

## **Exhibit 6 Test Report**

**FCC: Pursuant 2.1033 (c), 90, 80, 74, 22**

**IC: RSS-Gen, RSS 119, and RSS-182**

**INDEX OF SUBMITTED MEASURED DATA**

<b><u>MEASUREMENT</u></b>	<b><u>EXHIBIT</u></b>	<b><u>Page</u></b>	<b><u>Number of pages</u></b>
1. RF Output Power (conducted)	6A	3	1
2. Occupied Bandwidth	6B	4	28
3. Radiated Spurious Emissions	6C	33	31
4. Effective Radiated Power	6D	64	2
5. Conducted Spurious Emissions	6E	66	14
6. Adjacent Channel Coupled Power Ratio	6F	80	4
7. Transient Frequency Behavior	6G	84	3
8. Frequency Stability	6H	87	4
9. Modulation Limiting	6I	91	5
10. Audio Frequency Response	6J	96	1

**Exhibit 6A****1. RF Output Power (conducted)**

The RF output power was measured with the indicated voltage and current applied into the final RF amplifying device. -- Pursuant 47 CFR 2.1046(a), 2.1033(c)(6), 2.1033(c)(7) and 2.1033(c)(8)

APX7000L VHF / 7-800 MHz

**TIA-603, TX Output Power and TX DC Current**

**( Nominal DC Voltage 7.5V, Primary Supply Voltage 7.5V, Temp 25°C)**

Frequency (MHz)	Low Power Readings		Nominal Power Readings	
	Output Power (W)	Current (A)	Output Power (W)	Current (A)
136.0125	1.23	1.1	6.19	1.89
151.0125	1.16	0.98	6.23	1.93
157.8	1.17	0.98	6.21	1.92
173.2125	1.20	1.0	6.25	1.98
173.9875	1.22	1.0	6.24	1.98
764.0875	1.21	1.0	2.80	1.45
768.0125	1.22	1.0	2.82	1.47
769.0125	1.25	1.0	1.98	1.21
769.0875	1.24	1.0	2.80	1.45
799.0875	1.23	1.0	2.83	1.47
804.9125	1.20	0.98	2.84	1.47
805.9875	1.21	0.99	2.85	1.50
806.0125	1.21	1.0	3.20	1.58
823.9875	1.23	1.0	3.32	1.65
868.9875	1.25	1.0	3.25	1.60

### Exhibit 6B

#### 2. Occupied Bandwidth -- Pursuant 47 CFR 2.1049, 90.210

Occupied Bandwidth data for frequency 806-824/851-869 is compliant to Mask D. Because Mask D is more stringent than mask outlined in section 90.691, only the data for Mask D is provided.

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

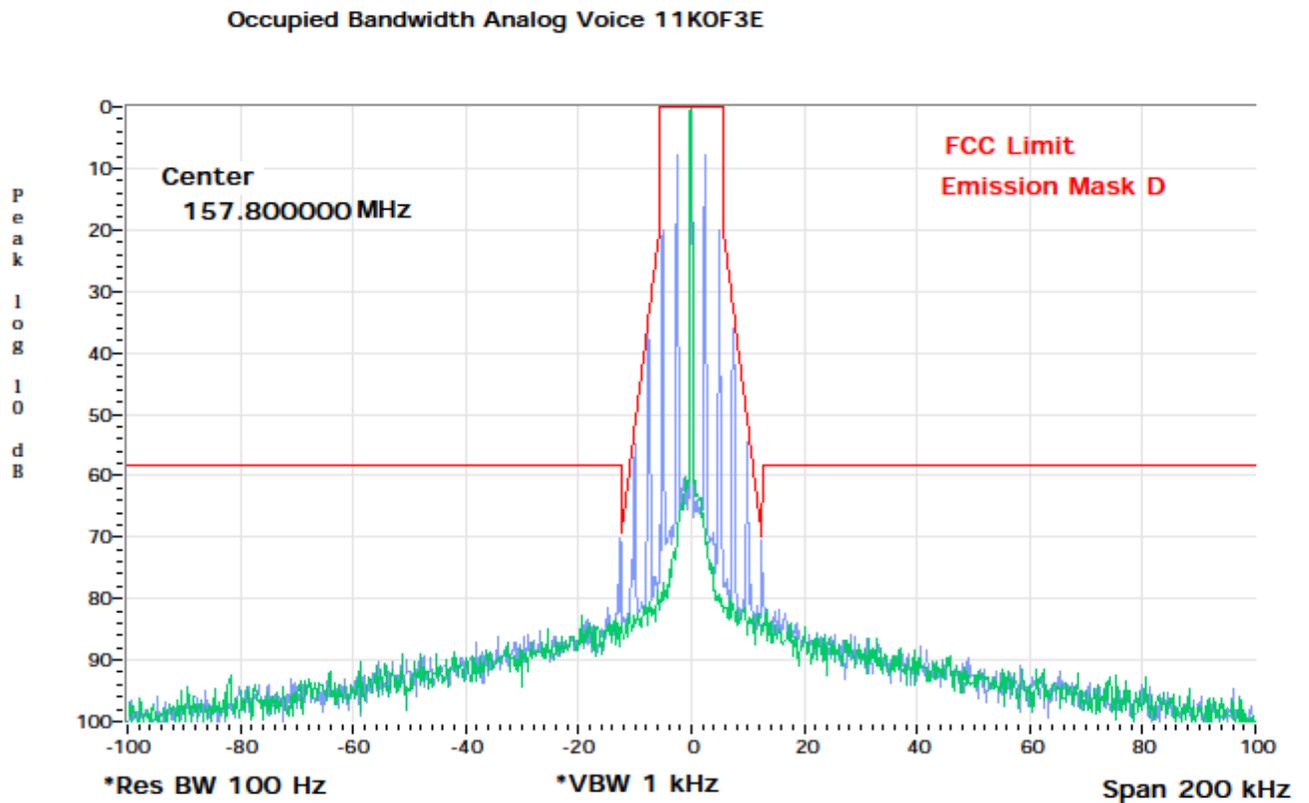
In this case, the maximum modulating frequency is 3.0 kHz with a 2.5 kHz deviation.

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

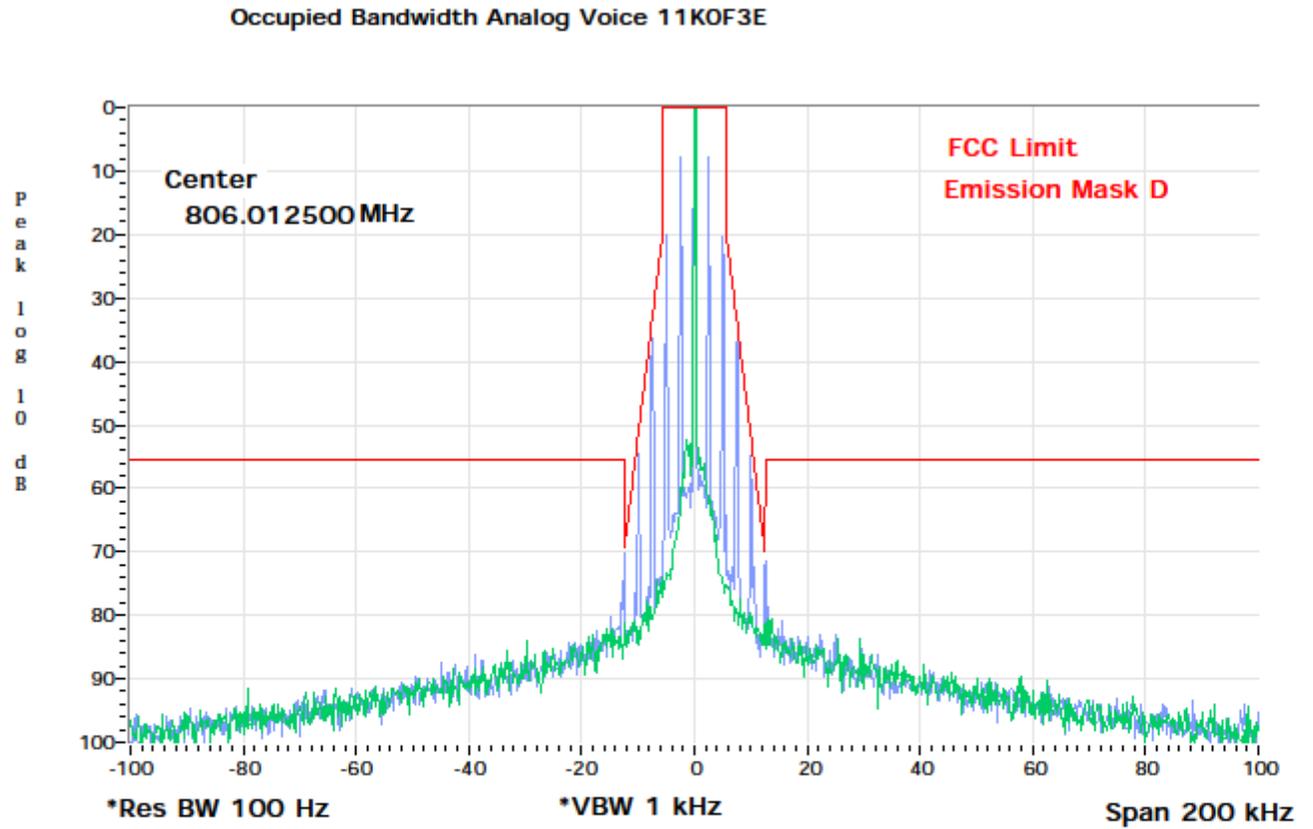
F3E portion of the designator indicates voice.

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

Frequency = 157.8 MHz

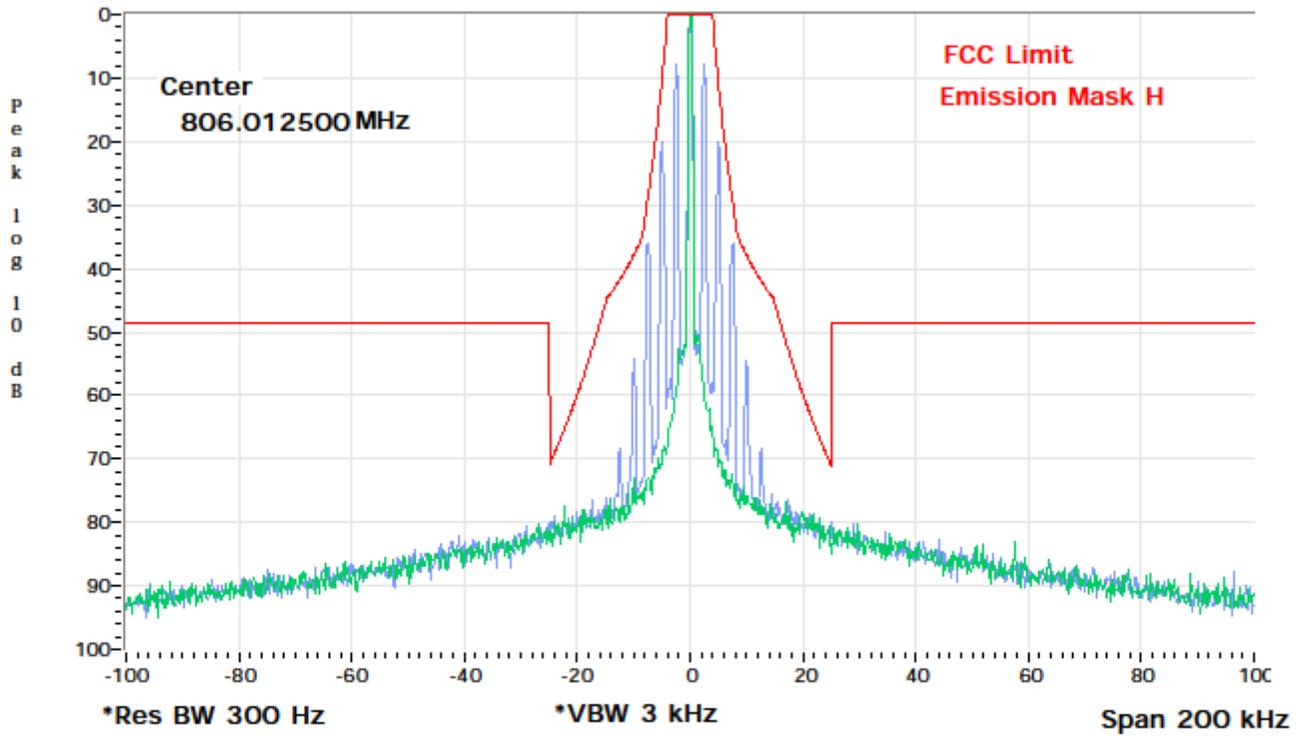


Frequency = 806.0125 MHz

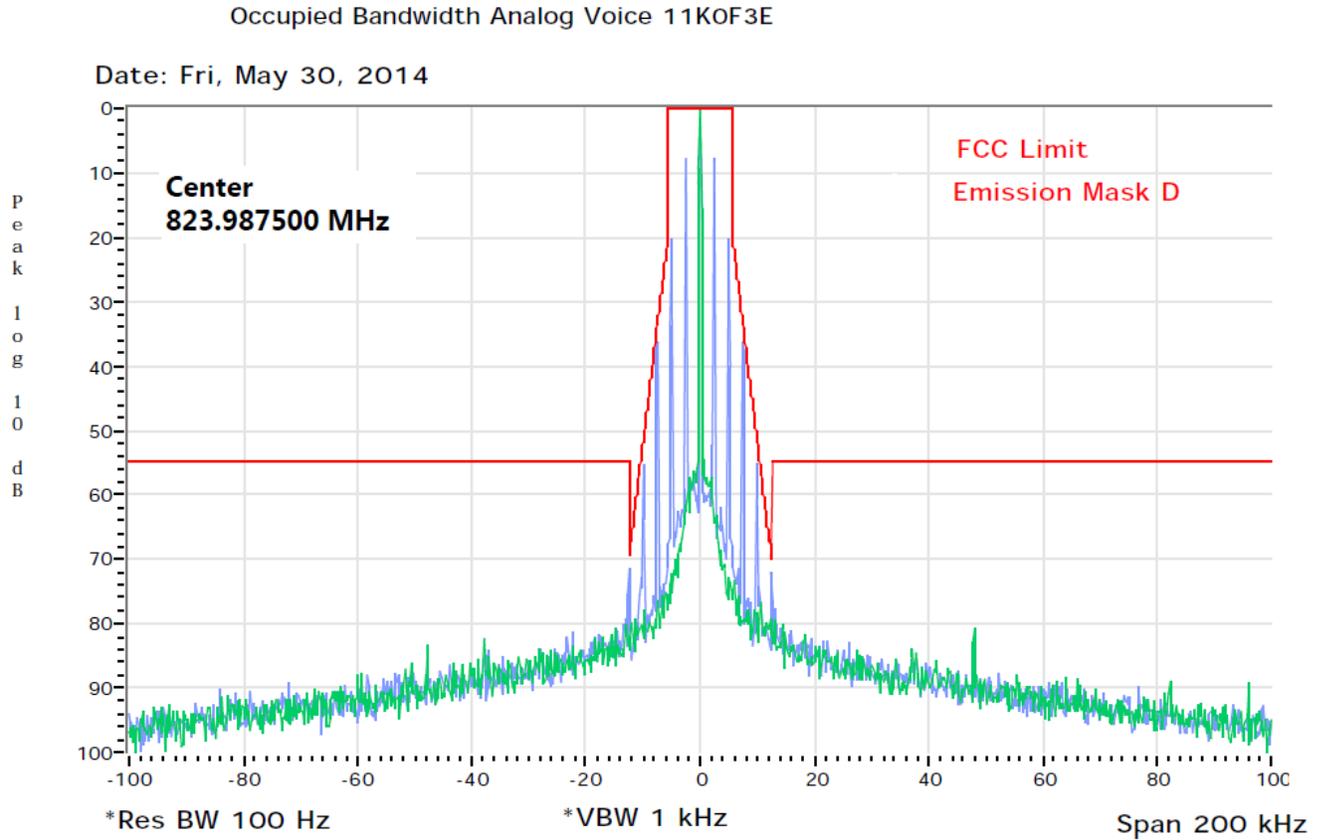


Frequency = 806.0125 MHz

Occupied Bandwidth Analog Voice 11K0F3E



Frequency = 823.9875 MHz



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

In this case, the maximum modulating frequency is 3.0 kHz with a 5.0 kHz deviation.

