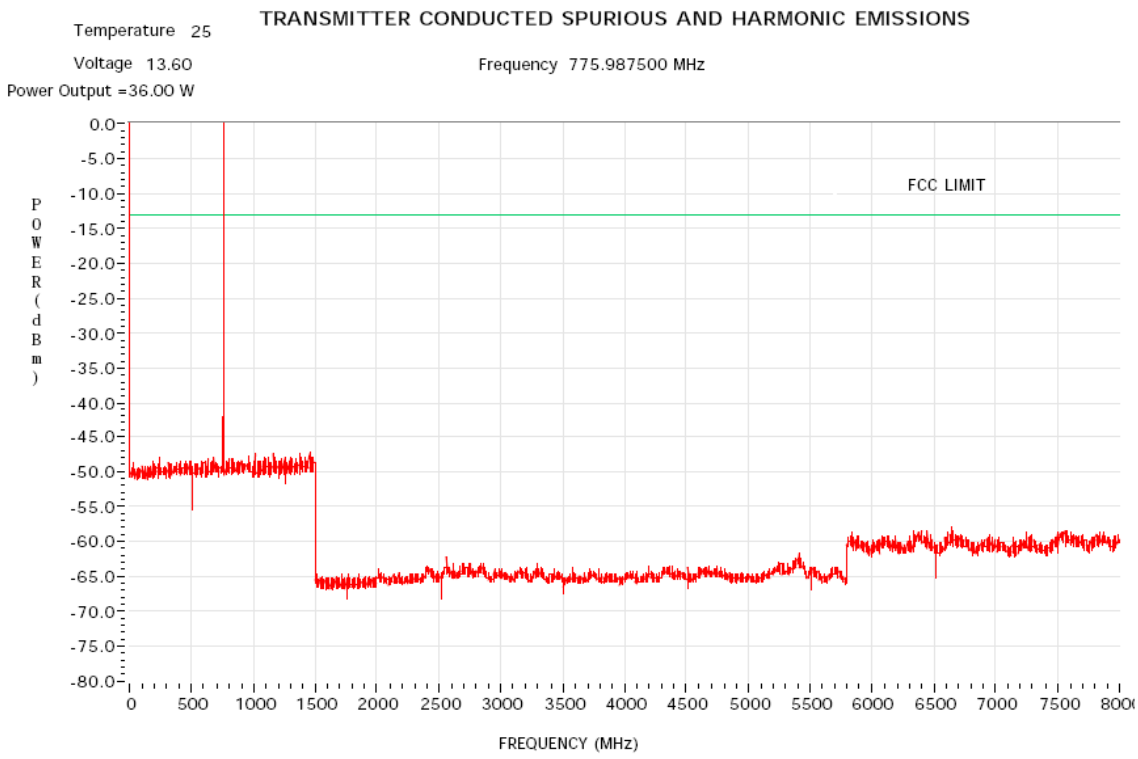


Figure 6G-11: 36 Watts Harmonic of Carrier775.9875 MHz

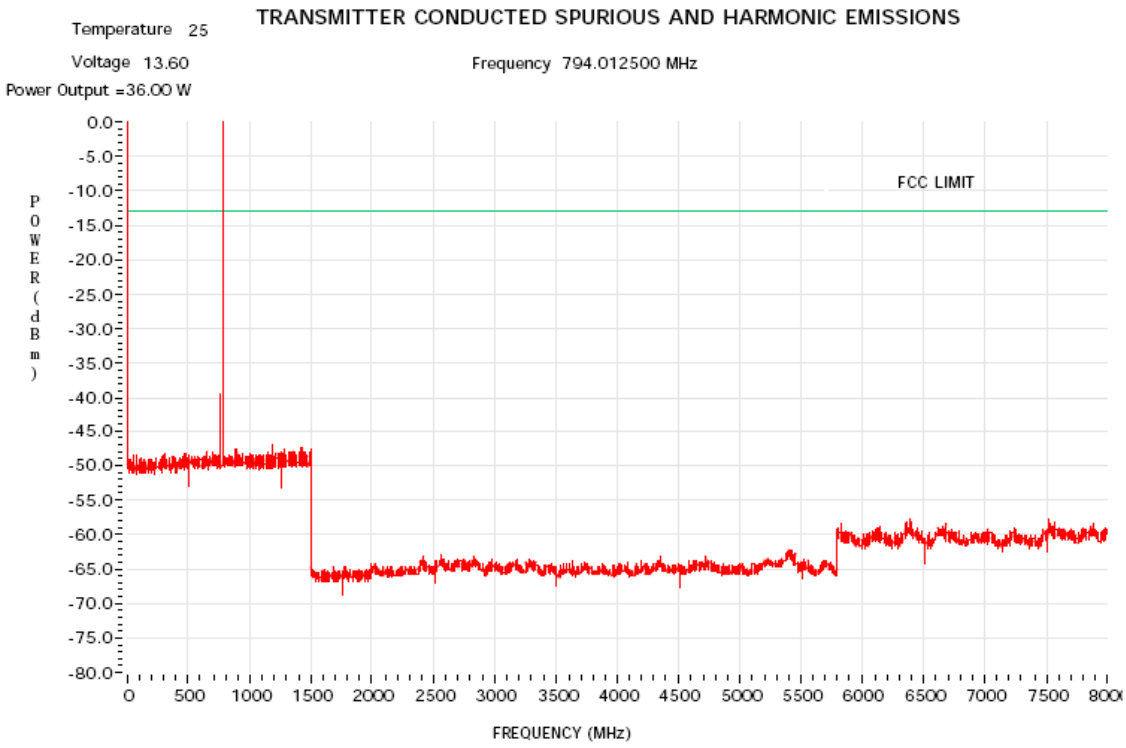


Figure 6G-12: 36 Watts Harmonic of Carrier 764.0125 MHz

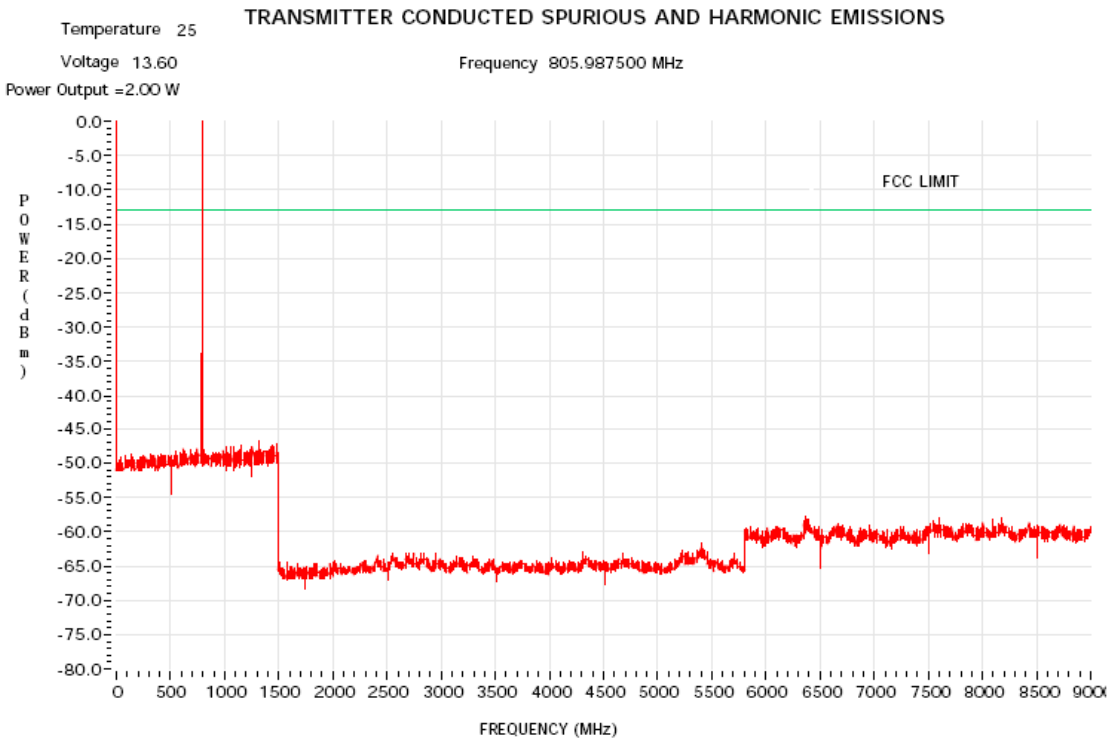


Figure 6G-13: 2 Watts Harmonic of Carrier 805.9875 MHz

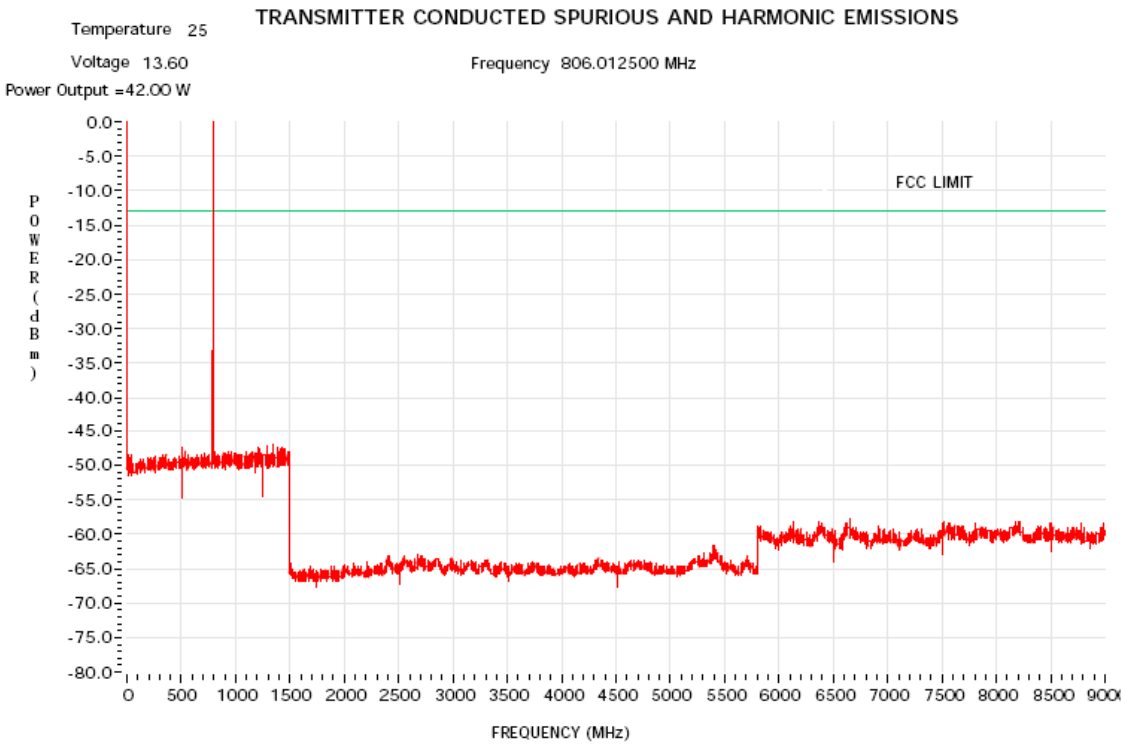


Figure 6G-14: 42 Watts Harmonic of Carrier 806.0125 MHz

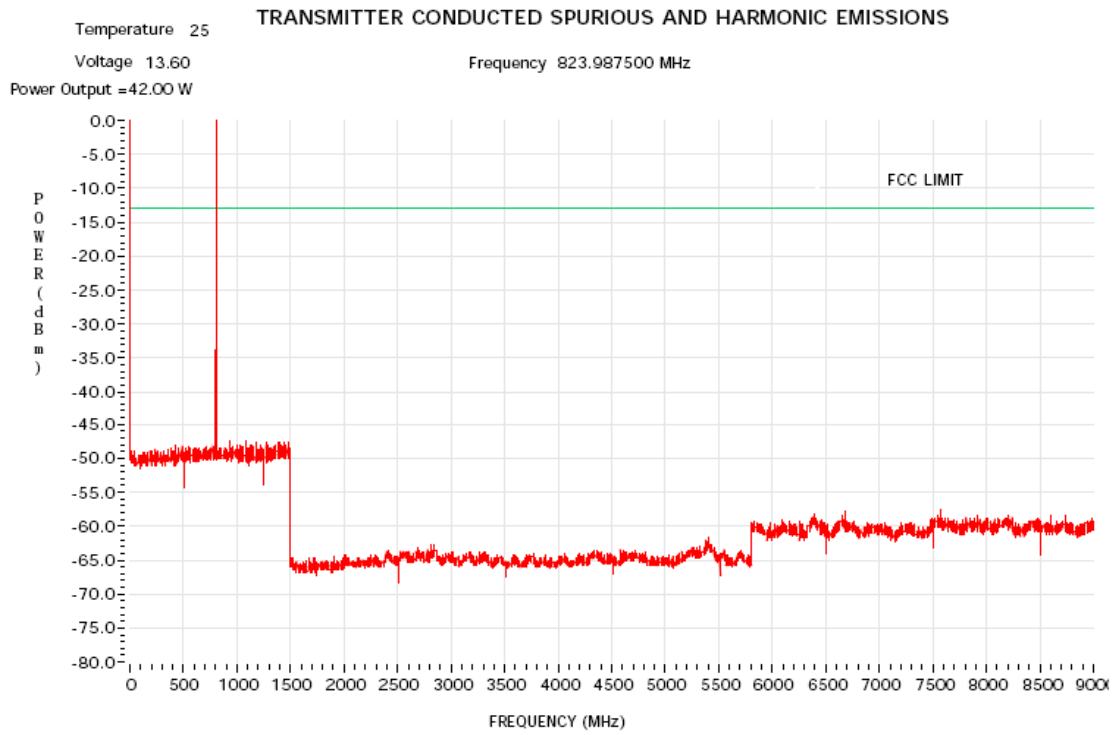


Figure 6G-15: 42 Watts Harmonic of Carrier 823.9875 MHz

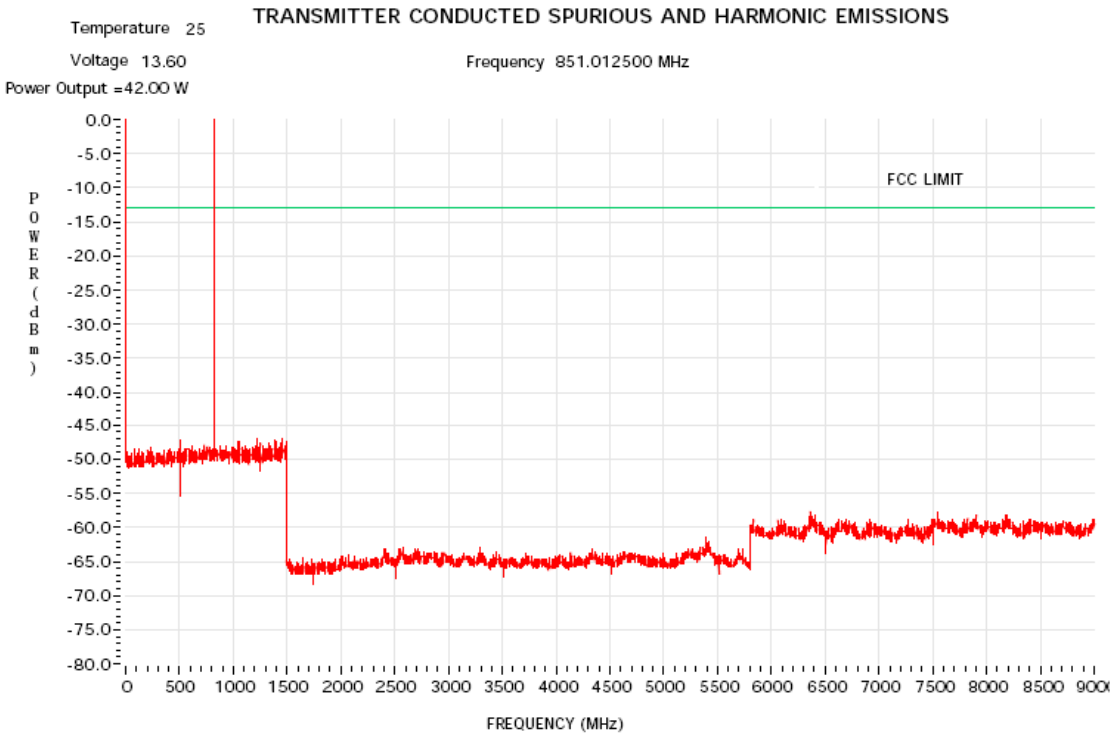


Figure 6G-16: 42 Watts Harmonic of Carrier 851.0125 MHz

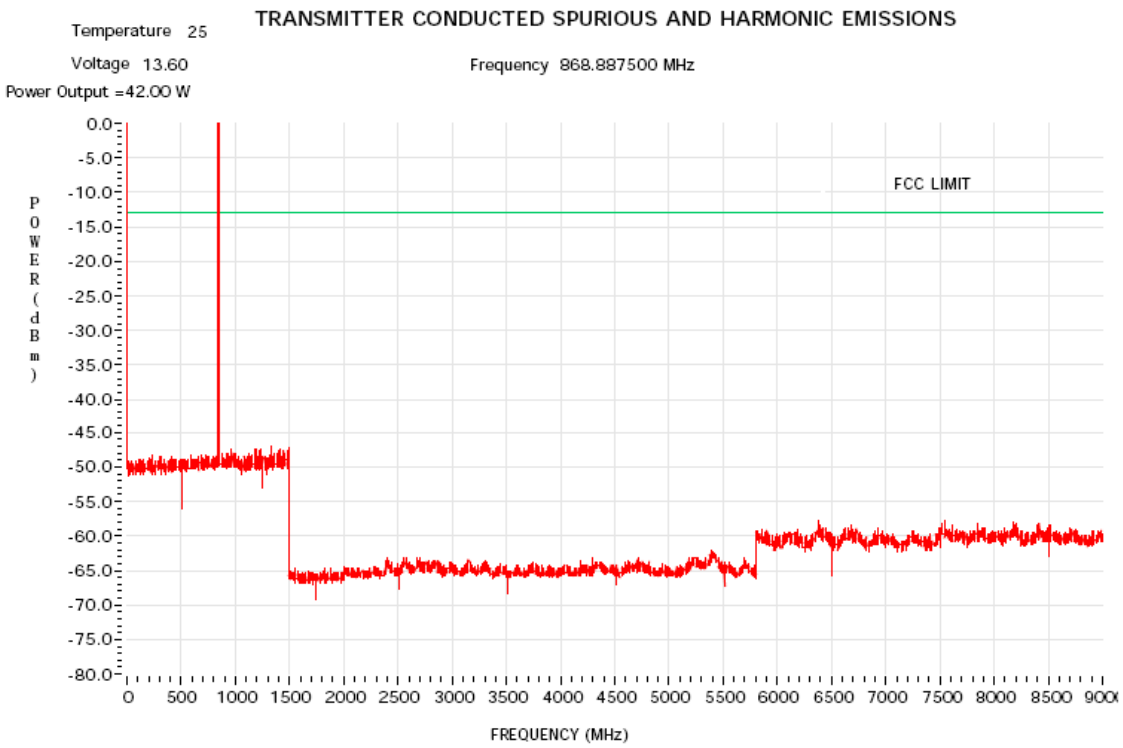


Figure 6G-17: 42 Watts Harmonic of Carrier 868.8875 MHz

DIGITAL MODE

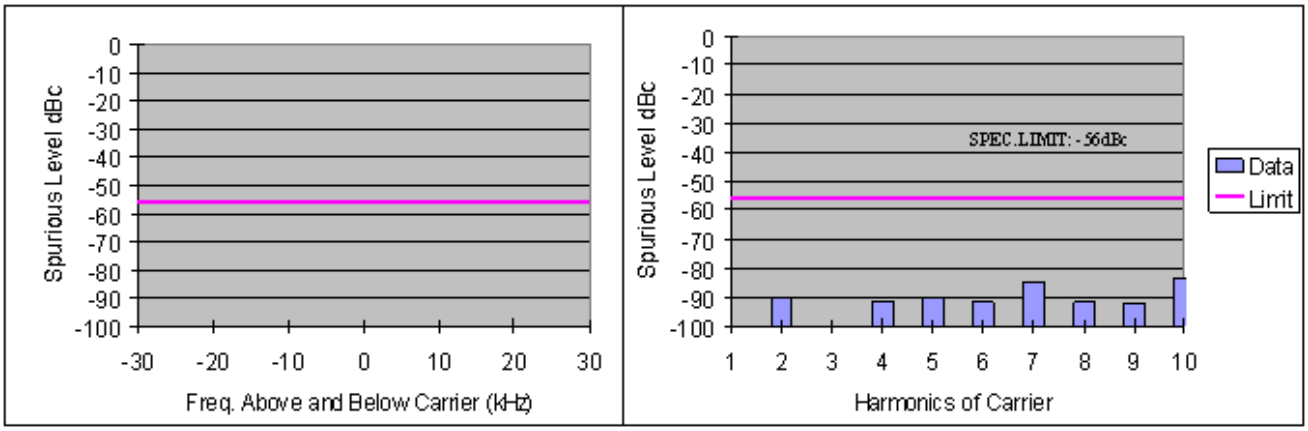


Figure 6G-18: 4W Harmonics of Carrier 380.0125 MHz, 12.5 kHz Channel Spacing

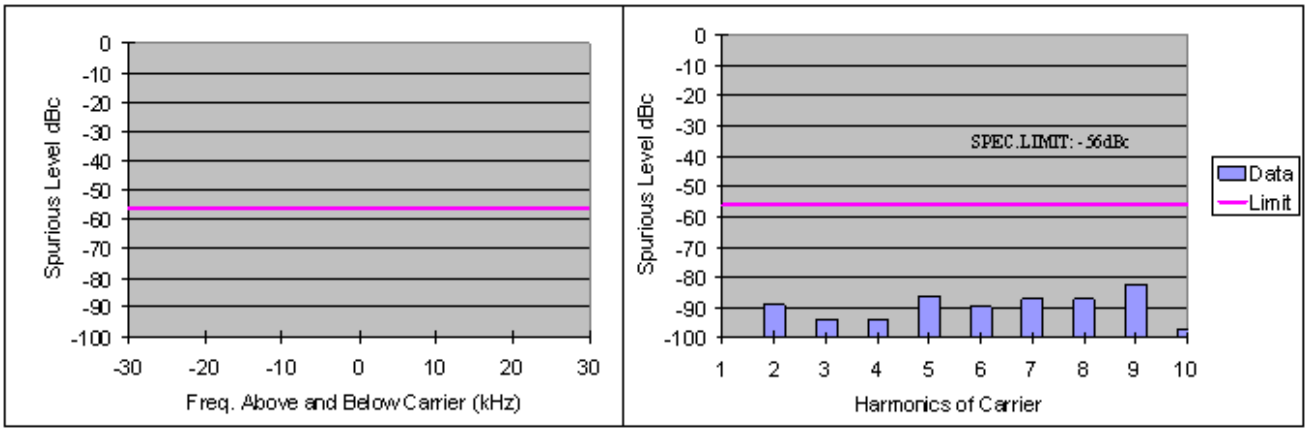


Figure 6G-19: 4W Harmonics of Carrier 406.2 MHz, 12.5 kHz Channel Spacing

