

EXHIBIT 6

INDEX OF SUBMITTED MEASURED DATA

This exhibit contains the measured data for this equipment as follows:

EXHIBIT 6A – RF Power Output

EXHIBIT 6B – Audio Frequency Response

- 6B-1 –775.9875 MHz, 12.5 kHz Channel Spacing
- 6B-2 –851.0125 MHz, 12.5 kHz Channel Spacing
- 6B-3 –775.9875 MHz, 25 kHz Channel Spacing
- 6B-4 –851.0125 MHz, 25 kHz Channel Spacing

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- 6C-1 –775.9875 MHz, 12.5 kHz Channel Spacing
- 6C-2 –851.0125 MHz, 12.5 kHz Channel Spacing
- 6C-3 –775.9875 MHz, 25 kHz Channel Spacing
- 6C-4 –851.0125 MHz, 25 kHz Channel Spacing

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- 6D-1 –775.9875 MHz, 12.5 kHz Channel Spacing
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- 6E-2 –851.0125 MHz, 12.5 kHz Channel Spacing (Analog Voice)
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- 6E-5 –775.9875 MHz, 12.5 kHz Channel Spacing (Digital Data)
- 6E-6 –851.0125 MHz, 12.5 kHz Channel Spacing (Digital Data)
- 6E-7 –775.9875 MHz, 12.5 kHz Channel Spacing (Digital Voice)
- 6E-8 –851.0125 MHz, 12.5 kHz Channel Spacing (Digital Voice)
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- 6E-10 –851.0125 MHz, 12.5 kHz Channel Spacing (Digital TDMA)
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EXHIBIT 6F – Adjacent Channel Coupled Power Ratio

- 6F-1 - 794.0125 MHz, Analog 12.5 kHz Channel Spacing
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- 6F-3 - 794.0125 MHz, APCO 12.5 kHz Channel Spacing, Digital Data
- 6F-4 - 794.0125 MHz, APCO 12.5 kHz Channel Spacing, Digital Voice
- 6F-5 - 794.0125 MHz, APCO 12.5 kHz Channel Spacing, Digital TDMA

EXHIBIT 6G – Radiated Spurious Emissions

- 6G-1 - High Power 764.1025 MHz & 775.9875MHz, 12.5 kHz Channel Spacing
- 6G-2 - High Power 794.0125 MHz, 12.5 kHz Channel Spacing
- 6G-3 - High Power 823.9875 MHz & 851.0125MHz, 12.5 kHz Channel Spacing
- 6G-4 - High Power 869.8875 MHz, 12.5 kHz Channel Spacing
- 6G-5 - High Power 764.1025 MHz & 775.9875MHz, 25 kHz Channel Spacing
- 6G-6 - High Power 794.0125 MHz, 25 kHz Channel Spacing
- 6G-7 - High Power 823.9875 MHz & 851.0125MHz, 25 kHz Channel Spacing
- 6G-8 - High Power 869.8875 MHz, 25 kHz Channel Spacing

EXHIBIT 6H – 1559-1605MHz Radiated Emissions (GNSS)

EXHIBIT 6I – Conducted Spurious Emissions

- 6I-1 - High Power 764.1025 MHz, 1 2.5 kHz Channel Spacing
- 6I-2 - High Power 775.9875 MHz, 1 2.5 kHz Channel Spacing
- 6I-3 - High Power 794.0125 MHz, 12.5 kHz Channel Spacing
- 6I-4 - High Power 823.9875 MHz, 12.5 kHz Channel Spacing
- 6I-5 - High Power 851.0125 MHz, 12.5 kHz Channel Spacing
- 6I-6 - High Power 869.8875 MHz, 12.5 kHz Channel Spacing
- 6I-7 - High Power 764.1025 MHz, 25 kHz Channel Spacing
- 6I-8 - High Power 775.9875 MHz, 25 kHz Channel Spacing
- 6I-9 - High Power 794.0125 MHz, 25 kHz Channel Spacing
- 6I-10 - High Power 823.9875 MHz, 25 kHz Channel Spacing
- 6I-11 - High Power 851.0125 MHz, 25 kHz Channel Spacing
- 6I-12 - High Power 869.8875 MHz, 25 kHz Channel Spacing

EXHIBIT 6J – Power Line Conducted Emissions

- 6J-1 – Line1
- 6J-2 – Line2

EXHIBIT 6K – Frequency Stability (Volt/Temp)

- 6K-1– 775.9875 MHz vs. Supply Voltage
- 6K-2 – 851.0125 MHz vs. Supply Voltage
- 6K-3 – 775.9875 MHz vs. Temperatures
- 6K-4 – 851.0125 MHz vs. Temperatures

Note: Data was tested to show compliance to RSS102, RSS119, and RSS210, as applicable.

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)****Frequency = 764.0125 MHz:**

Output RF power	1.0 Watts
DC Voltage	7.50 Volts
DC Current	1.24 Amps

Output RF power	2.0 Watts
DC Voltage	7.50 Volts
DC Current	1.52 Amps

Output RF power	2.99 Watts
DC Voltage	7.50 Volts
DC Current	1.75 Amps

Frequency = 775.9875 MHz:

Output RF power	1.0 Watts
DC Voltage	7.50 Volts
DC Current	1.23 Amps

Output RF power	2.0 Watts
DC Voltage	7.50 Volts
DC Current	1.51 Amps

Output RF power	2.99 Watts
DC Voltage	7.50 Volts
DC Current	1.74 Amps

Frequency= 794.0125 MHz:

Output RF power	1.0 Watts
DC Voltage	7.50 Volts
DC Current	1.22 Amps

Output RF power	2.0 Watts
DC Voltage	7.50 Volts
DC Current	1.49 Amps

Output RF power	2.99 Watts
DC Voltage	7.50 Volts
DC Current	1.73 Amps

Frequency = 809.0125 MHz:

Output RF power	1.0 Watts
DC Voltage	7.50 Volts
DC Current	1.16 Amps
Output RF power	2.0 Watts
DC Voltage	7.50 Volts
DC Current	1.49 Amps
Output RF power	3.60 Watts
DC Voltage	7.50 Volts
DC Current	1.85 Amps

Frequency = 851.0125 MHz:

Output RF power	1.0 Watts
DC Voltage	7.50 Volts
DC Current	1.13 Amps
Output RF power	2.0 Watts
DC Voltage	7.50 Volts
DC Current	1.41 Amps
Output RF power	3.60 Watts
DC Voltage	7.50 Volts
DC Current	1.73 Amps

Frequency= 869.8875 MHz:

Output RF power	1.0 Watts
DC Voltage	7.50 Volts
DC Current	1.08 Amps
Output RF power	2.0 Watts
DC Voltage	7.50 Volts
DC Current	1.31 Amps
Output RF power	3.60 Watts
DC Voltage	7.50 Volts
DC Current	1.66 Amps

EXHIBIT 6B

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

Audio Frequency Response (Freq: 775.9875MHz, ChSp: 12.5 kHz)

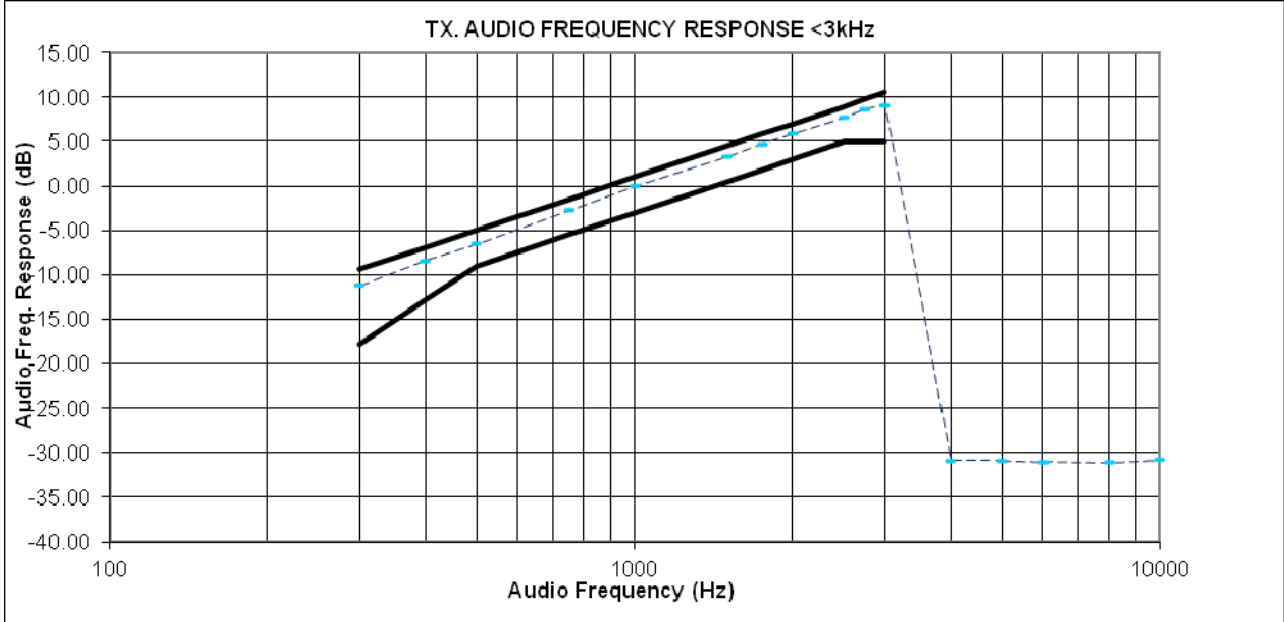


Exhibit 6B-1

Audio Frequency Response (Freq: 851.0125MHz, ChSp: 12.5 kHz)

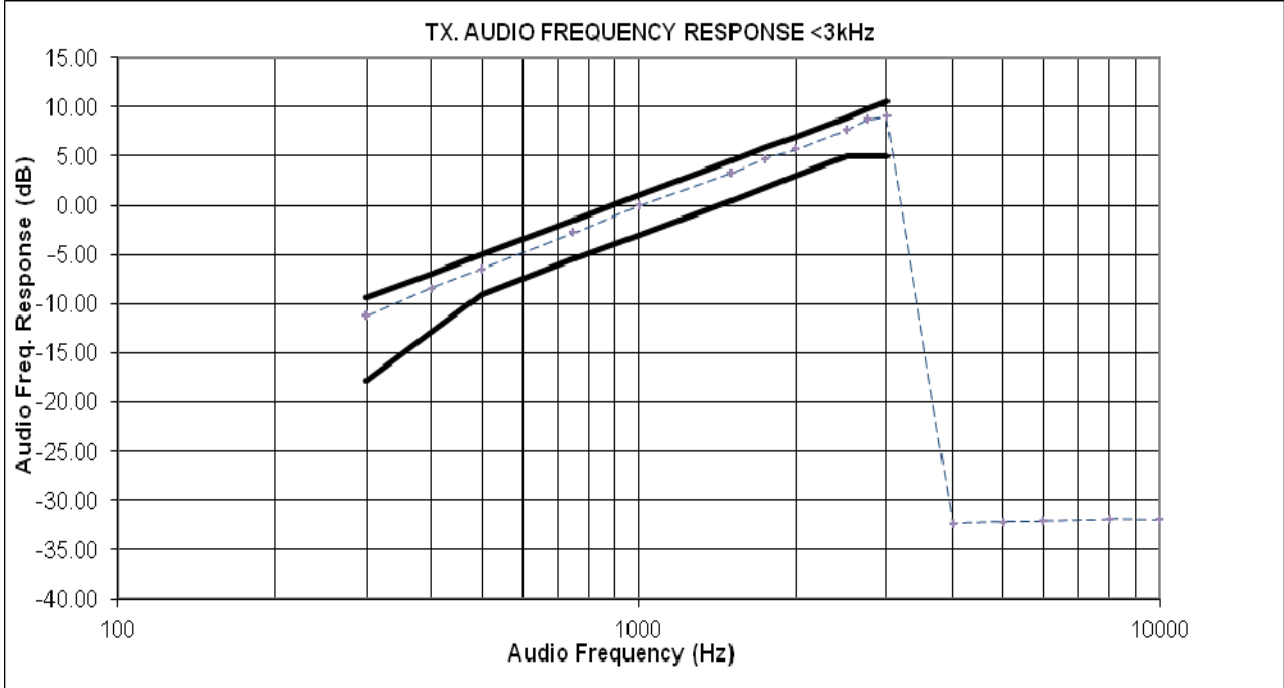


Exhibit 6B-2

Audio Frequency Response (Freq: 775.9875MHz , ChSp: 25kHz)

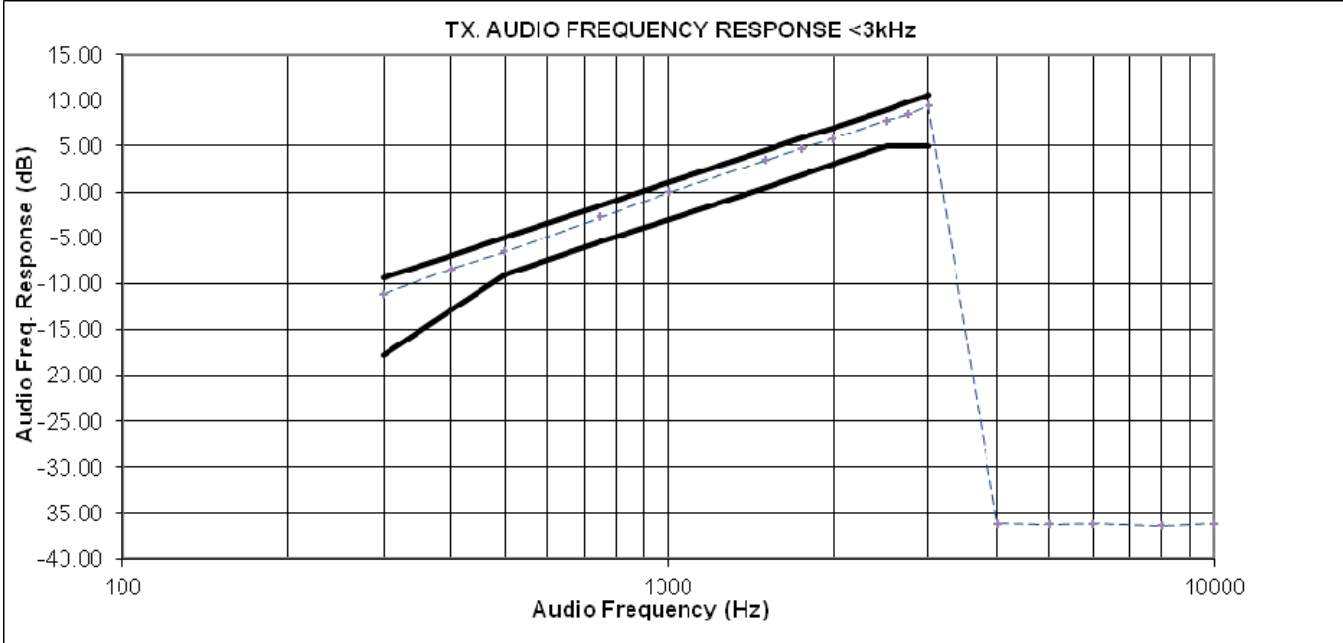


Exhibit 6B-3

Audio Frequency Response (Freq: 851.0125MHz , ChSp: 25kHz)

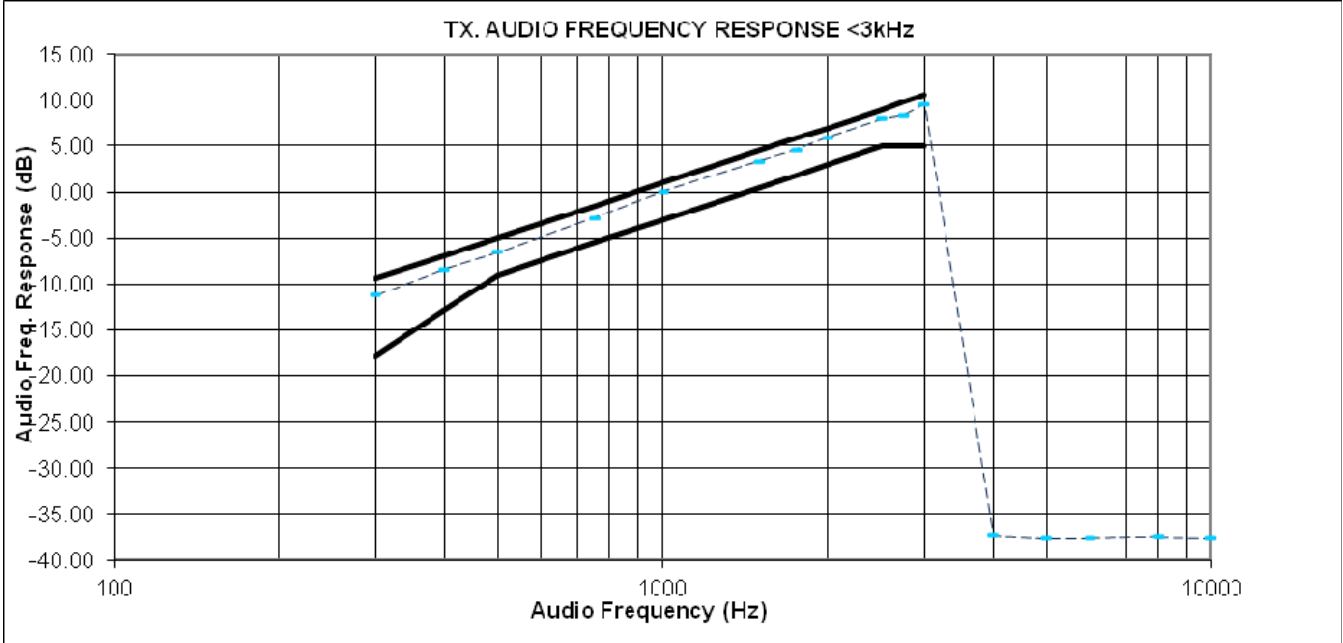


Exhibit 6B-4

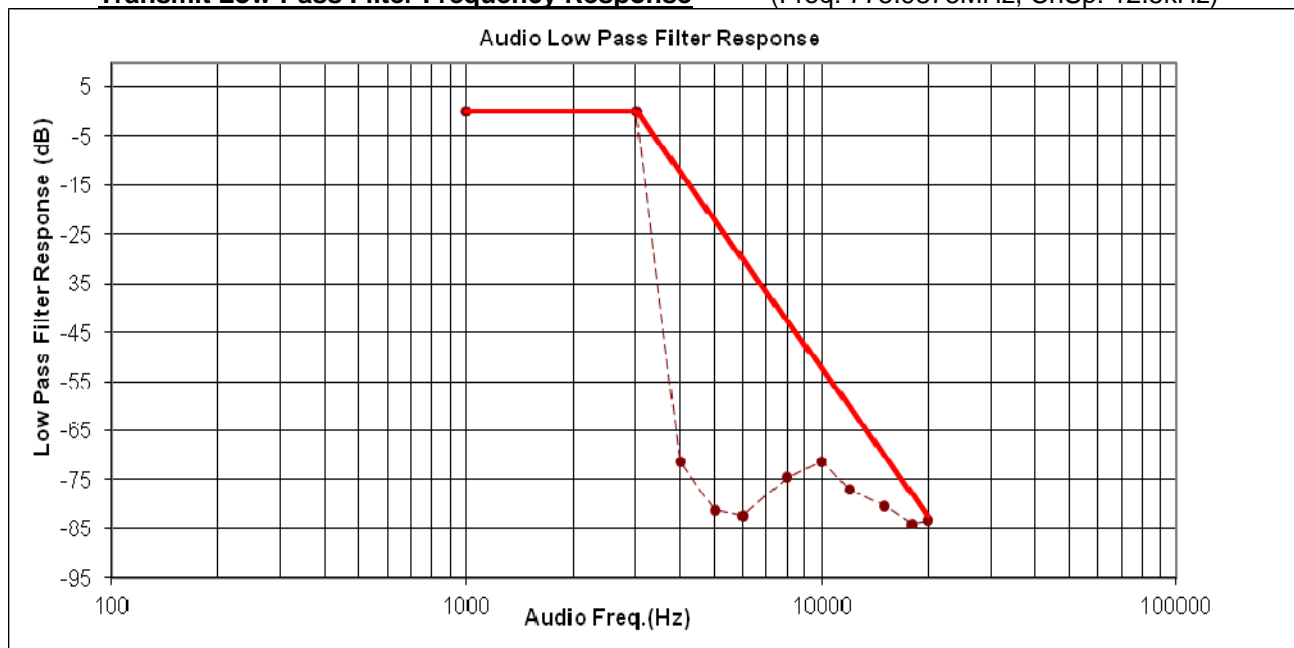
Transmit Low Pass Filter Frequency Response (Freq: 775.9875MHz, ChSp: 12.5kHz)