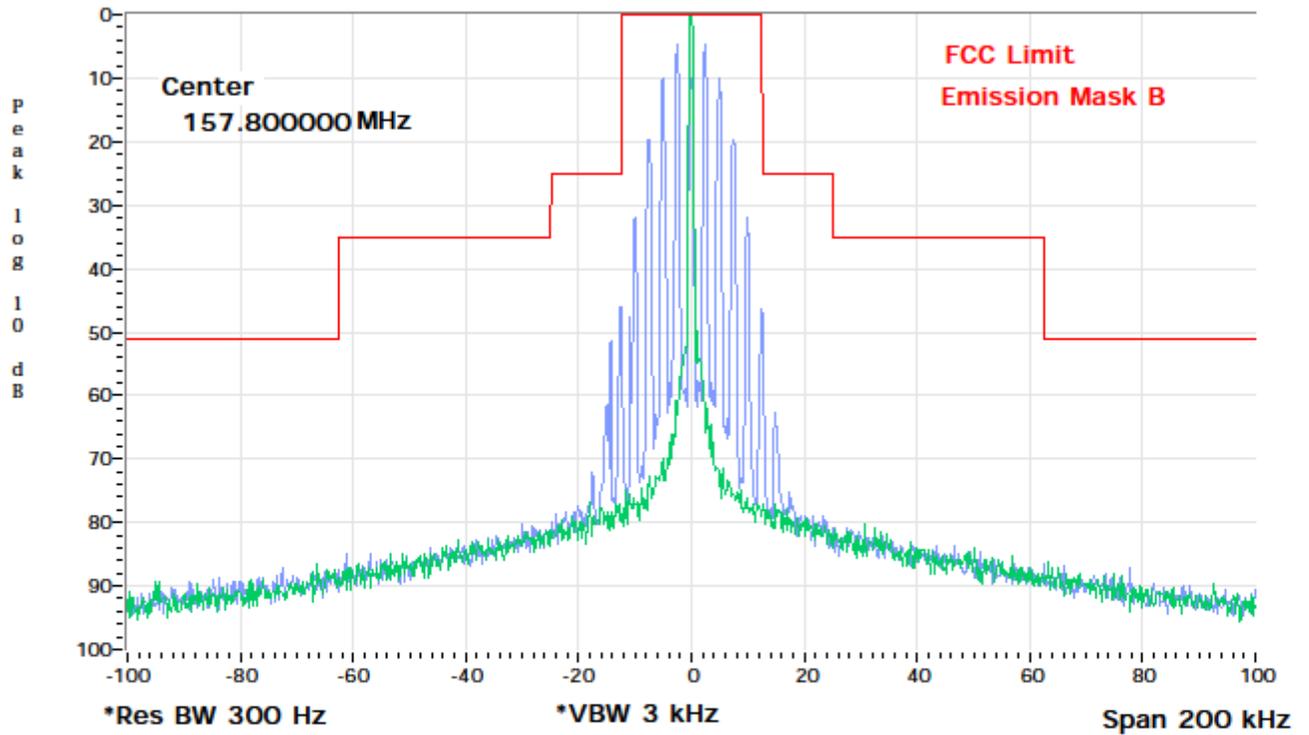
$$BW = 2(M+D) = 2*(3.0 \text{ kHz} + 5.0 \text{ kHz}) = 16 \text{ kHz} \Rightarrow 16K0$$

F3E portion of the designator indicates voice.

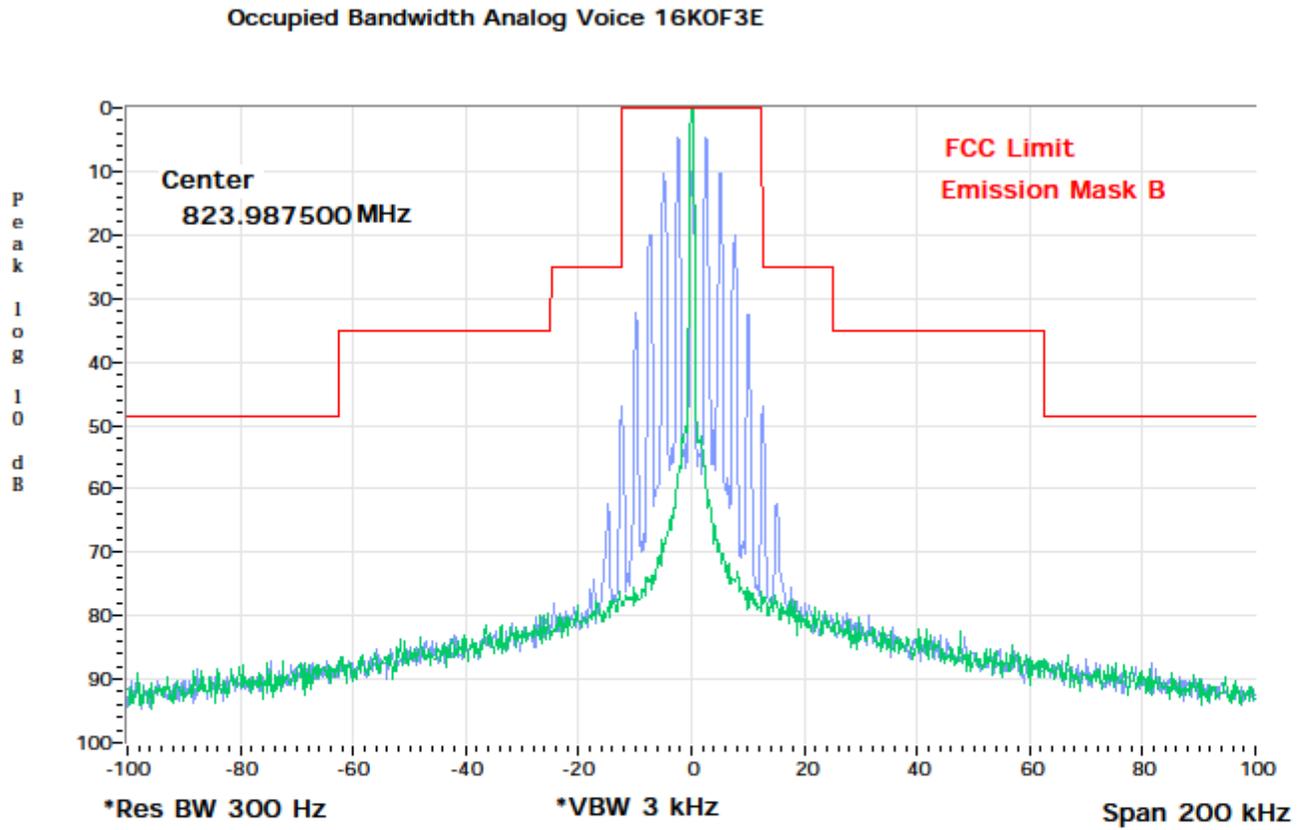
Therefore, the entire designator for 25 kHz channelization analog voice is 16K0F3E.

Frequency = 157.8 MHz (Rule Part 80)

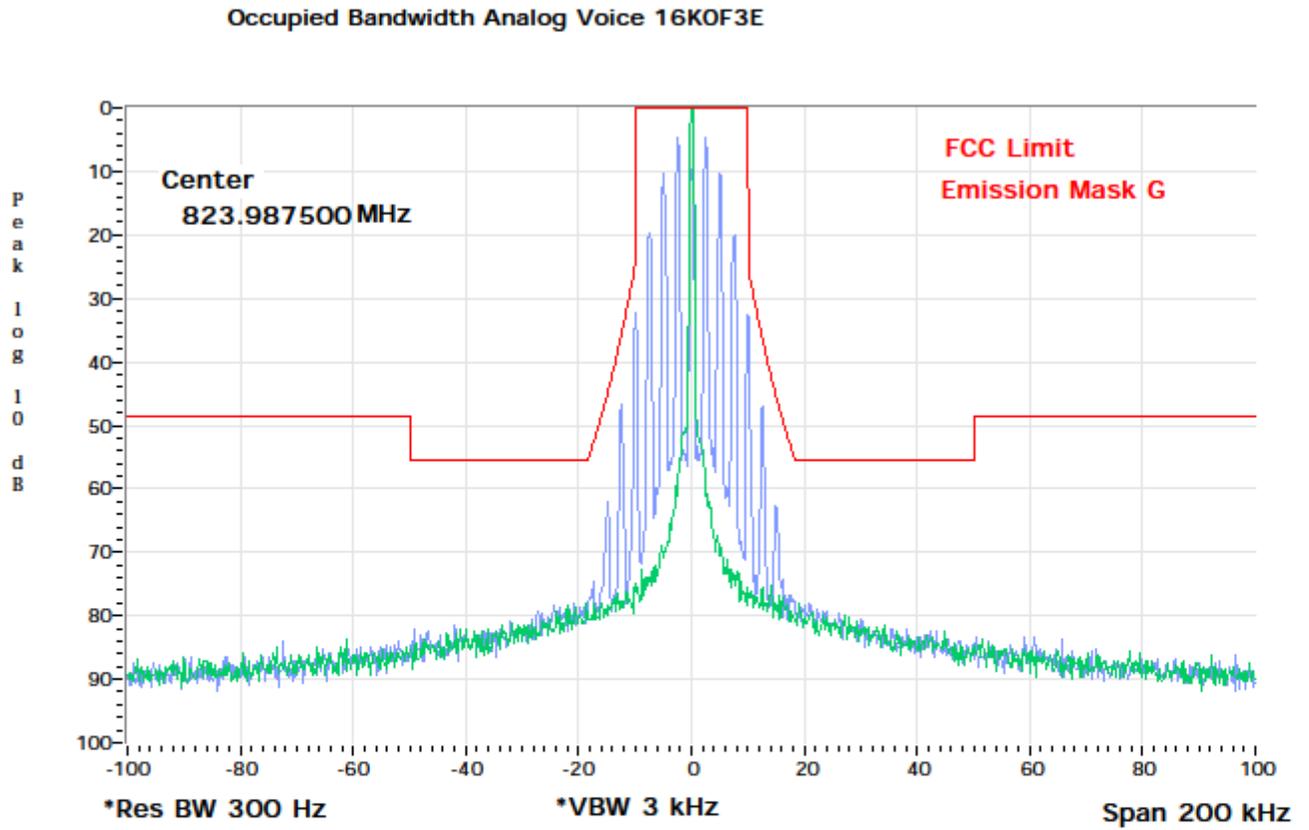
**Occupied Bandwidth Analog Voice 16K0F3E**