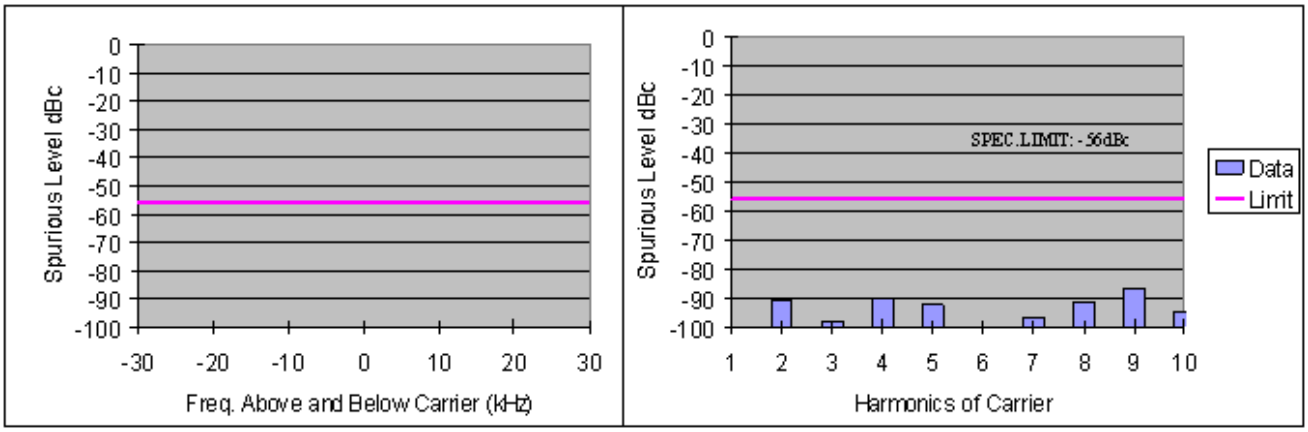


Figure 6G-20: 4W Harmonics of Carrier 425.0125 MHz, 12.5 kHz Channel Spacing

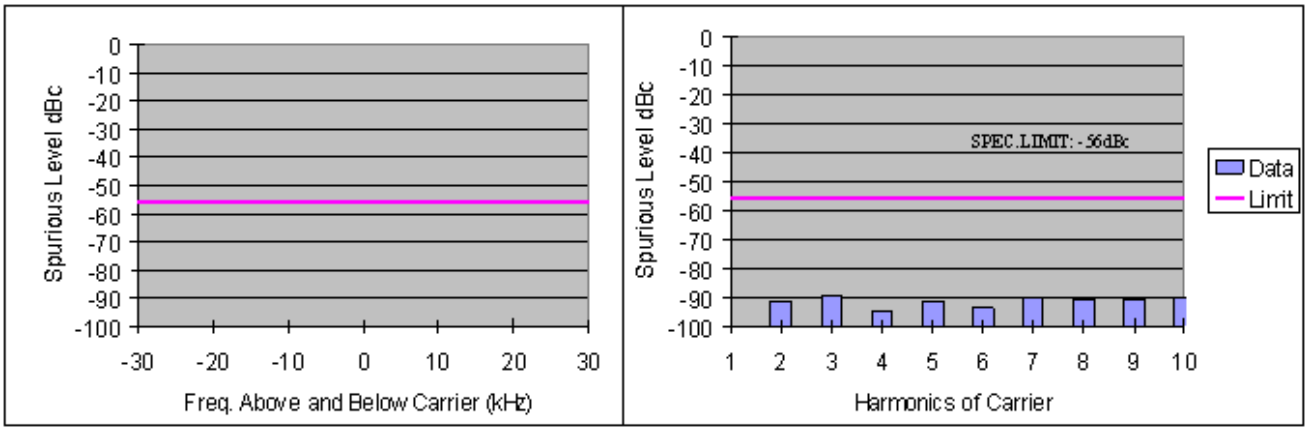


Figure 6G-21: 4W Harmonics of Carrier 469.9875 MHz, 12.5 kHz Channel Spacing

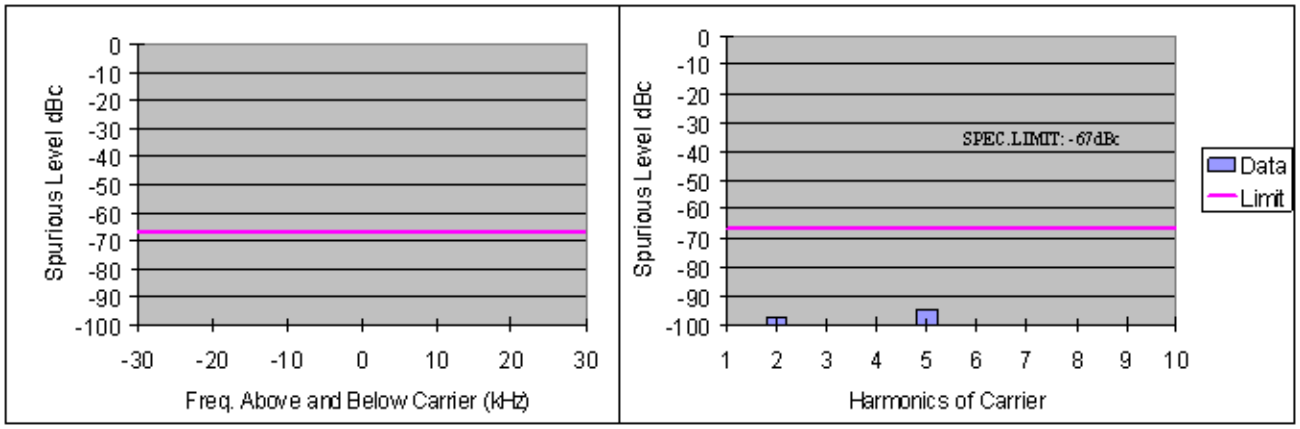


Figure 6G-22: 48W Harmonics of Carrier 380.0125 MHz, 12.5 kHz Channel Spacing

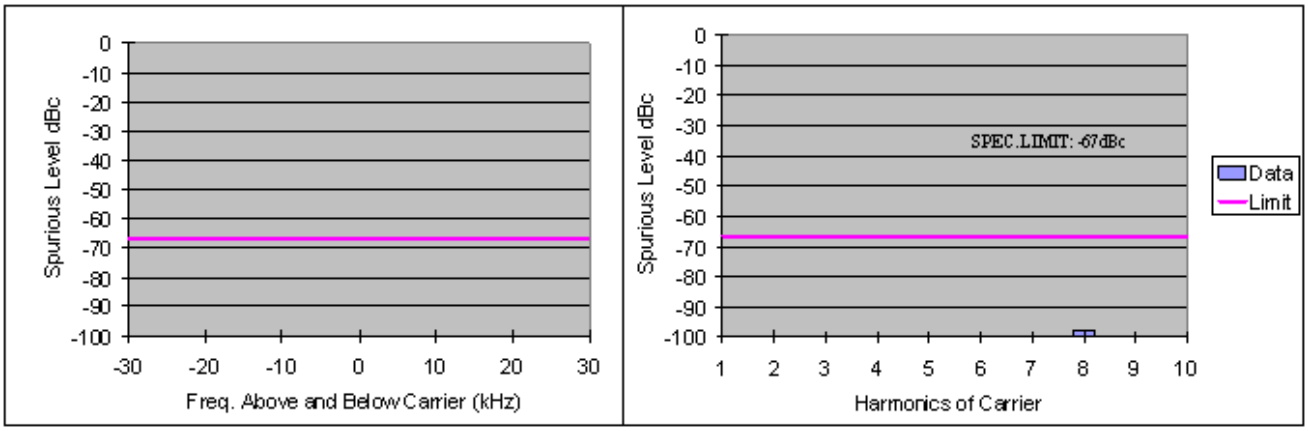


Figure 6G-23: 48W Harmonics of Carrier 406.2 MHz, 12.5 kHz Channel Spacing

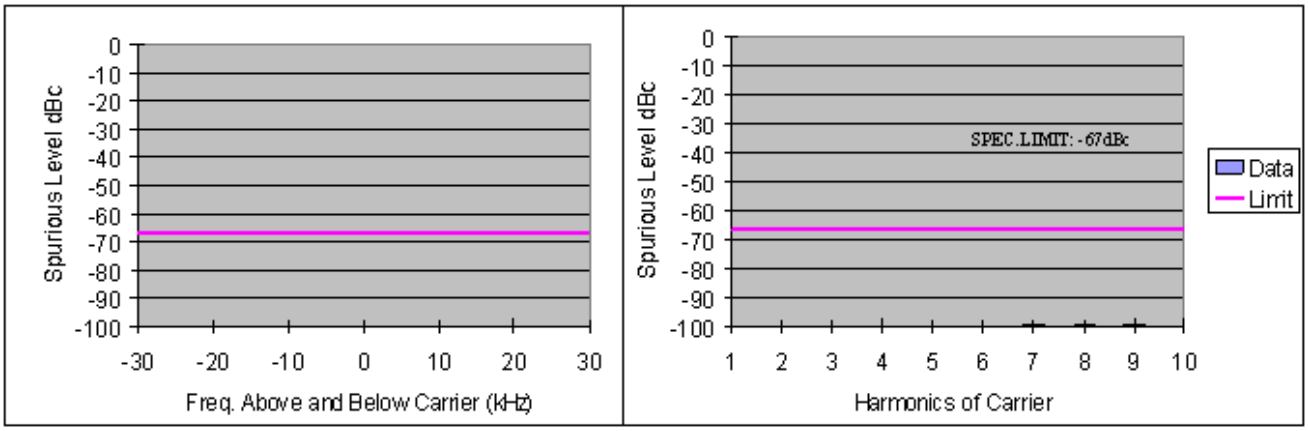


Figure 6G-24: 48W Harmonics of Carrier 425.0125 MHz, 12.5 kHz Channel Spacing

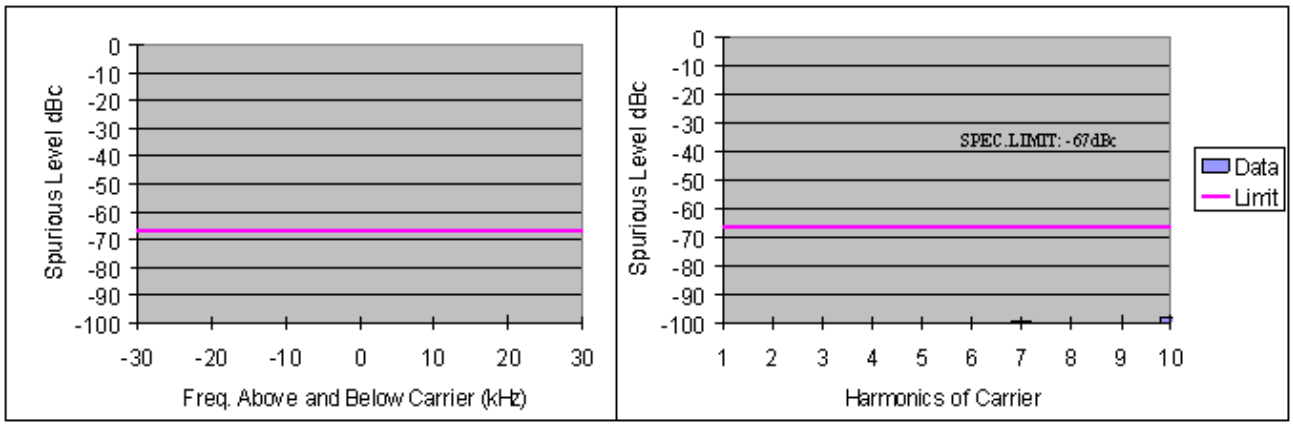


Figure 6G-25: 48W Harmonics of Carrier 469.9875 MHz, 12.5 kHz Channel Spacing

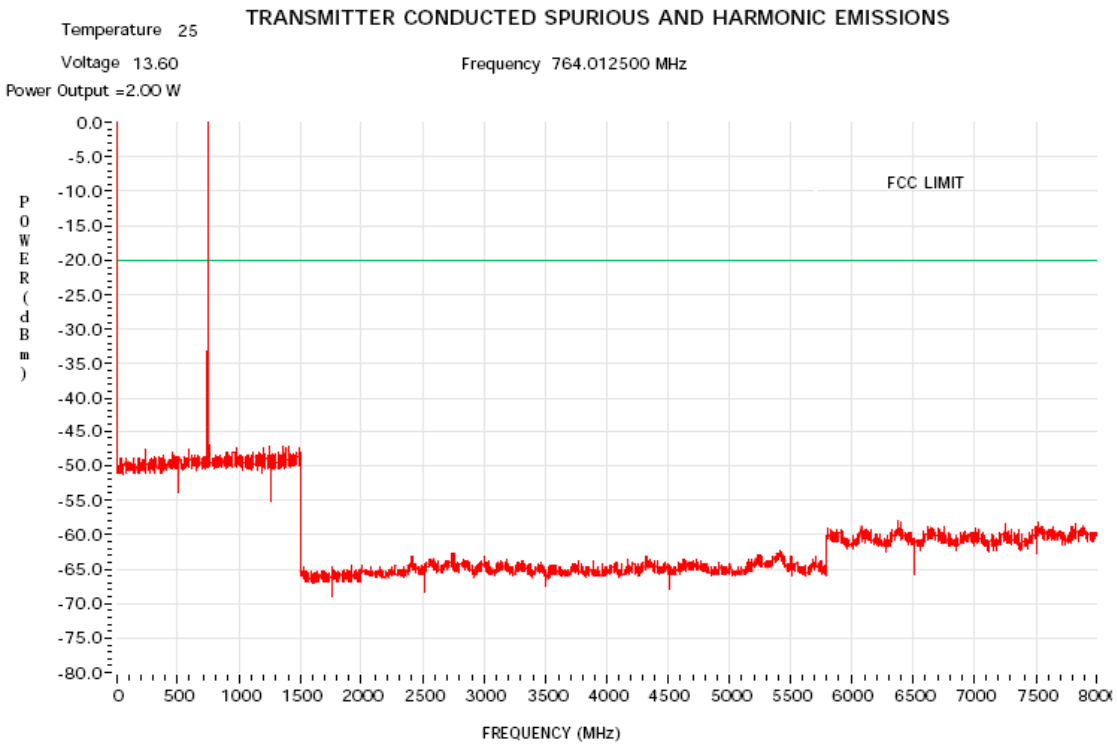


Figure 6G-26: 2 Watts Harmonic of Carrier 764.0125 MHz

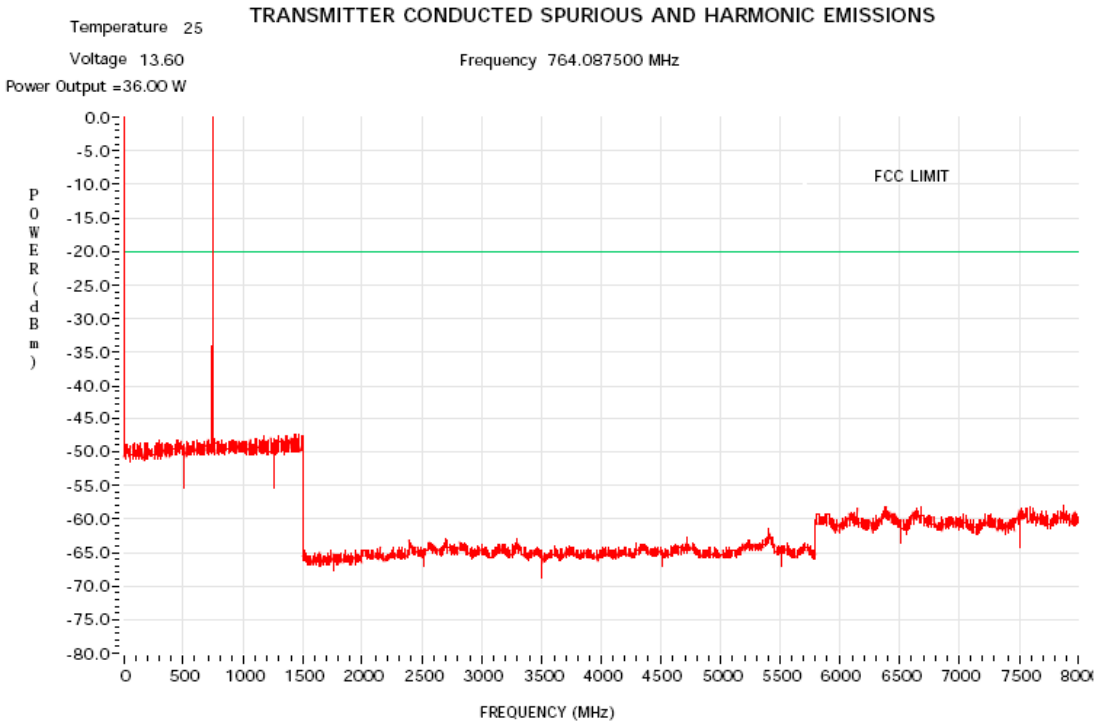


Figure 6G-27: 36 Watts Harmonic of Carrier 764.0875 MHz

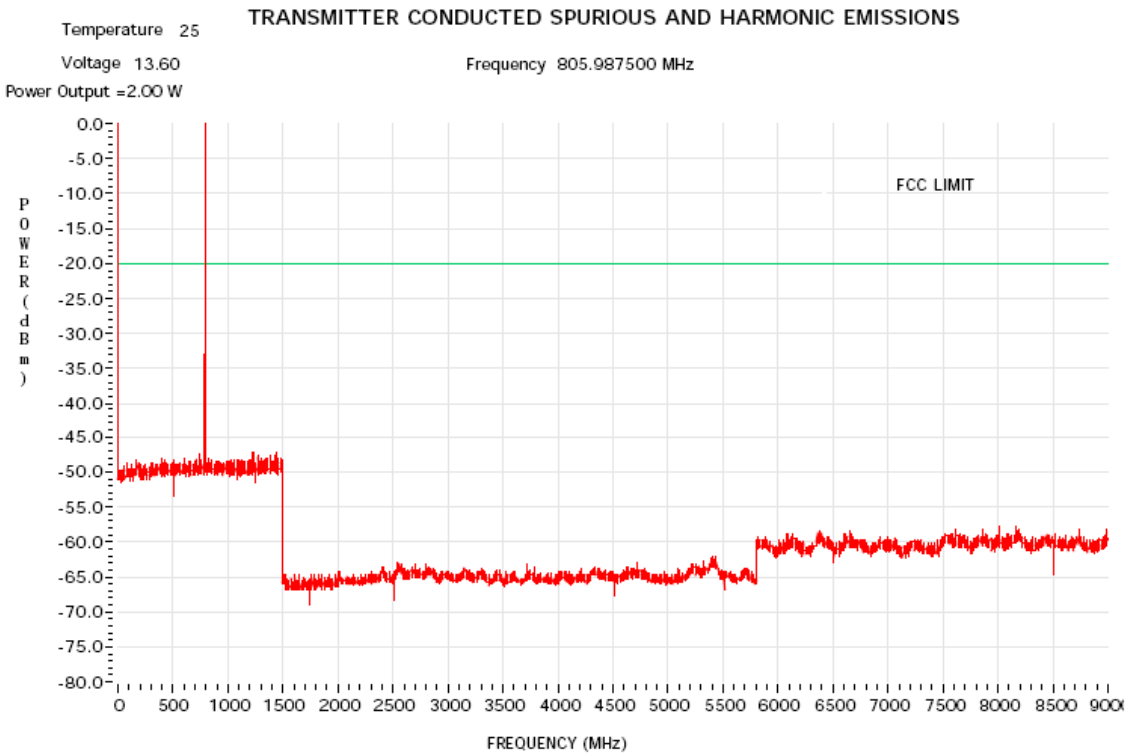