Exhibit 6C-1

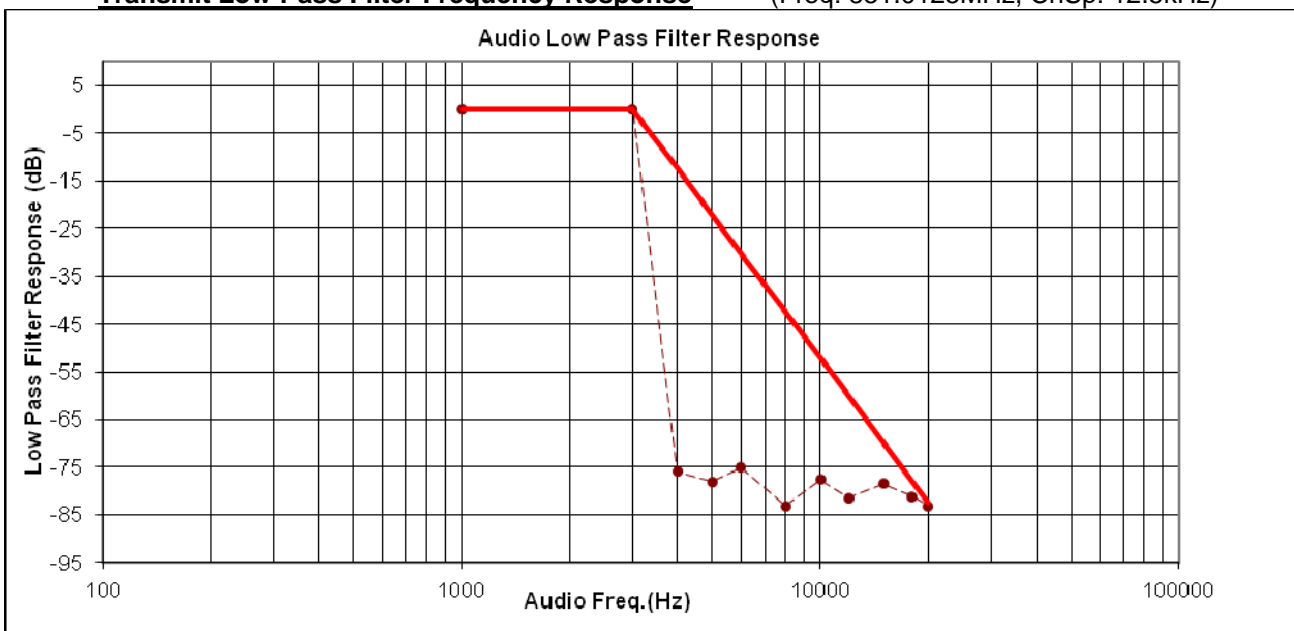
Transmit Low Pass Filter Frequency Response (Freq: 851.0125MHz, ChSp: 12.5kHz)

Exhibit 6C-2

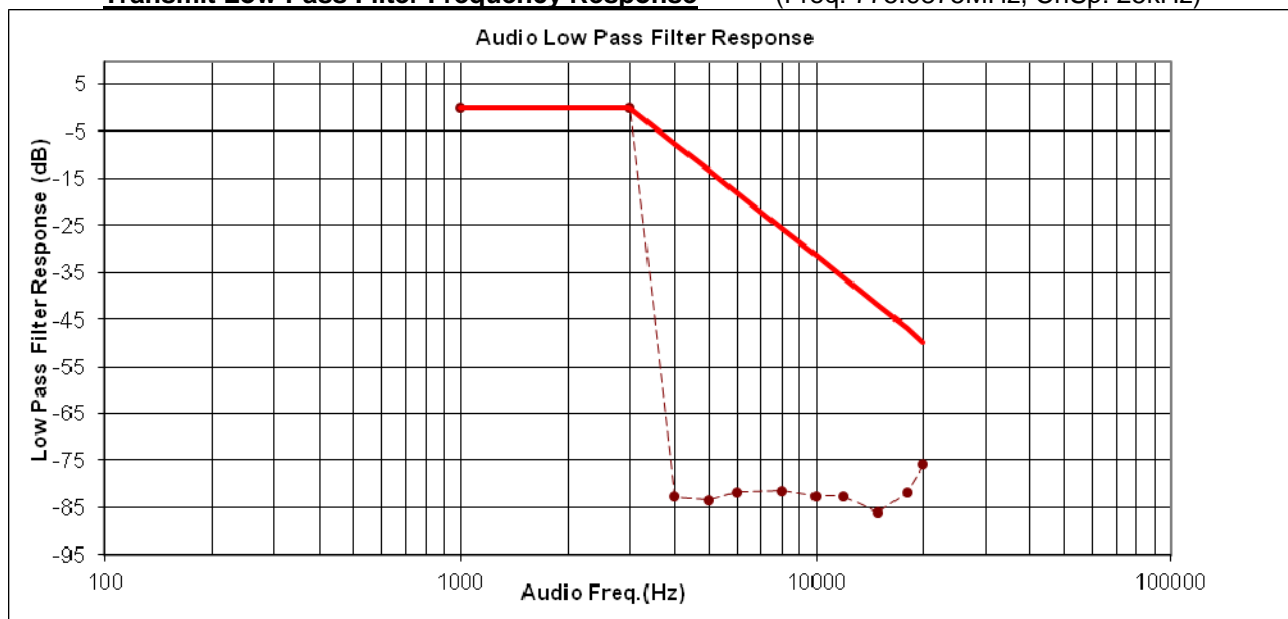
Transmit Low Pass Filter Frequency Response (Freq: 775.9875MHz, ChSp: 25kHz)

Exhibit 6C-3

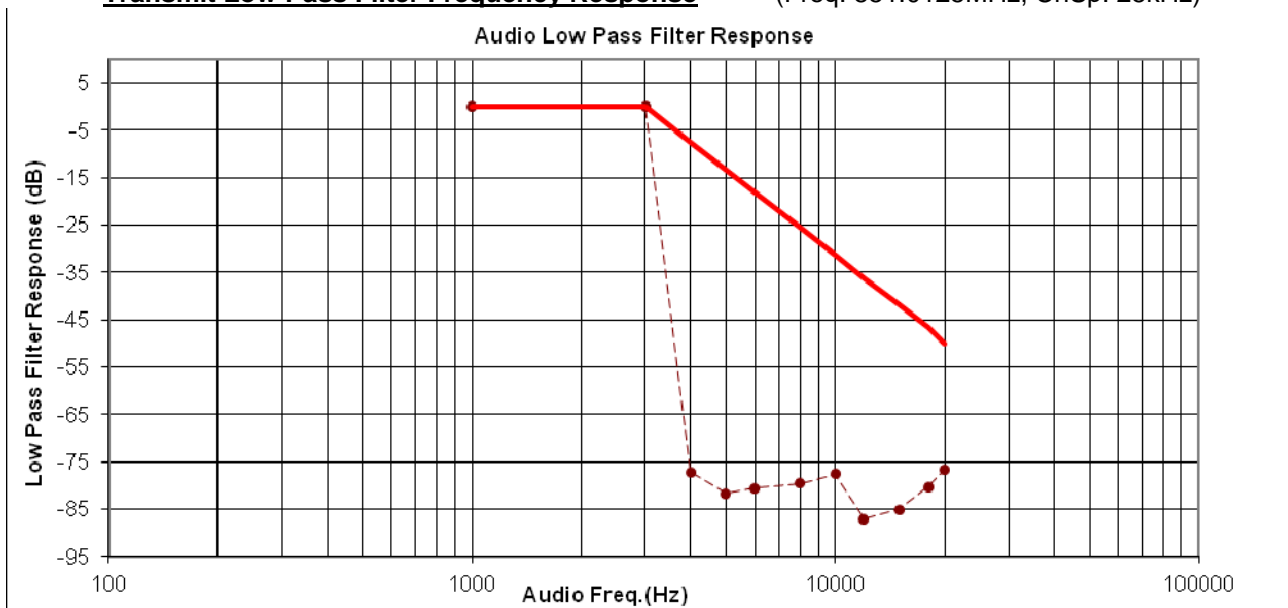
Transmit Low Pass Filter Frequency Response (Freq: 851.0125MHz, ChSp: 25kHz)

Exhibit 6C-4

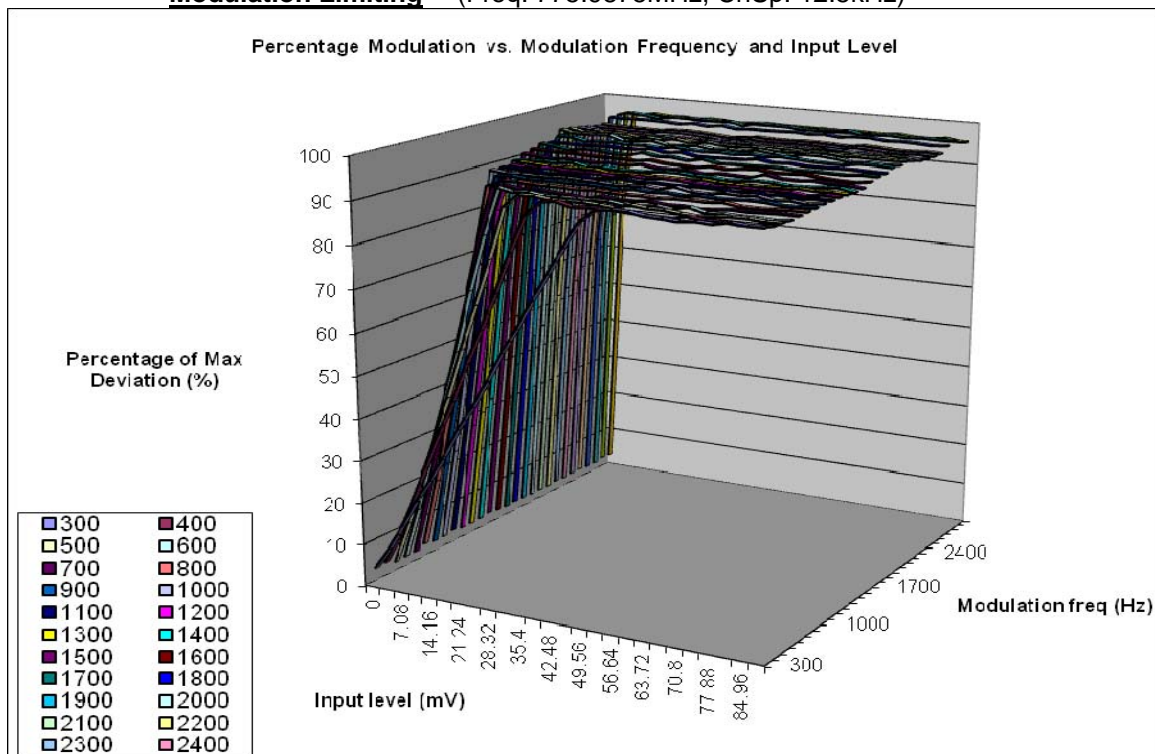
EXHIBIT 6D**Modulation Limiting** - Pursuant 47 CFR 2.1047 and 2.1033(c)(13)**Modulation Limiting** (Freq: 775.9875MHz, ChSp: 12.5kHz)

Exhibit 6D-1

Modulation Limiting (Freq: 851.0125MHz, ChSp: 12.5kHz)

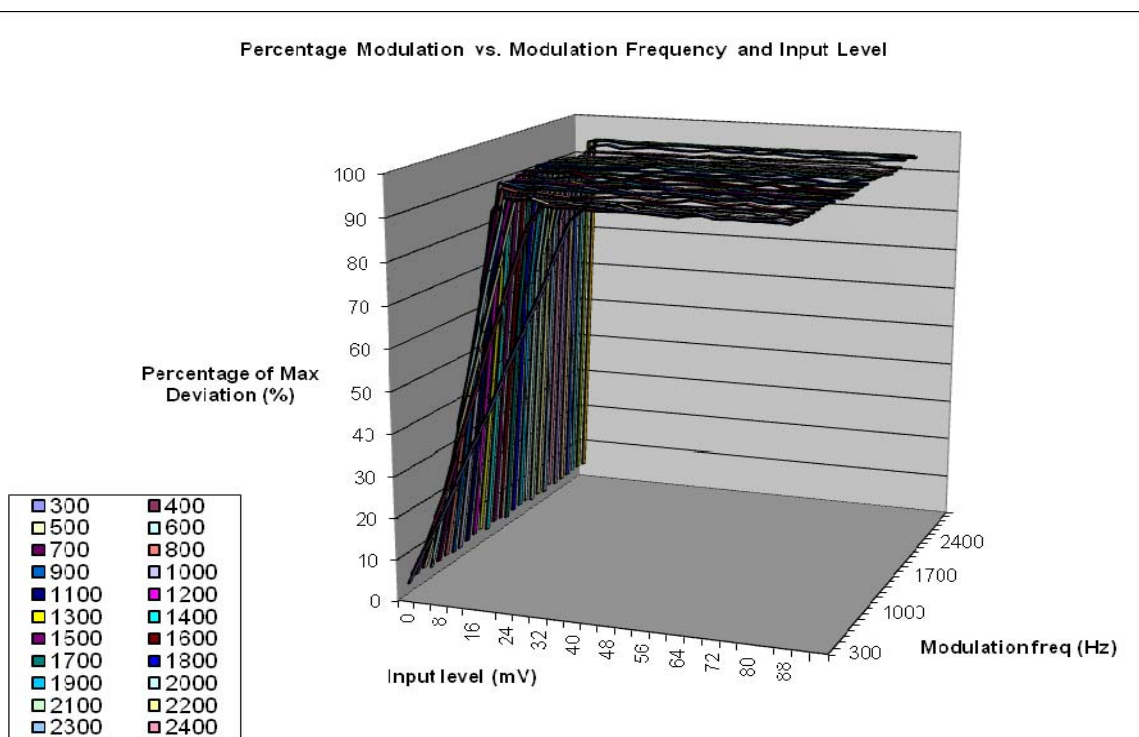


Exhibit 6D-2

Modulation Limiting (Freq: 775.9875MHz, ChSp: 25kHz)

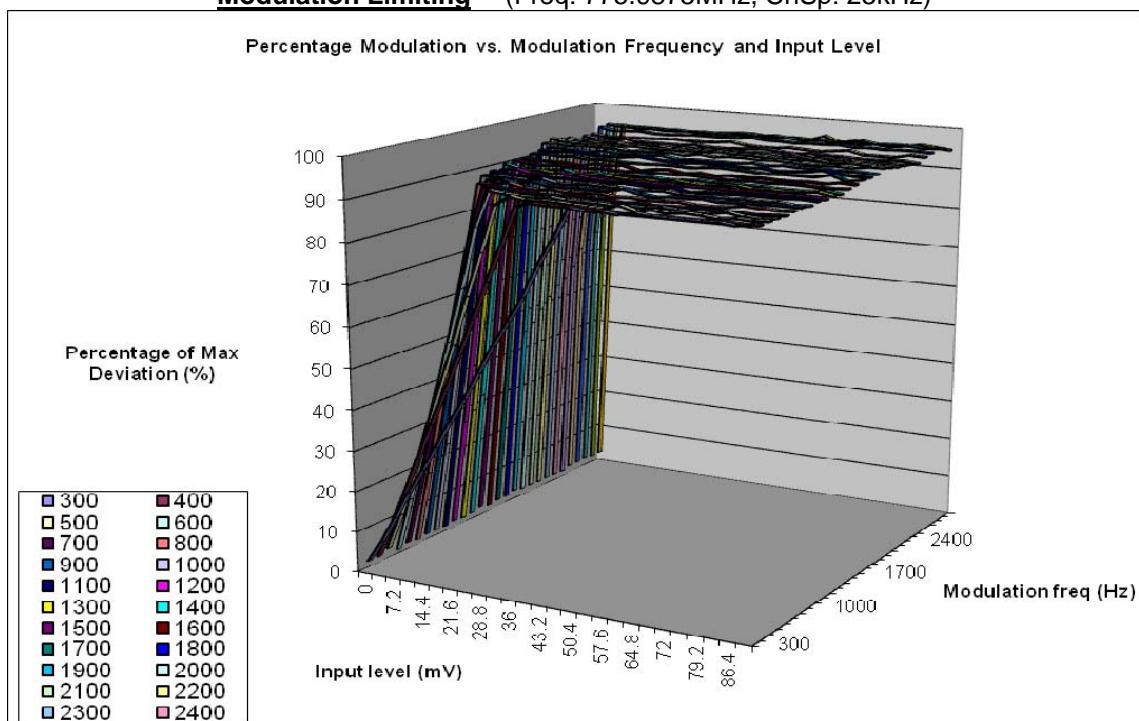


Exhibit 6D-3

Modulation Limiting (Freq: 851.0125MHz, ChSp: 25kHz)

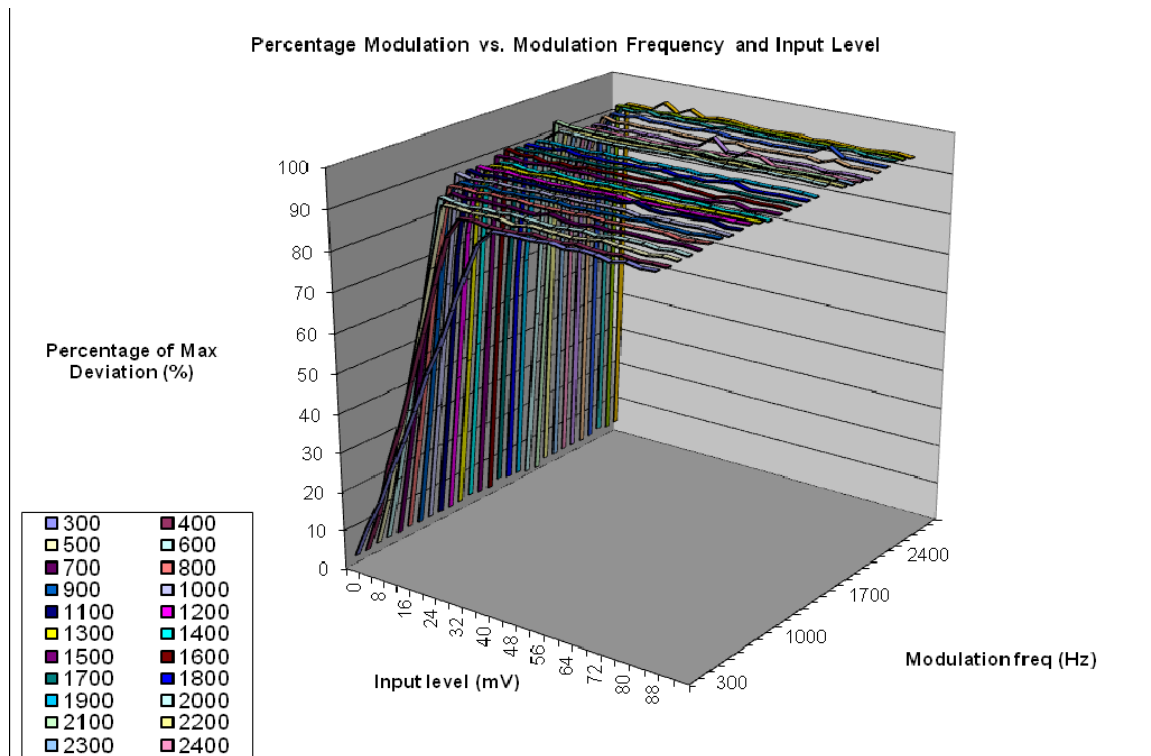


Exhibit 6D-4

BANDWIDTH CALCULATIONS:

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

Shown below are the calculations required for FCC ID: AZ489FT7050.