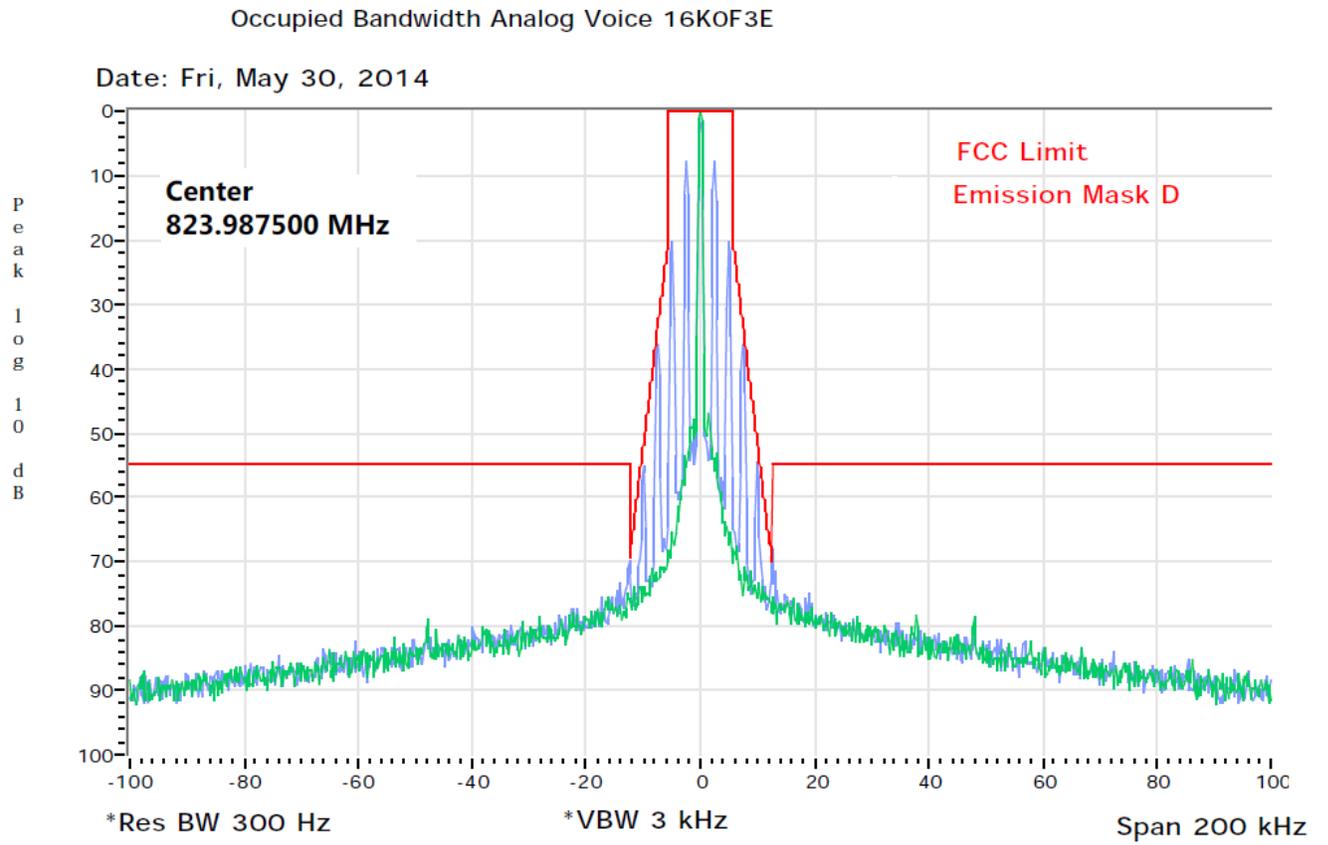
Frequency = 823.9875 MHz



Frequency = 823.9875 MHz



Frequency = 823.9875 MHz



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

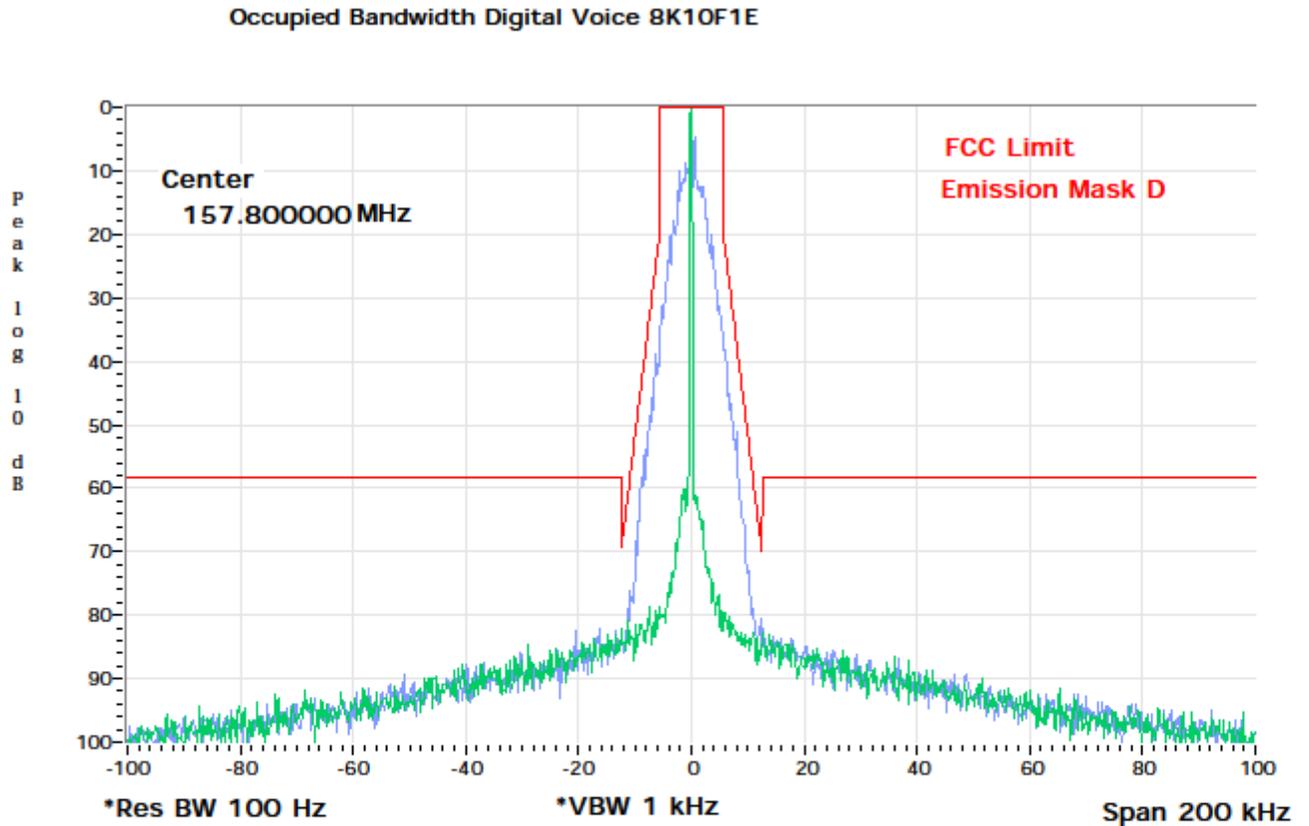
The 99% energy rule (title 47CFR 2.1049) was used for digital mode and is more accurate than Carson's rule. It basically states that 99% of the modulation energy falls within X kHz, in this case, 8.10 kHz.

Measurements were performed in accordance with TIA 102.CAAA Section 2.2.5.2. The emission mask was obtained from 47CFR 90.210.

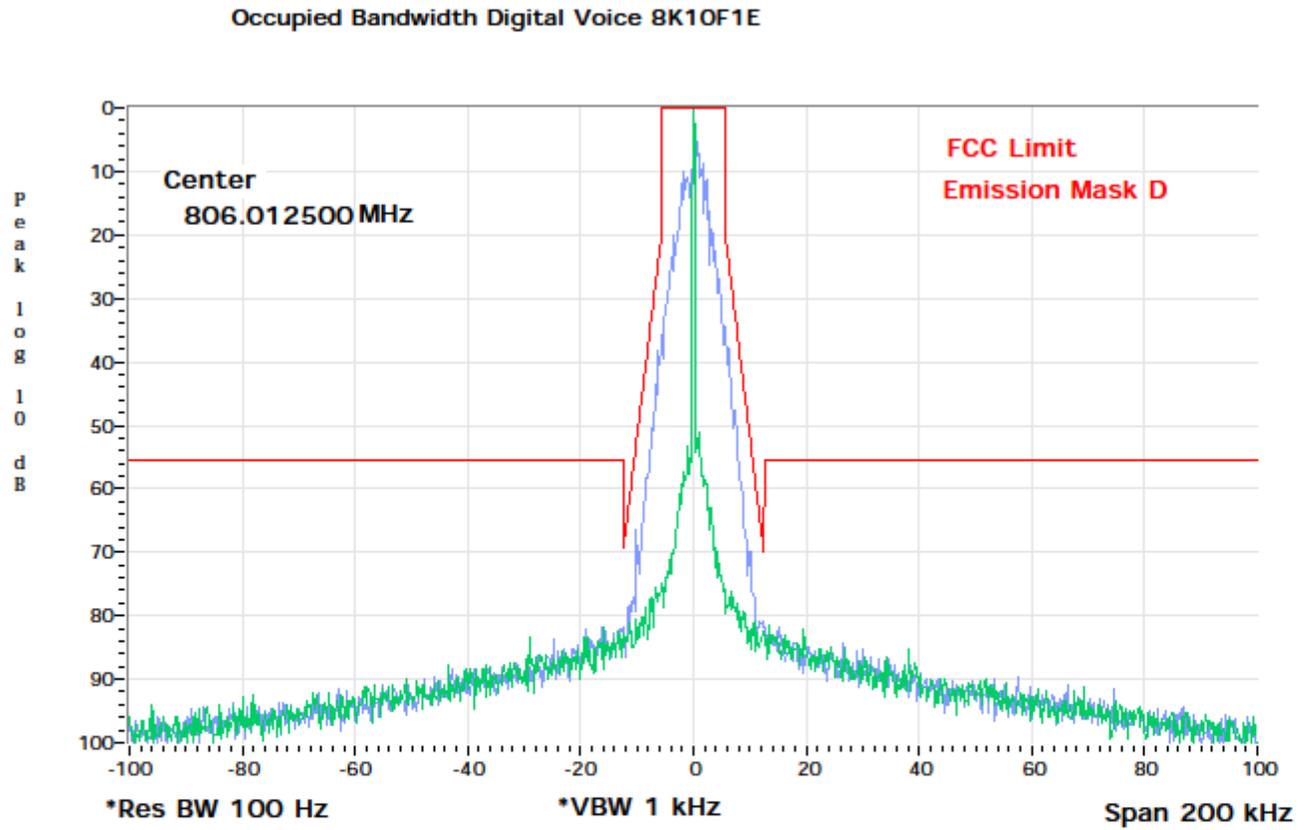
F1E portion of the designator indicates digital voice.

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

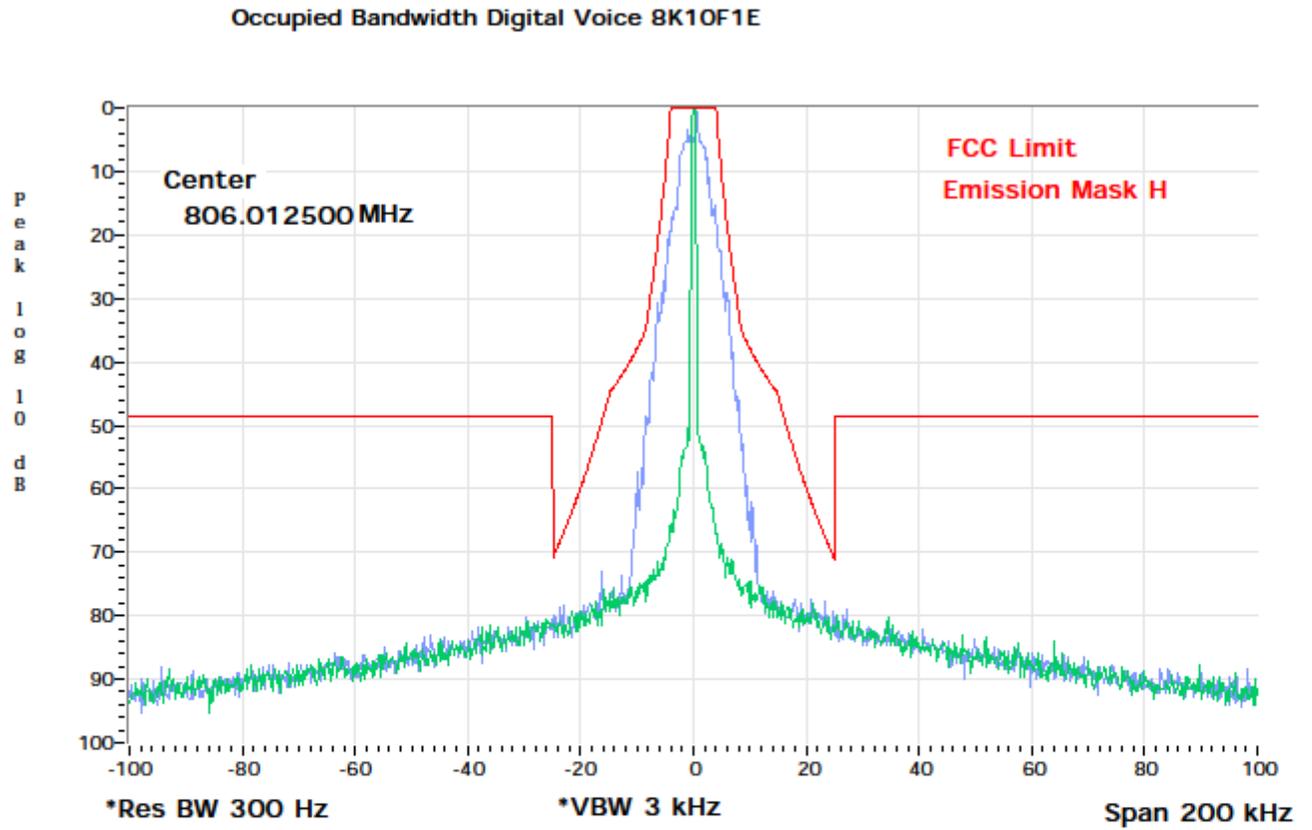
Frequency = 157.8 MHz



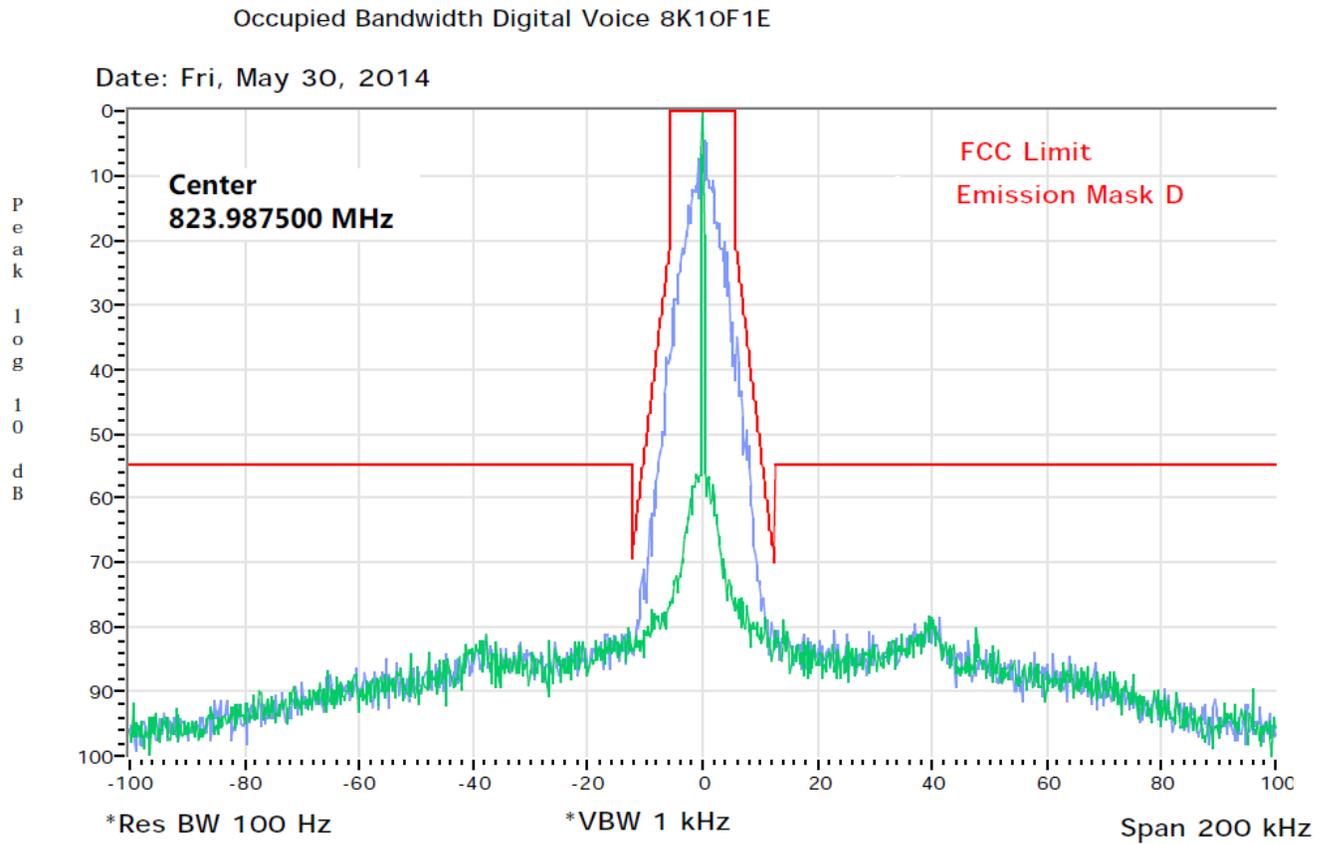
Frequency = 806.0125 MHz



Frequency = 806.0125 MHz



Frequency = 823.9875 MHz



**Digital APCO Mode (12.5 kHz Channelization, Digital Voice with encryption):  
Emission Designator 8K10F1E**

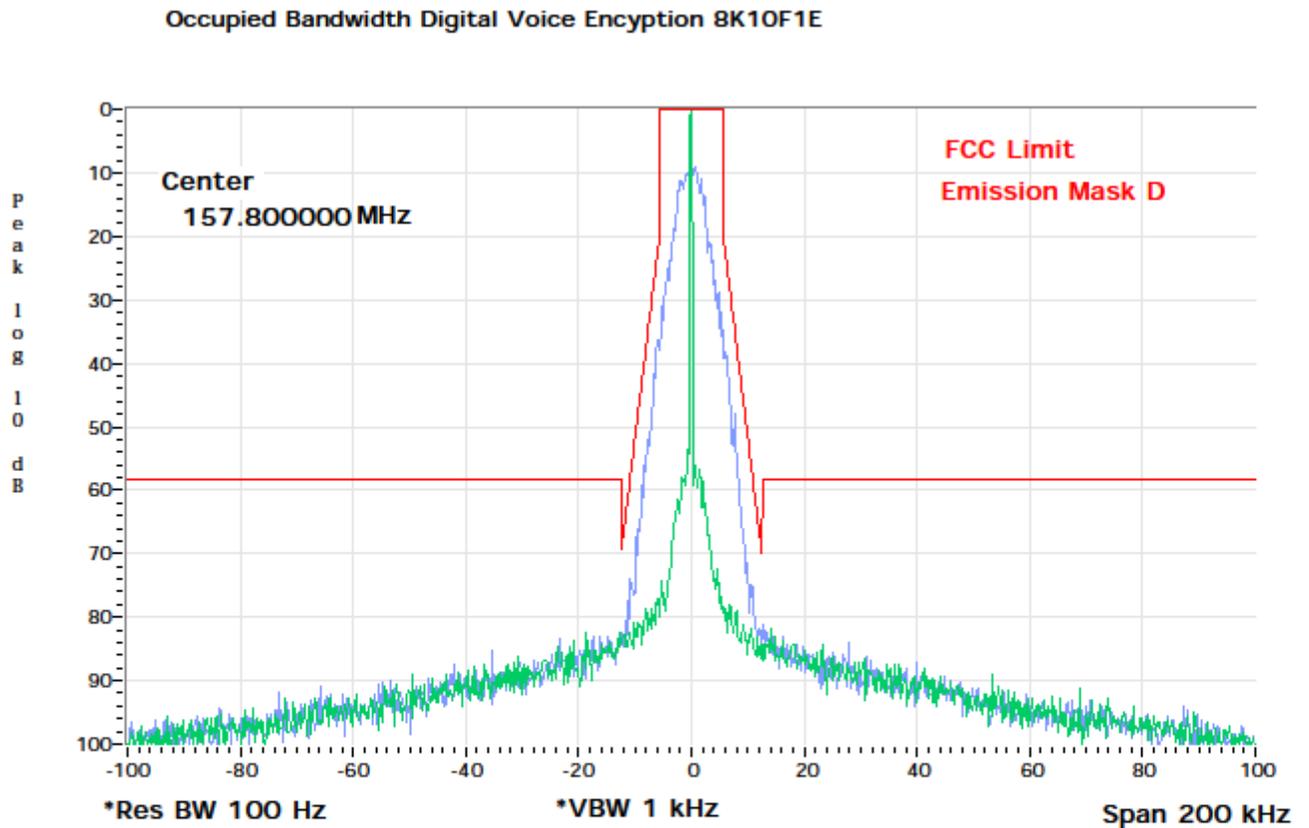
The 99% energy rule (title 47CFR 2.1049) was used for digital mode and is more accurate than Carson's rule. It basically states that 99% of the modulation energy falls within X kHz, in this case, 8.10 kHz.