Figure 6G-28: 2 Watts Harmonic of Carrier 805.9875MHz

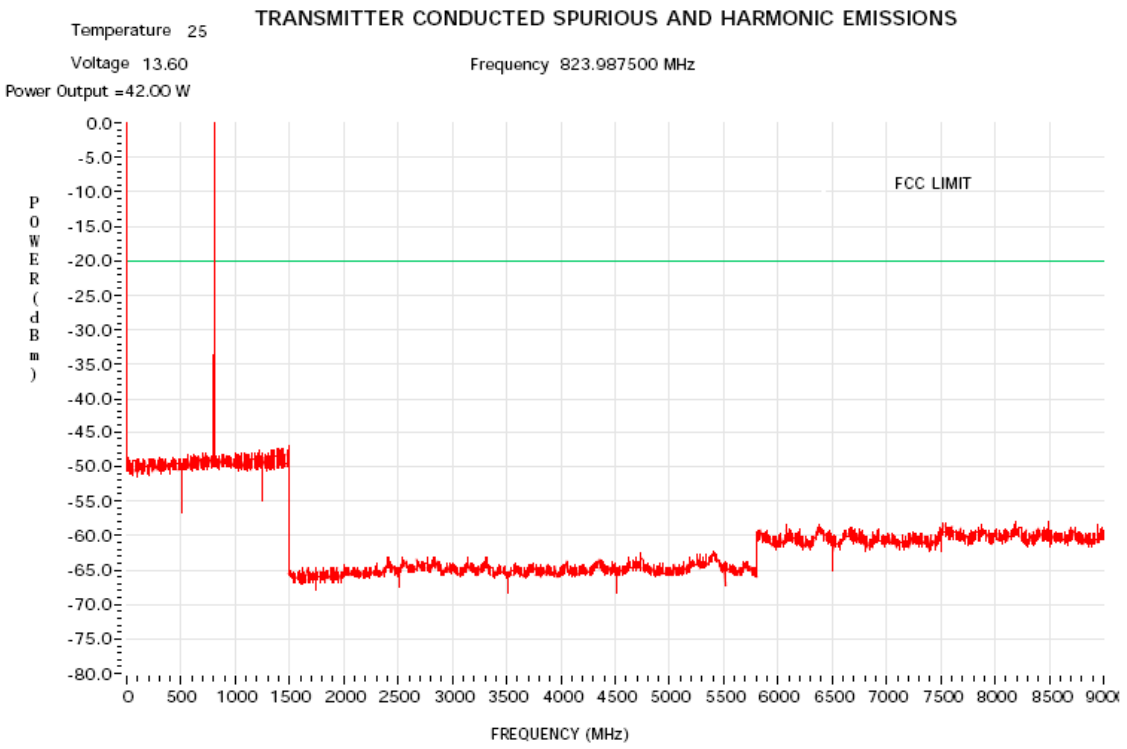


Figure 6G-29: 42 Watts Harmonic of Carrier 823.9875 MHz

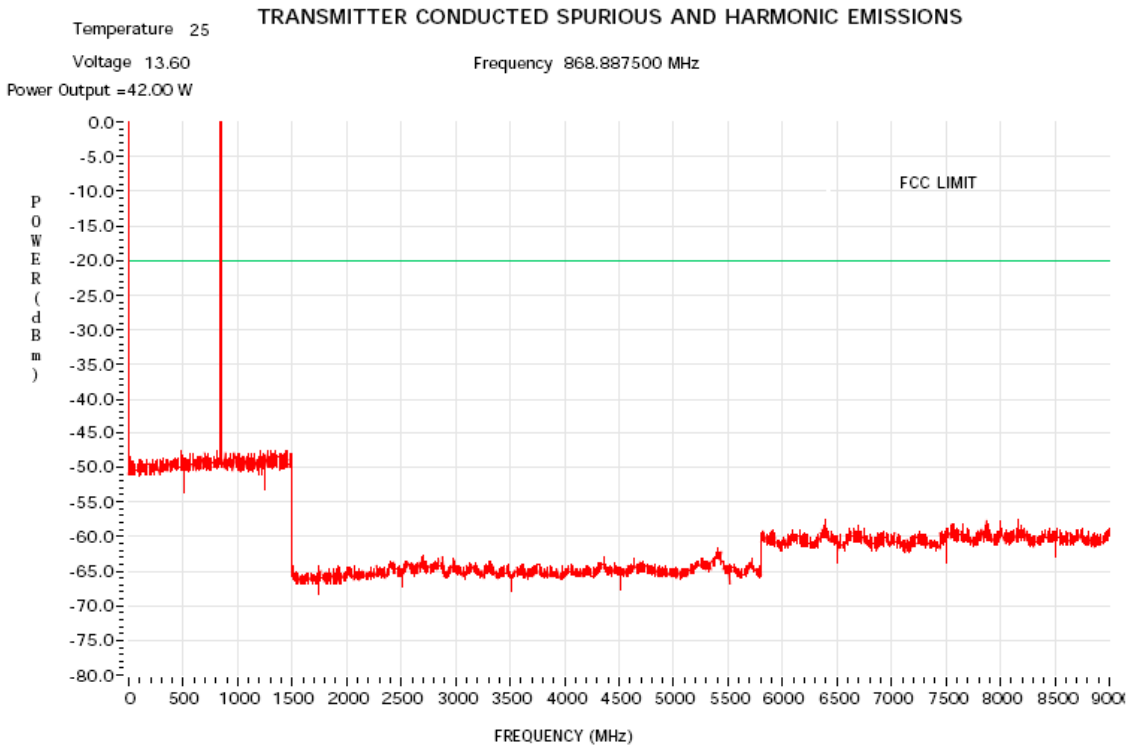


Figure 6G-30: 42 Watts Harmonic of Carrier 868.8875 MHz

TDMA- F2

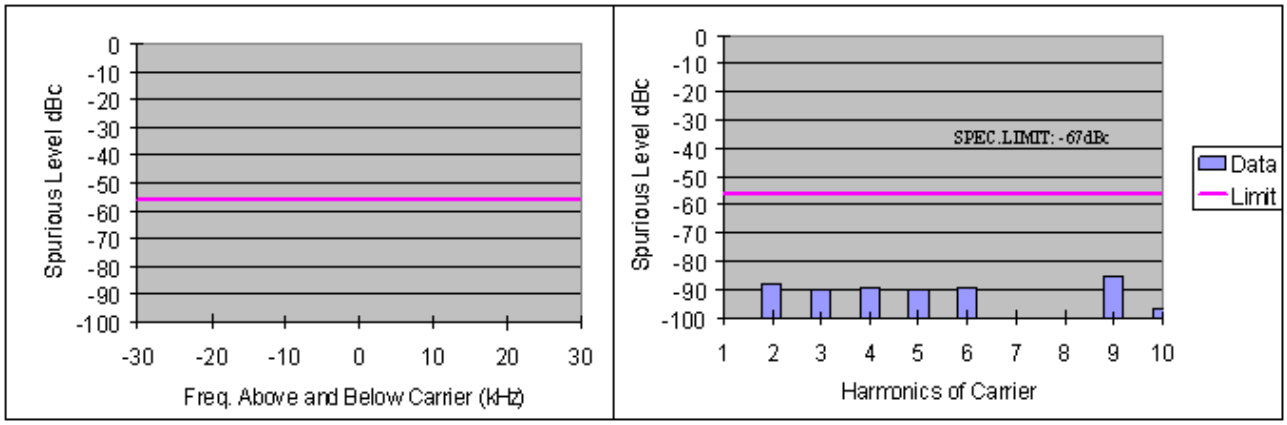


Figure 6G-31: 4W Harmonics of Carrier 380.0125 MHz, 12.5 kHz Channel Spacing

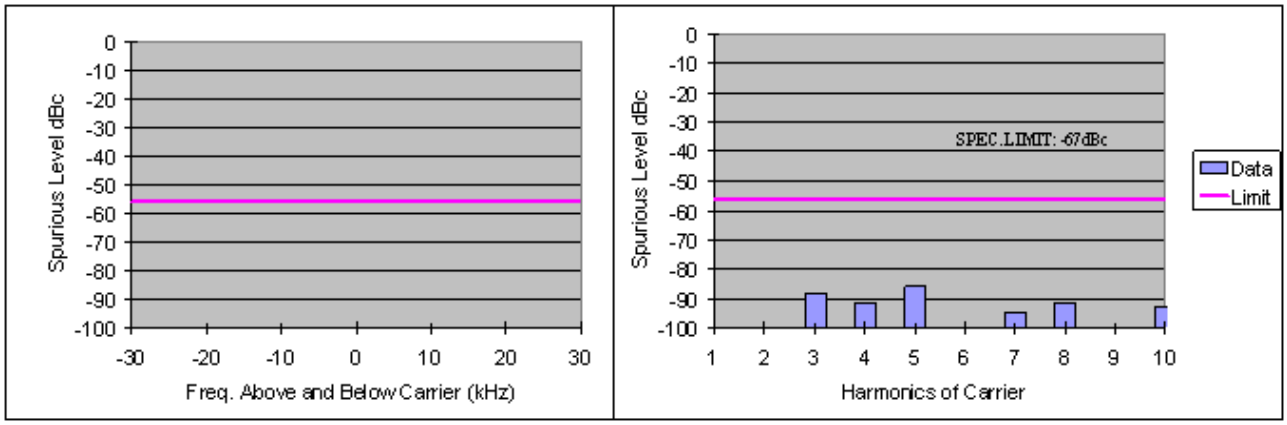


Figure 6G-32: 4W Harmonics of Carrier 406.2 MHz, 12.5 kHz Channel Spacing

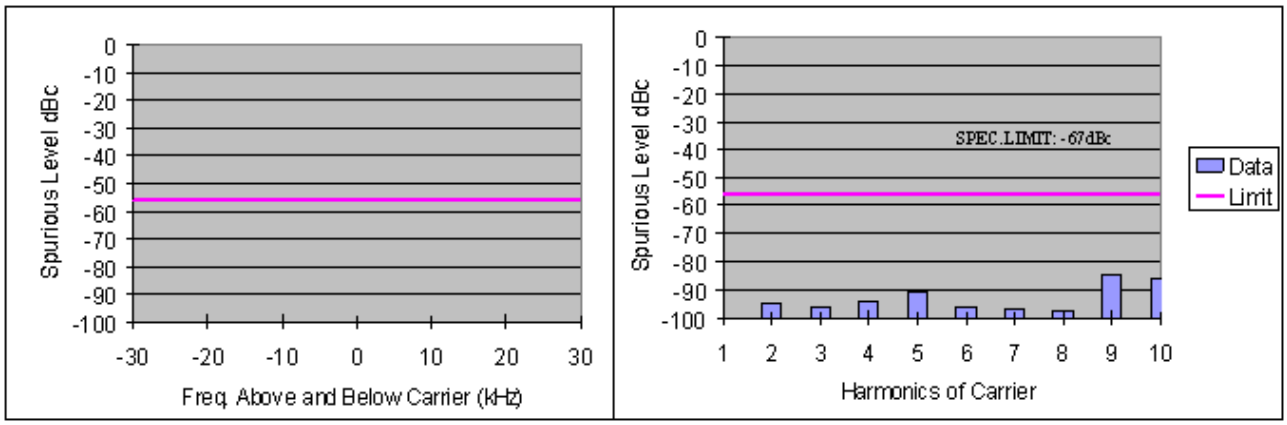


Figure 6G-33: 4W Harmonics of Carrier 425.0125 MHz, 12.5 kHz Channel Spacing

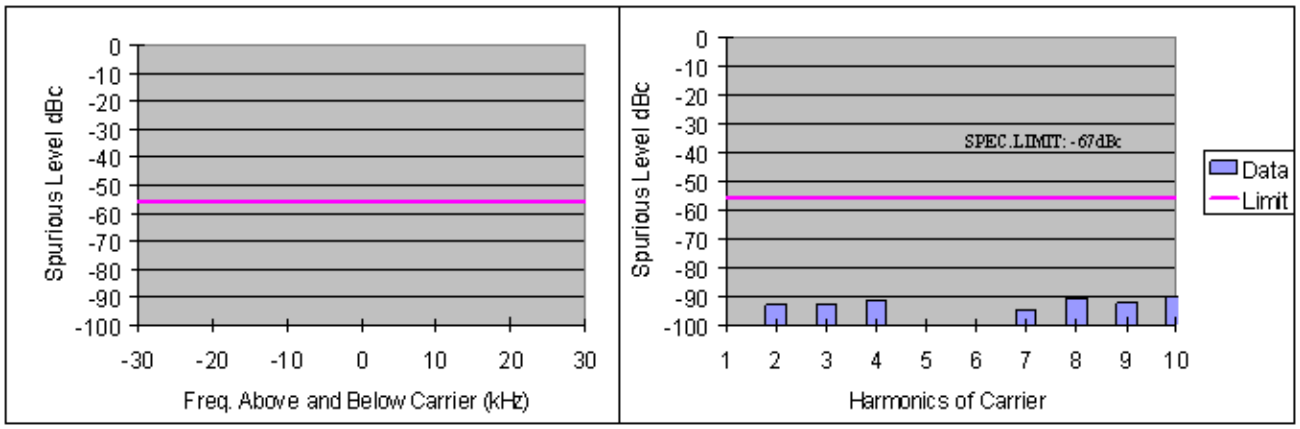


Figure 6G-34: 4W Harmonics of Carrier 469.9875 MHz, 12.5 kHz Channel Spacing

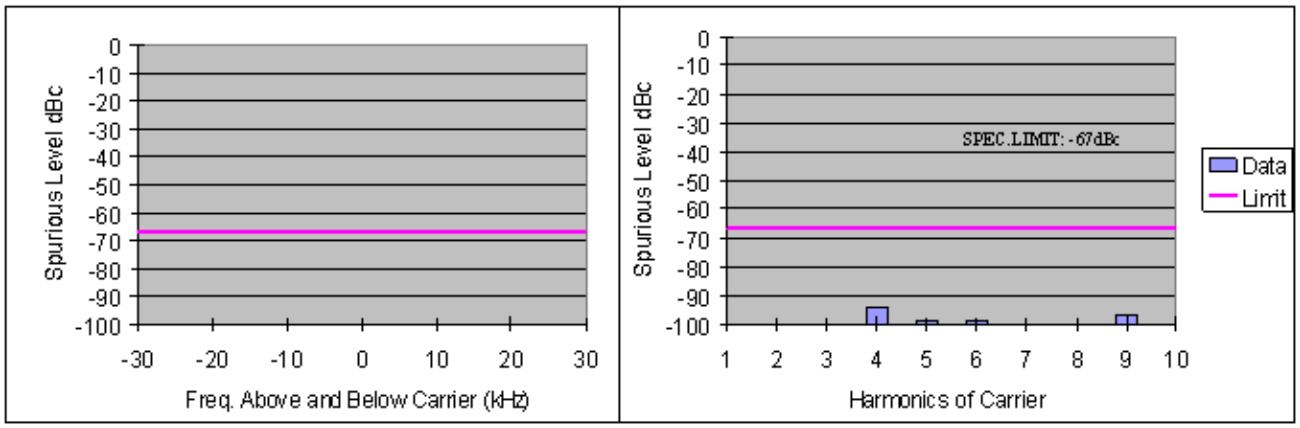


Figure 6G-35: 48W Harmonics of Carrier 380.0125 MHz, 12.5 kHz Channel Spacing

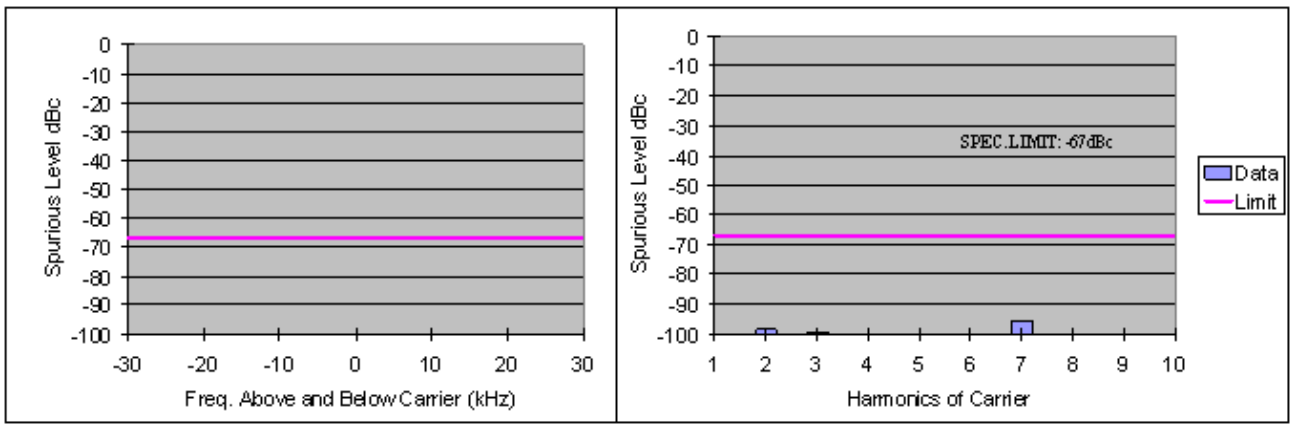