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.

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-4Digital (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-5Digital (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-6Digital 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

Occupied Bandwidth (Analog Voice: 11K0F3E)
Frequency = 775.9875 MHz Channel Spacing = 12.5 kHz

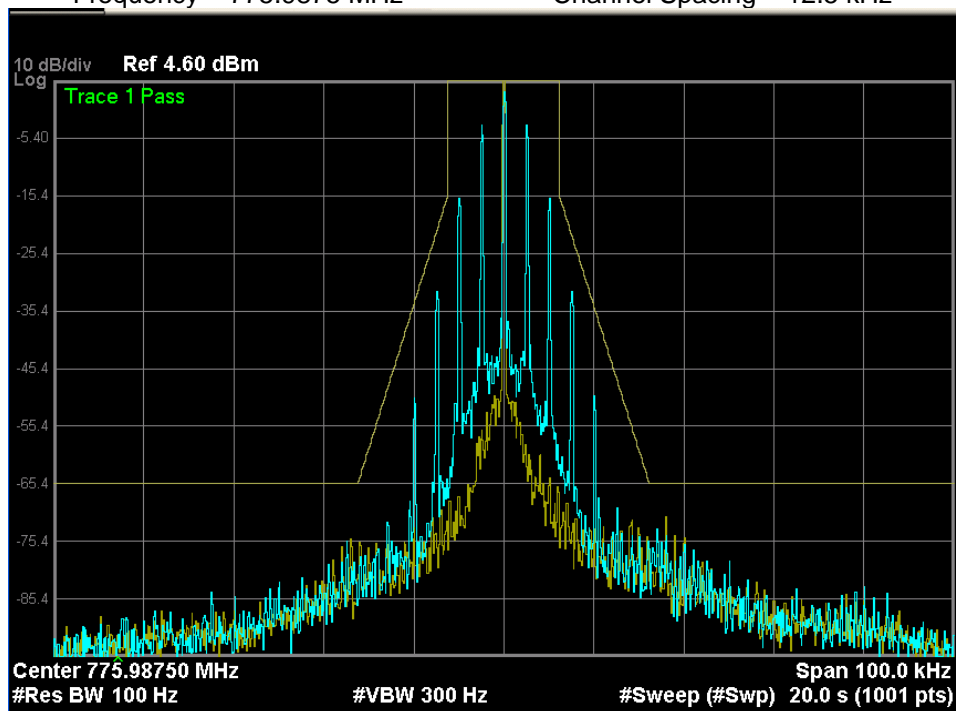


Exhibit 6E-1

Occupied Bandwidth (Analog Voice: 11K0F3E)
Frequency = 851.0125 MHz Channel Spacing = 12.5 kHz