Measurements were performed in accordance with TIA102.CAAASection 2.2.5.2. The emission mask was obtained from 47CFR 90.210.

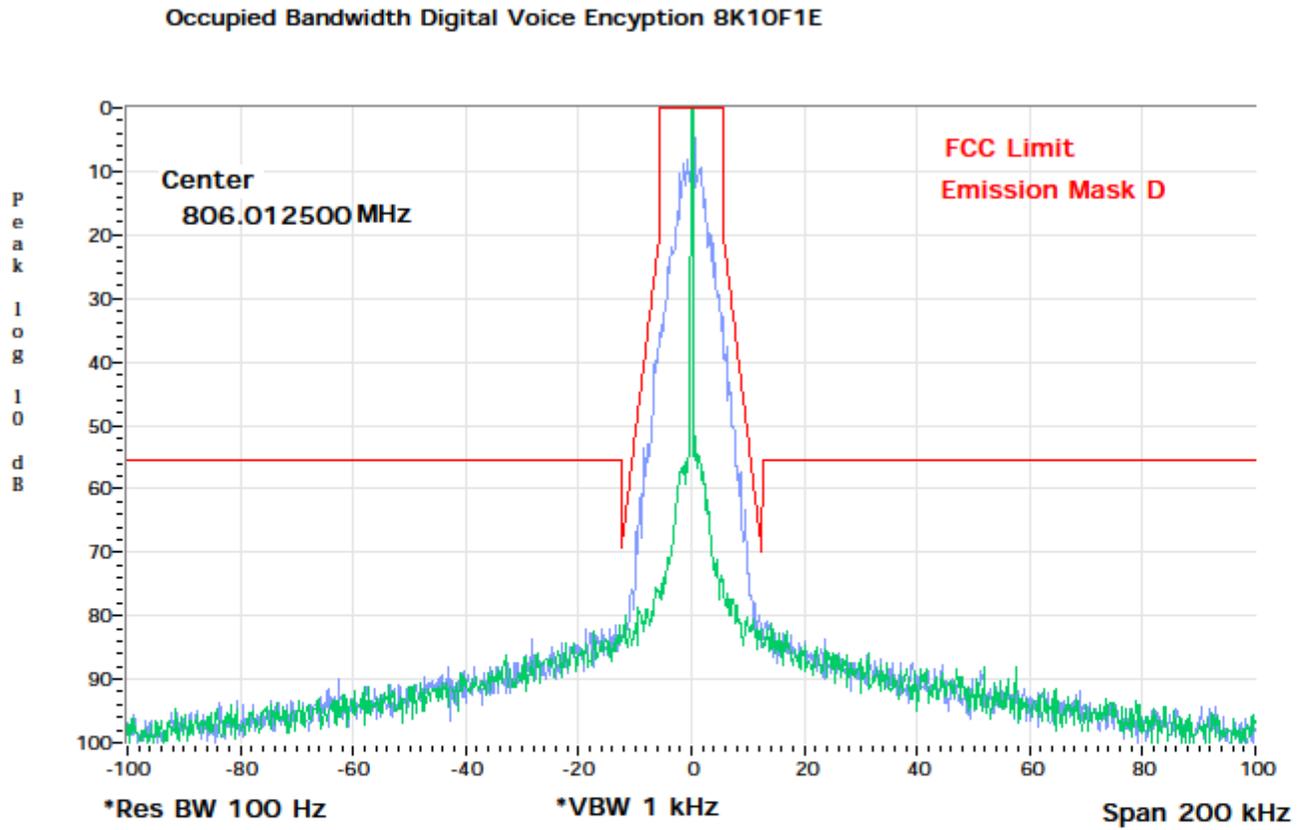
F1E portion of the designator indicates digital voice.

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

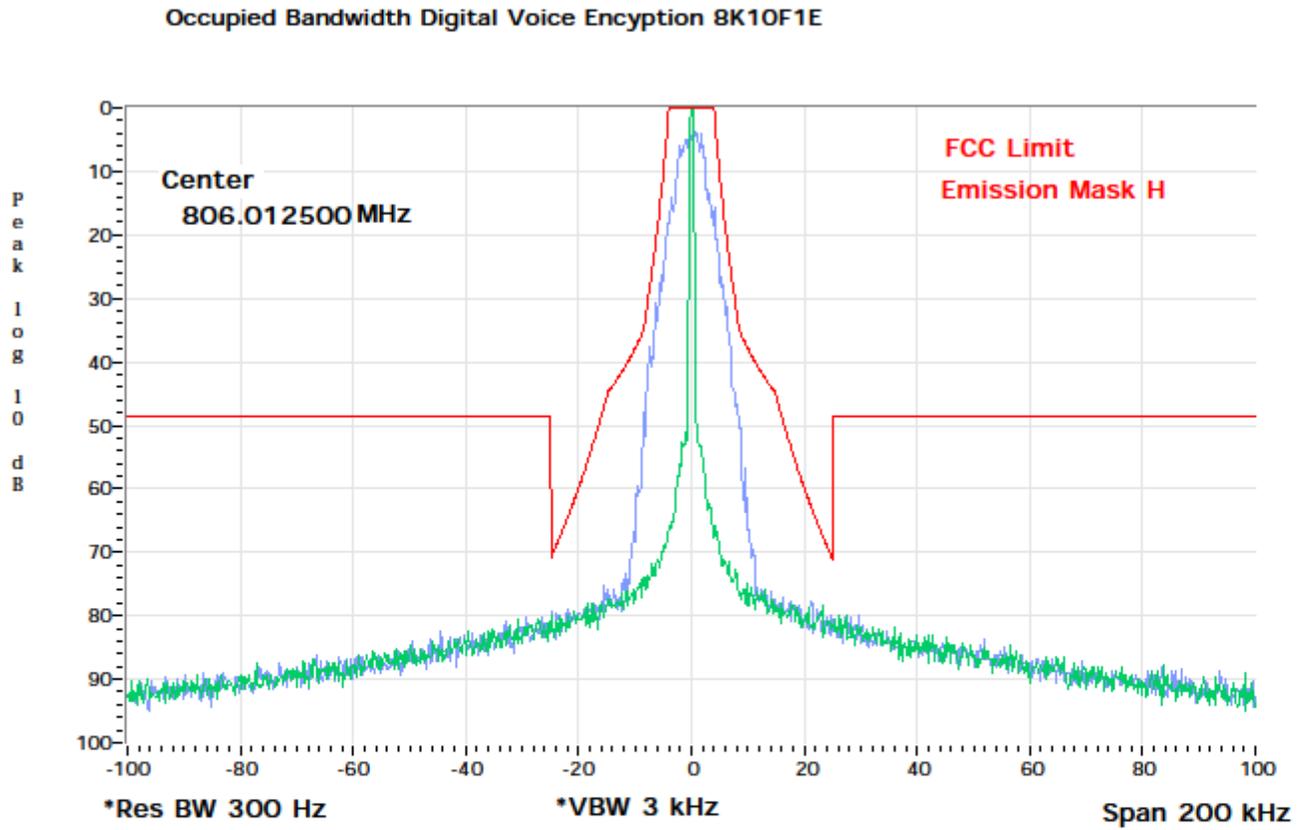
Frequency = 157.8 MHz



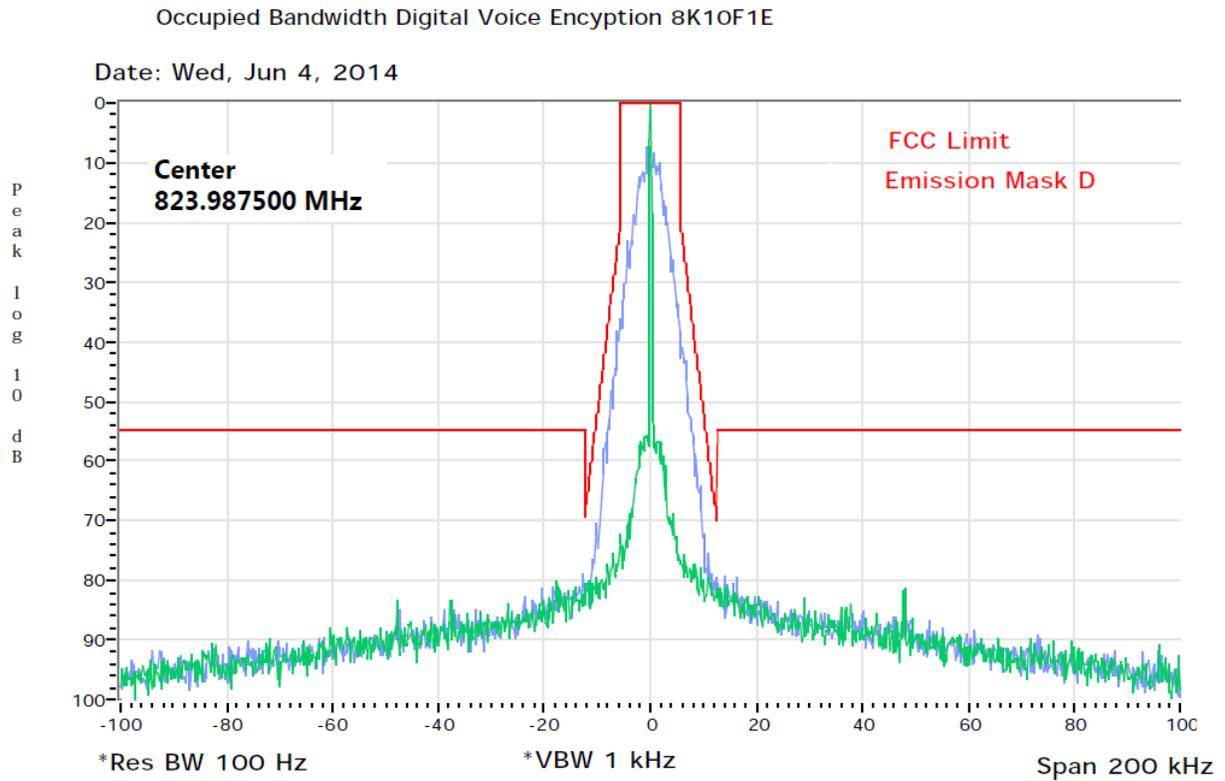
Frequency = 806.0125 MHz



Frequency = 806.0125 MHz



Frequency = 823.9875 MHz



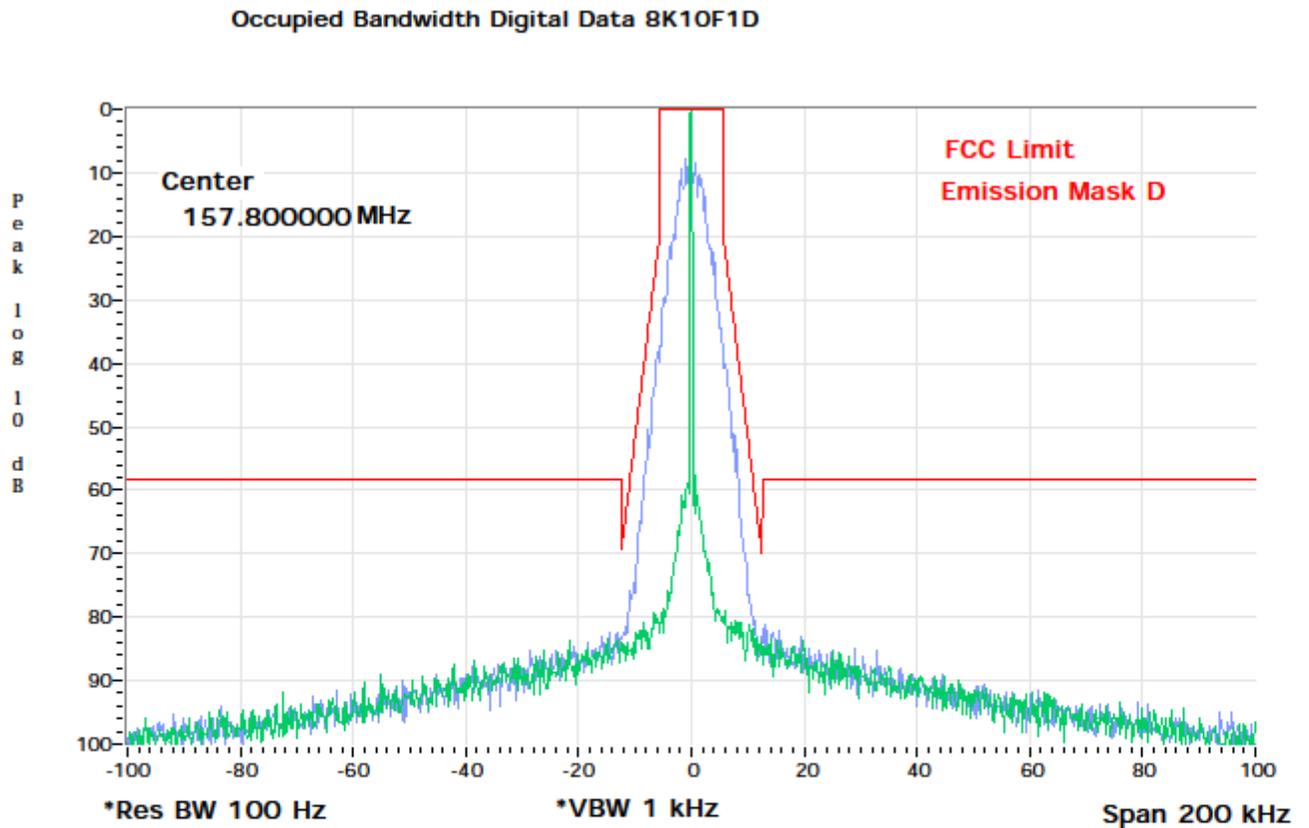
**Digital APCO Mode (12.5 kHz Channelization, Digital Data):  
Emission Designator 8K10F1D**

The 99% energy rule (title 47CFR 2.1049) 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 TIA102.CAAASection 2.2.5.2. The emission mask was obtained from 47CFR 90.210.