Figure 6G-36: 48W Harmonics of Carrier 406.2 MHz, 12.5 kHz Channel Spacing

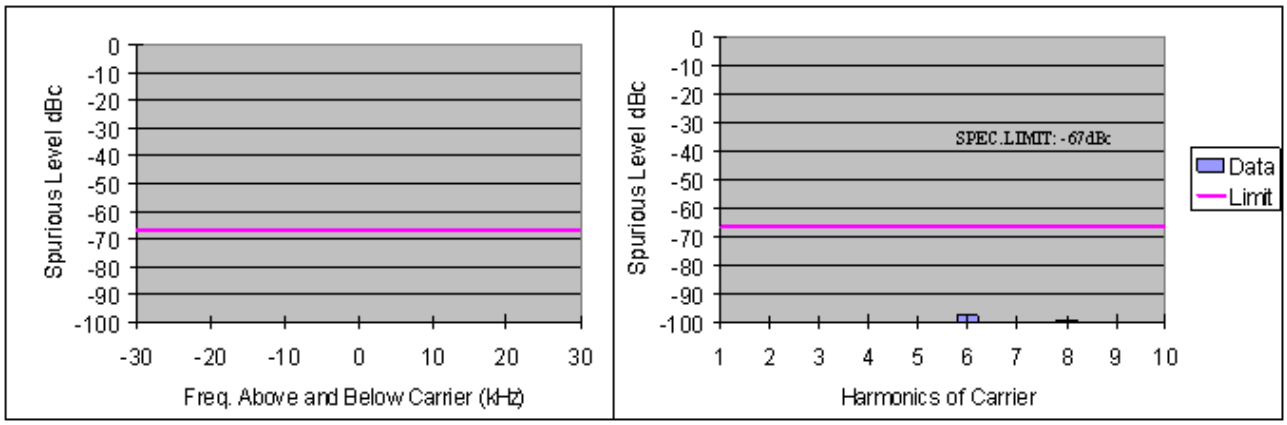


Figure 6G-37: 48W Harmonics of Carrier 425.0125 MHz, 12.5 kHz Channel Spacing

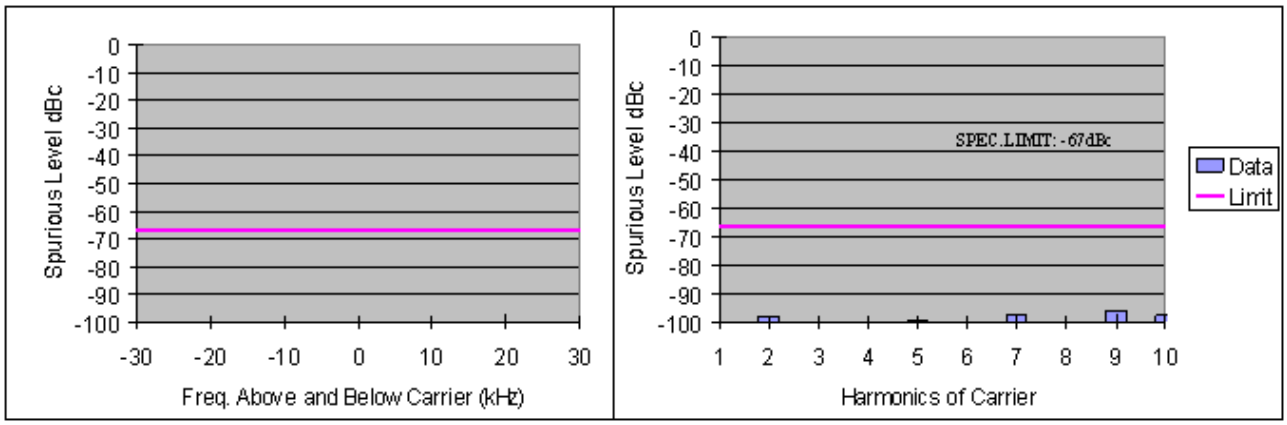


Figure 6G-38: 48W Harmonics of Carrier 469.9875 MHz, 12.5 kHz Channel Spacing

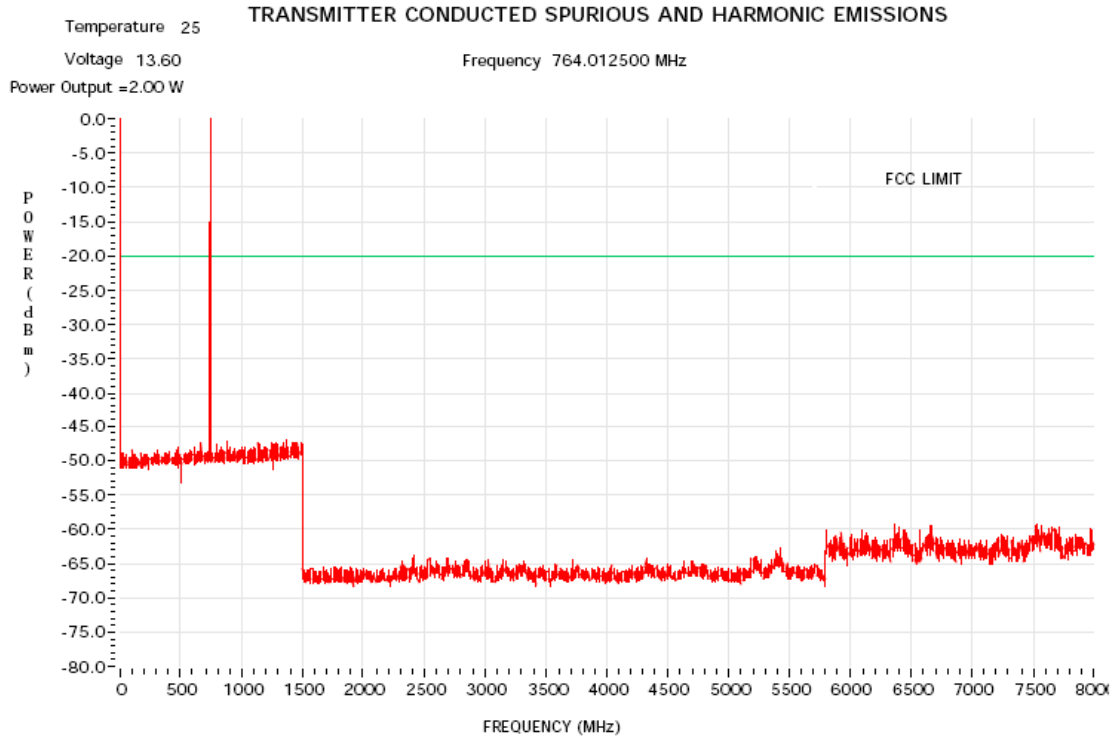


Figure 6G-39: 2 Watts Harmonic of Carrier 764.0125 MHz

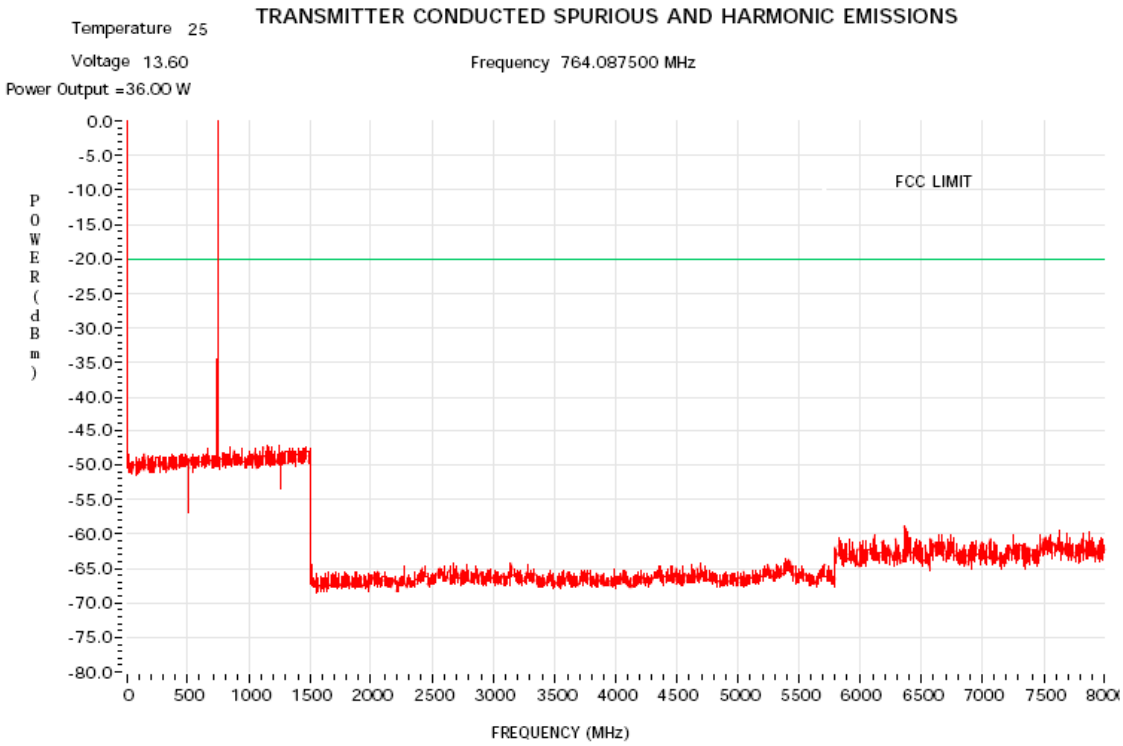


Figure 6G-40: 36 Watts Harmonic of Carrier 764.0875 MHz

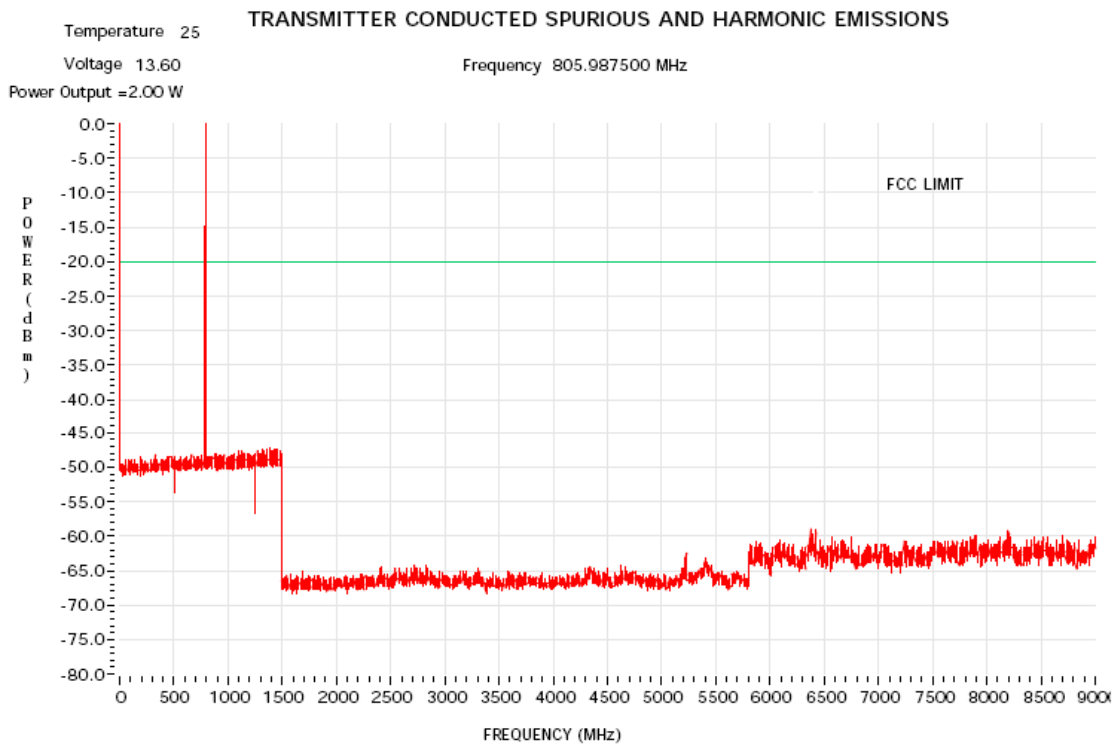


Figure 6G-41: 2 Watts Harmonic of Carrier 805.9875 MHz

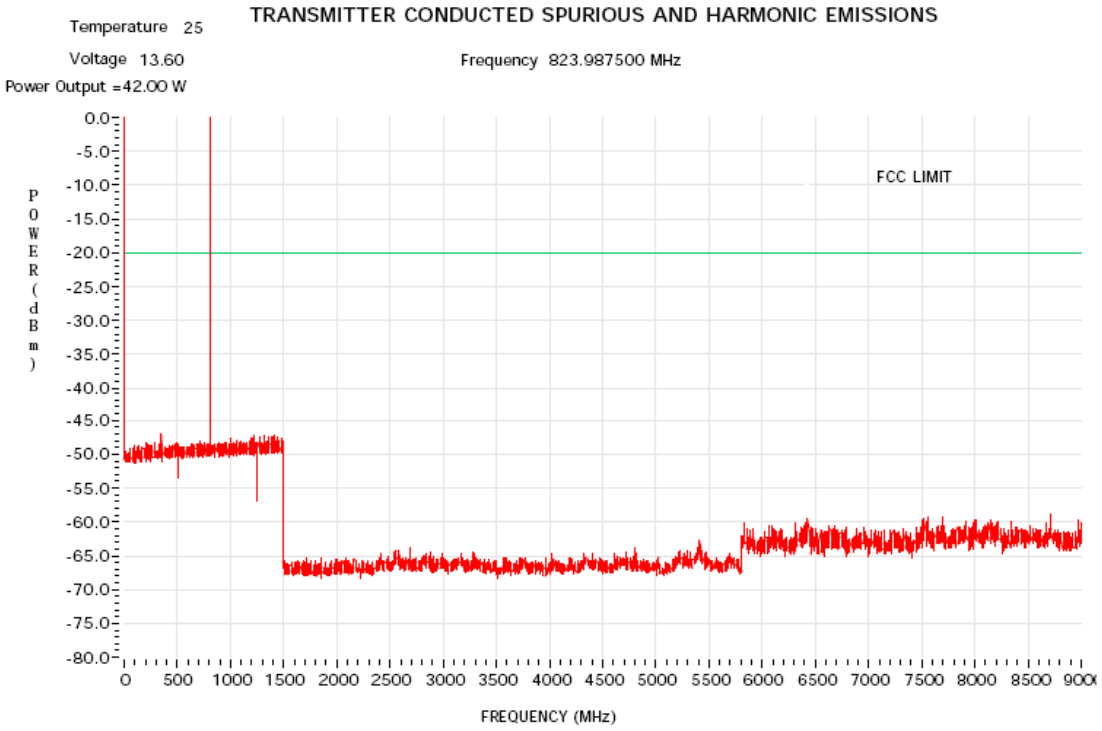


Figure 6G-42: 42 Watts Harmonic of Carrier 823.9875 MHz

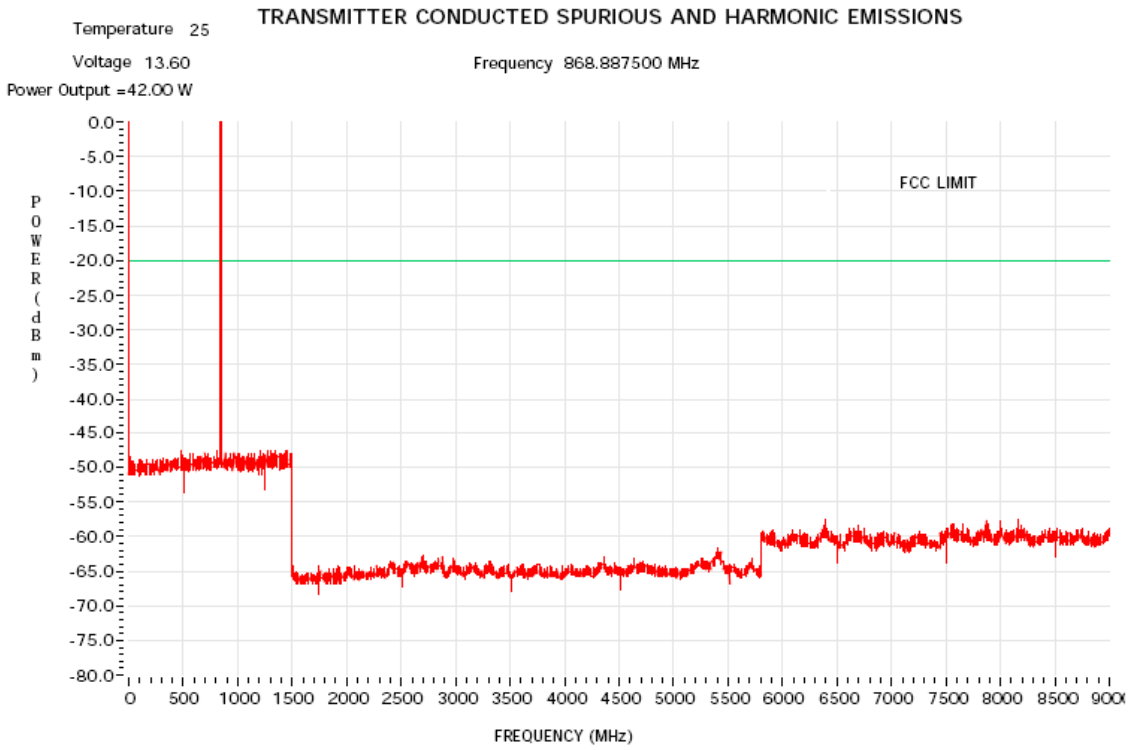


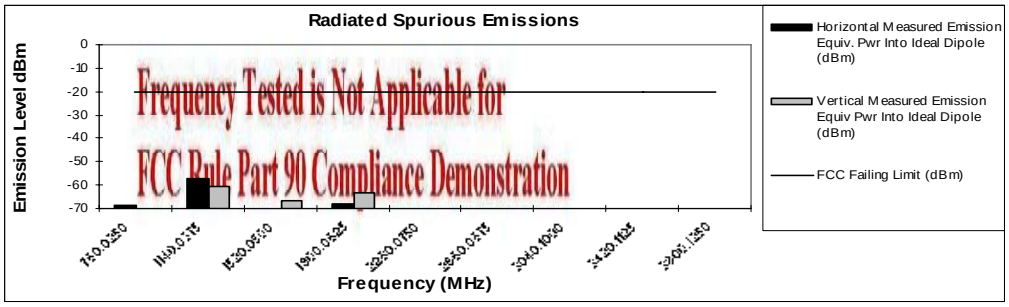
Figure 6G-43: 43 Watts Harmonic of Carrier 868.8875MHz

EXHIBIT 6H
Radiated Spurious Emissions - Pursuant 47 CFR 2.1051 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**