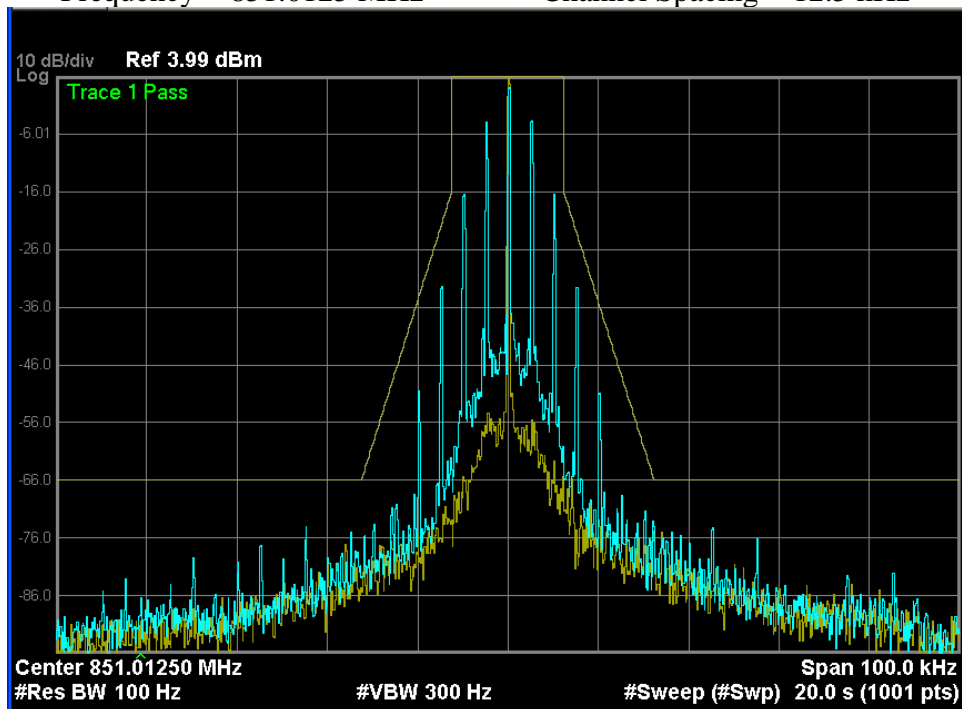


Exhibit 6E-2

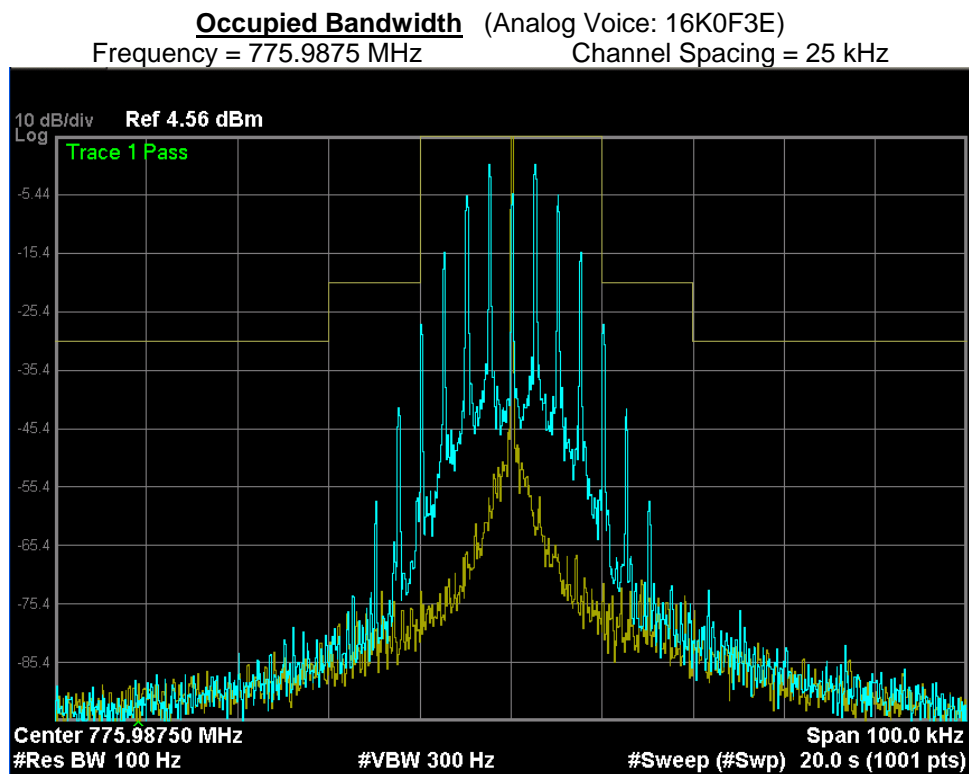


Exhibit 6E-3

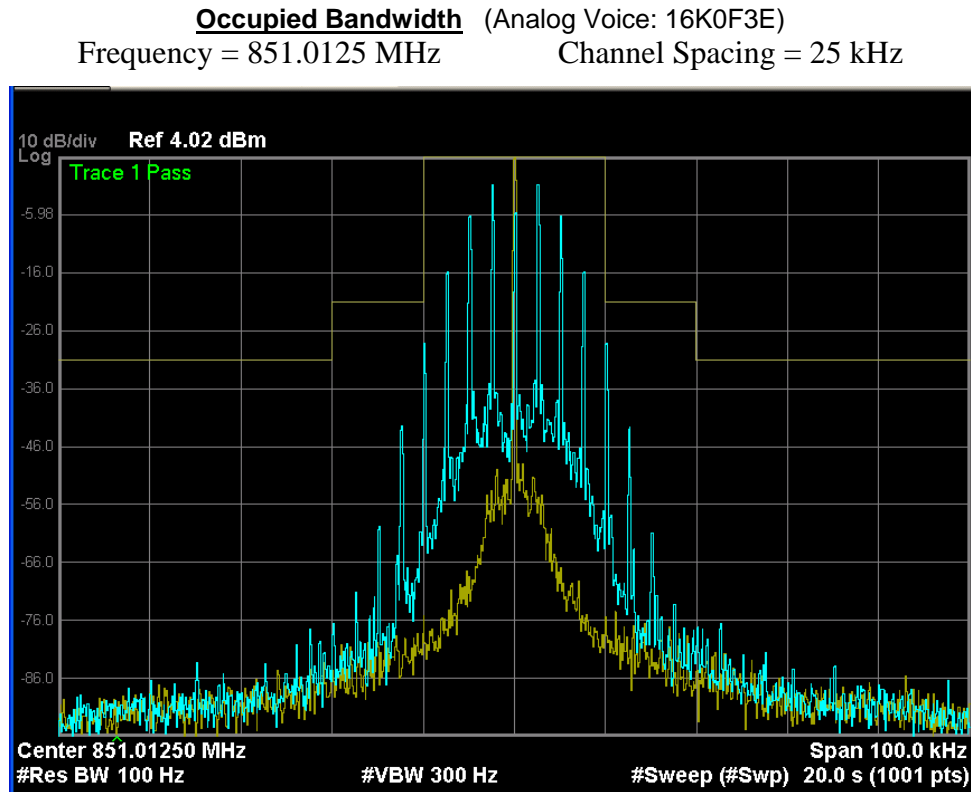


Exhibit 6E-4

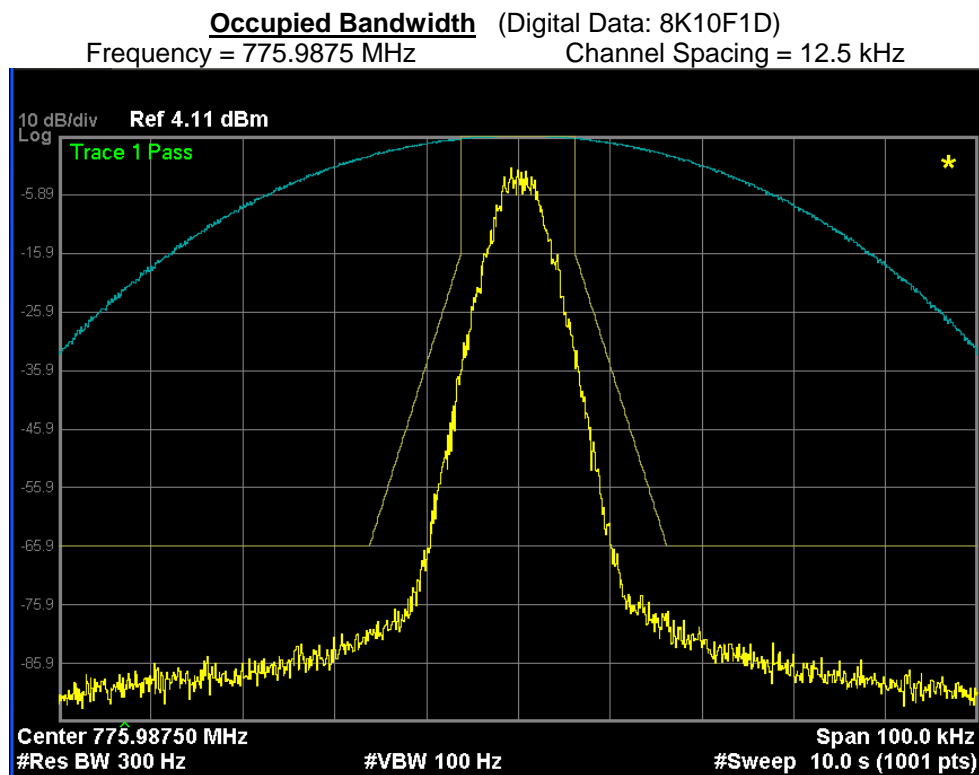


Exhibit 6E-5

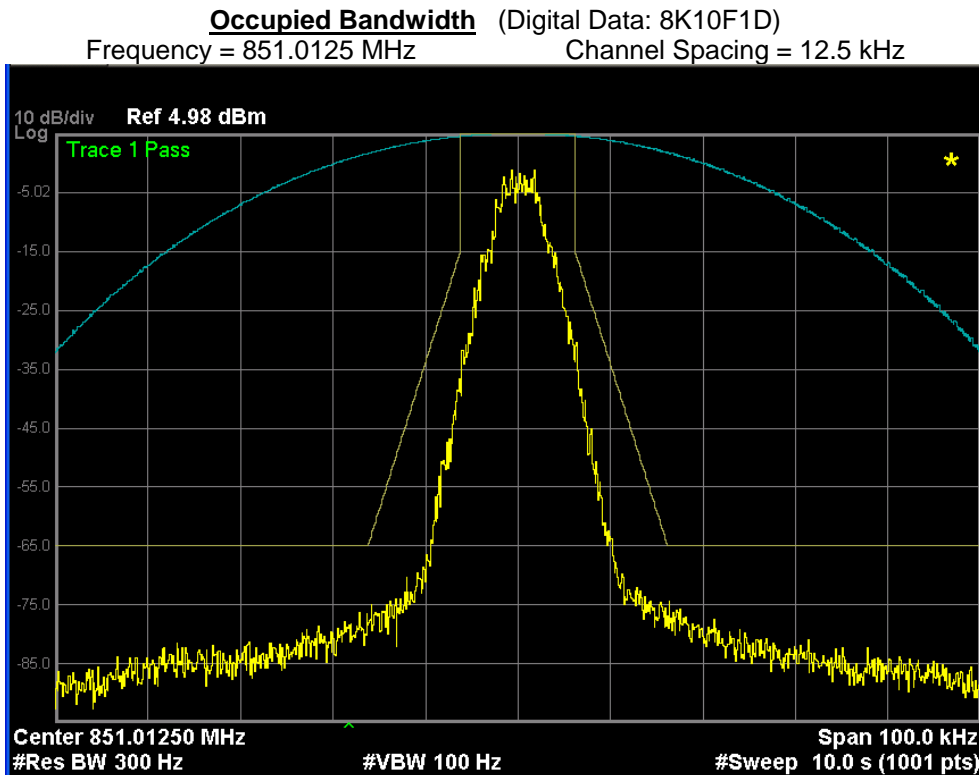


Exhibit 6E-6

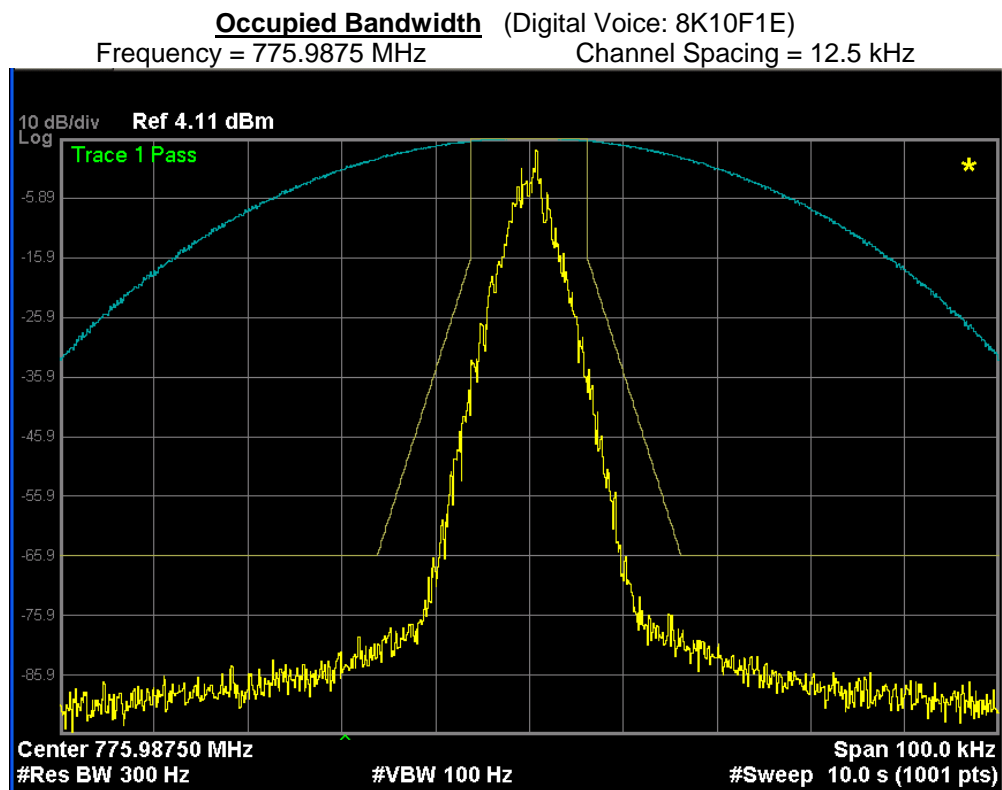


Exhibit 6E-7

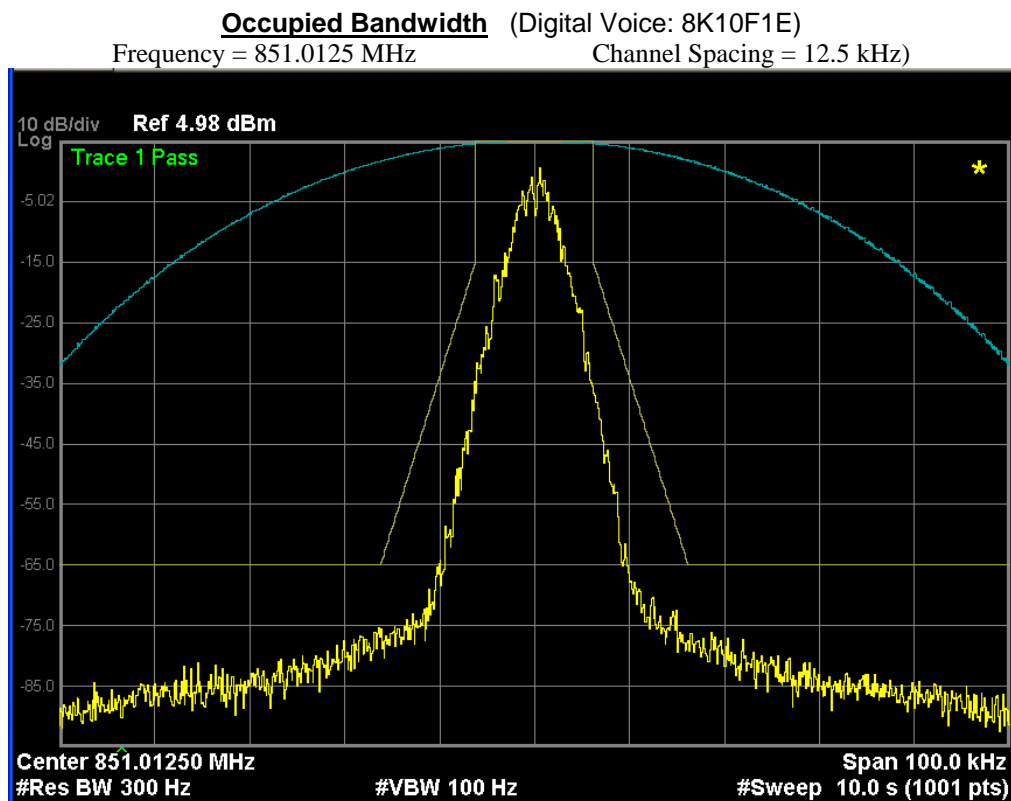


Exhibit 6E-8

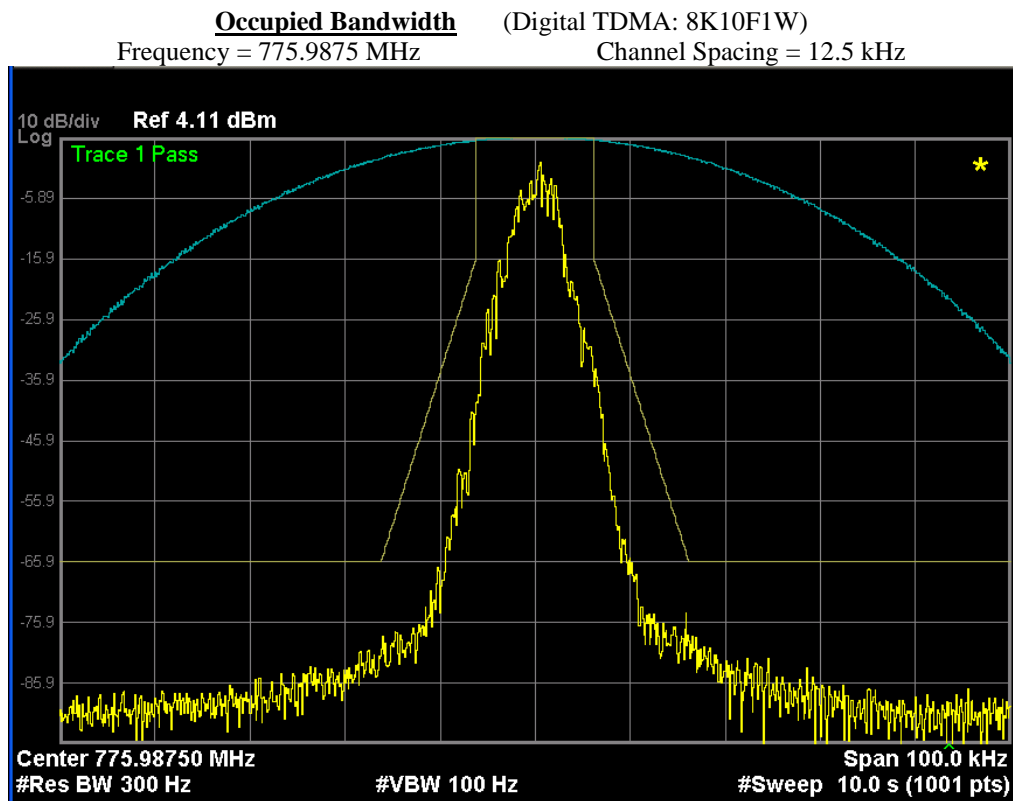


Exhibit 6E-9

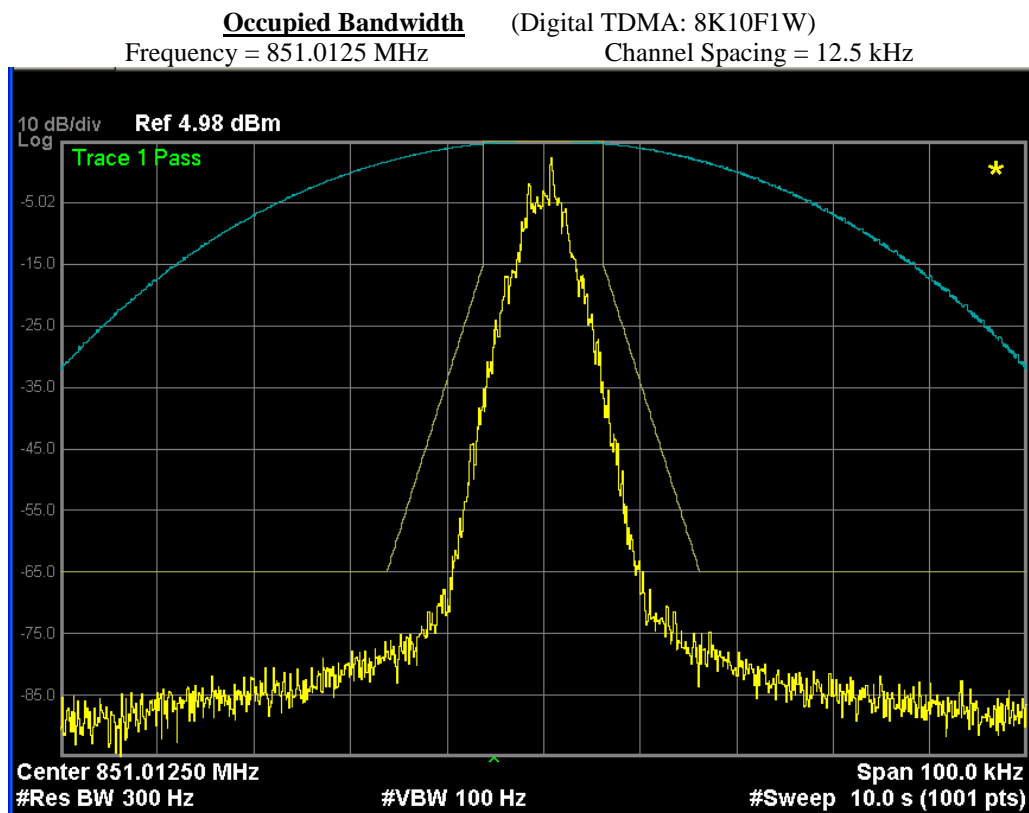


Exhibit 6E-10

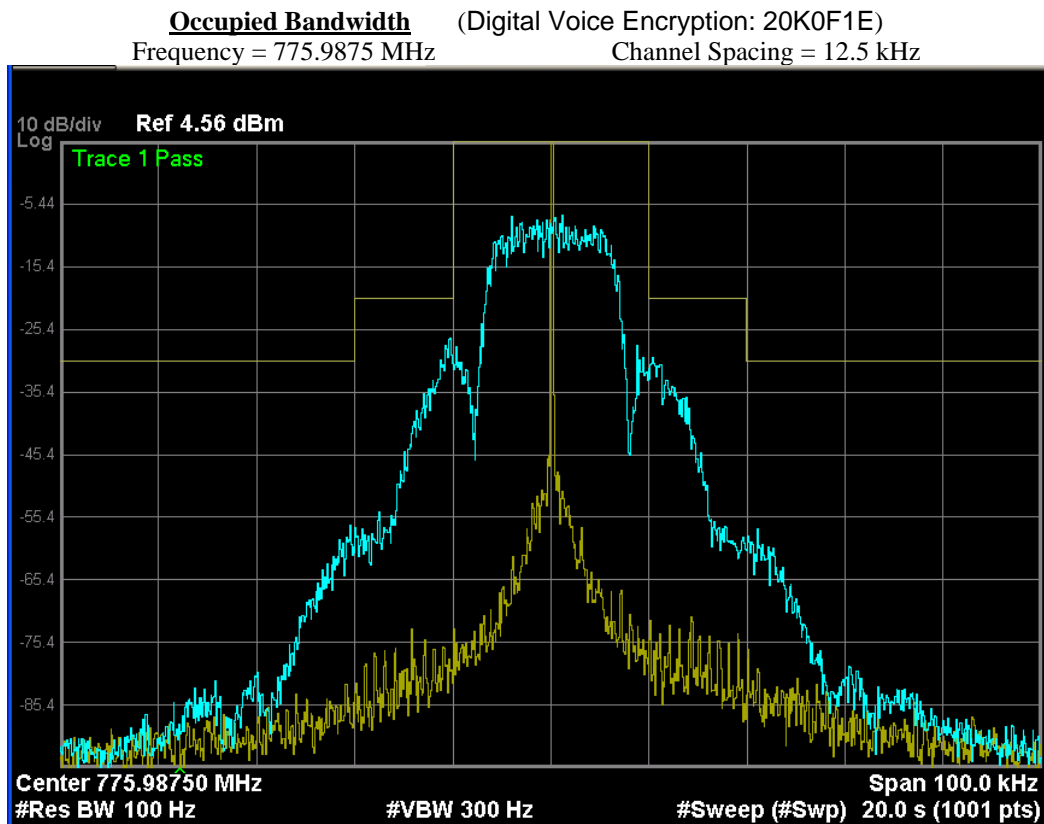


Exhibit 6E-11

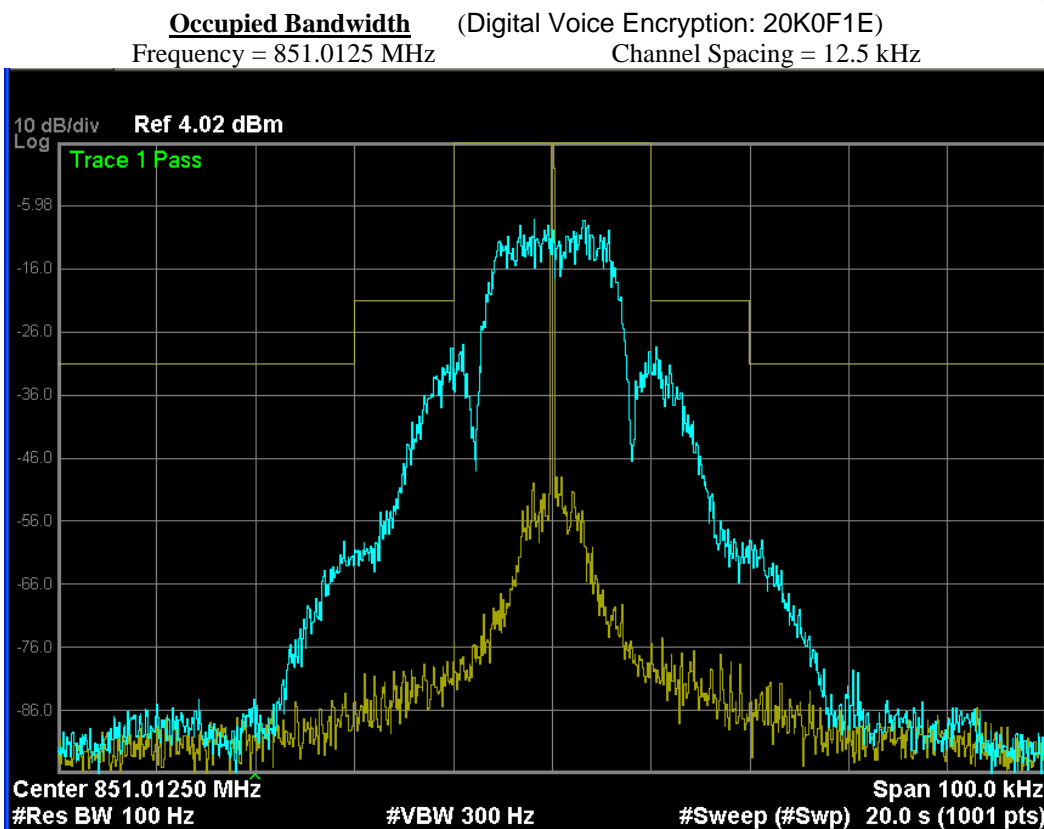


Exhibit 6E-12

Occupied Bandwidth (Digital Voice Encryption: 20K0F1E)**EXHIBIT 6F - Adjacent Channel Coupled Power Ratio**

ANALOG 12.5 kHz Channel Spacing				794.0125 MHz		
Offset (kHz)	Meas BW (kHz)		Lower		Upper	Spec (dB)
9.375	6.25		-47.5		-53.1	-40
15.625	6.25		-69.1		-67.3	-60
21.875	6.25		-71.9		-70.6	-60
37.500	25.00		-69.8		-68.9	-65
62.500	25.00		-74.7		-74.5	-65
87.500	25.00		-77.8		-78.1	-65
150.000	100.00		-76.5		-76.5	-65
250.000	100.00		-81.8		-81.9	-65
350.000	100.00		-85.0		-85.1	-65
400k - 12M	30 (swept)		< -75		< -75	-75
12M - RX	30 (swept)		< -75		< -75	-75
RX Band	30 (swept)		< -100		< -100	-100

Exhibit 6F-1

ANALOG 25 kHz Channel Spacing				794.0125 MHz		
Offset (kHz)	Meas BW (kHz)		Lower		Upper	Spec (dB)
15.625	6.25		-68.2		-67.3	-40
21.875	6.25		-71.9		-70.3	-60
37.500	25.00		-70.0		-68.9	-65
62.500	25.00		-74.5		-74.1	-65
87.500	25.00		-77.6		-77.8	-65
150.000	100.00		-76.5		-76.6	-65
250.000	100.00		-81.8		-81.9	-65
350.000	100.00		-85.4		-85.2	-65
400k - 12M	30 (swept)		< -75		< -75	-75
12M - RX	30 (swept)		< -75		< -75	-75
RX Band	30 (swept)		< -100		< -100	-100

Exhibit 6F-2

APCO 12.5 kHz Channel Spacing			Digital Data		794.0125 MHz	
Offset (kHz)	Meas BW (kHz)		Lower		Upper	Spec (dB)
9.375	6.25		-40.9		-44.8	-40
15.625	6.25		-68.6		-66.9	-60
21.875	6.25		-72.3		-70.8	-60
37.500	25.00		-70.7		-68.8	-65
62.500	25.00		-74.6		-74.1	-65
87.500	25.00		-77.1		-77.5	-65
150.000	100.00		-77.4		-75.7	-65
250.000	100.00		-81.1		-80.9	-65
350.000	100.00		-84.7		-84.5	-65
400k - 12M	30 (swept)		< -75		< -75	-75
12M - RX	30 (swept)		< -75		< -75	-75
RX Band	30 (swept)		< -100		< -100	-100

Exhibit 6F-3

APCO 12.5 kHz Channel Spacing			Digital Voice		794.0125 MHz	
Offset (kHz)	Meas BW (kHz)		Lower		Upper	Spec (dB)
9.375	6.25		-40.4		-44.4	-40
15.625	6.25		-68.7		-67.3	-60
21.875	6.25		-71.2		-69.4	-60
37.500	25.00		-69.9		-68.3	-65
62.500	25.00		-73.3		-72.1	-65
87.500	25.00		-77.9		-77.7	-65
150.000	100.00		-77.0		-76.8	-65
250.000	100.00		-82.3		-82.2	-65
350.000	100.00		-84.2		-84.2	-65
400k - 12M	30 (swept)		< -75		< -75	-75
12M - RX	30 (swept)		< -75		< -75	-75
RX Band	30 (swept)		< -100		< -100	-100

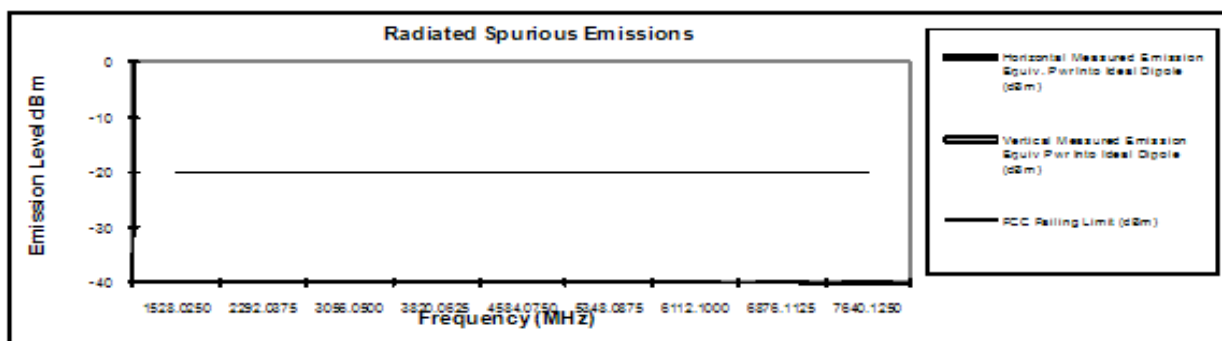
Exhibit 6F-4

12.5 kHz Channel Spacing		F2 Mode		794.0125 MHz		
Offset (kHz)	Meas BW (kHz)		Lower		Upper	Spec (dB)
9.375	6.25		-45.1		-40.5	-40
15.625	6.25		-67.2		-67.1	-60
21.875	6.25		-73.1		-70.4	-60
37.500	25.00		-71.3		-71.2	-65
62.500	25.00		-72.9		-71.9	-65
87.500	25.00		-75.5		-76.6	-65
150.000	100.00		-77.5		-76.5	-65
250.000	100.00		-78.5		-78.6	-65
350.000	100.00		-86.3		-86.1	-65
400k - 12M	30 (swept)		< -75		< -75	-75
12M - RX	30 (swept)		< -75		< -75	-75
RX Band	30 (swept)		< -100		< -100	-100

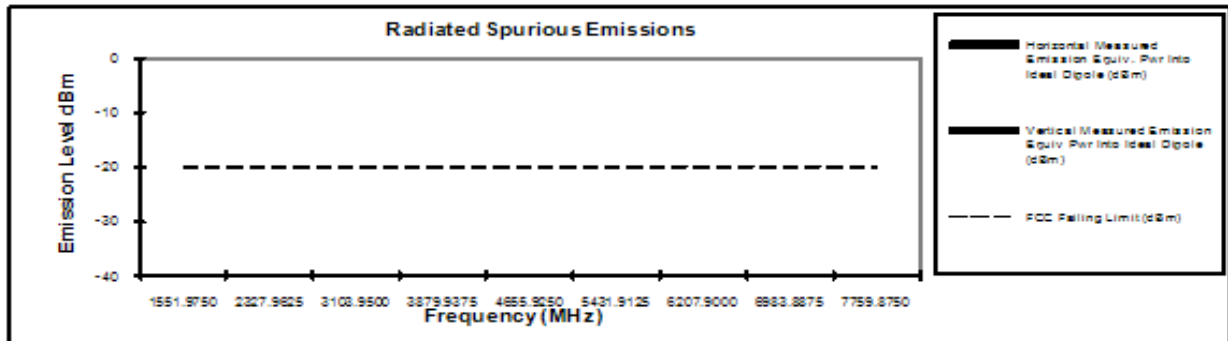
Exhibit 6F-5

EXHIBIT 6G**Transmitter Radiated Spurious Emissions - Pursuant 47 CFR 2.1047 and 2.1033(c)(13)****Motorola Solutions****FCC ID:AZ489FT7050****Transmit Radiated Spurious Emissions: APX4000 NON Bluetooth****Tx Power: 2.99 Watts****764.0125 MHz****Channel Spacing 12.5kHz | S/N 426TMM0104**

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	*	*
2292.0375	-20	*	*
3056.0500	-20	*	*
3820.0625	-20	*	*
4584.0750	-20	*	*
5348.0875	-20	*	*
6112.1000	-20	*	*
6876.1125	-20	*	*
7640.1250	-20	*	*

**Transmit Radiated Spurious Emissions: APX4000 NON Bluetooth****Tx Power: 2.99 Watts****775.9875 MHz****Channel Spacing 12.5kHz | S/N 426TMM0104**

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	-20	*	*
2327.9875	-20	*	*
3103.9500	-20	*	*
3879.9375	-20	*	*
4655.9250	-20	*	*
5431.9125	-20	*	*
6207.9000	-20	*	*
6983.8875	-20	*	*
7759.8750	-20	*	*



* Indicates the spurious emission could not be detected due to noise limitations or ambients.