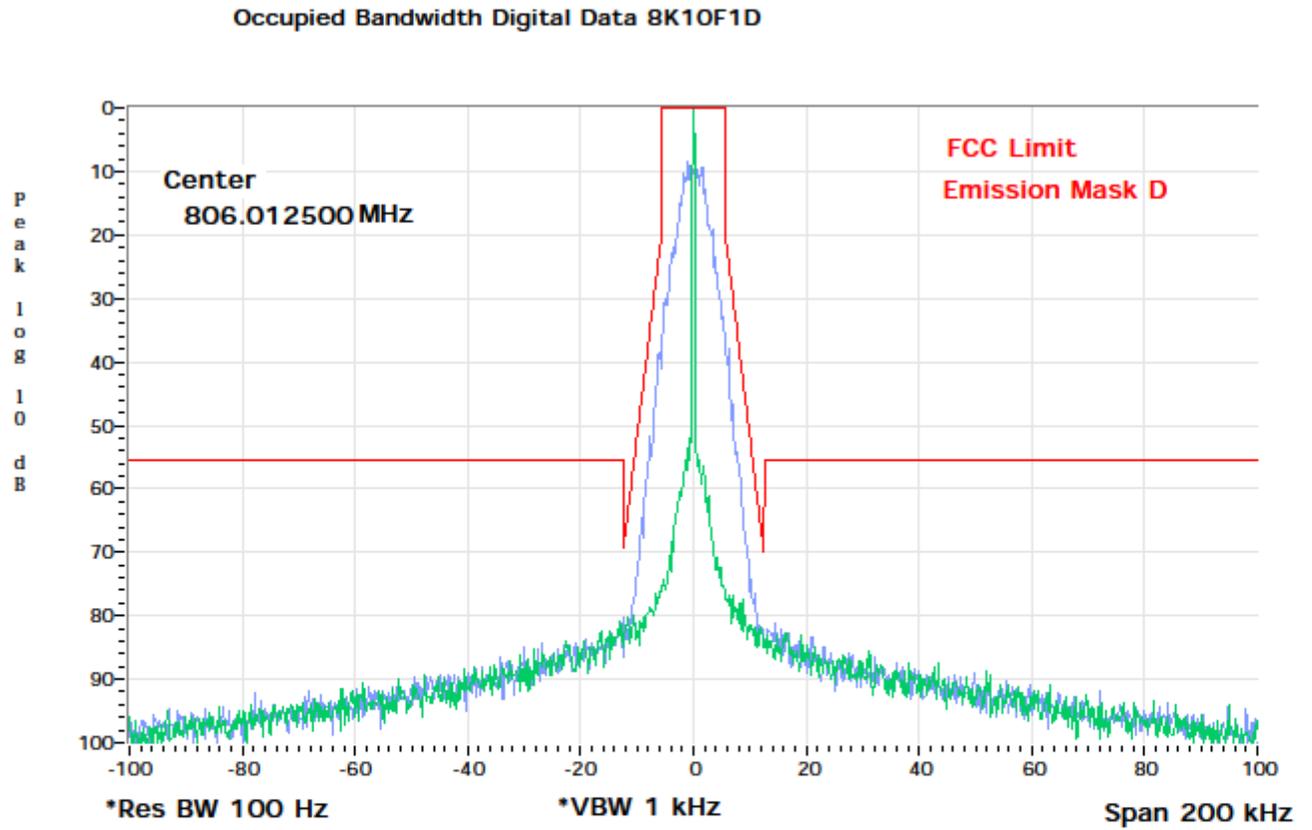
F1D portion of the designator indicates digital data.

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

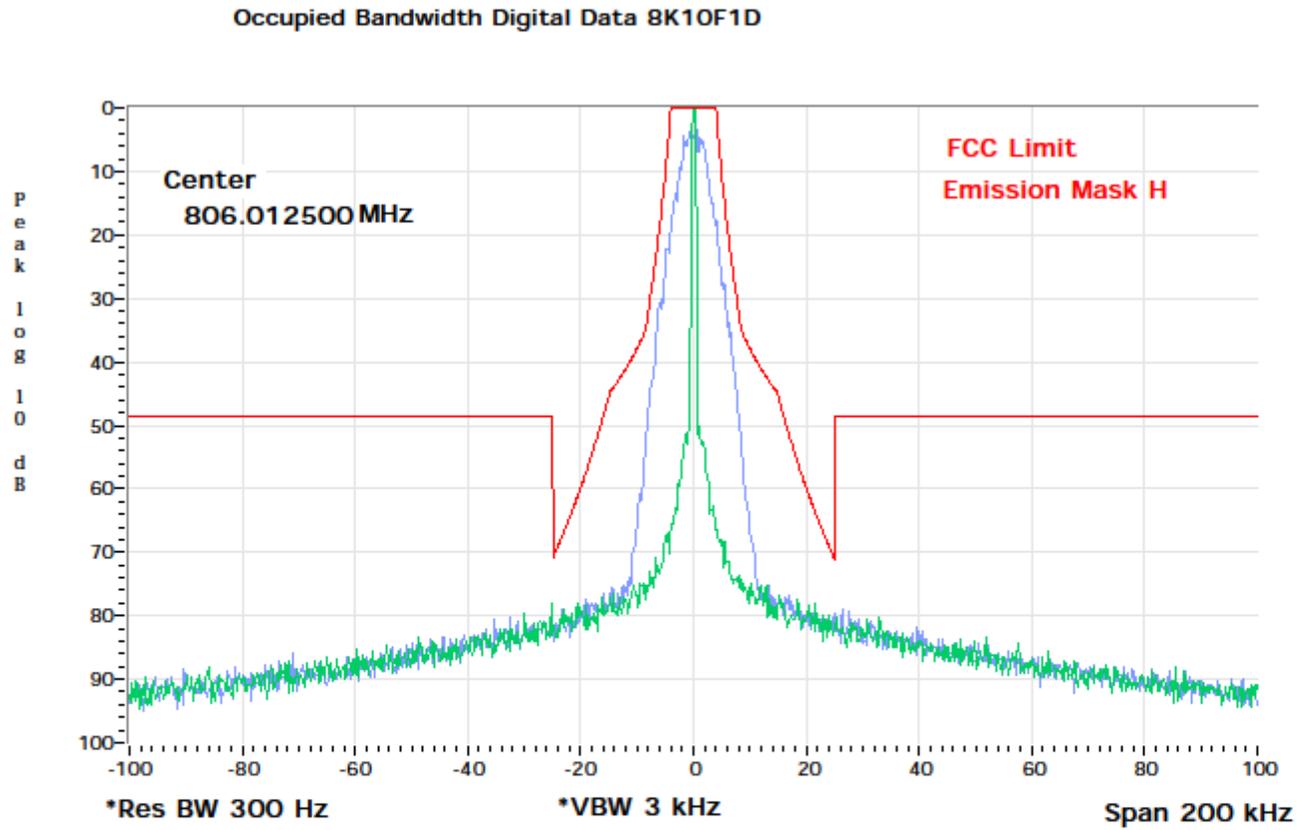
Frequency = 157.8 MHz



Frequency = 806.0125 MHz



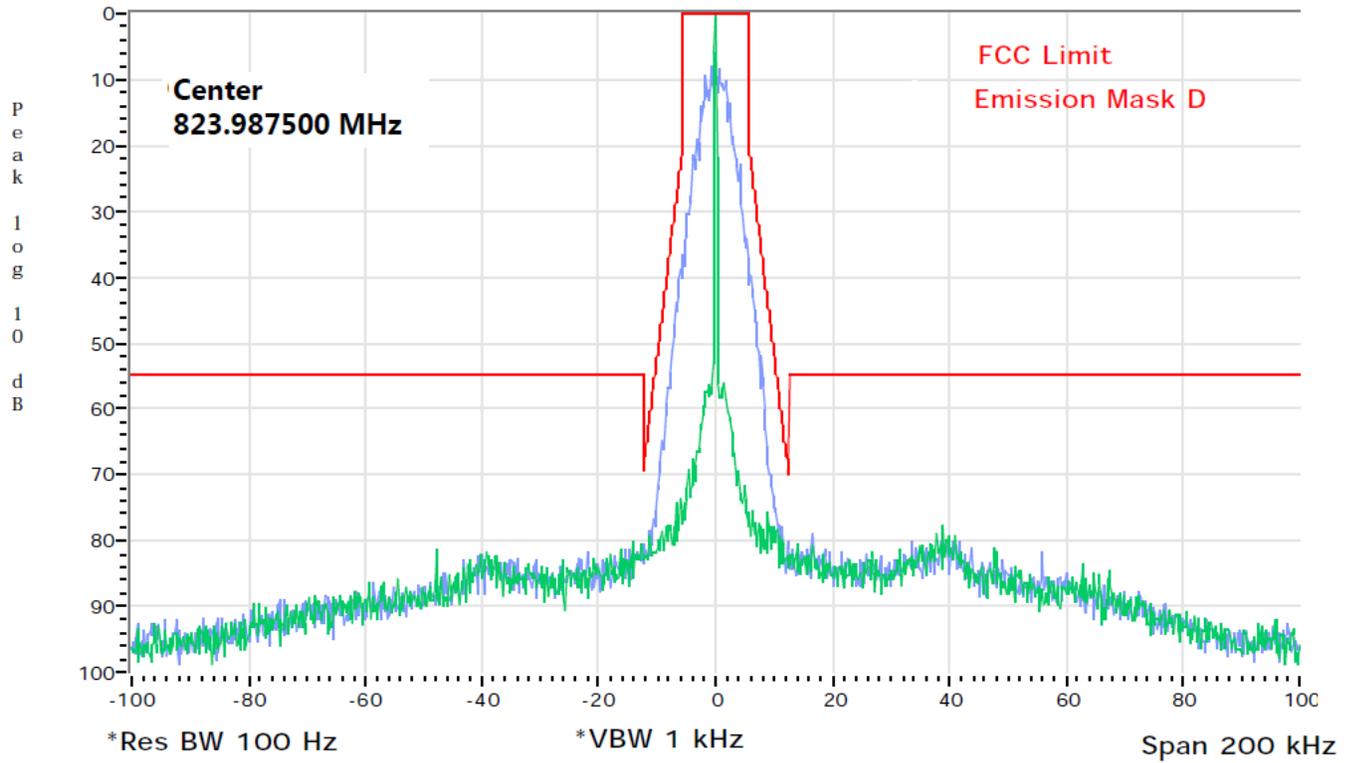
Frequency = 806.0125 MHz



Frequency = 823.9875 MHz

Occupied Bandwidth Digital Data 8K10F1D

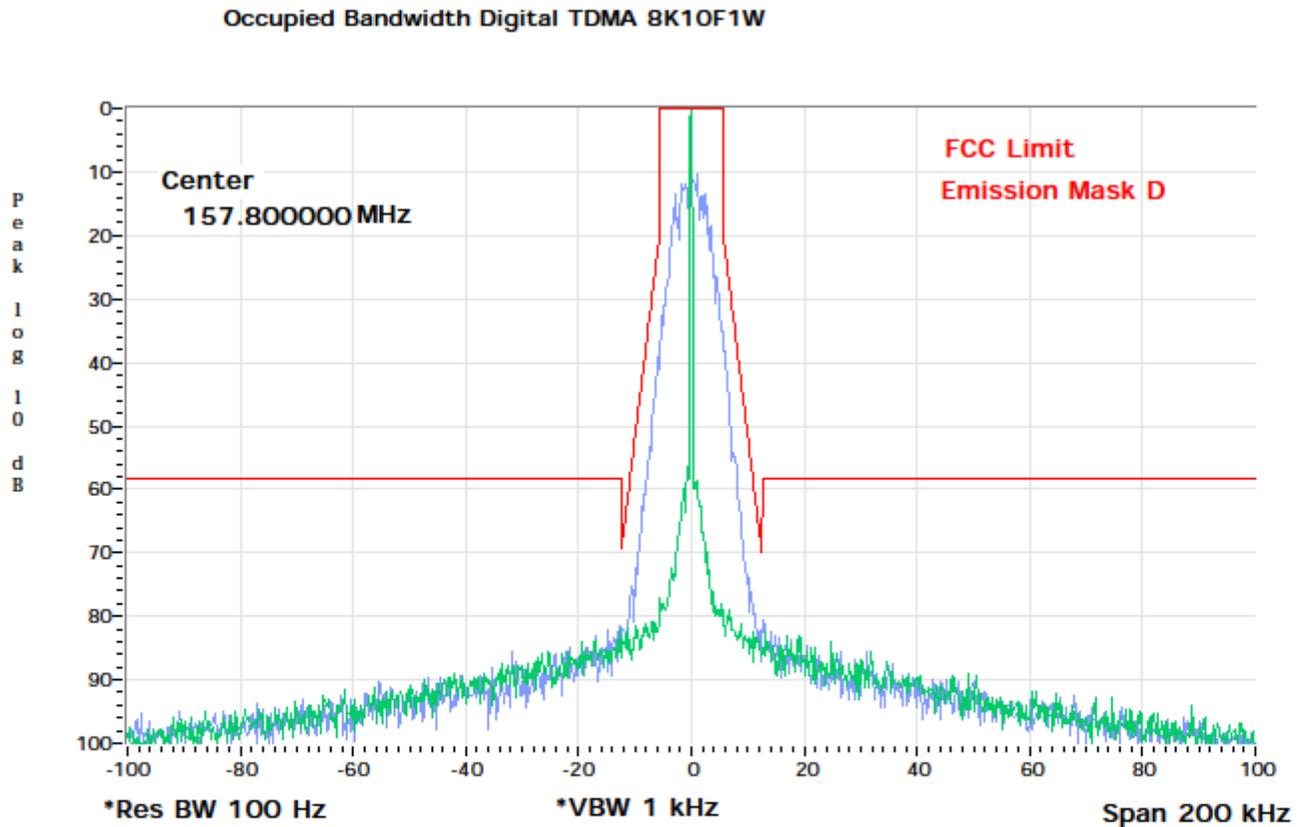
Date: Fri, May 30, 2014



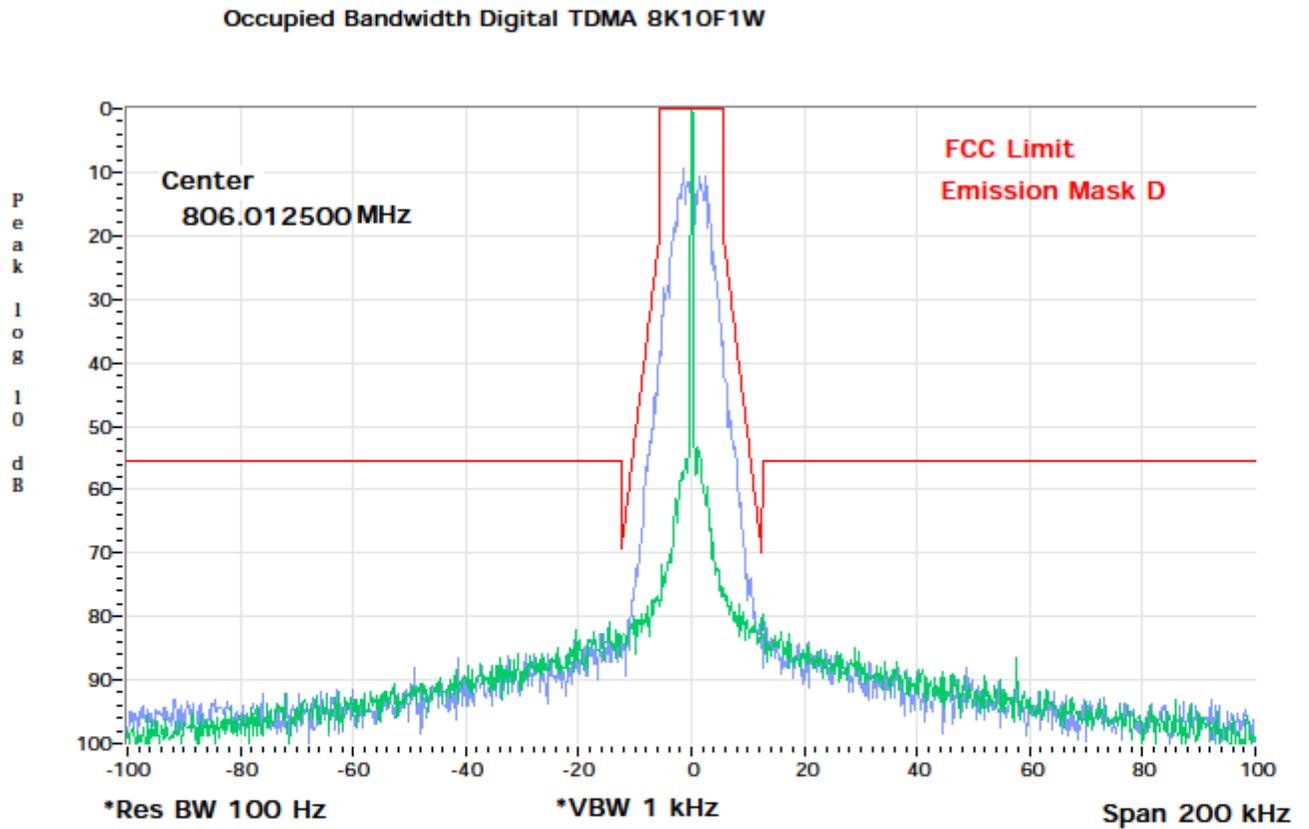
**Digital APCO TDMA Mode (12.5 kHz Channelization, Digital TDMA 6.25 channelization equivalent):  
Emission Designator 8K10F1W**

The 99% energy rule (title 47CFR 2.1049) 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 TIA102.CAAASection 2.2.5.2. The emission mask was obtained from 47CFR 90.210(e). F1W portion of the designator indicates digital TDMA. Therefore, the entire designator for 12.5 kHz channelization digital TDMA is 8K10F1W.