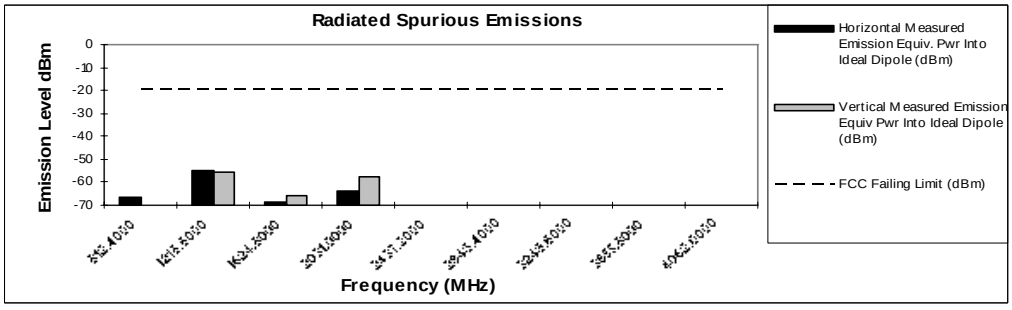
Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
760.0250	-20	-68.37	-69.80
1140.0375	-20	-57.40	-60.29
1520.0500	-20	-71.12	-66.76
1900.0625	-20	-68.02	-63.41
2280.0750	-20	*	*
2660.0875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

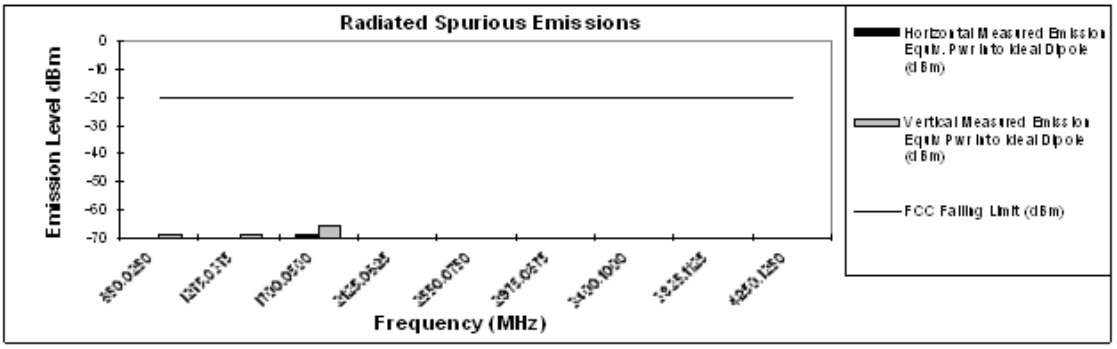
Motorola Plantation EMC Lab – Test Performed by: Curt Mc Lennan **May 19, 2010**
FCC Registration: 91932 / Industry Canada: IC109U-1

Figure 6H-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**

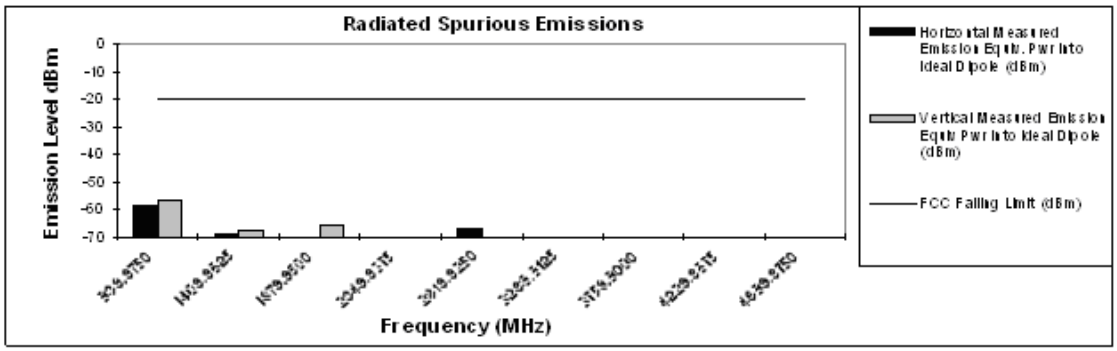
Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
850.0250	-20	-70.96	-68.44
1275.0375	-20	-72.19	-68.95
1700.0500	-20	-68.70	-65.61
2125.0625	-20	*	*
2550.0750	-20	*	*
2975.0875	-20	*	*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

Motorola Plantation EMC Lab – Test Performed by: Curt Mc Lennan **May 19, 2010**
FCC Registration: 91932 / Industry Canada: IC109U-1

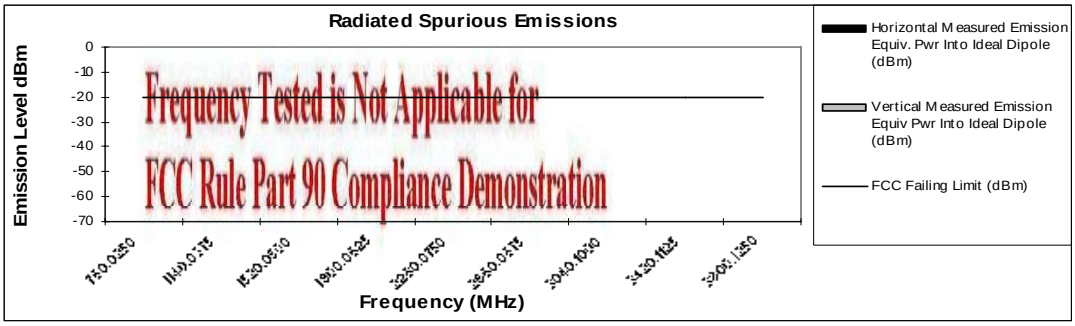
Figure 6H-2: 48W, 425.0125 MHz & 469.9875 MHz, 12.5 kHz Channel Spacing

Transmit Radiated Spurious Emissions: APX7500 DIGITAL

Tx Power: 4 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	-77.07	-73.03
1140.0375	-20	-70.85	-73.57
1520.0500	-20	*	*
1900.0625	-20	*	*
2280.0750	-20	*	*
2660.0875	-20	*	*
3040.1000	-20	*	*
3420.1125	-20	*	*
3800.1250	-20	*	*

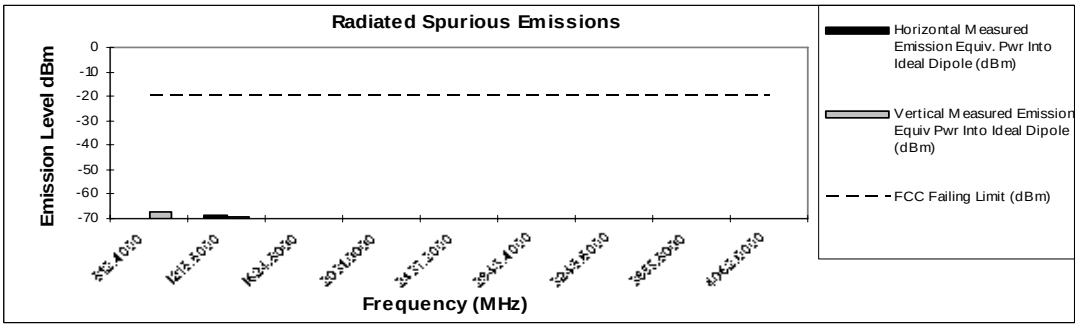


Transmit Radiated Spurious Emissions: APX7500 DIGITAL

Tx Power: 4 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	-73.71	-67.54
1218.6000	-20	-68.69	-69.47
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 **May 19, 2010**
FCC Registration: 91932 / Industry Canada: IC109U-1

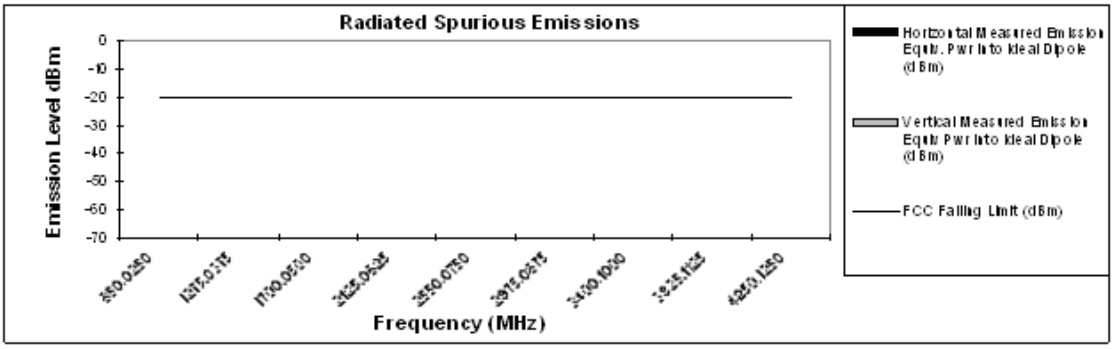
Figure 6H-3: 4W, 380.0125 MHz & 406.2 MHz, 12.5 kHz Channel Spacing

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	*	*

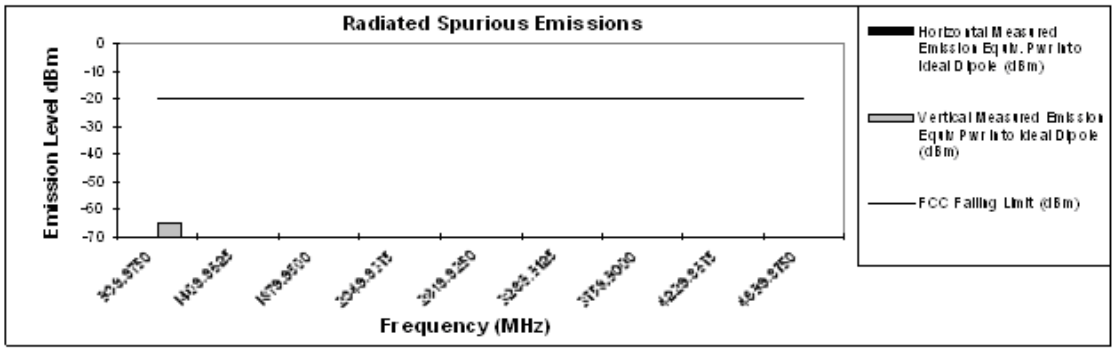


Transmit Radiated Spurious Emissions: APX7500 ANALOG

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.

Motorola Plantation EMC Lab – Test Performed by: Curt Mc Lennan **May 19, 2010**
FCC Registration: 91932 / Industry Canada: IC109U-1

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

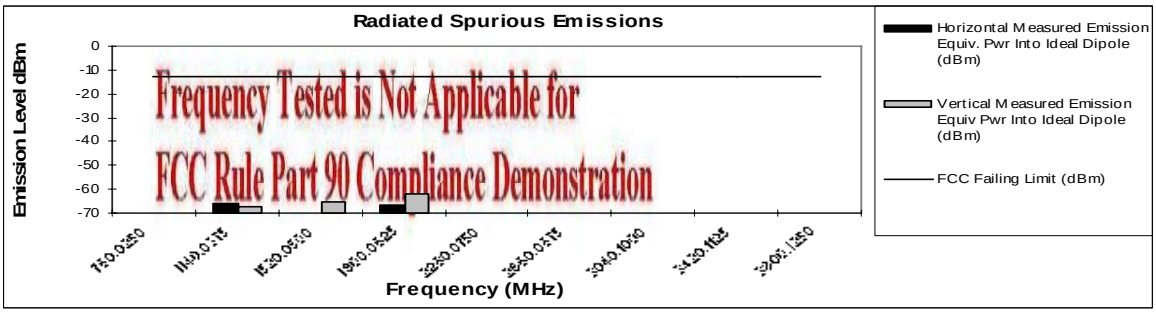
Motorola Inc. **FCC ID:AZ492FT7043**

Transmit Radiated Spurious Emissions: APX7500 MHUS1008A

Tx Power: 48 Watts

380.0125 MHz **Channel Spacing 25kHz | S/N CAI1006MF7**

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	-13	-75.41	-70.52
1140.0375	-13	-66.18	-67.63
1520.0500	-13	-70.37	-65.15
1900.0625	-13	-66.72	-61.99
2280.0750	-13	*	*
2660.0875	-13	*	*
3040.1000	-13	*	*
3420.1125	-13	*	*
3800.1250	-13	*	*

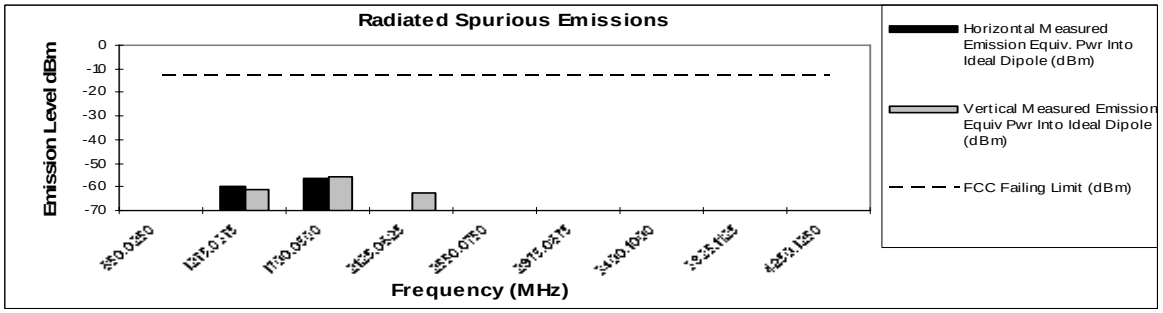


Transmit Radiated Spurious Emissions: APX7500 MHUS1008A

Tx Power: 48 Watts

425.0125 MHz **Channel Spacing 25kHz | S/N CAI1006MF7**

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	-13	-75.79	-70.96
1275.0375	-13	-59.61	-61.17
1700.0500	-13	-56.43	-56.04
2125.0625	-13	-70.27	-62.34
2550.0750	-13	*	*
2975.0875	-13	*	*
3400.1000	-13	*	*
3825.1125	-13	*	*
4250.1250	-13	*	*



* 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: Alberto Cordero **August 26, 2010**
FCC Registration: 91932 / Industry Canada: IC109U-1

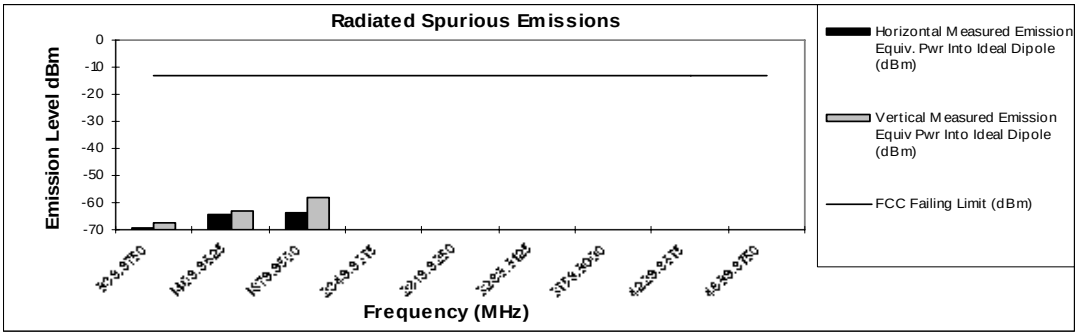
Figure 6H-5: 48W, 380.0125 MHz & 425.0125 MHz, 25 kHz Channel Spacing

Transmit Radiated Spurious Emissions: APX7500 MHUS1008A

Tx Power: 48 Watts

469.9875 MHz **Channel Spacing 25kHz | S/N CAI1006MF7**

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	-13	-69.28	-67.52
1409.9625	-13	-64.12	-63.21
1879.9500	-13	-63.45	-58.14
2349.9375	-13	*	*
2819.9250	-13	*	*
3289.9125	-13	*	*
3759.9000	-13	*	*
4229.8875	-13	*	*
4699.8750	-13	*	*

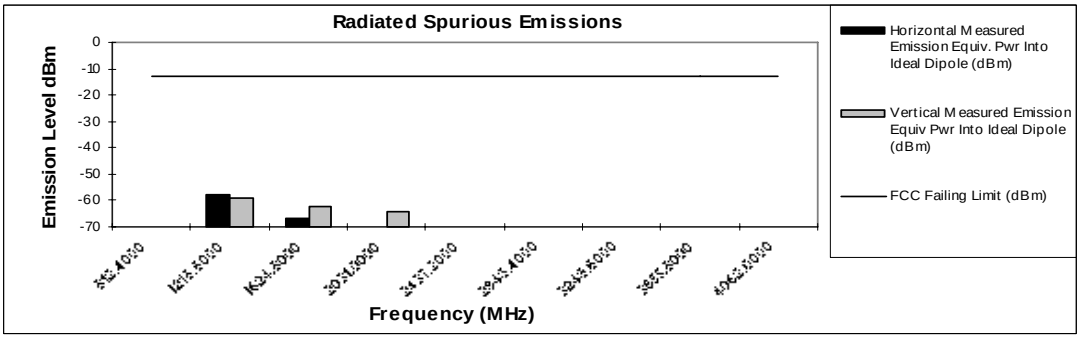


Transmit Radiated Spurious Emissions: APX7500 MHUS1008A

Tx Power: 48 Watts

406.2 MHz **Channel Spacing 25kHz | S/N CAI1006MF7**

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	-13	-70.54	-73.05
1218.6000	-13	-57.58	-59.36
1624.8000	-13	-66.68	-62.46
2031.0000	-13	-70.07	-64.13
2437.2000	-13	*	*
2843.4000	-13	*	*
3249.6000	-13	*	*
3655.8000	-13	*	*
4062.0000	-13	*	*



* 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: Alberto Cordero **August 26, 2010**
FCC Registration: 91932 / Industry Canada: IC109U-1

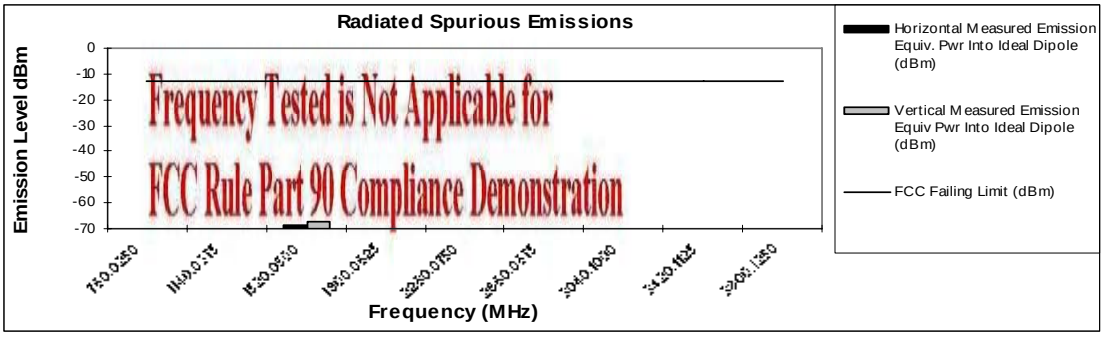
Figure 6H-6: 48W, 469.9875 MHz & 406.2 MHz, 25 kHz Channel Spacing

Transmit Radiated Spurious Emissions: APX7500 MHUS1008A

Tx Power: 4 Watts

380.0125 MHz **Channel Spacing 25kHz | S/N CAI1006MF7**

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	-13	*	*
1140.0375	-13	-73.02	-71.58
1520.0500	-13	-68.80	-67.07
1900.0625	-13	*	*
2280.0750	-13	*	*
2660.0875	-13	*	*
3040.1000	-13	*	*
3420.1125	-13	*	*
3800.1250	-13	*	*