Pursuant to CFR 47 Part 2.1057(c), emissions attenuated more than 20 dB below the permissible limit are not reported.

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 19, 2011****FCC Registration: 91932 / Industry Canada: IC109U-1**

Motorola Solutions**FCC ID:AZ489FT7050****Transmit Radiated Spurious Emissions: APX4000 NON Bluetooth****Tx Power: 2.99 Watts****794.0125 MHz****Channel Spacing 12.5kHz | S/N 426TMM0104**

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	-20	*	*
2382.0375	-20	*	*
3176.0500	-20	*	*
3970.0625	-20	*	*
4764.0750	-20	*	*
5558.0875	-20	*	*
6352.1000	-20	*	*
7146.1125	-20	*	*
7940.1250	-20	*	*

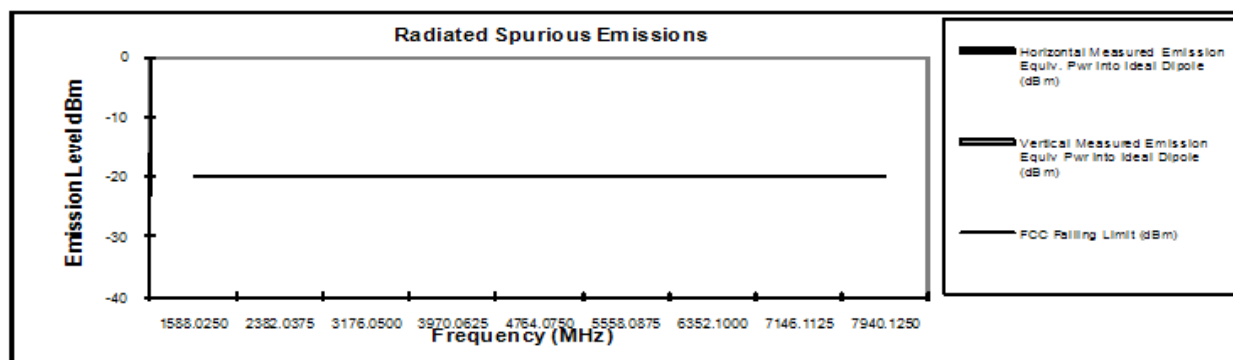
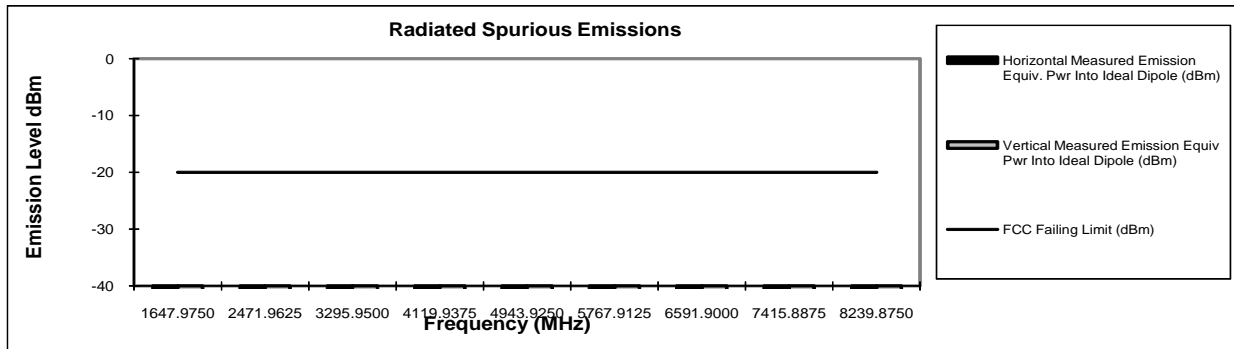


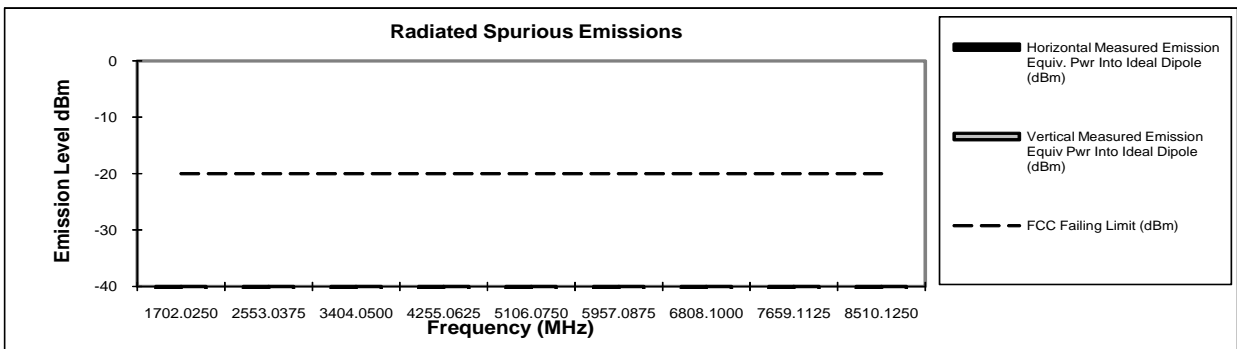
Exhibit 6G-2

Motorola Solutions**FCC ID:AZ489FT7050****Transmit Radiated Spurious Emissions: APX4000 NON Bluetooth****Tx Power: 3.6 Watts****823.9875 MHz****Channel Spacing 12.5kHz | S/N 426TMM0104**

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	*	*
2471.9625	-20	*	*
3295.9500	-20	*	*
4119.9375	-20	*	*
4943.9250	-20	*	*
5767.9125	-20	*	*
6591.9000	-20	*	*
7415.8875	-20	*	*
8239.8750	-20	*	*

**Transmit Radiated Spurious Emissions: APX4000 NON Bluetooth****Tx Power: 3.6 Watts****851.0125 MHz****Channel Spacing 12.5kHz | S/N 426TMM0104**

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	-20	*	*
2553.0375	-20	*	*
3404.0500	-20	*	*
4255.0625	-20	*	*
5106.0750	-20	*	*
5957.0875	-20	*	*
6808.1000	-20	*	*
7659.1125	-20	*	*
8510.1250	-20	*	*



* Indicates the spurious emission could not be detected due to noise limitations or ambients.

Pursuant to CFR 47 Part 2.1057(c), emissions attenuated more than 20 dB below the permissible limit are not reported.

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 21, 2011****FCC Registration: 91932 / Industry Canada: IC109U-1****Exhibit 6G-3**

Motorola Solutions**FCC ID: AZ489FT7050****Transmit Radiated Spurious Emissions: APX4000 NON Bluetooth****Tx Power: 3.6 Watts****869.8875 MHz****Channel Spacing 12.5kHz | S/N 426TMM0104**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)
1739.7750	-20	*	*
2609.6625	-20	*	*
3479.5500	-20	*	*
4349.4375	-20	-29.52	-30.77
5219.3250	-20	*	*
6089.2125	-20	*	*
6959.1000	-20	*	*
7828.9875	-20	*	*
8698.8750	-20	*	*

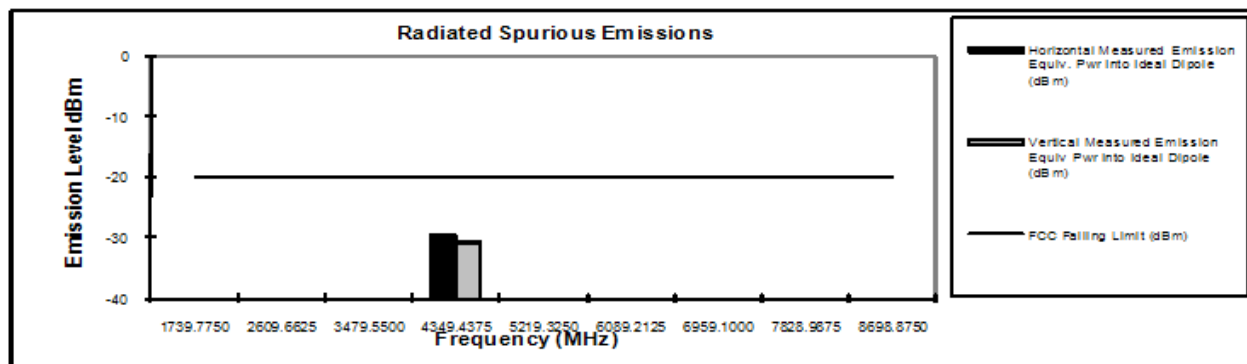
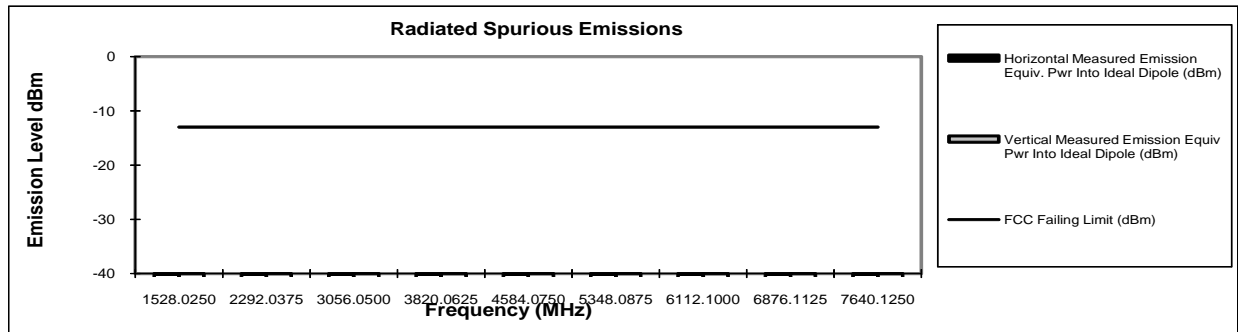


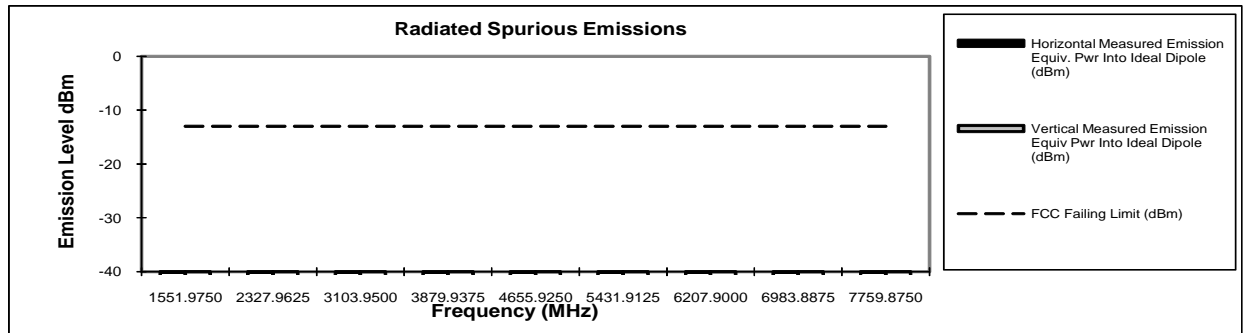
Exhibit 6G-4

Motorola Solutions**FCC ID:AZ489FT7050****Transmit Radiated Spurious Emissions: APX4000 NON Bluetooth****Tx Power: 2.99 Watts****764.0125 MHz****Channel Spacing 25kHz | S/N 426TMM0104**

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	-13	*	*
2292.0375	-13	*	*
3056.0500	-13	*	*
3820.0625	-13	*	*
4584.0750	-13	*	*
5348.0875	-13	*	*
6112.1000	-13	*	*
6876.1125	-13	*	*
7640.1250	-13	*	*

**Transmit Radiated Spurious Emissions: APX4000 NON Bluetooth****Tx Power: 2.99 Watts****775.9875 MHz****Channel Spacing 25kHz | S/N 426TMM0104**

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	*	*
2327.9625	-13	*	*
3103.9500	-13	*	*
3879.9375	-13	*	*
4655.9250	-13	*	*
5431.9125	-13	*	*
6207.9000	-13	*	*
6983.8875	-13	*	*
7759.8750	-13	*	*



* Indicates the spurious emission could not be detected due to noise limitations or ambients.

Pursuant to CFR 47 Part 2.1057(c), emissions attenuated more than 20 dB below the permissible limit are not reported.

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 23, 2011

FCC Registration: 91932 / Industry Canada: IC109U-1

Exhibit 6G-5

Motorola Solutions**FCC ID:AZ489FT7050****Transmit Radiated Spurious Emissions: APX4000 NON Bluetooth****Tx Power: 2.99 Watts****794.0125 MHz****Channel Spacing 25kHz | S/N 426TMM0104**

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	*	*
2382.0375	-13	*	*
3176.0500	-13	*	*
3970.0625	-13	*	*
4764.0750	-13	*	*
5558.0875	-13	*	*
6352.1000	-13	*	*
7146.1125	-13	*	*
7940.1250	-13	*	*

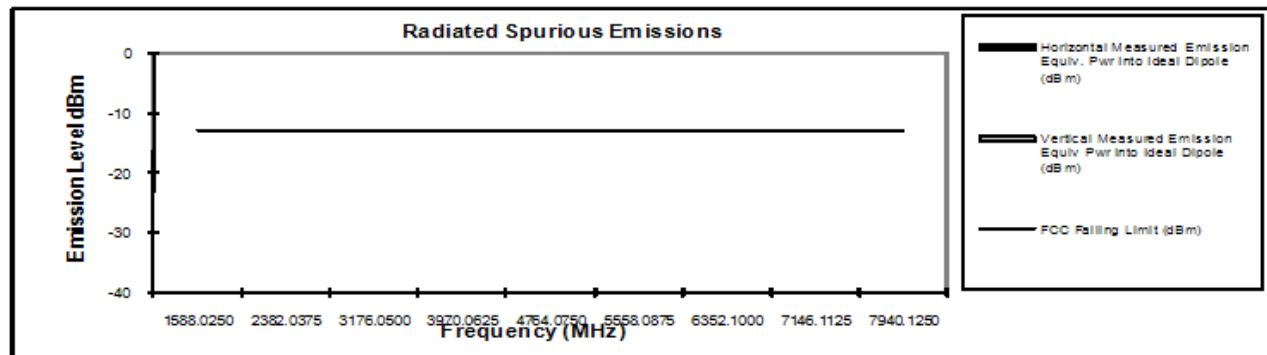
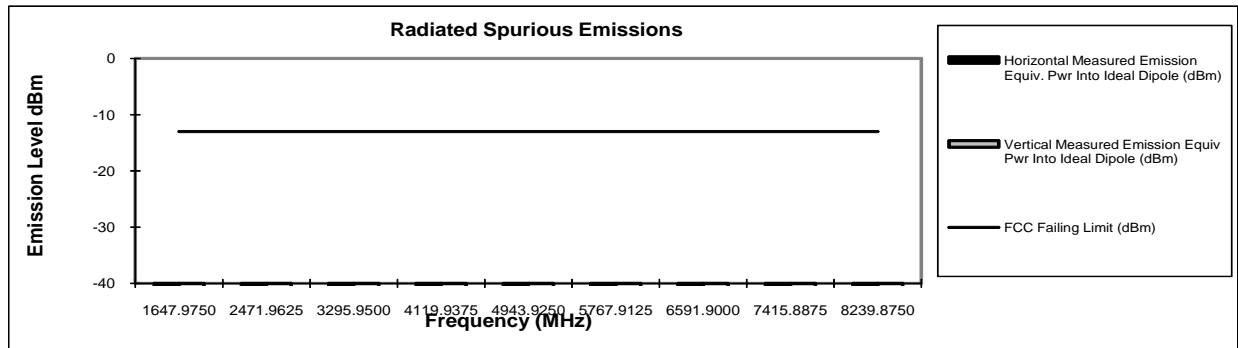


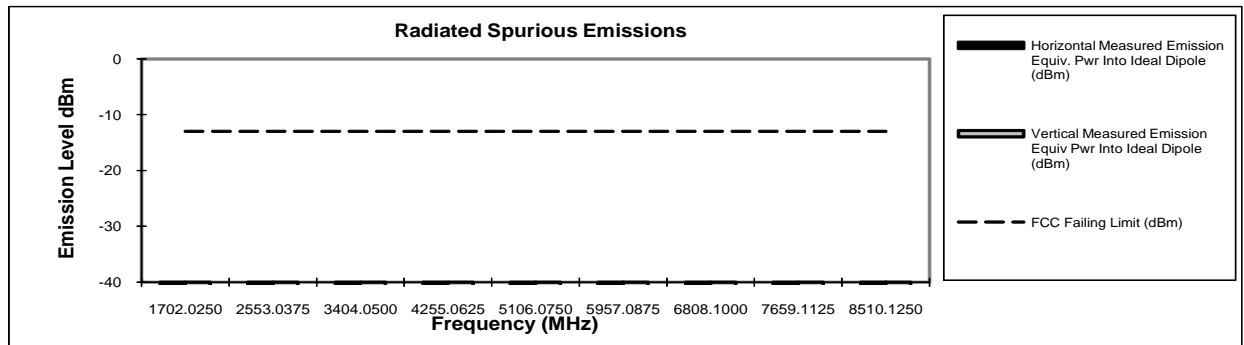
Exhibit 6G-6

Motorola Solutions**FCC ID:AZ489FT7050****Transmit Radiated Spurious Emissions: APX4000 NON Bluetooth****Tx Power: 3.6 Watts****823.9875 MHz****Channel Spacing 25kHz | S/N 426TMM0104**

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	*	*
2471.9625	-13	*	*
3295.9500	-13	*	*
4119.9375	-13	*	*
4943.9250	-13	*	*
5767.9125	-13	*	*
6591.9000	-13	*	*
7415.8875	-13	*	*
8239.8750	-13	*	*

**Transmit Radiated Spurious Emissions: APX4000 NON Bluetooth****Tx Power: 3.6 Watts****851.0125 MHz****Channel Spacing 25kHz | S/N 426TMM0104**

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	*	*
2553.0375	-13	*	*
3404.0500	-13	*	*
4255.0625	-13	*	*
5106.0750	-13	*	*
5957.0875	-13	*	*
6808.1000	-13	*	*
7659.1125	-13	*	*
8510.1250	-13	*	*



* Indicates the spurious emission could not be detected due to noise limitations or ambients.