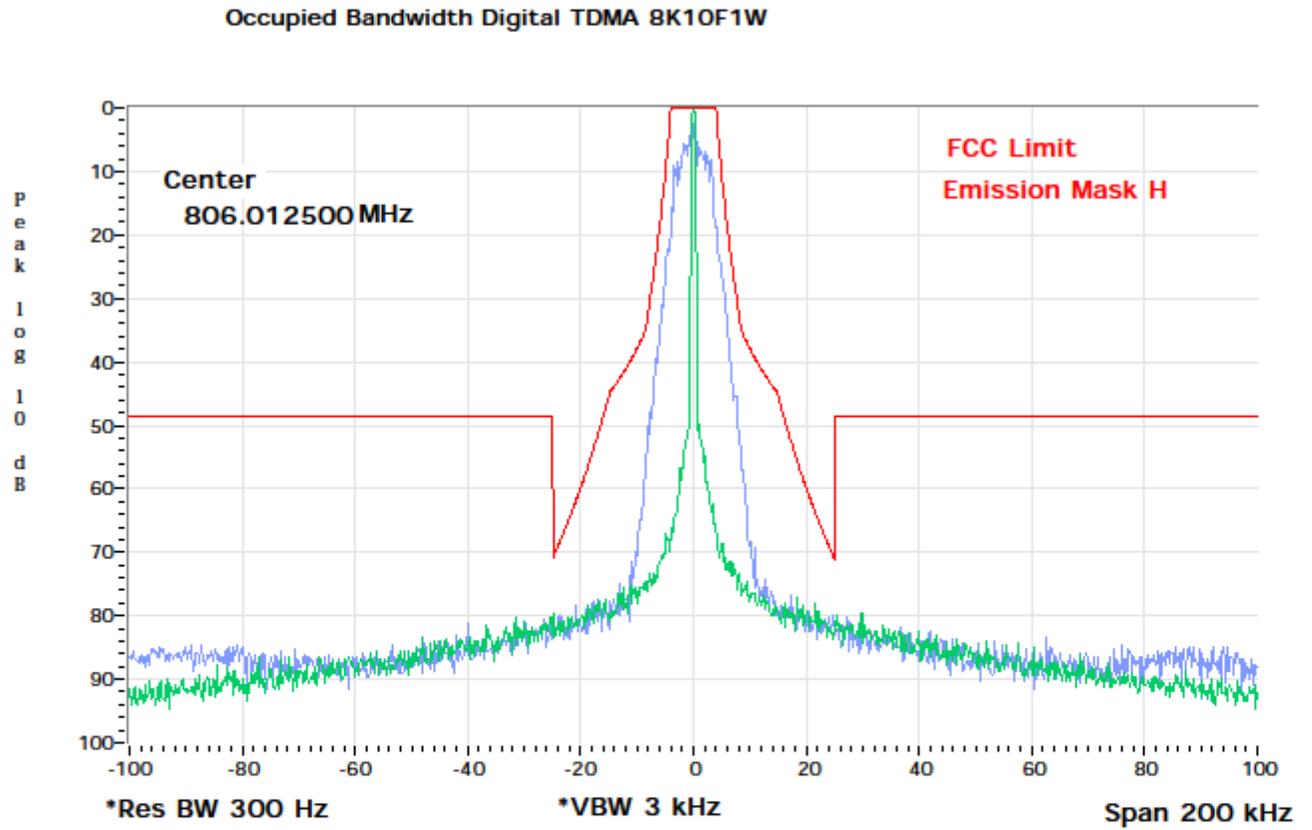
Frequency = 157.8 MHz



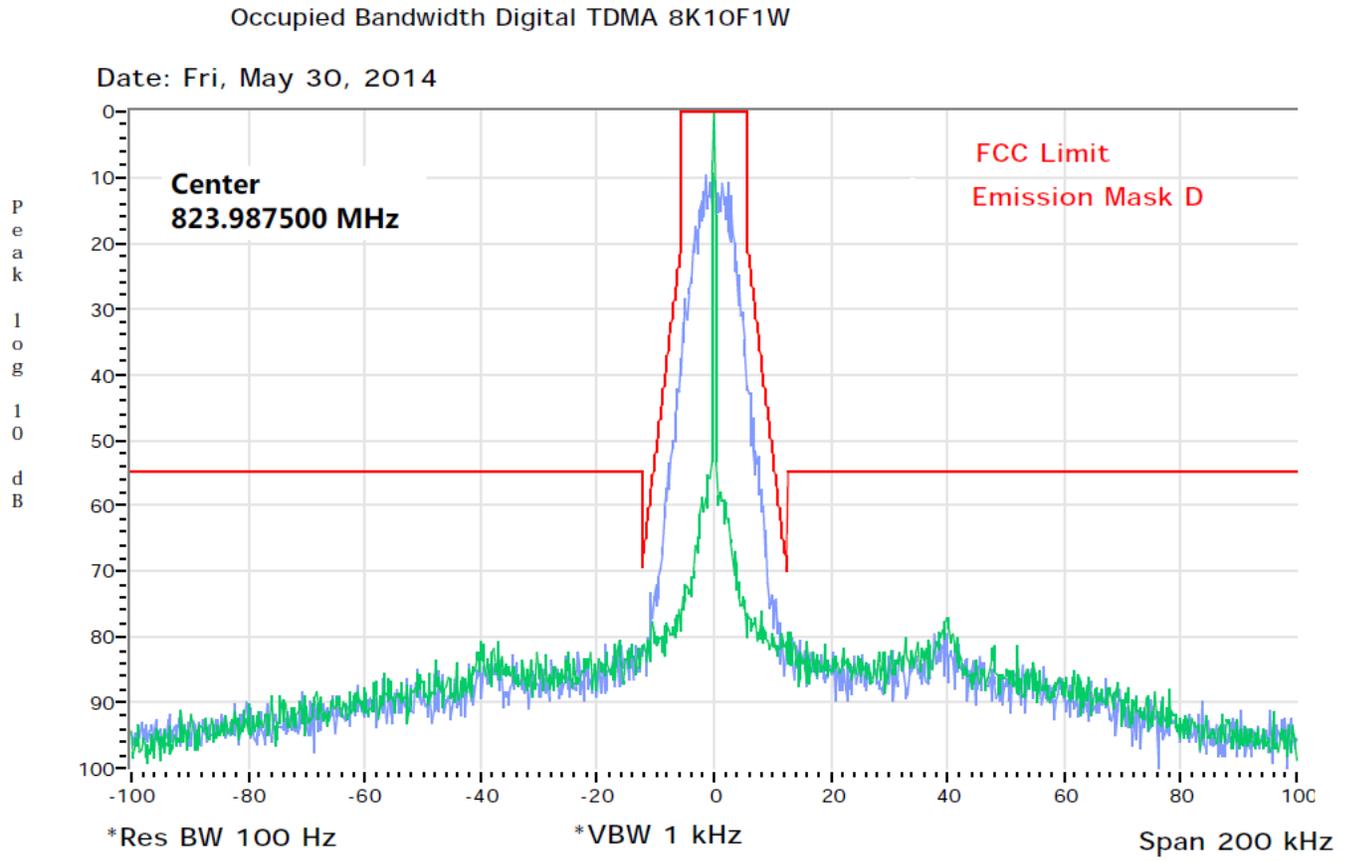
Frequency = 806.0125 MHz



Frequency = 806.0125 MHz



Frequency = 823.9875 MHz



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

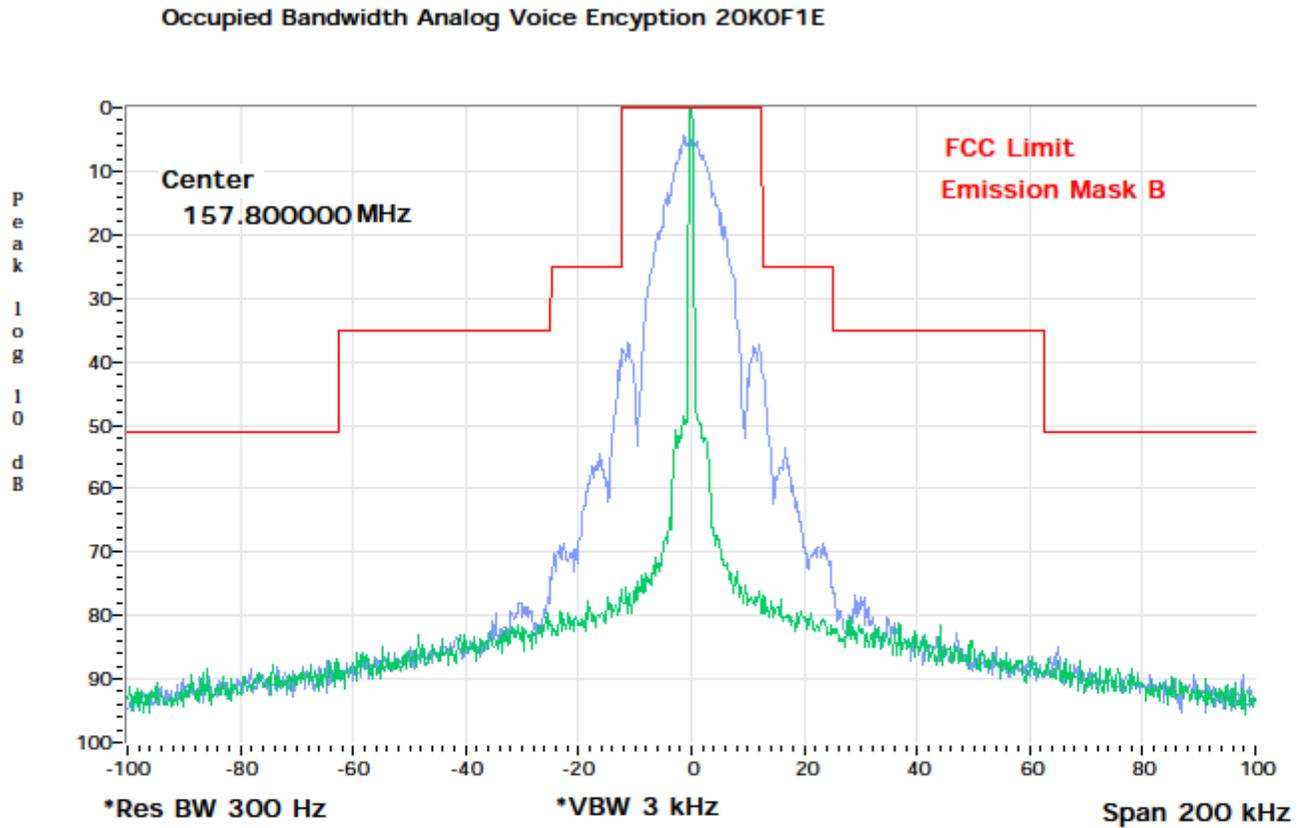
In this case, the maximum modulating frequency is 6 kHz with a 4 kHz deviation.

$$BW = 2(M+D) = 2*(6 \text{ kHz} + 4 \text{ kHz}) = 20 \text{ kHz} = \rightarrow 20K0$$

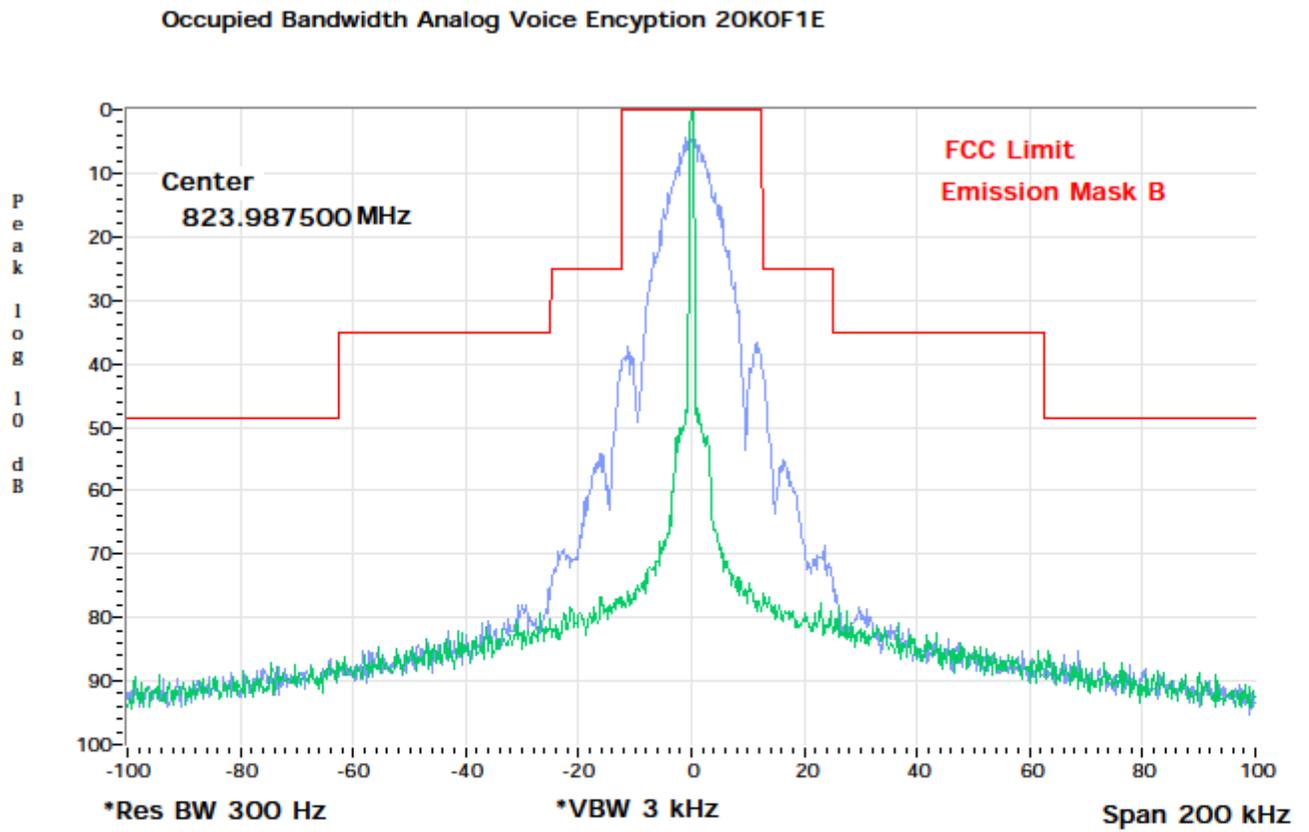
F1E portion of the designator indicates digital voice.