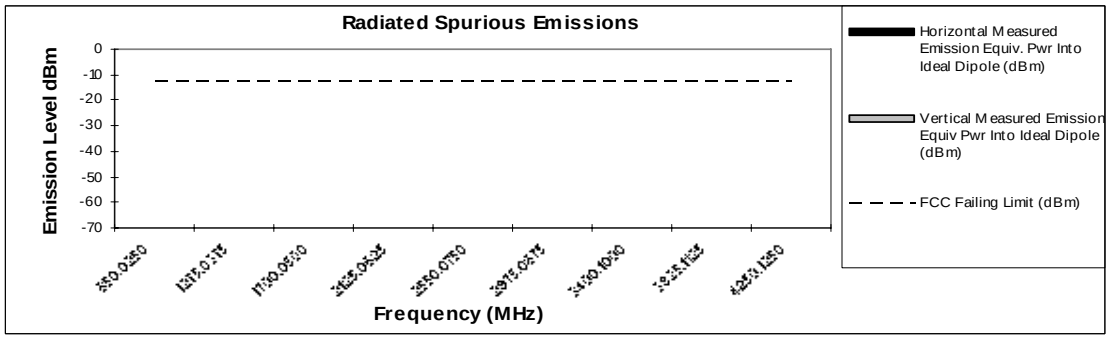


Transmit Radiated Spurious Emissions: APX7500 MHUS1008A

Tx Power: 4 Watts

425.0125 MHz **Channel Spacing 25kHz | S/N CAI1006MF7**

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	-13	-75.27	*
1275.0375	-13	-73.20	-71.09
1700.0500	-13	-72.23	*
2125.0625	-13	*	*
2550.0750	-13	*	*
2975.0875	-13	*	*
3400.1000	-13	*	*
3825.1125	-13	*	*
4250.1250	-13	*	*



* 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: Alberto Cordero **August 26, 2010**

FCC Registration: 91932 / Industry Canada: IC109U-1

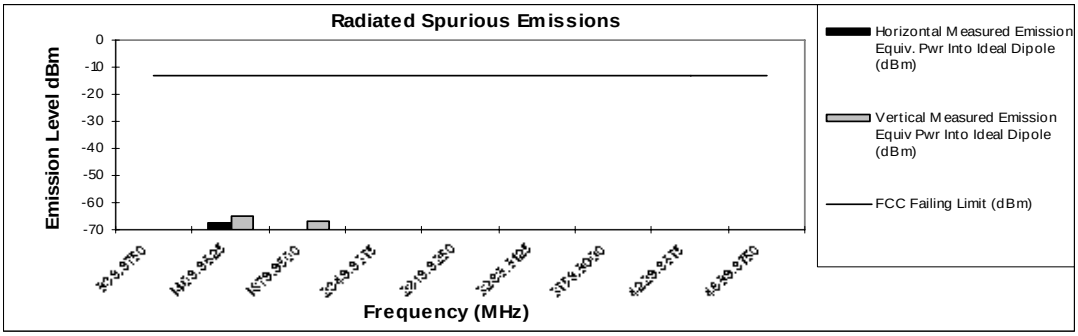
Figure 6H-7: 4W, 380.0125 MHz & 425.0125 MHz, 25 kHz Channel Spacing

Transmit Radiated Spurious Emissions: APX7500 MHUS1008A

Tx Power: 4 Watts

469.9875 MHz **Channel Spacing 25kHz | S/N CAI1006MF7**

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	-13	*	*
1409.9625	-13	-67.61	-65.02
1879.9500	-13	-71.56	-66.75
2349.9375	-13	*	*
2819.9250	-13	*	*
3289.9125	-13	*	*
3759.9000	-13	*	*
4229.8875	-13	*	*
4699.8750	-13	*	*

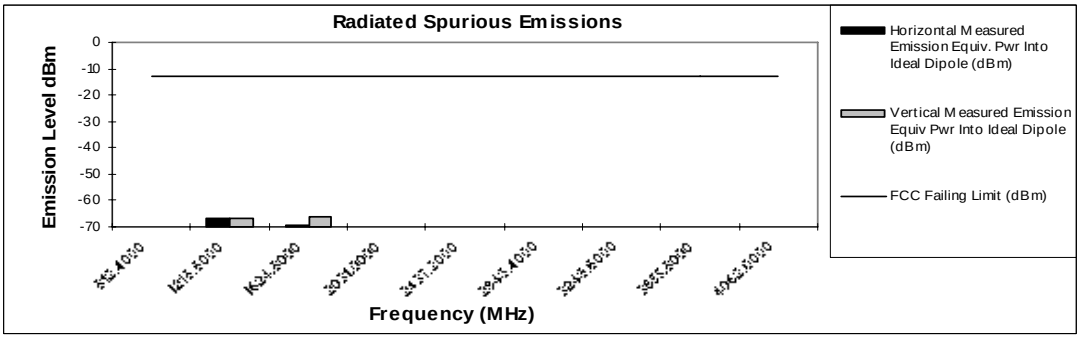


Transmit Radiated Spurious Emissions: APX7500 MHUS1008A

Tx Power: 4 Watts

406.2 MHz **Channel Spacing 25kHz | S/N CAI1006MF7**

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	-13	-74.96	*
1218.6000	-13	-66.88	-66.98
1624.8000	-13	-69.59	-66.05
2031.0000	-13	*	*
2437.2000	-13	*	*
2843.4000	-13	*	*
3249.6000	-13	*	*
3655.8000	-13	*	*
4062.0000	-13	*	*



* 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: Alberto Cordero **August 26, 2010**
FCC Registration: 91932 / Industry Canada: IC109U-1

Figure 6H-8: 4W, 469.9875 MHz & 406.2 MHz, 25 kHz Channel Spacing

7/800

Transmit Radiated Spurious Emissions: APX7500 MHUS1008A

Tx Power: 2 Watts

764.0625 MHz **Channel Spacing 25kHz | S/N CAI1006MF7**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1528.1250	-13	-64.80	-64.31
2292.1875	-13	*	*
3056.2500	-13	*	*
3820.3125	-13	*	*
4584.3750	-13	*	*
5348.4375	-13	*	*
6112.5000	-13	*	*
6876.5625	-13	*	*
7640.6250	-13	*	*

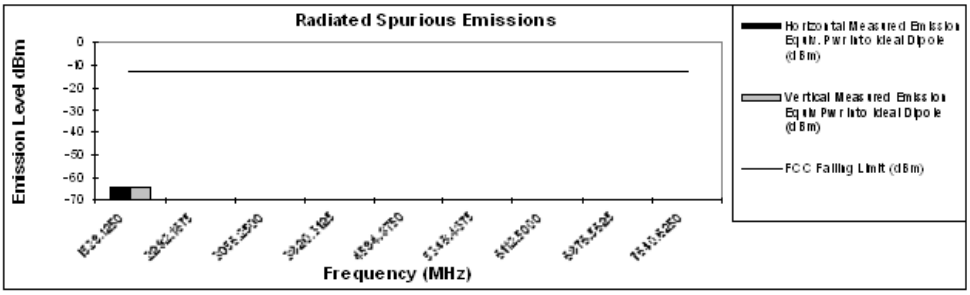


Figure 6H-9: 2 Watts, 764.0625 MHz, 25 KHz Channel Spacing

Transmit Radiated Spurious Emissions: APX7500 (Analog Mode)

Tx Power: 36 Watts

764.0875 MHz **Channel Spacing 25kHz | S/N 1MWM570169**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1528.1750	-13	-65.79	-63.00
2292.2625	-13	-56.91	-57.01
3056.3500	-13	-56.19	-53.94
3820.4375	-13	-60.79	-60.31
4584.5250	-13	-59.77	*
5348.6125	-13	*	*
6112.7000	-13	*	*
6876.7875	-13	*	*
7640.8750	-13	*	*

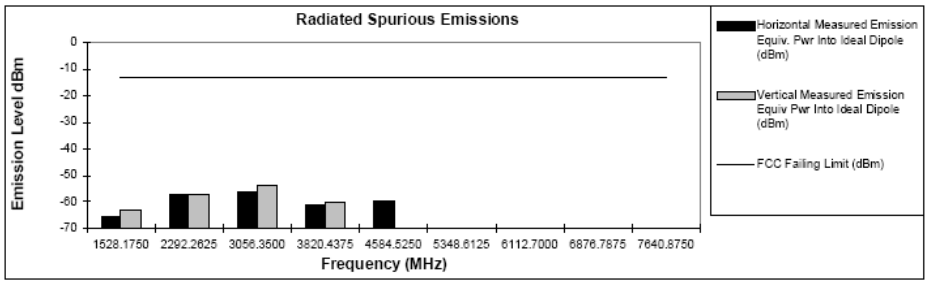


Figure 6H-10: 36 Watts, 764.0875MHz, 25 KHz Channel Spacing

Transmit Radiated Spurious Emissions: APX7500 (Analog Mode)
Tx Power: 36 Watts

775.9875 MHz **Channel Spacing 25kHz | S/N 1MWM570169**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1551.9750	-13	-68.94	-65.82
2327.9625	-13	-53.50	-51.25
3103.9500	-13	-58.43	-54.21
3879.9375	-13	-60.77	-58.08
4655.9250	-13	-56.98	*
5431.9125	-13	*	*
6207.9000	-13	*	*
6983.8875	-13	*	*
7759.8750	-13	*	*

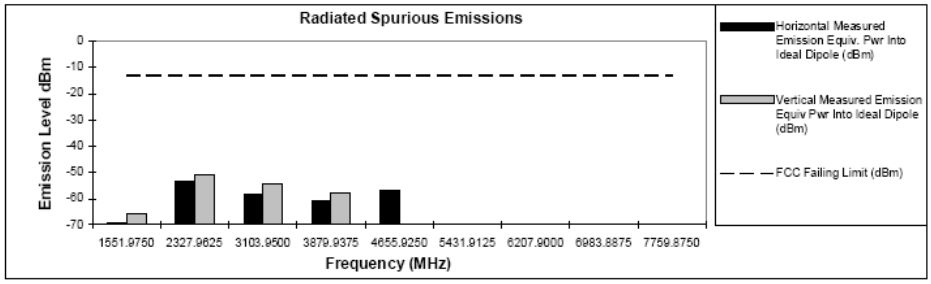


Figure 6H-11: 36 Watts, 775.9875MHz, 25 KHz Channel Spacing

Transmit Radiated Spurious Emissions: APX7500 (Analog Mode)
Tx Power: 36 Watts

794.0125 MHz **Channel Spacing 25kHz | S/N 1MWM570169**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1588.0250	-13	-68.44	-67.47
2382.0375	-13	-46.93	-48.47
3176.0500	-13	-61.39	-58.45
3970.0625	-13	-58.24	-55.60
4764.0750	-13	-56.96	*
5558.0875	-13	*	*
6352.1000	-13	*	*
7146.1125	-13	*	*
7940.1250	-13	*	*

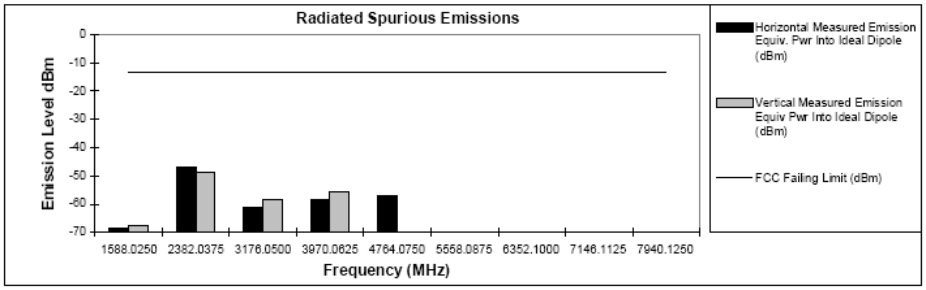


Figure 6H-12: 36 Watts, 794.0125MHz, 25 KHz Channel Spacing

Transmit Radiated Spurious Emissions: APX7500 (Analog Mode)
Tx Power: 2 Watts

805.9875 MHz **Channel Spacing 25kHz | S/N 1MWM380019**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1611.9750	-13	*	*
2417.9625	-13	*	*
3223.9500	-13	*	*
4029.9375	-13	-60.57	*
4835.9250	-13	*	*
5641.9125	-13	*	*
6447.9000	-13	*	*
7253.8875	-13	*	*
8059.8750	-13	*	*

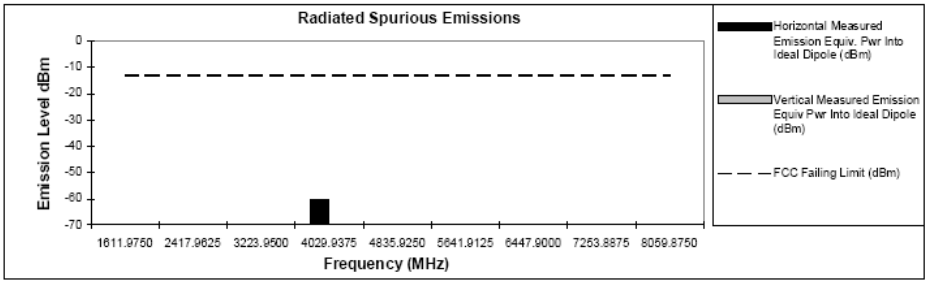


Figure 6H-13: 36 Watts, 805.9875MHz, 25 KHz Channel Spacing

Transmit Radiated Spurious Emissions: APX7500 (Analog Mode)
Tx Power: 42 Watts

806.0125 MHz **Channel Spacing 25kHz | S/N 1MWM570169**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1612.0250	-13	-68.75	-68.61
2418.0375	-13	-37.30	-38.49
3224.0500	-13	-56.90	-57.76
4030.0625	-13	-56.33	-48.92
4836.0750	-13	-61.38	-54.43
5642.0875	-13	*	*
6448.1000	-13	*	*
7254.1125	-13	*	*
8060.1250	-13	*	*

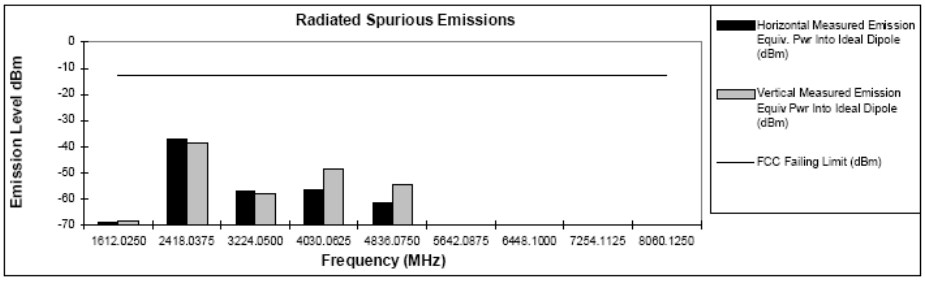


Figure 6H-14: 42 Watts, 806.0125MHz, 25 KHz Channel Spacing

Transmit Radiated Spurious Emissions: APX7500 (Analog Mode)
Tx Power: 42 Watts

823.9875 MHz **Channel Spacing 25kHz | S/N 1MWM570169**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1647.9750	-13	-69.13	-66.20
2471.9625	-13	-40.16	-45.18
3295.9500	-13	-61.27	-58.49
4119.9375	-13	-57.27	-53.94
4943.9250	-13	*	-56.61
5767.9125	-13	*	*
6591.9000	-13	*	*
7415.8875	-13	*	*
8239.8750	-13	*	*

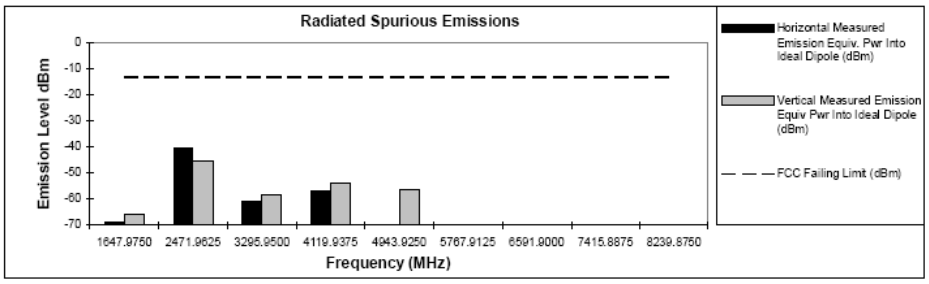


Figure 6H-15: 42 Watts, 823.9875MHz, 25 KHz Channel Spacing

Transmit Radiated Spurious Emissions: APX7500 (Analog Mode)
Tx Power: 42 Watts

851.0125 MHz **Channel Spacing 25kHz | S/N 1MWM570169**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1702.0250	-13	-68.10	-67.39
2553.0375	-13	-42.64	-39.50
3404.0500	-13	-62.48	-62.33
4255.0625	-13	-56.72	-58.35
5106.0750	-13	*	-57.33
5957.0875	-13	-53.40	*
6808.1000	-13	*	-42.84
7659.1125	-13	*	*
8510.1250	-13	*	*

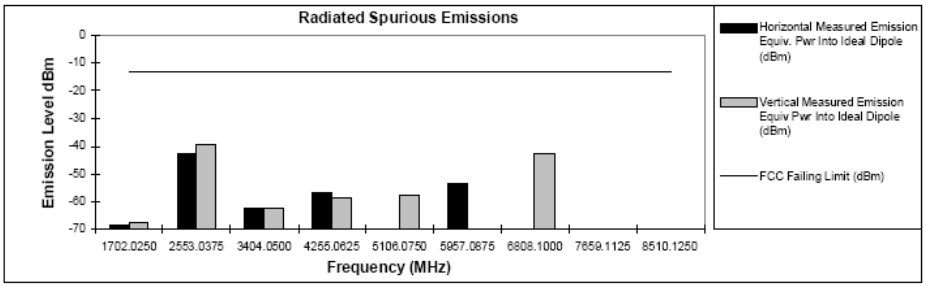


Figure 6H-16: 42 Watts, 851.0125MHz, 25 KHz Channel Spacing

868.8875 MHz **Channel Spacing 25kHz | S/N 1MWM570169**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1737.7750	-13	-68.86	-68.25
2606.6625	-13	-39.76	-39.72
3475.5500	-13	-60.66	-59.17
4344.4375	-13	-56.19	-57.70
5213.3250	-13	*	*
6082.2125	-13	*	*
6951.1000	-13	*	*
7819.9875	-13	*	*
8688.8750	-13	*	*

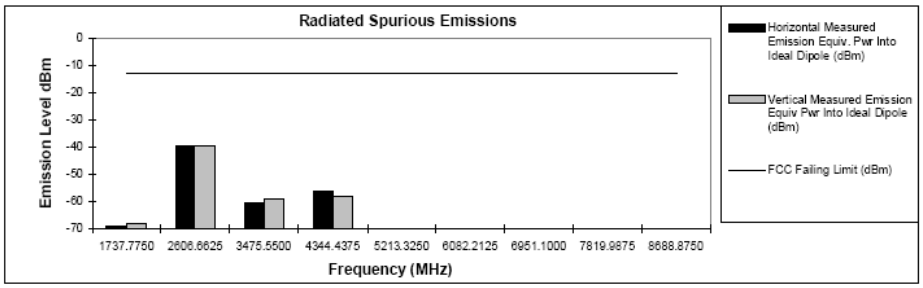


Figure 6H-17: 42 Watts, 868.8875MHz, 25 KHz Channel Spacing

Transmit Radiated Spurious Emissions: APX7500 (APCO Mode)
Tx Power: 36 Watts

764.0875 MHz **Channel Spacing 12.5kHz | S/N 1MWM570169**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1528.1750	-20	-70.25	-64.11
2292.2625	-20	-60.91	-61.69
3056.3500	-20	-56.93	-52.34
3820.4375	-20	*	*
4584.5250	-20	*	*
5348.6125	-20	*	*
6112.7000	-20	*	*
6876.7875	-20	*	*
7640.8750	-20	*	*