Pursuant to CFR 47 Part 2.1057(c), emissions attenuated more than 20 dB below the permissible limit are not reported.

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 23, 2011****FCC Registration: 91932 / Industry Canada: IC109U-1****Exhibit 6G-7**

Motorola Solutions**FCC ID:AZ489FT7050****Transmit Radiated Spurious Emissions: APX4000 NON Bluetooth**

Tx Power: 3.6 Watts

869.8875 MHz

Channel Spacing 25kHz | S/N 426 TMM0104

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)
1739.7750	-13	*	-39.57
2609.6625	-13	*	*
3479.5500	-13	*	*
4349.4375	-13	-27.17	-31.77
5219.3250	-13	*	*
6089.2125	-13	*	*
6959.1000	-13	*	*
7828.9875	-13	*	*
8698.8750	-13	*	*

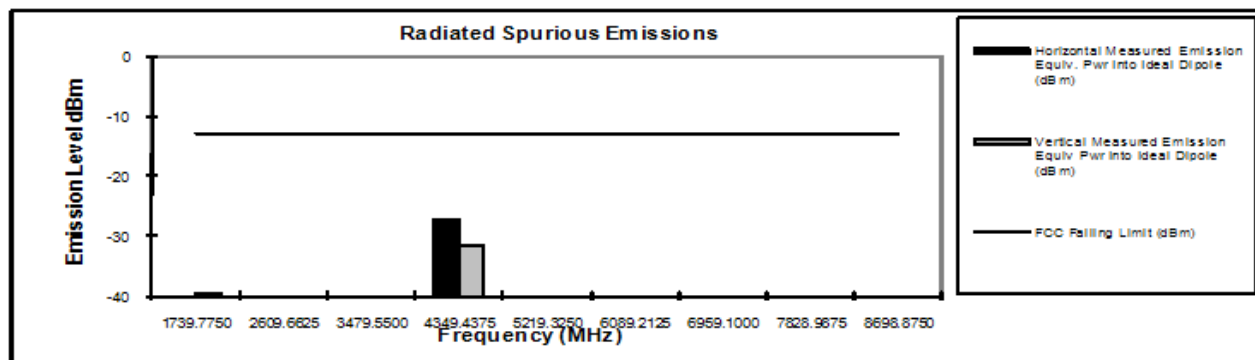


Exhibit 6G-8

EXHIBIT 6I

1559-1605MHz Radiated Emissions (GNSS), Channel spacing 12.5 kHz

GNSS Testing			
At 10 Meters ERP, ADD +2.15 dB for EIRP			
Date:	8/24/2011	EMC#:	EMC07272011-210
Product:	APX4000 Non Bluetooth	S/N	426TMM0104
		Temp:	87F 70%
		Channel Spacing:	12.5kHz
		Notes:	GNSS
Tx Freq.	794.0125		
		Horizontal Radiated	Vertical Radiated
Spur	Frequency	Spur. Emiss.	Spur. Emiss.
2XFund	MHz	(dBm)	(dBm)
	1588.0250	-56.49	-52.92
		Notes:	GNSS
Tx Freq.	805.0000		
		Horizontal Radiated	Vertical Radiated
Spur	Frequency	Spur. Emiss.	Spur. Emiss.
2XFund	MHz	(dBm)	(dBm)
	1610.0000	-58.6	-54.79
		Notes:	GNSS

Exhibit 6I-1

1559-1605MHz Radiated Emissions (GNSS), Channel spacing 25 kHz

GNSS Testing			
At 10 Meters ERP, ADD +2.15 dB for EIRP			
Date:	8/24/2011	EMC#:	EMC07272011-210
Product:	APX4000 Non Bluetooth	S/N	426TMM0104
		Temp:	87F 70%
		Channel Spacing:	25kHz
		Notes:	GNSS
Tx Freq.	794.0125		
		Horizontal Radiated	Vertical Radiated
Spur	Frequency	Spur. Emiss.	Spur. Emiss.
2XFund	MHz	(dBm)	(dBm)
	1588.0250	-56.79	-54.24
		Notes:	GNSS
Tx Freq.	805.0000		
		Horizontal Radiated	Vertical Radiated
Spur	Frequency	Spur. Emiss.	Spur. Emiss.
2XFund	MHz	(dBm)	(dBm)
	1610.0000	-58.58	-55.24
		Notes:	GNSS

Exhibit 6I-2

EXHIBIT 6I

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

Note: Lines on graphs correspond to the FCC limit of -13dBm.

Spurs which are not shown is less than 100dB

Freq: 764.0125 MHz, Power: 2.99Watts (channel spacing 12.5 kHz)

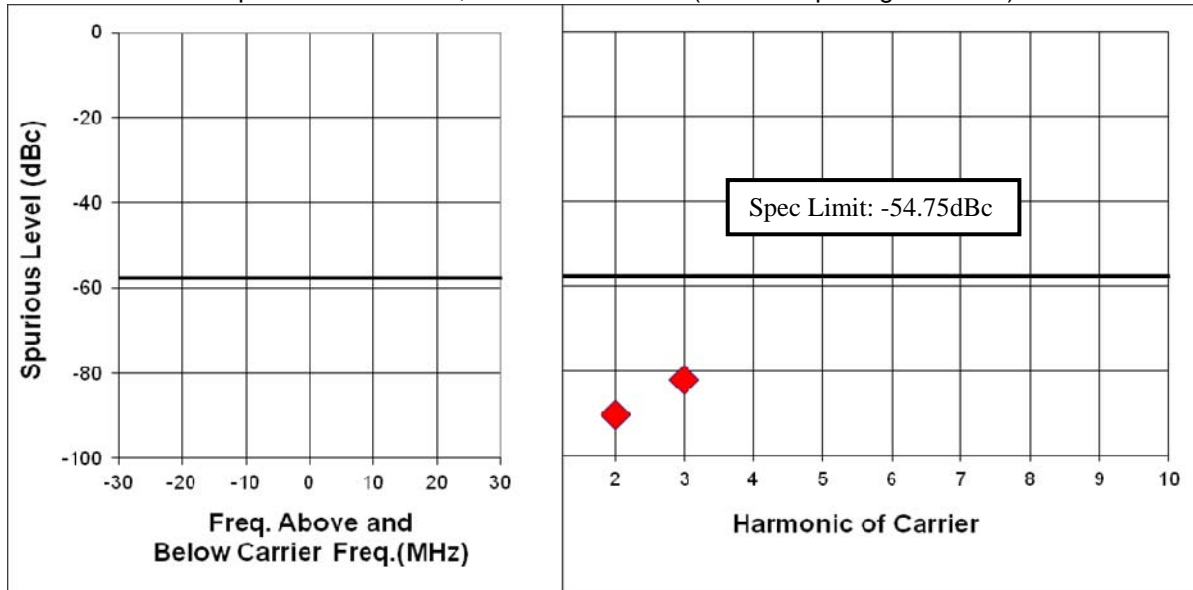


Exhibit 6I-1

Freq: 775.9875 MHz, Power: 2.99Watts (channel spacing 12.5 kHz)

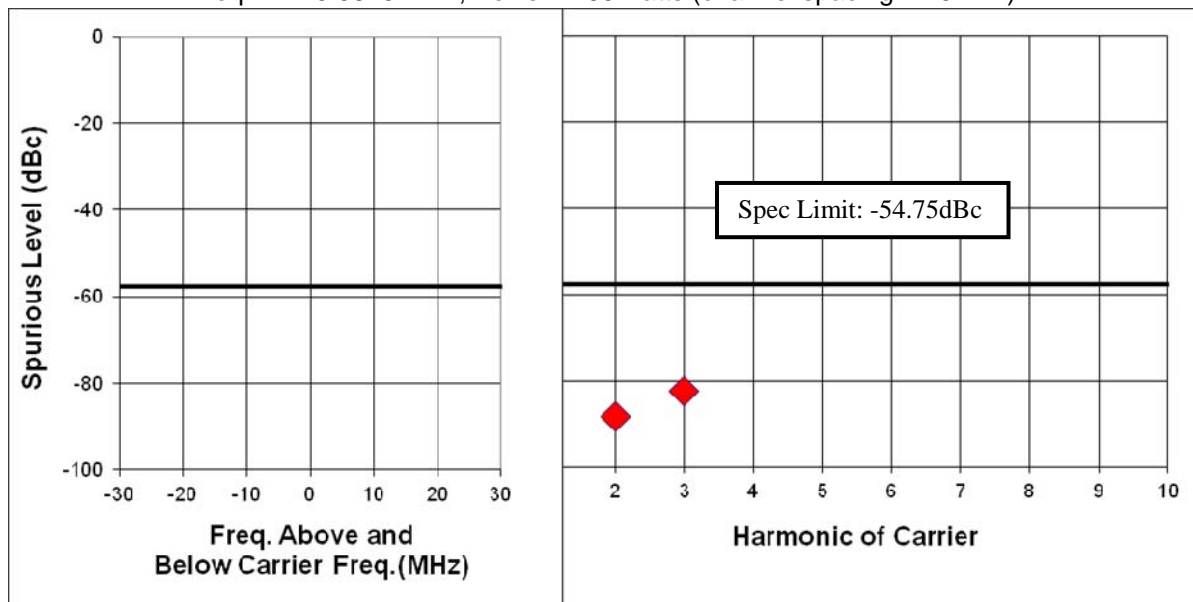


Exhibit 6I-2

Freq: 794.0125 MHz, Power: 2.99Watts (channel spacing 12.5 kHz)

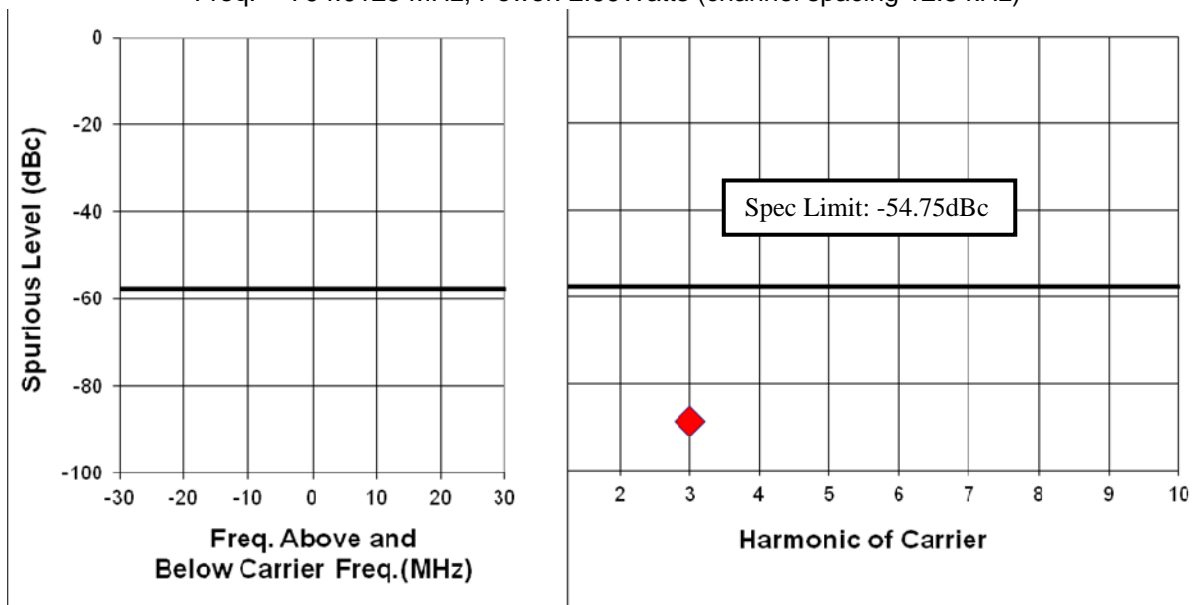


Exhibit 6I-3

Freq: 809.0125 MHz, Power: 3.6 Watts (channel spacing 12.5 kHz)

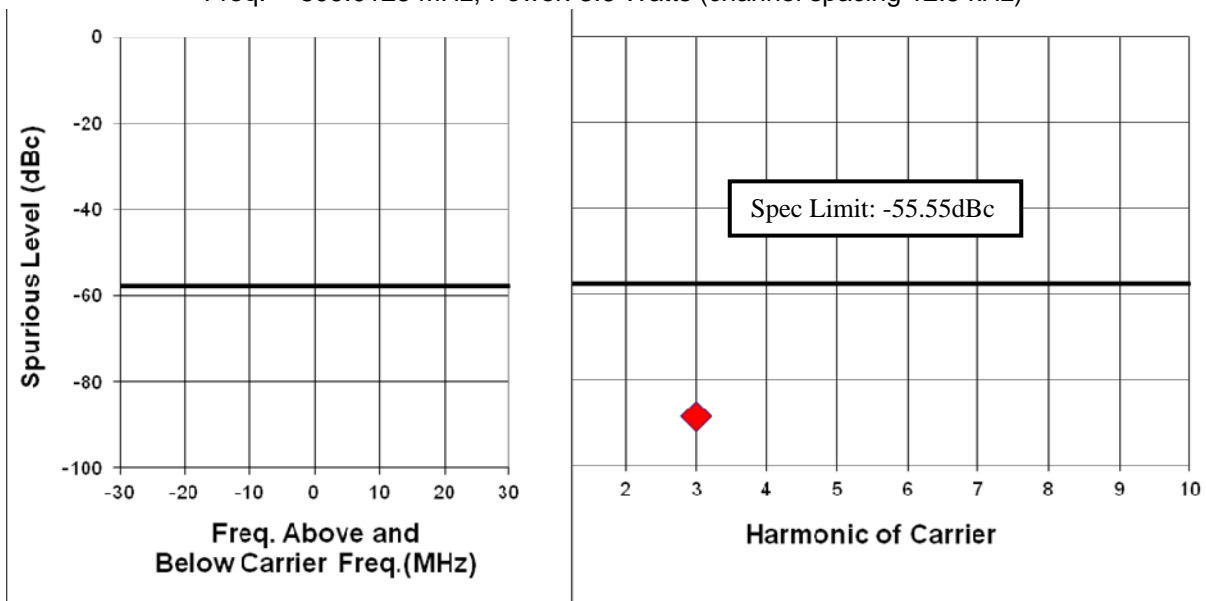


Exhibit 6I-4

Freq: 851.0125 MHz, Power: 3.6 Watts (channel spacing 12.5kHz)

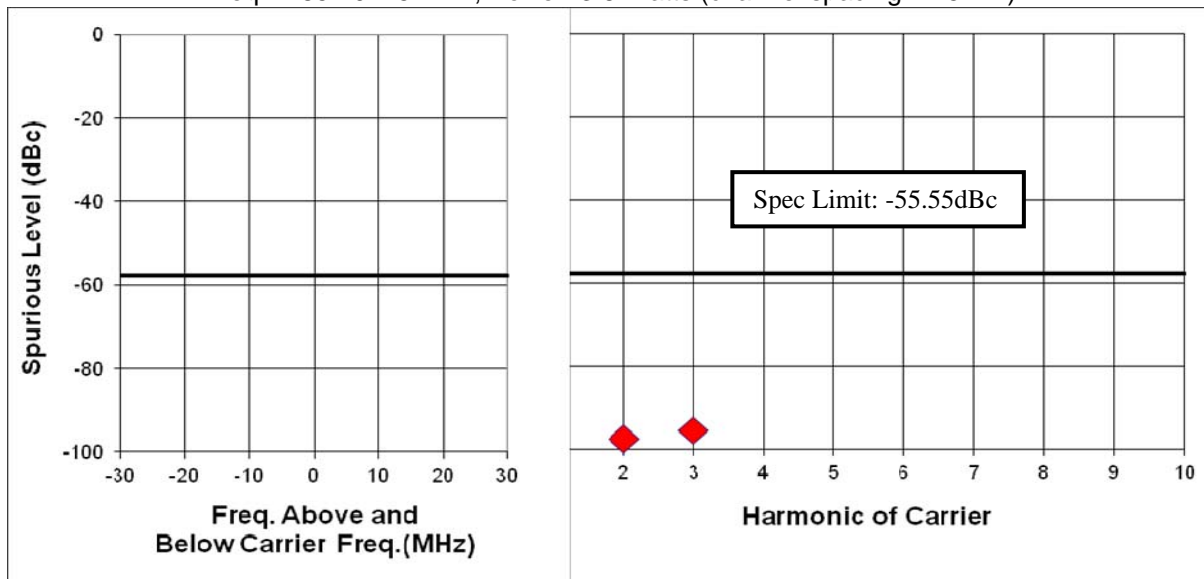


Exhibit 6I-5

Freq: 869.8875 MHz, Power: 3.6 Watts(channel spacing 12.5kHz)

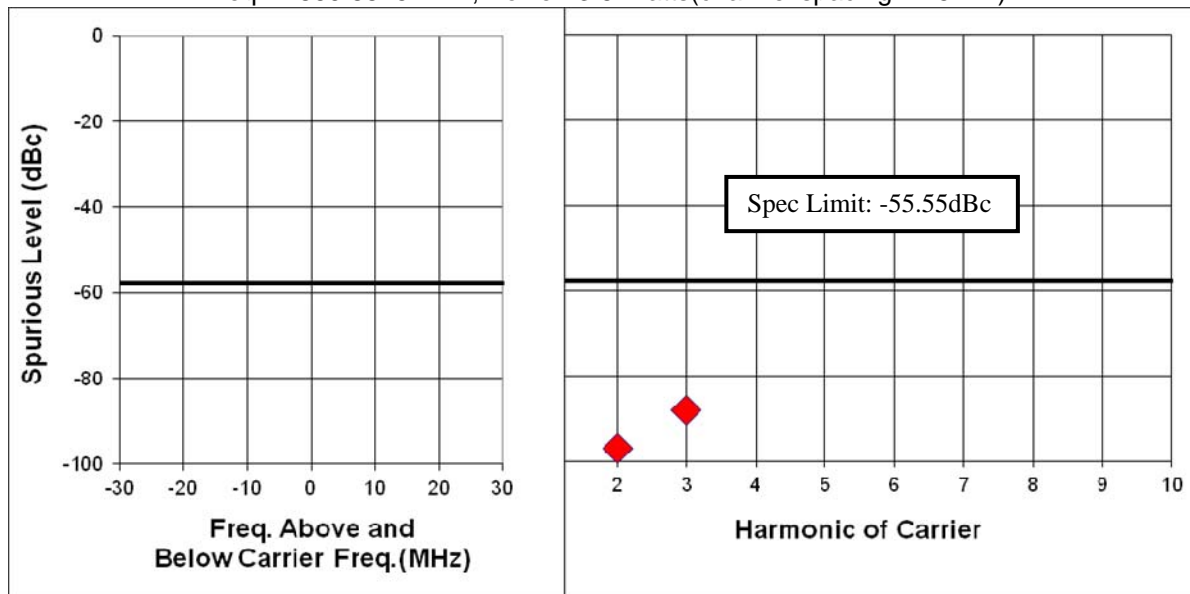


Exhibit 6I-6

Freq: 764.0125 MHz, Power: 2.99Watts (channel spacing 25 kHz)