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

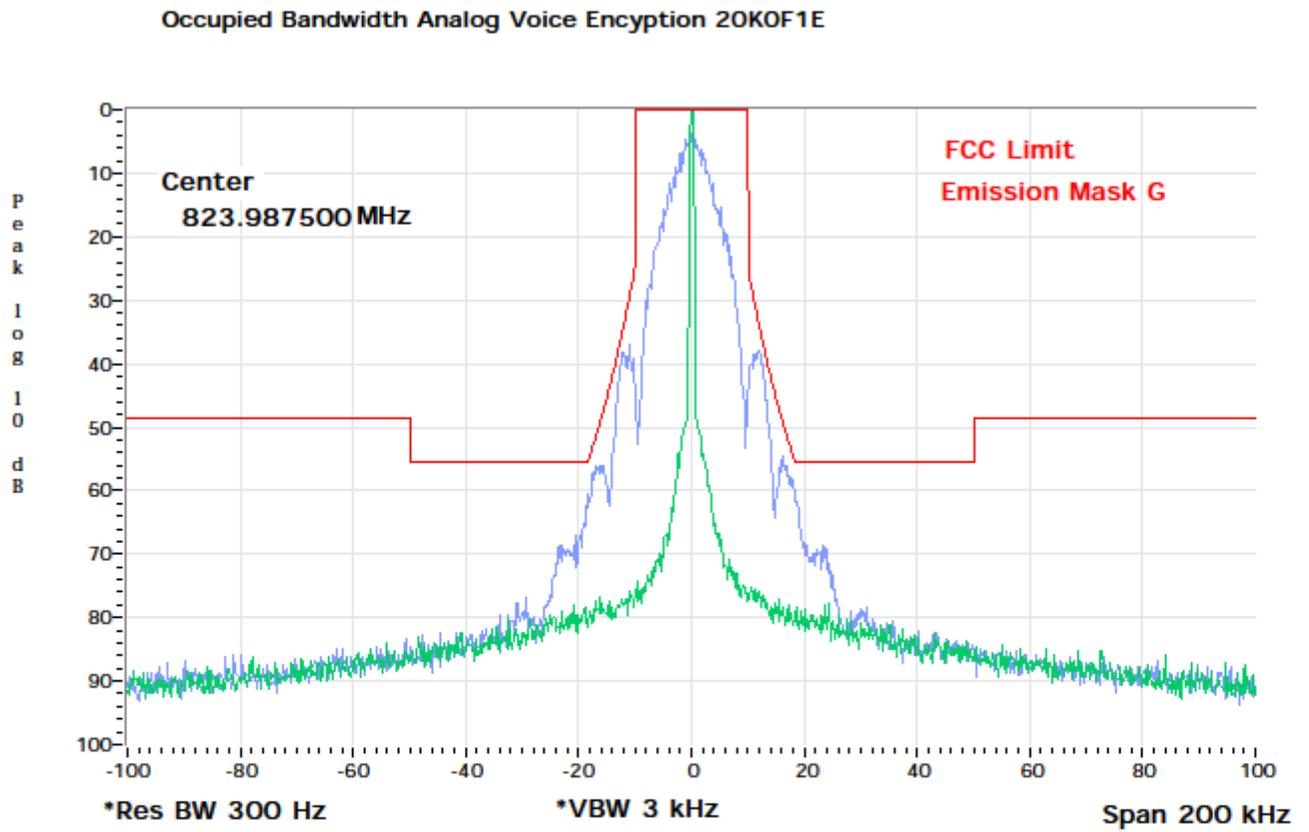
Frequency = 157.8 MHz (Rule part 74)



Frequency = 823.9875 MHz

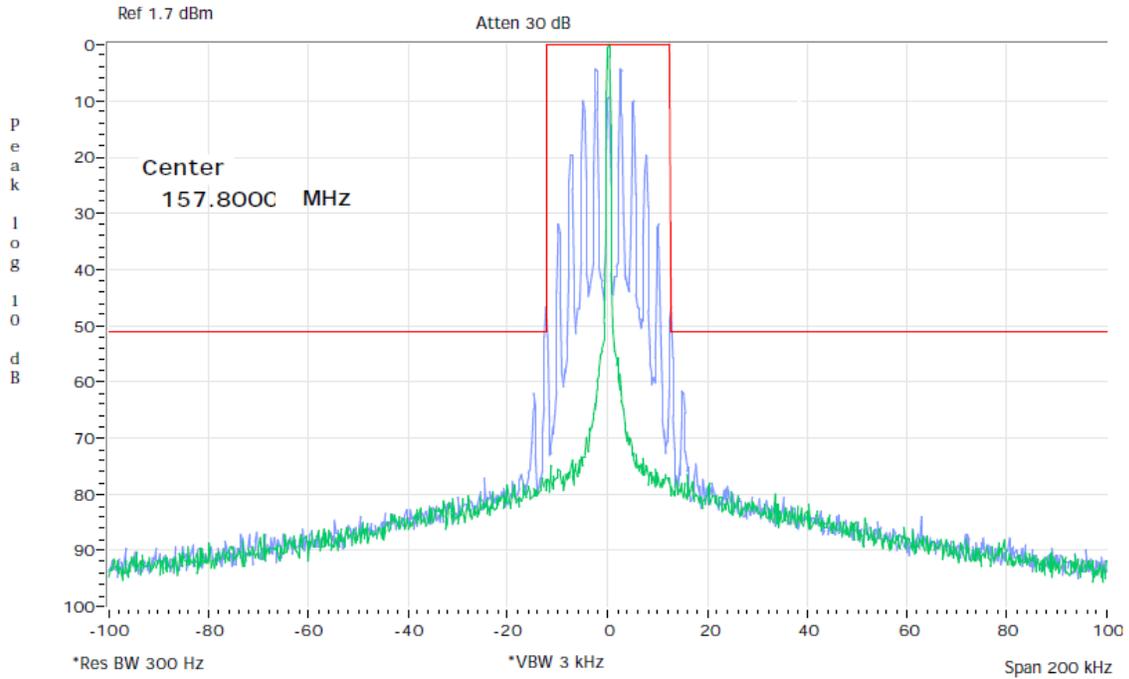


Frequency = 823.9875 MHz



**Occupied Bandwidth Data** Analog Voice 20Khz: 16K0F3E (Part 22)

Frequency = 157.8000MHz Channel Spacing = 20 kHz

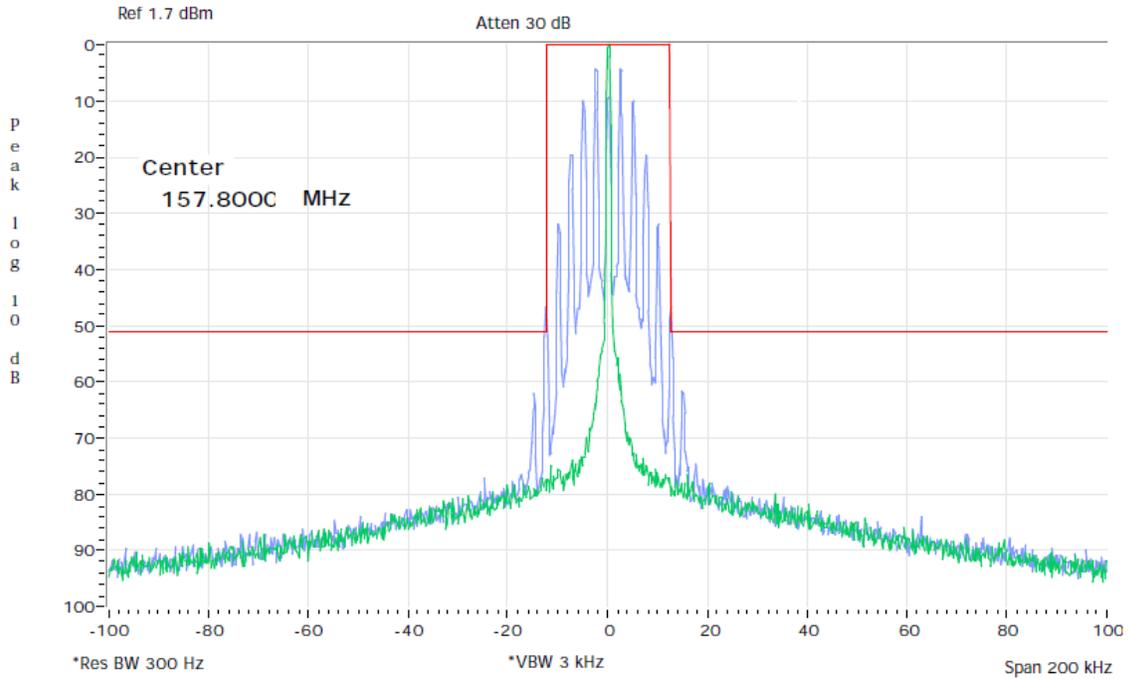


Res BW	Max Amplitude
30KHz	-68dBc

\* Note: Compliance to section 22.359 (b), for frequency below and above  $\pm 70$  kHz, peak measurements are corrected by 20 dB to account for resolution bandwidth of 30 kHz.

**Occupied Bandwidth Data** Analog Voice 20KHz: 20K0F1E (Part 22)

Frequency = 157.8000MHz Channel Spacing = 20 kHz



Res BW	Max Amplitude
30KHz	-68dBc

\* Note: Compliance to section 22.359 (b), for frequency below and above  $\pm 70$  kHz, peak measurements are corrected by 20 dB to account for resolution bandwidth of 30 kHz.

### Exhibit 6C

#### 3. Transmit Radiated Spurious Emissions

**Equipment under test:** H97TGD9PW1AN S/N: CAI131VFDJ  
H97TGD9PW1AN S/N: CAI131Y2FL  
H97TGD9PW1AN S/N: 655CPX0912

**Measurement Criteria** **Compliance Testing**  
Radiated Emissions FCC Part 90

**Results Summary:** EUT meets the test requirements

**Test Configurations:** Radiated Spurious Emissions TX Frequencies: 764.0125 MHz, 764.0875MHz, 768.0125 MHz, 769.0125 MHz, 769.0875 MHz, 804.9125 MHz, 805.9875 MHz, 806.0125MHz, 823.9875MHz, 859.8875 MHz 869.8875MHz, 136.0125MHz, 151.0125 MHz, 157.8 MHz, 173.225 MHz, 173.9875MHz with 12.5kHz channel spacing at high power

Radiated Spurious Emissions TX Frequencies: 764.0125 MHz, 764.0875MHz, 768.0125 MHz, 769.0125 MHz, 769.0875 MHz, 804.9125 MHz, 805.9875 MHz, 806.0125MHz, 823.9875MHz, 859.8875 MHz 869.8875MHz, 136.0125MHz, 151.0125MHz, 157.8MHz, 173.225 MHz, 173.9875MHz with 25kHz channel spacing at high power

Radiated Spurious Emissions 1559 – 1610 (GNSS)

Motorola Solutions

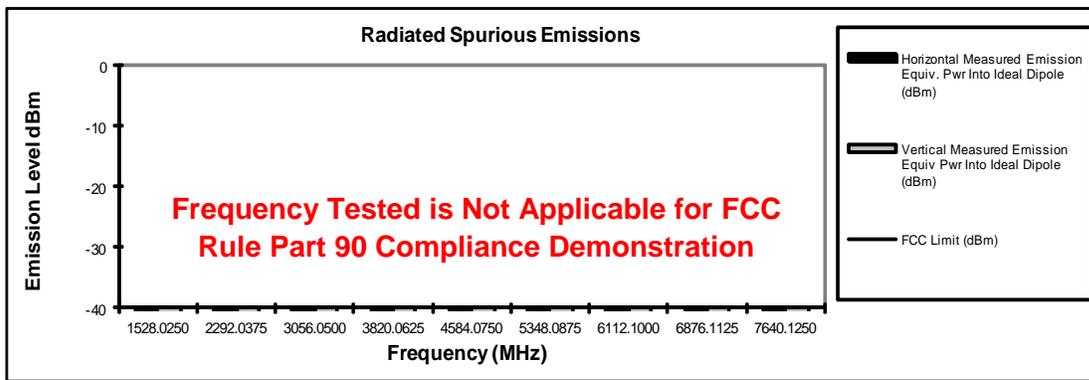
Transmit Radiated Spurious Emissions: H97TGD9PW1AN

Tx Power: 2.99 Watts

764.0125 MHz

Channel Spacing 12.5kHz | S/N CAI131VFDJ

Frequency (MHz)	FCC 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	*	*



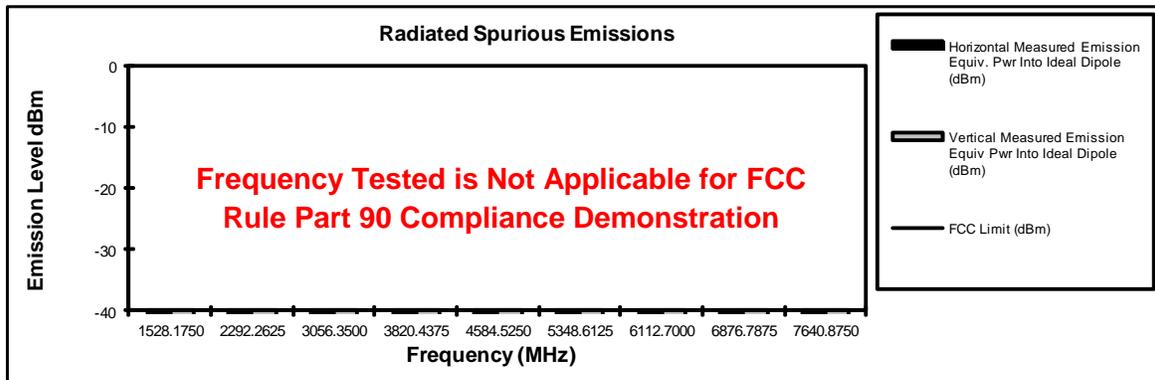
**Transmit Radiated Spurious Emissions: H97TGD9PW1AN**

**Tx Power: 2.99 Watts**

**764.0875 MHz**

**Channel Spacing 12.5kHz | S/N 655CPX0912**

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



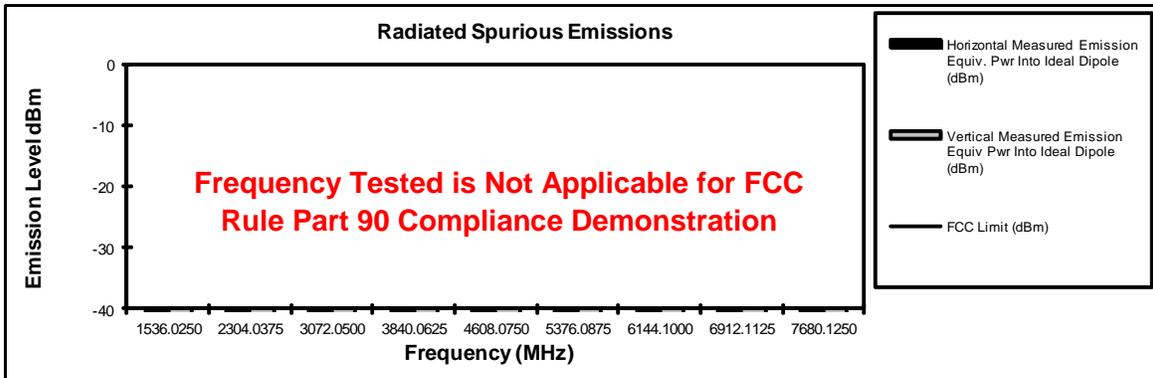
**Transmit Radiated Spurious Emissions: H97TGD9PW1AN**