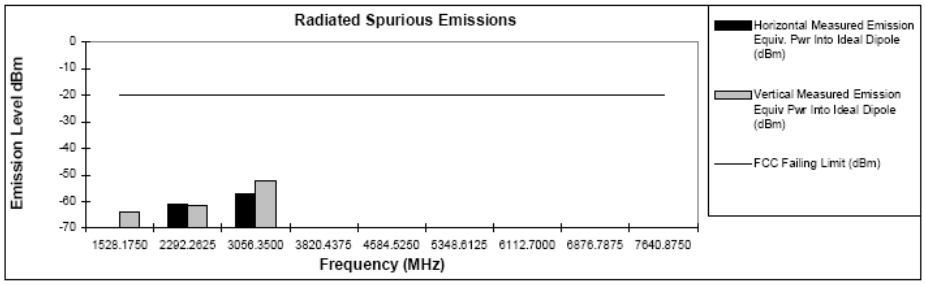


Figure 6H-18: 36 Watts, 764.0875MHz, 12.5 KHz Channel Spacing

Transmit Radiated Spurious Emissions: APX7500 (APCO Mode)
Tx Power: 2 Watts

805.9875 MHz **Channel Spacing 12.5kHz | S/N 1MWM380019**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1611.9750	-20	*	-70.60
2417.9625	-20	*	*
3223.9500	-20	*	*
4029.9375	-20	*	*
4835.9250	-20	*	*
5641.9125	-20	*	*
6447.9000	-20	*	*
7253.8875	-20	*	*
8059.8750	-20	*	*

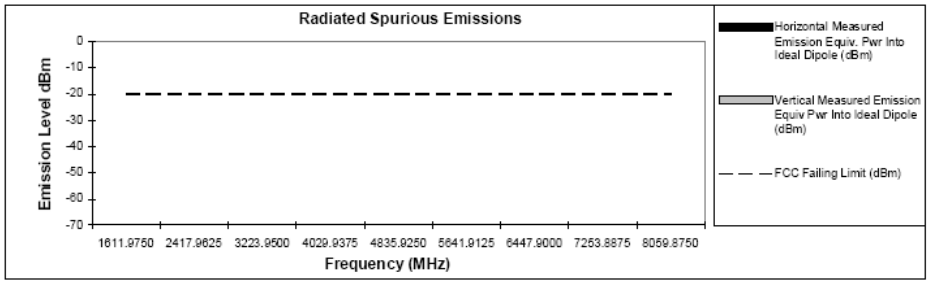


Figure 6H-19: 2 Watts, 805.9875MHz, 12.5 KHz Channel Spacing

Transmit Radiated Spurious Emissions: APX7500 (APCO Mode)
Tx Power: 42 Watts

823.9875 MHz **Channel Spacing 12.5kHz | S/N 1MWM570169**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1647.9750	-20	-70.10	-66.67
2471.9625	-20	-34.03	-34.32
3295.9500	-20	-60.45	-55.98
4119.9375	-20	-54.35	-47.84
4943.9250	-20	*	*
5767.9125	-20	*	*
6591.9000	-20	*	*
7415.8875	-20	*	*
8239.8750	-20	*	*

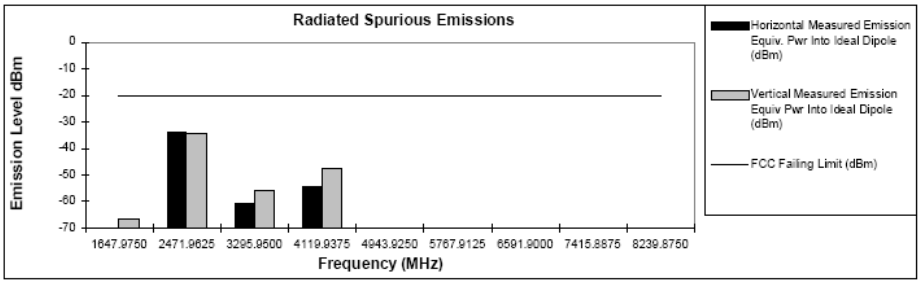


Figure 6H-20: 42 Watts, 823.9875MHz, 12.5 KHz Channel Spacing

Transmit Radiated Spurious Emissions: APX7500 (APCO Mode)
Tx Power: 42 Watts

868.8875 MHz **Channel Spacing 12.5kHz | S/N 1MWM570169**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1737.7750	-20	-62.56	-60.94
2606.6625	-20	-46.39	-46.09
3475.5500	-20	*	*
4344.4375	-20	-58.33	-53.54
5213.3250	-20	*	*
6082.2125	-20	*	*
6951.1000	-20	*	*
7819.9875	-20	*	*
8688.8750	-20	*	*

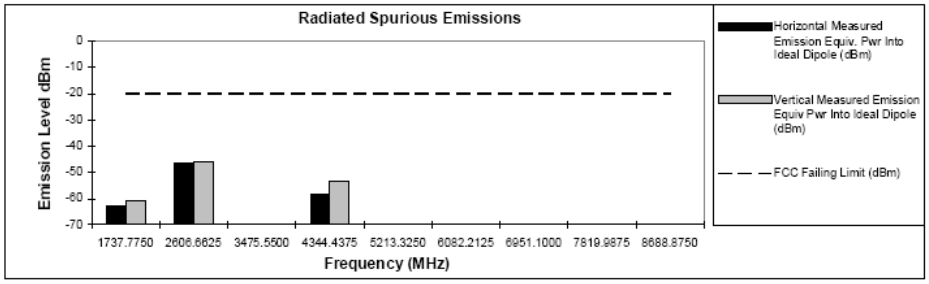


Figure 6H-21: 42 Watts, 868.8875 MHz, 12.5 KHz Channel Spacing

Transmit Radiated Spurious Emissions: APX7500 (F2 Mode)
Tx Power: 2 Watts

764.0125 MHz **Channel Spacing 12.5 KHz | S/N TU098J040W**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1528.0250	-20	-61.02	-57.41
2292.0375	-20	*	-61.79
3056.0500	-20	-55.70	-42.44
3820.0625	-20	-52.82	*
4584.0750	-20	*	*
5348.0875	-20	*	*
6112.1000	-20	*	*
6876.1125	-20	*	*
7640.1250	-20	*	*

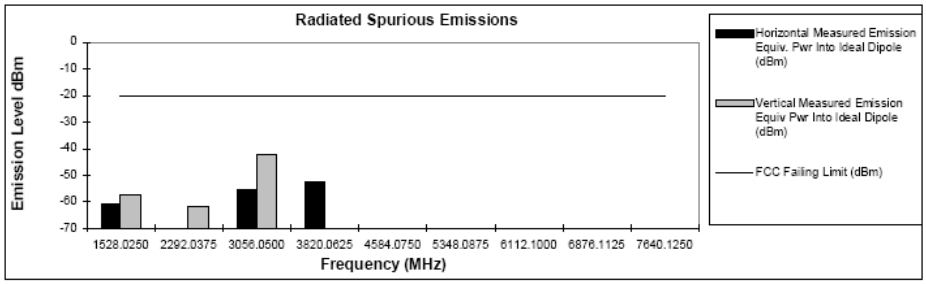


Figure 6H-22: 42 Watts, 764.0125MHz, 12.5 KHz Channel Spacing

Transmit Radiated Spurious Emissions: APX7500 (F2 Mode)
Tx Power: 36 Watts

764.0875 MHz **Channel Spacing 12.5 KHz | S/N TU098J040W**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1528.1750	-20	-60.95	-59.60
2292.2625	-20	-63.42	-61.34
3056.3500	-20	-56.27	-40.85
3820.4375	-20	-55.86	-48.85
4584.5250	-20	*	*
5348.6125	-20	*	*
6112.7000	-20	*	*
6876.7875	-20	*	*
7640.8750	-20	*	*

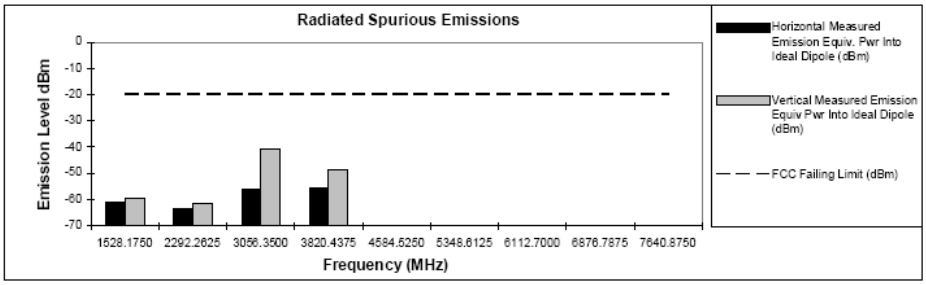


Figure 6H-23: 36 Watts, 764.0875MHz, 12.5 KHz Channel Spacing

Transmit Radiated Spurious Emissions: APX7500 (F2 Mode)
Tx Power: 2 Watts

805.9875 MHz **Channel Spacing 12.5 KHz | S/N TU098J040W**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1611.9750	-20	-61.42	-61.13
2417.9625	-20	*	*
3223.9500	-20	-60.01	-52.01
4029.9375	-20	*	*
4835.9250	-20	*	*
5641.9125	-20	*	*
6447.9000	-20	*	*
7253.8875	-20	*	*
8059.8750	-20	*	*

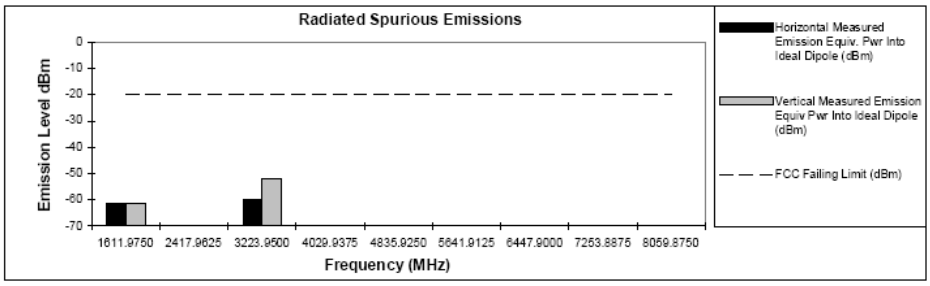


Figure 6H-24: 2 Watts, 805.9875MHz, 12.5 KHz Channel Spacing

Transmit Radiated Spurious Emissions: APX7500 (F2 Mode)
Tx Power: 42 Watts
823.9875 MHz **Channel Spacing: 12.5 KHz | S/N TU098J040W**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1647.9750	-20	-63.70	-61.42
2471.9625	-20	*	-43.41
3295.9500	-20	-60.66	-51.43
4119.9375	-20	-52.53	-45.85
4943.9250	-20	-46.41	-42.70
5767.9125	-20	*	*
6591.9000	-20	-48.70	*
7415.8875	-20	-50.00	-44.14
8239.8750	-20	-45.02	*

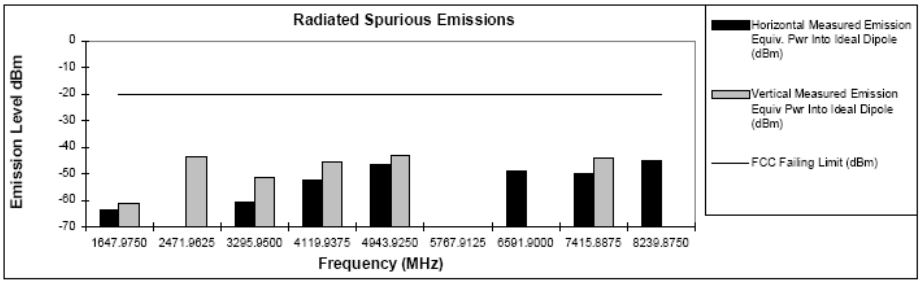


Figure 6H-25: 42 Watts, 823.9875MHz, 12.5 KHz Channel Spacing

Transmit Radiated Spurious Emissions: APX7500 (F2 Mode)
Tx Power: 42 Watts
868.8875 MHz **Channel Spacing: 12.5 KHz | S/N TU098J040W**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1737.7750	-20	-66.23	-59.52
2606.6625	-20	-60.31	-51.94
3475.5500	-20	*	*
4344.4375	-20	-50.02	-39.00
5213.3250	-20	*	*
6082.2125	-20	*	*
6951.1000	-20	*	*
7819.9875	-20	-44.46	*
8688.8750	-20	*	*

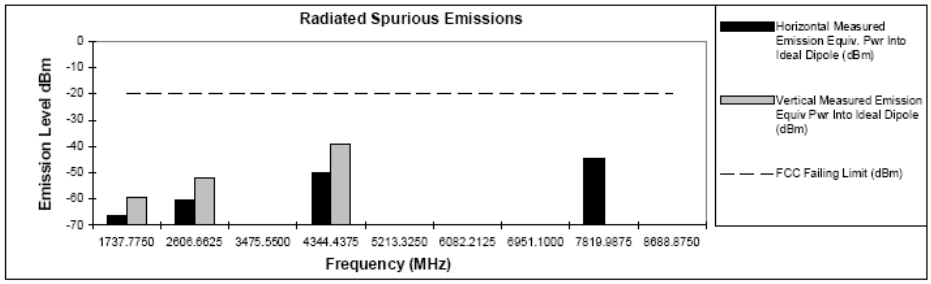


Figure 6H-26: 42 Watts, 868.8875MHz, 12.5 KHz Channel Spacing

EXHIBIT 6I

1559-1610MHz Emissions (GNSS) - Pursuant 47 CFR 90.543 (e)

GNSS Testing
ADD +2.15 dB for EIRP

Date: 7/7/2009
Product: APX7500 - 7/800 MHz Single Band **S/N** 1MWM380024
Notes: ANT: Quarter Wave (HAF4016A)

Tx Freq. 794.0875

Spur	Frequency MHz	Peak Radiated Spurious Emissions: Analog Mode (dBm)	Peak Radiated Spurious Emissions: APCO Mode (dBm)	Peak Radiated Spurious Emissions: F2 Mode (dBm)
2XFund	1588.1750	-58.54	-59.44	-56.84

Notes: ANT: Quarter Wave (HAF4016A

Tx Freq. 805.9125

Spur	Frequency MHz	Peak Radiated Spurious Emissions: Analog Mode (dBm)	Peak Radiated Spurious Emissions: APCO Mode (dBm)	Peak Radiated Spurious Emissions: F2 Mode (dBm)
2XFund	1611.8250	-59.84	-59.44	-58.14

Note 1: The reported emissions are wideband (>700Hz) spurs.

GNSS Testing
ADD +2.15 dB for EIRP

Date: 7/7/2009
Product: APX7500 - 7/800 MHz Single Band **S/N** 1MWM380024
Notes: ANT: Elevated 3 dB (HAF4014A)

Tx Freq. 794.0875

Spur	Frequency MHz	Peak Radiated Spurious Emissions: Analog Mode (dBm)	Peak Radiated Spurious Emissions: APCO Mode (dBm)	Peak Radiated Spurious Emissions: F2 Mode (dBm)
2XFund	1588.1750	-68.29	-67.89	-66.59

Notes: ANT: Elevated 3 dB (HAF4014A)

Tx Freq. 805.9125

Spur	Frequency MHz	Peak Radiated Spurious Emissions: Analog Mode (dBm)	Peak Radiated Spurious Emissions: APCO Mode (dBm)	Peak Radiated Spurious Emissions: F2 Mode (dBm)
2XFund	1611.8250	-67.34	-66.94	-65.64

GNSS Testing
ADD +2.15 dB for EIRP

Date: 7/7/2009
Product: APX7500 - 7/800 MHz Single Band **S/N** 1MWM380024
Notes: ANT: 3 dB Low Profile (HAF4013A)

Tx Freq. 794.0875

Spur	Frequency MHz	Peak Radiated Spurious Emissions: Analog Mode (dBm)	Peak Radiated Spurious Emissions: APCO Mode (dBm)	Peak Radiated Spurious Emissions: F2 Mode (dBm)
2XFund	1588.1750	-54.94	-54.54	-53.24

Notes: ANT: 3 dB Low Profile (HAF4013A)

Tx Freq. 805.9125

Spur	Frequency MHz	Peak Radiated Spurious Emissions: Analog Mode (dBm)	Peak Radiated Spurious Emissions: APCO Mode (dBm)	Peak Radiated Spurious Emissions: F2 Mode (dBm)
2XFund	1611.8250	-56.59	-56.19	-54.89

Note 1: The reported emissions are wideband (>700Hz) spurs.

GNSS Testing
ADD +2.15 dB for EIRP

Date: 7/7/2009
Product: APX7500 - 7/800 MHz Single Band **S/N** 1MWM380024
Notes: ANT: 3 dB Collinear (HAF4015A)

Tx Freq. 794.0875

Spur	Frequency MHz	Peak Radiated Spurious Emissions: Analog Mode (dBm)	Peak Radiated Spurious Emissions: APCO Mode (dBm)	Peak Radiated Spurious Emissions: F2 Mode (dBm)
2XFund	1588.1750	-56.54	-56.14	-54.84

Notes: ANT: 3 dB Collinear (HAF4015A)

Tx Freq. 805.9125

Spur	Frequency MHz	Peak Radiated Spurious Emissions: Analog Mode (dBm)	Peak Radiated Spurious Emissions: APCO Mode (dBm)	Peak Radiated Spurious Emissions: F2 Mode (dBm)
2XFund	1611.8250	-58.34	-57.94	-56.64

GNSS Testing
ADD +2.15 dB for EIRP

Date: 7/7/2009
Product: APX7500 - 7/800 MHz Single Band **S/N** 1MWM380024
Notes: ANT: 3 dB Low-Profile (HAF4018A)

Tx Freq. 794.0875

Spur	Frequency MHz	Peak Radiated Spurious Emissions: Analog Mode (dBm)	Peak Radiated Spurious Emissions: APCO Mode (dBm)	Peak Radiated Spurious Emissions: F2 Mode (dBm)
2XFund	1588.1750	-57.44	-57.04	-55.74

Notes: ANT: 3 dB Low-Profile (HAF4018A)

Tx Freq. 805.9125

Spur	Frequency MHz	Peak Radiated Spurious Emissions: Analog Mode (dBm)	Peak Radiated Spurious Emissions: APCO Mode (dBm)	Peak Radiated Spurious Emissions: F2 Mode (dBm)
2XFund	1611.8250	-59.24	-58.84	-57.54

Note 1:The reported emissions are wideband (>700Hz) spurs.