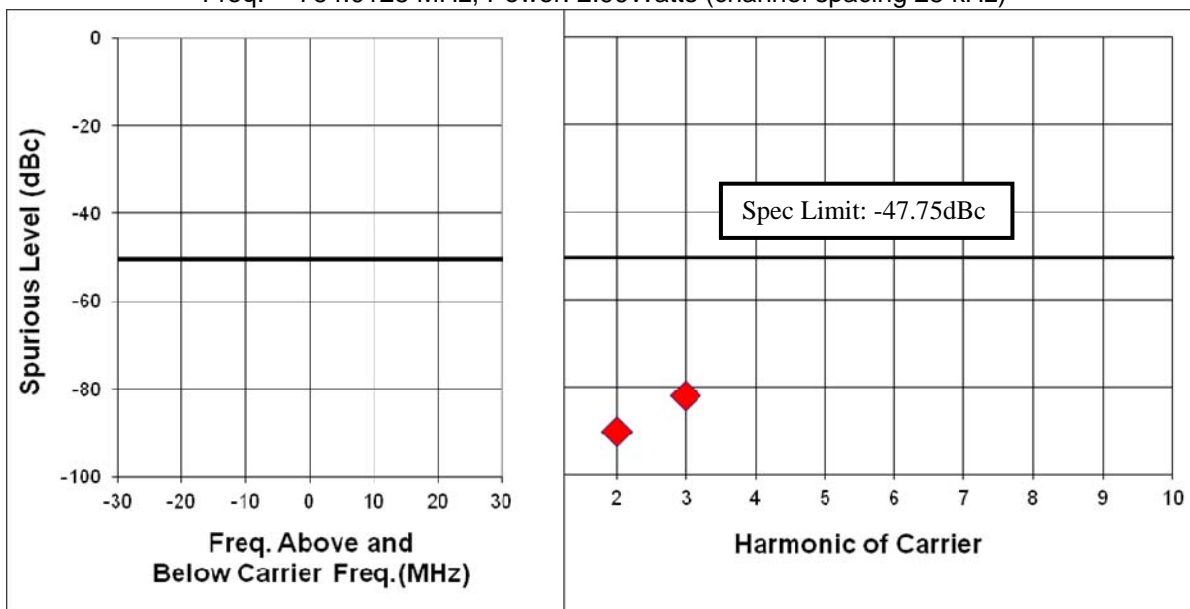


Exhibit 6I-7

Freq: 775.9875 MHz, Power: 2.99Watts (channel spacing 25 kHz)

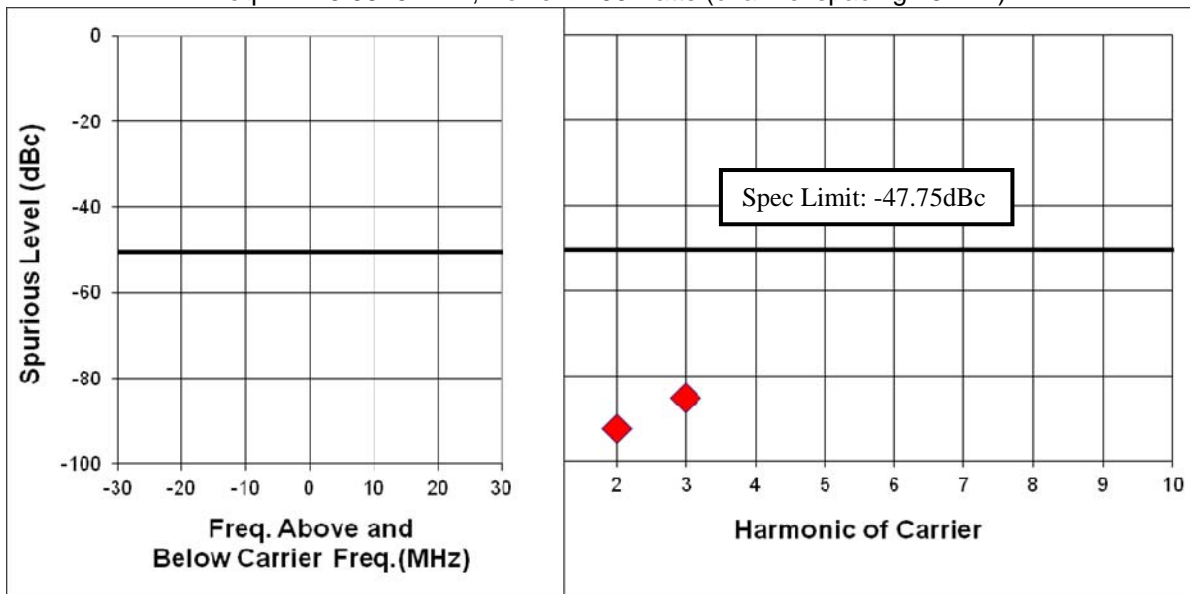


Exhibit 6I-8

Freq: 794.0125 MHz, Power: 2.99Watts (channel spacing 25 kHz)

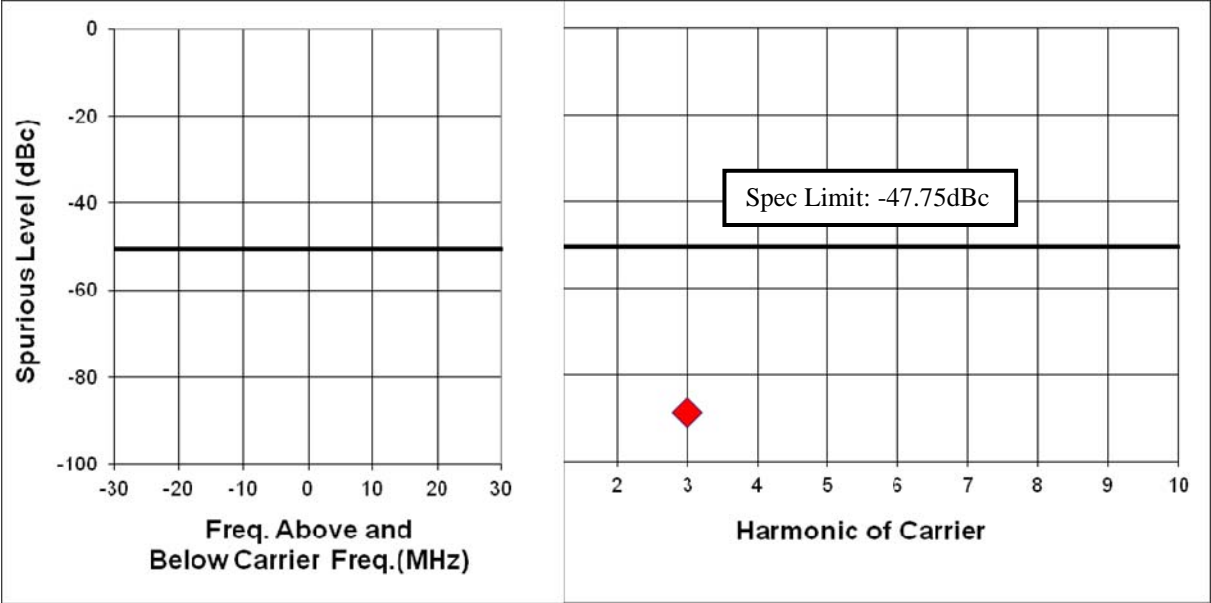


Exhibit 6I-9

Freq: 809.0125 MHz, Power: 3.6 Watts (channel spacing 25 kHz)

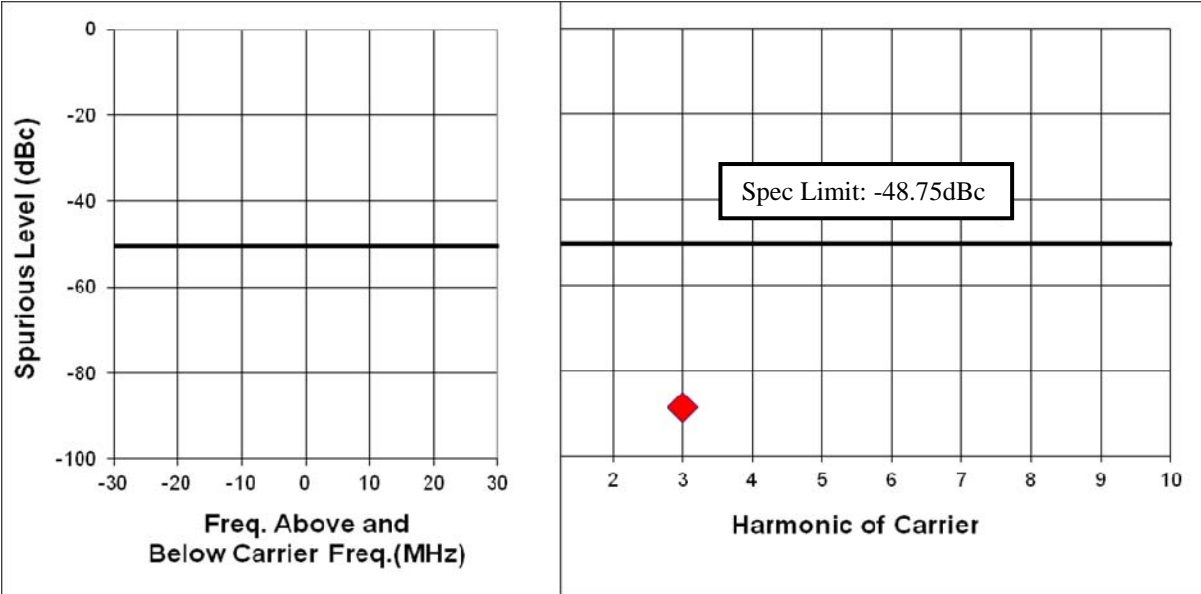


Exhibit 6I-10

Freq: 851.0125 MHz, Power: 3.6 Watts (channel spacing 25 kHz)

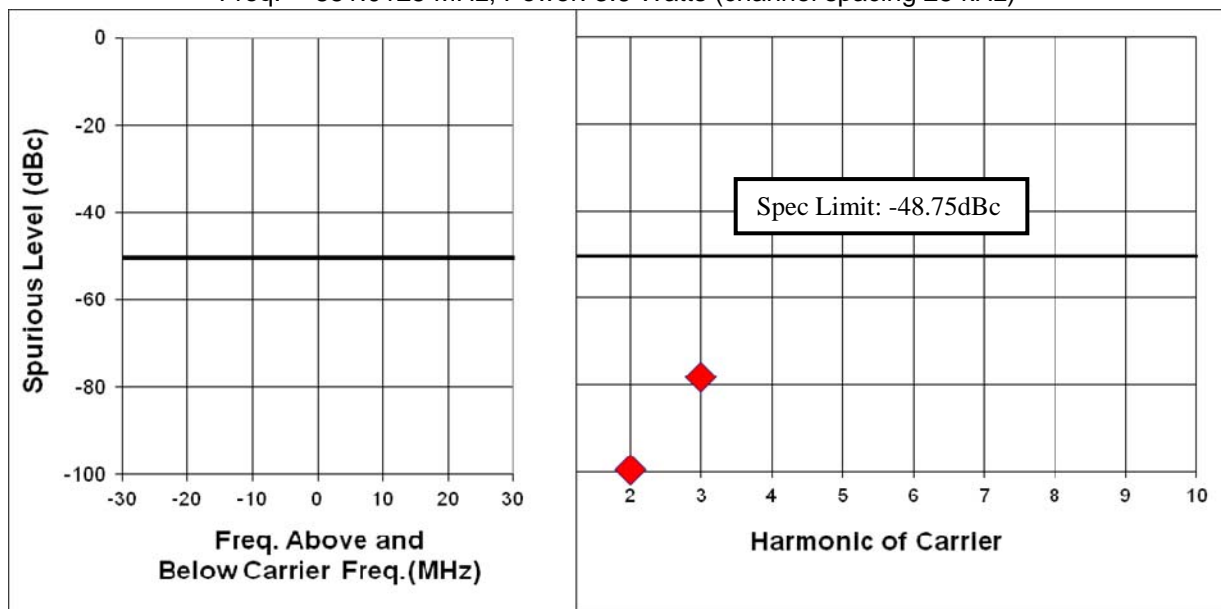


Exhibit 6I-11

Freq: 869.8875 MHz, Power: 3.6 Watts (channel spacing 25 kHz)

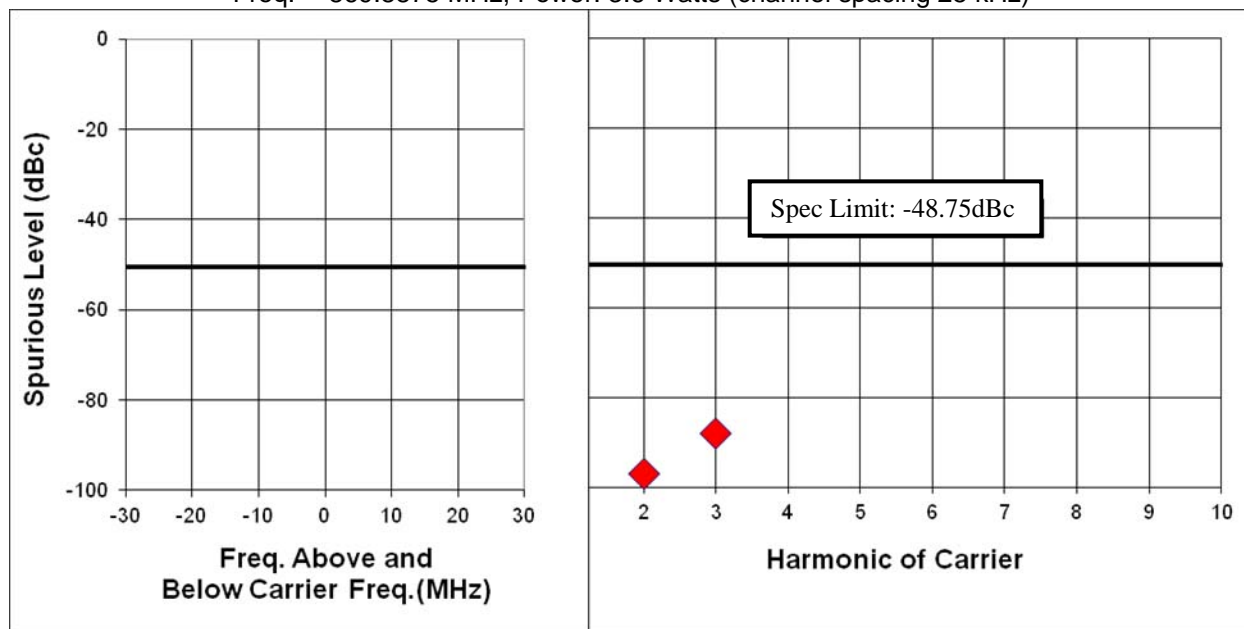
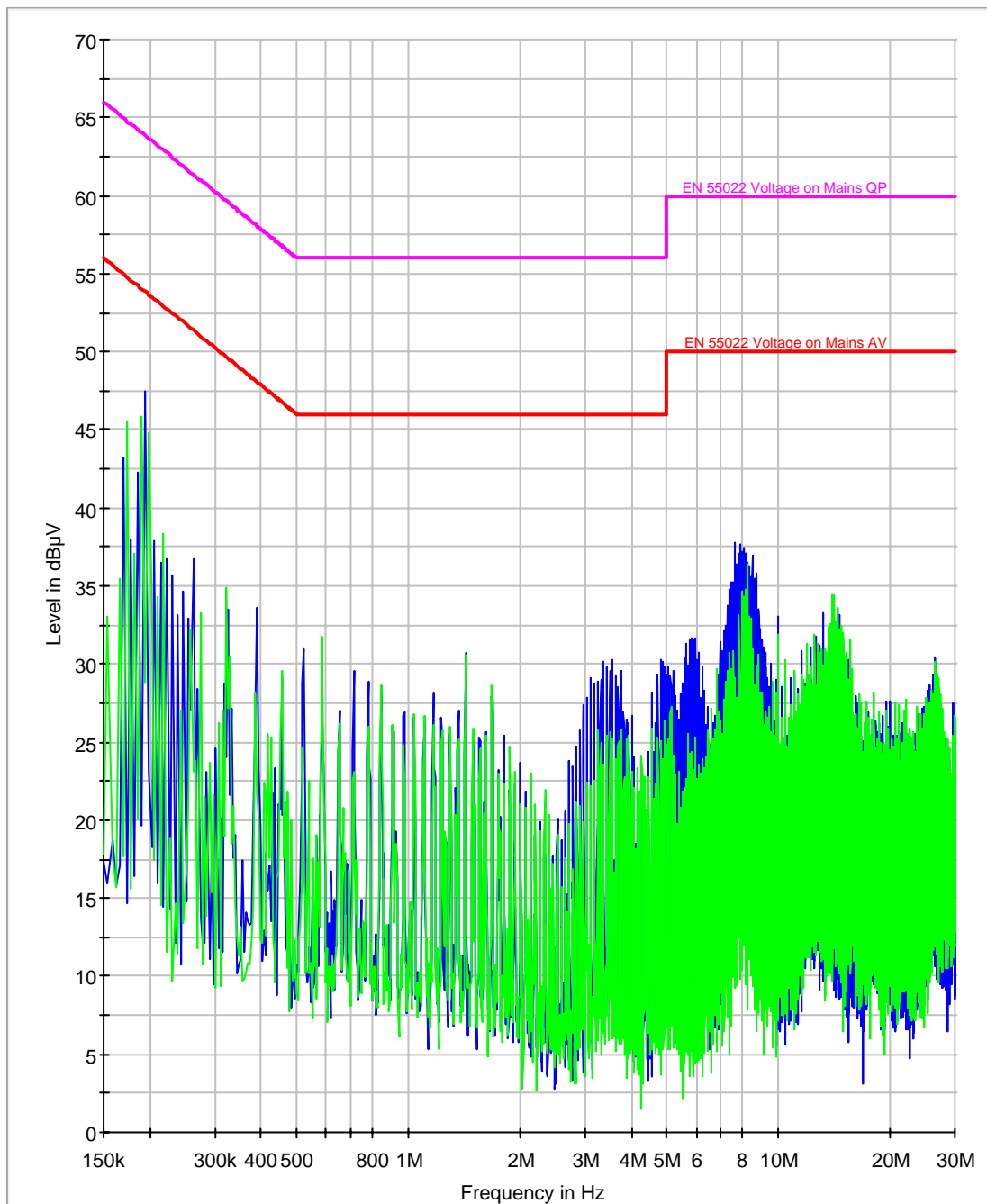
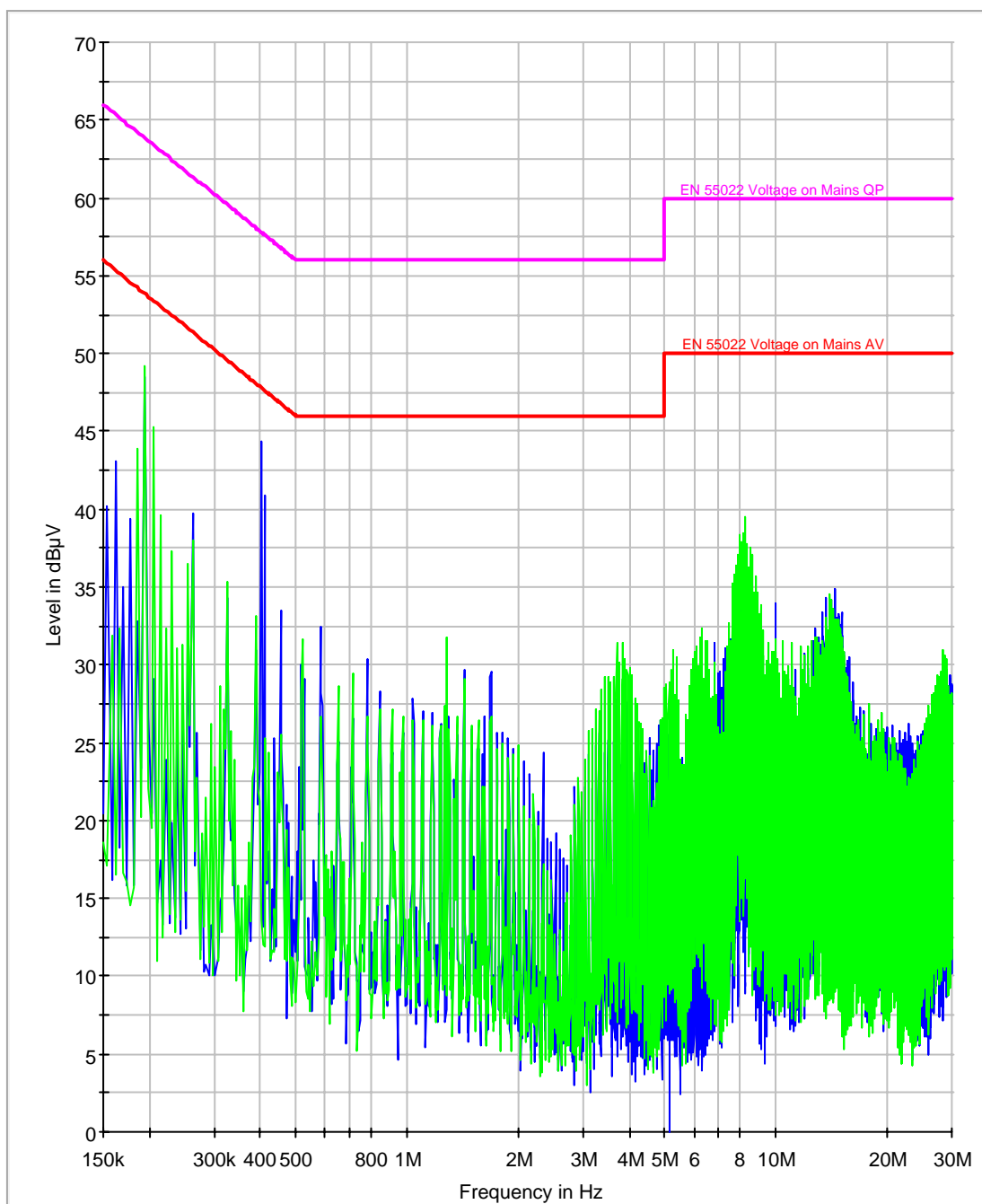