Frequency Stability - Pursuant 47 CFR 90.213, 90.539, 2.1055 and 2.1033(c)(13)

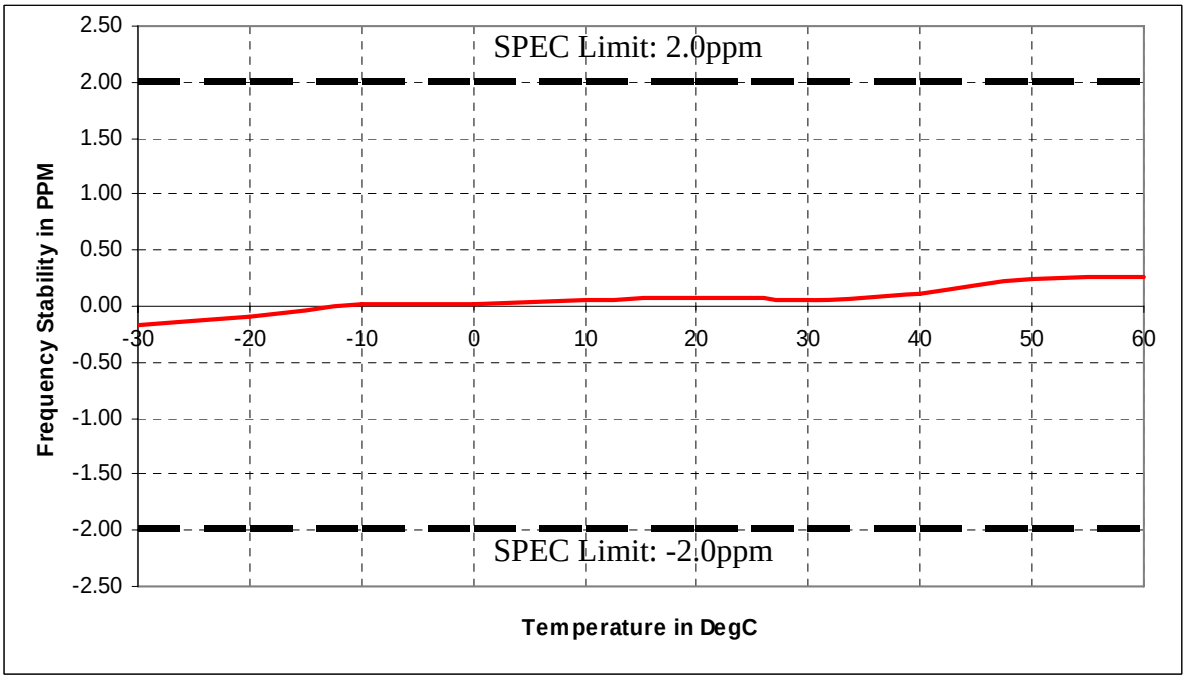


Figure 6J-1: Frequency Stability vs. Temperature, 425.0125MHz, -30°C to 60°C

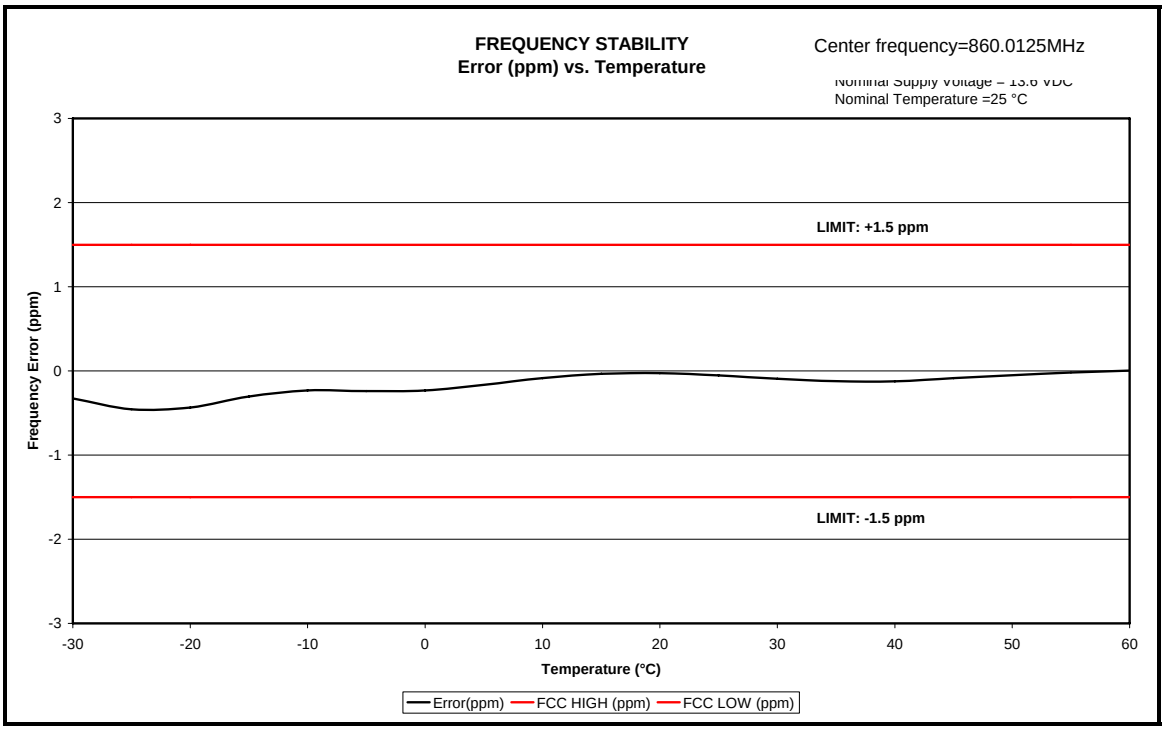


Figure 6J-2: Frequency Stability vs. Temperature, 860.0125MHz, -30°C to 60°C

EXHIBIT 6J-1

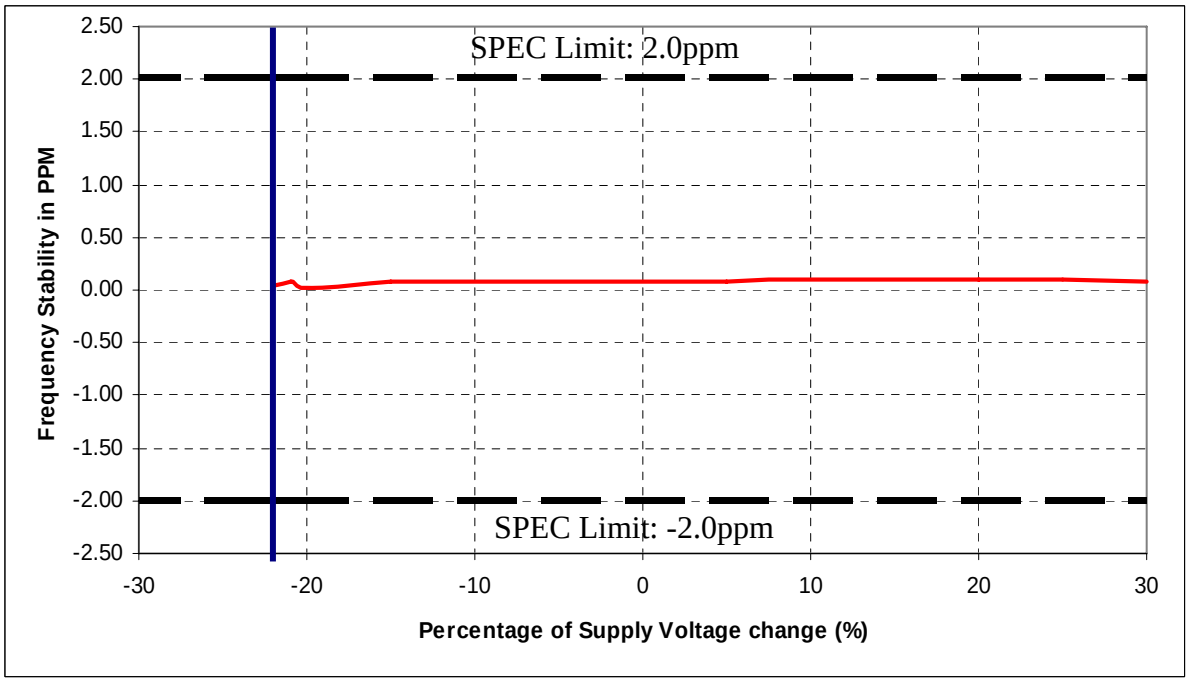


Figure 6J-3: Frequency Stability vs. Supply Voltage Change, 425.0125MHz

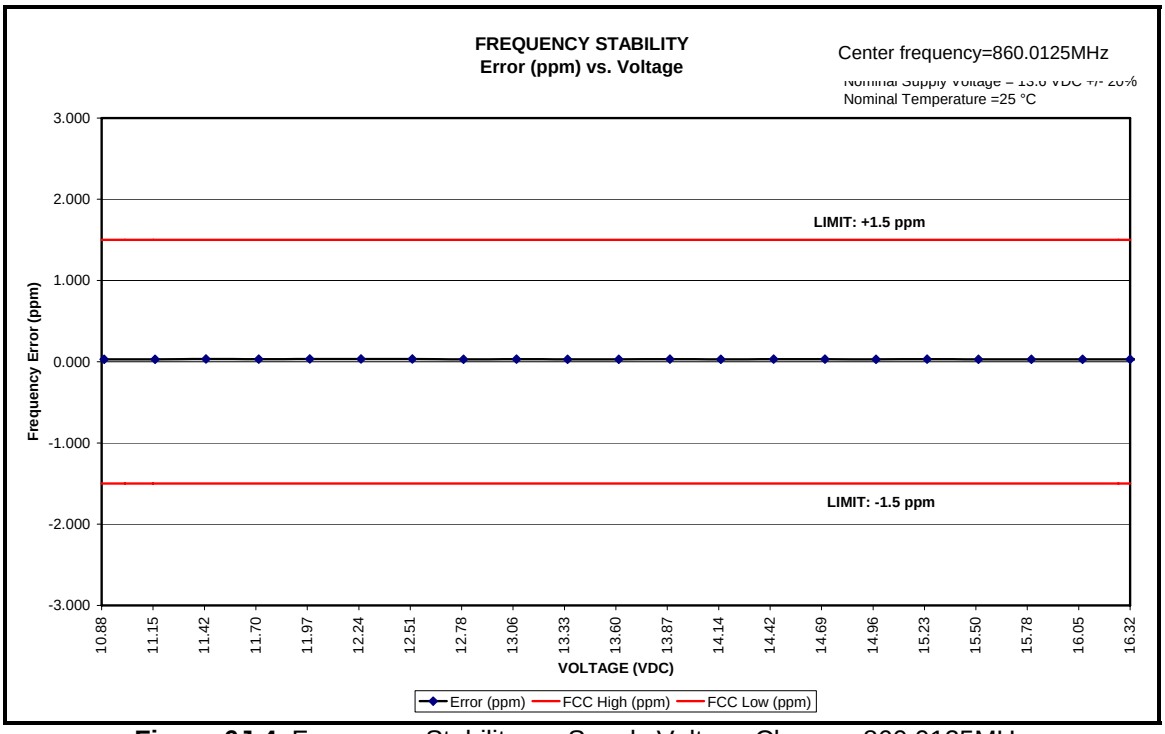


Figure 6J-4: Frequency Stability vs. Supply Voltage Change, 860.0125MHz

EXHIBIT 6J-2

EXHIBIT 6K
Transient Frequency Behavior - Pursuant 47 CFR 90.214

Analog Mode

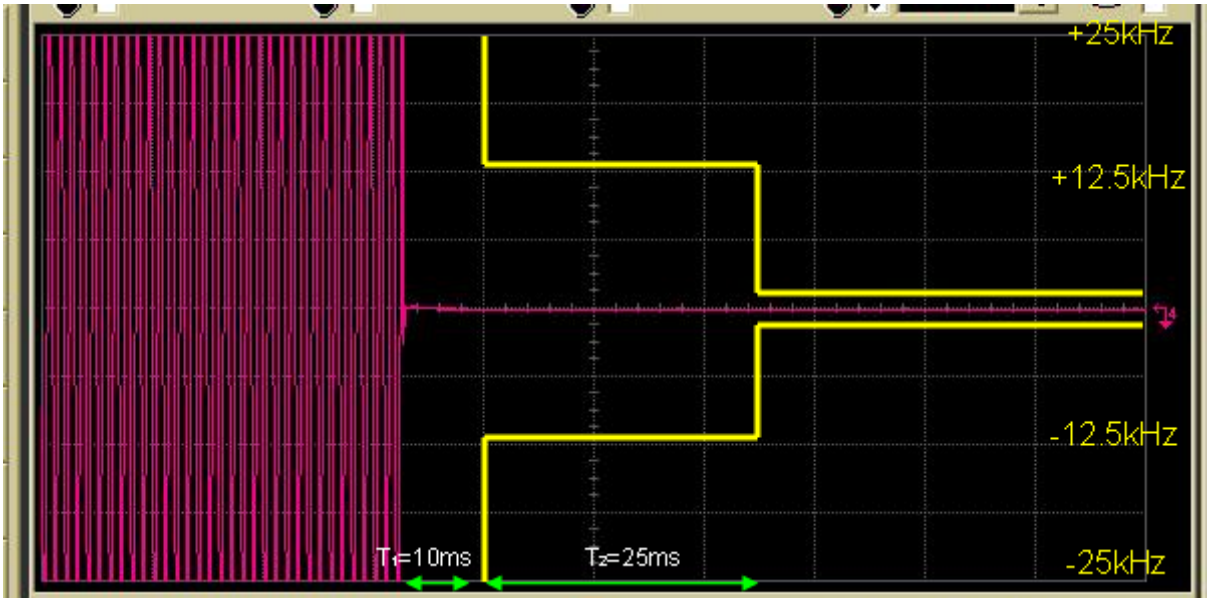


Figure 6K-1: Transient Frequency Behavior. 425.0125 MHz, 25 kHz Channel Spacing, Key-up Transient

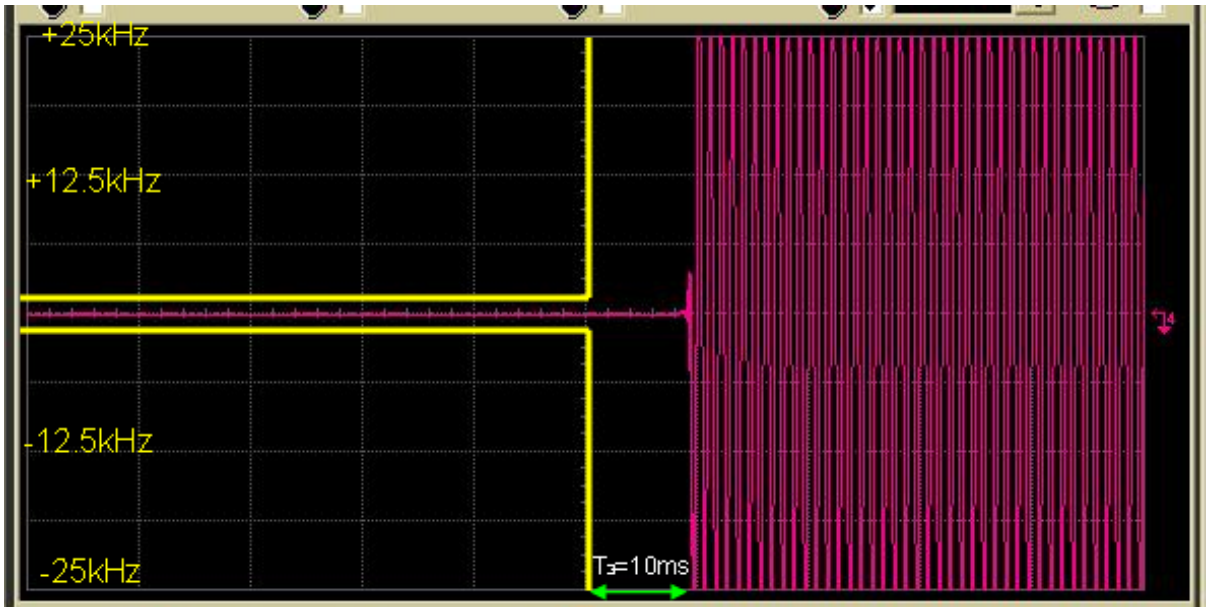


Figure 6K-2: Transient Frequency Behavior. 425.0125 MHz, 25 kHz Channel Spacing, De-Key Transient

DIGITAL MODE

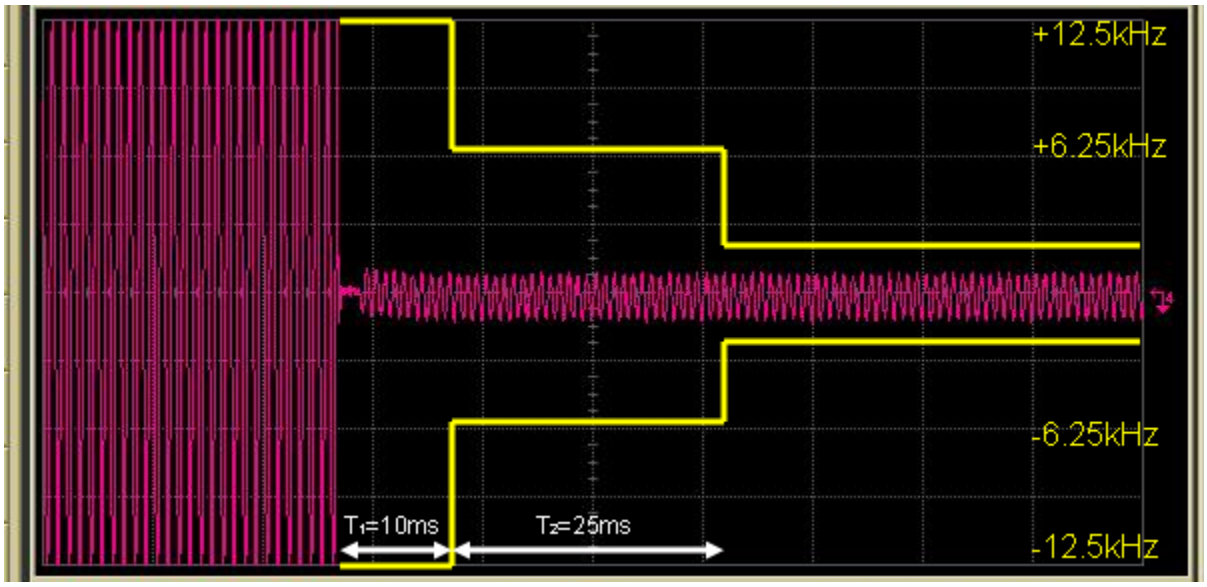


Figure 6K-3: Transient Frequency Behavior. 425.0125 MHz, 12.5 kHz Channel Spacing, Key-up Transient

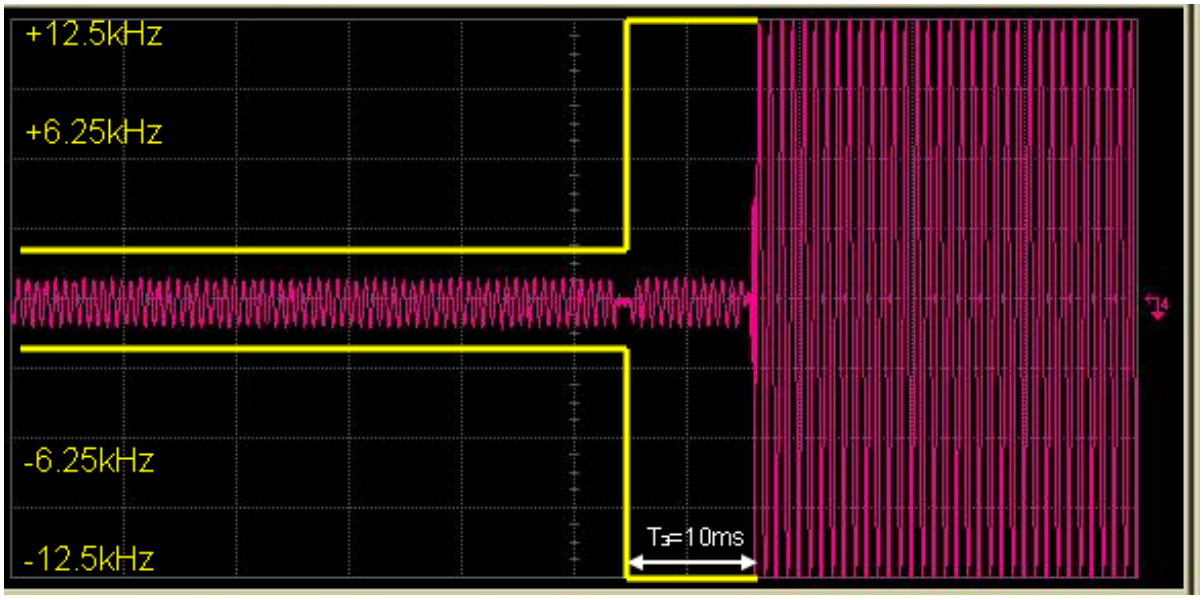


Figure 6K-4: Transient Frequency Behavior. 425.0125 MHz, 12.5 kHz Channel Spacing, De-Key Transient