Exhibit 6I-12

EXHIBIT 6J**Power Line Conducted Spurious Emissions**

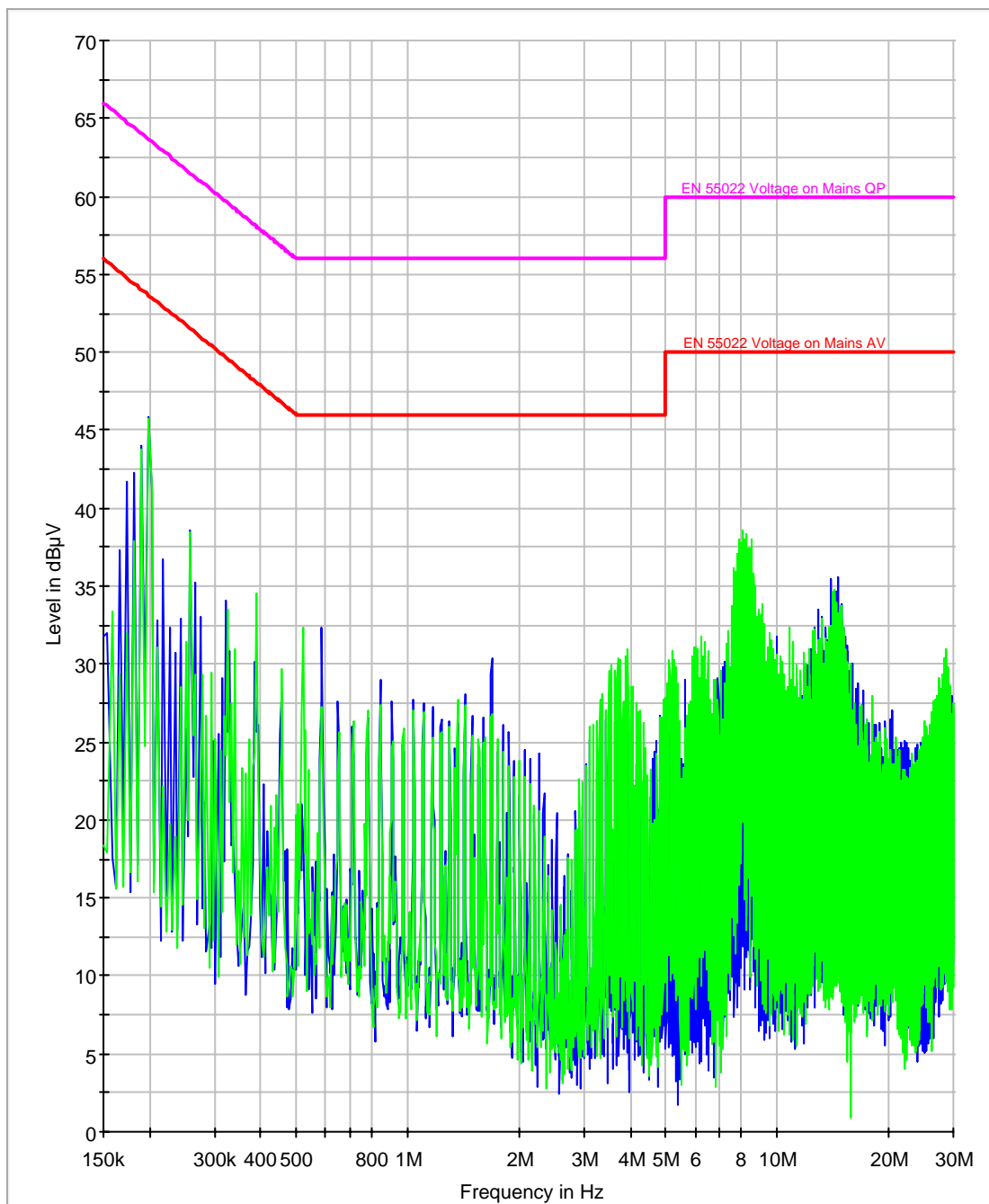
EMI Conducted Scan latest FCC Peak det - 3816 LISN
Auto Merge Results N – Green L1 – Blue
Radio Off

Exhibit 6J-1



EMI Conducted Scan latest FCC Peak det - 3816 LISN
Auto Merge Results N – Green L1 – Blue
TX – 775.9875 MHz

Exhibit 6J-2



EMI Conducted Scan latest FCC Peak det - 3816 LISN
Auto Merge Results N – Green L1 – Blue
TX – 851.0125 MHz

Exhibit 6J-3

EXHIBIT 6
SHEET 39 OF 41

EXHIBIT 6K**Frequency Stability** - Pursuant 47 CFR 2.1047 and 2.1033(c)(13)

Frequency Stability (775.9875 MHz) vs. Supply Voltage

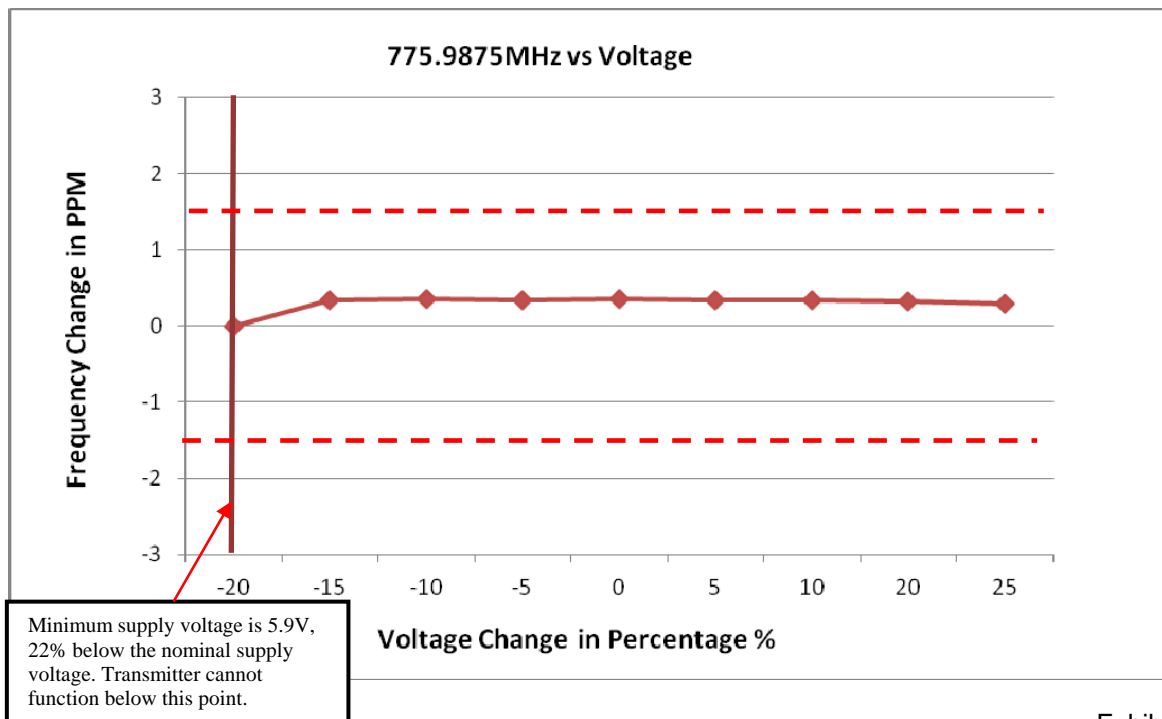


Exhibit 6K-1

Frequency Stability (851.0125MHz) vs. Supply Voltage

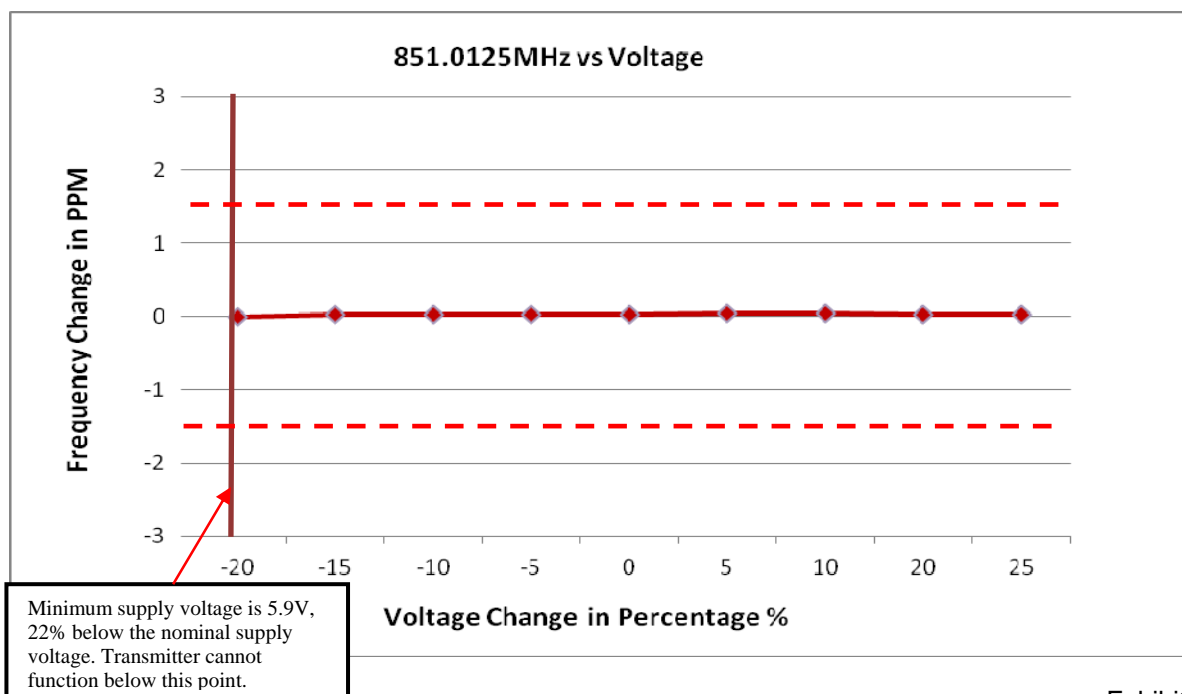


Exhibit 6K-2

Frequency Stability (775.9875 MHz) vs. Temperature

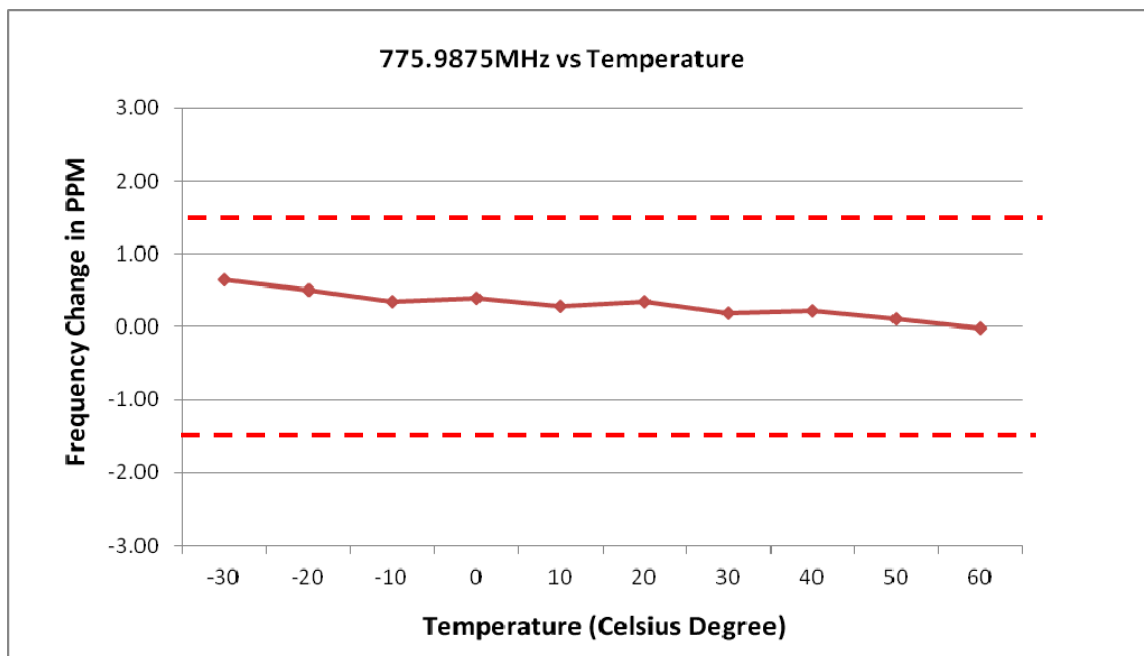


Exhibit 6K-3

Frequency Stability (851.0125 MHz) vs. Temperature

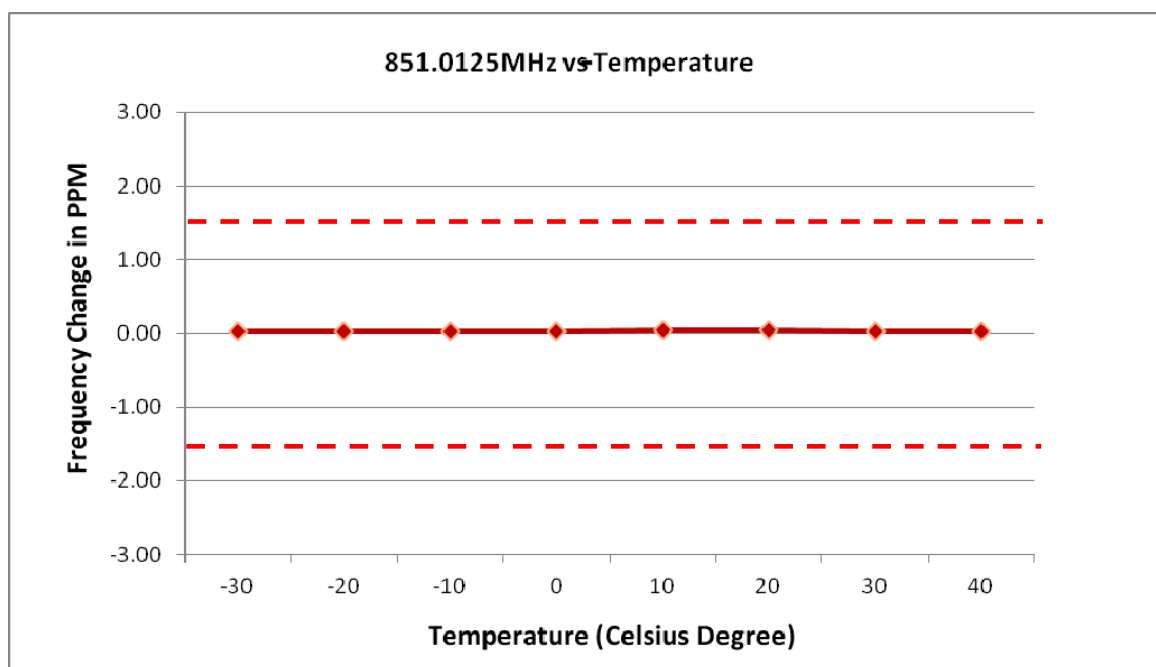


Exhibit 6K-4