**Tx Power: 2.99 Watts**

**768.0125 MHz**

**Channel Spacing 12.5kHz | S/N 655CPX0912**

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1536.0250	-20	*	*
2304.0375	-20	*	*
3072.0500	-20	*	*
3840.0625	-20	*	*
4608.0750	-20	*	*
5376.0875	-20	*	*
6144.1000	-20	*	*
6912.1125	-20	*	*
7680.1250	-20	*	*



\* Indicates the spurious emission could not be detected due to noise limitations or ambients.  
 Test Period: 1/20/2015  
 Test Date: 1/20/2015  
 The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.  
 Fort Lauderdale, FL 33322

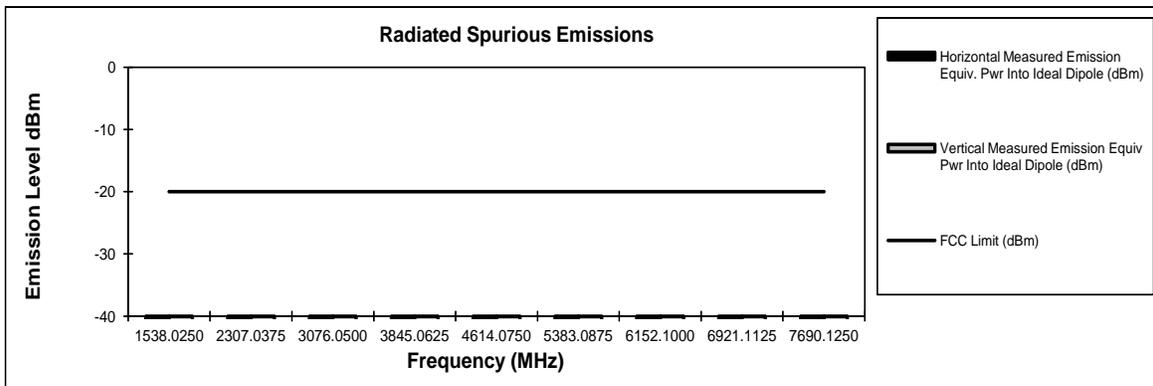
**Transmit Radiated Spurious Emissions: H97TGD9PW1AN**

**Tx Power: 2.99 Watts**

**769.0125 MHz**

**Channel Spacing 12.5kHz | S/N 655CPX0912**

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1538.0250	-20	*	*
2307.0375	-20	*	*
3076.0500	-20	*	*
3845.0625	-20	*	*
4614.0750	-20	*	*
5383.0875	-20	*	*
6152.1000	-20	*	*
6921.1125	-20	*	*
7690.1250	-20	*	*



\* Indicates the spurious emission could not be detected due to noise limitations or ambients.  
Test Performed by Motorola Plantation EMC and ALE P25 Compliance Lab  
8000 West Orange Ave  
Fort Lauderdale, FL 33322

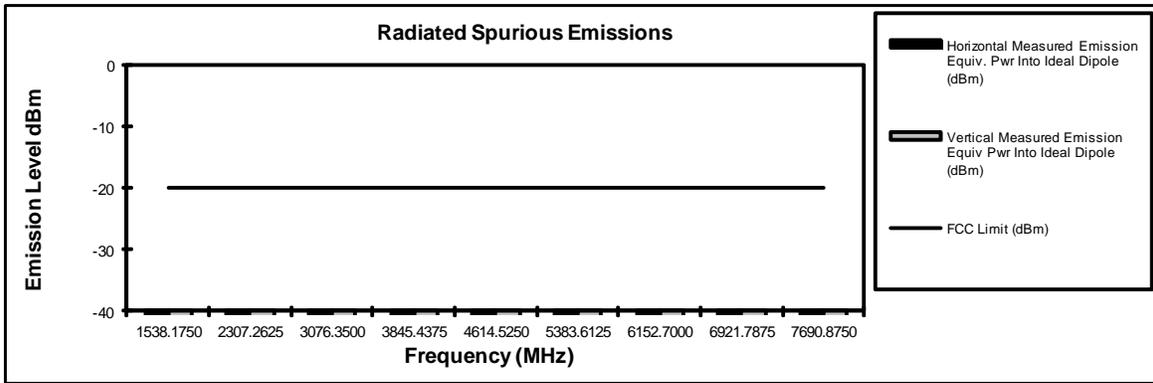
**Transmit Radiated Spurious Emissions: H97TGD9PW1AN**

**Tx Power: 2.99 Watts**

**769.0875 MHz**

**Channel Spacing 12.5kHz | S/N 655CPX0912**

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1538.1750	-20	*	*
2307.2625	-20	*	*
3076.3500	-20	*	*
3845.4375	-20	*	*
4614.5250	-20	*	*
5383.6125	-20	*	*
6152.7000	-20	*	*
6921.7875	-20	*	*
7690.8750	-20	*	*



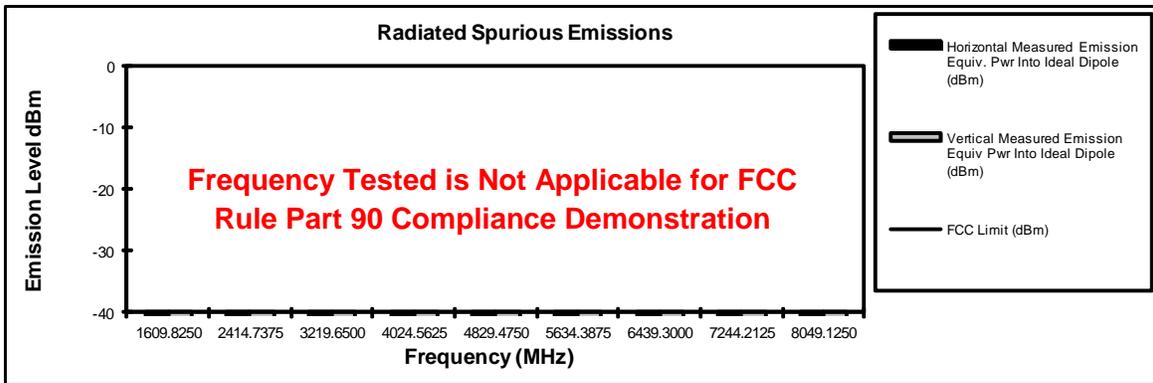
**Transmit Radiated Spurious Emissions: H97TGD9PW1AN**

**Tx Power: 2.99 Watts**

**804.9125 MHz**

**Channel Spacing 12.5kHz | S/N 655CPX0912**

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1609.8250	-20	*	*
2414.7375	-20	*	*
3219.6500	-20	*	*
4024.5625	-20	*	*
4829.4750	-20	*	*
5634.3875	-20	*	*
6439.3000	-20	*	*
7244.2125	-20	*	*
8049.1250	-20	*	*



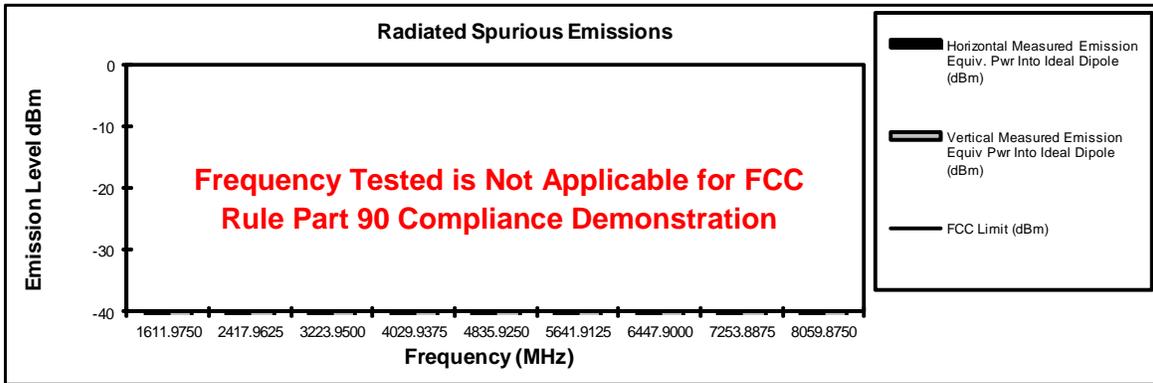
**Transmit Radiated Spurious Emissions: H97TGD9PW1AN**

**Tx Power: 2.99 Watts**

**805.9875 MHz**

**Channel Spacing 12.5kHz | S/N 655CPX0912**

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



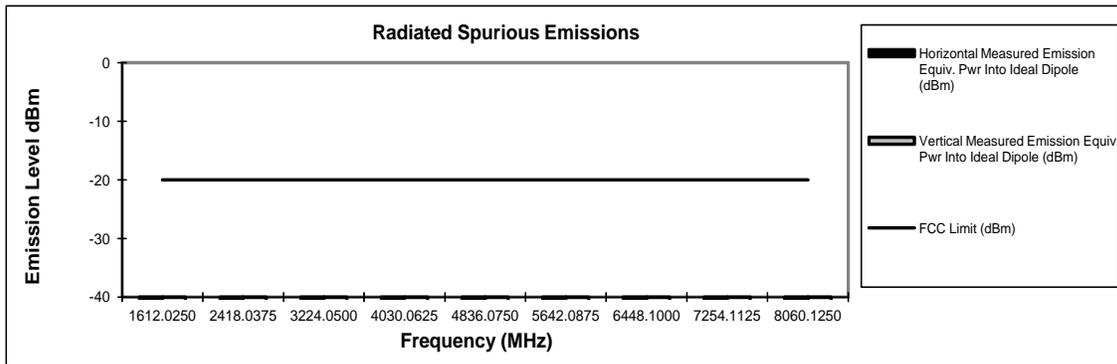
**Transmit Radiated Spurious Emissions: H97TGD9PW1AN**

**Tx Power: 3.6 Watts**

**806.0125 MHz**

**Channel Spacing 12.5kHz | S/N CAI131VFDJ**

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1612.0250	-20	*	*
2418.0375	-20	*	*
3224.0500	-20	*	*
4030.0625	-20	*	*
4836.0750	-20	*	*
5642.0875	-20	*	*
6448.1000	-20	*	*
7254.1125	-20	*	*
8060.1250	-20	*	*



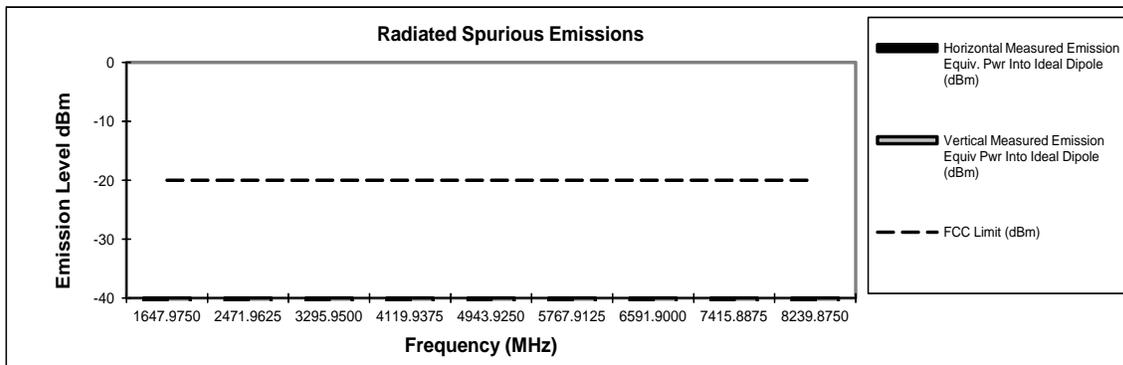
**Transmit Radiated Spurious Emissions: H97TGD9PW1AN**

**Tx Power: 3.6 Watts**

**823.9875 MHz**

**Channel Spacing 12.5kHz | S/N CAI131VFDJ**

Frequency (MHz)	FCC 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	*	*



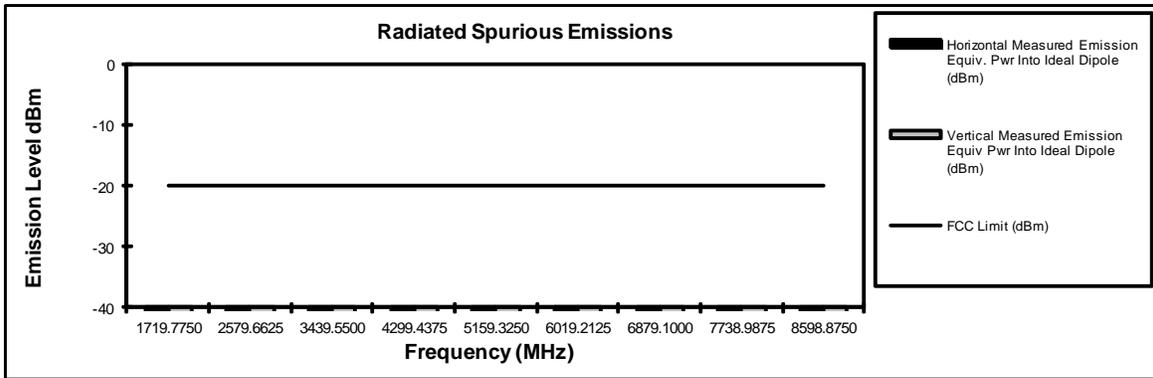
**Transmit Radiated Spurious Emissions: H97TGD9PW1AN**

**Tx Power: 3.6 Watts**

**859.8875 MHz**

**Channel Spacing 12.5kHz | S/N 655CPX0912**

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1719.7750	-20	*	*
2579.6625	-20	*	*
3439.5500	-20	*	*
4299.4375	-20	*	*
5159.3250	-20	*	*
6019.2125	-20	*	*
6879.1000	-20	*	*
7738.9875	-20	*	*
8598.8750	-20	*	*



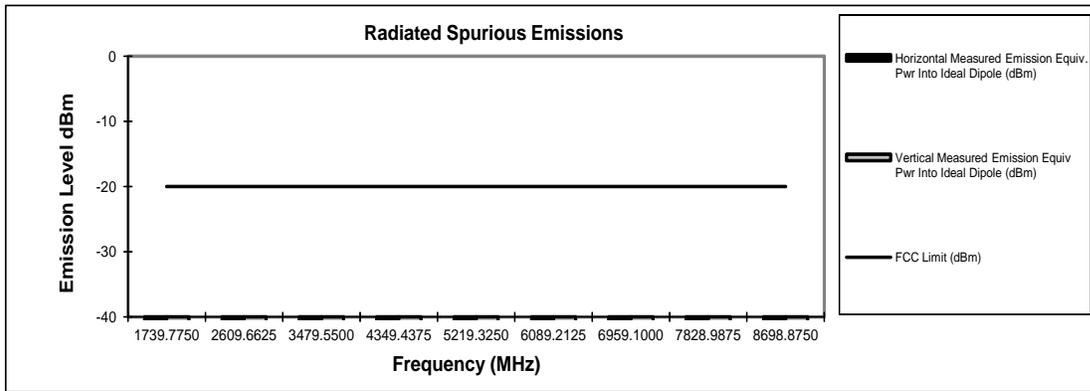
\* Indicates the spurious emission could not be detected due to noise limitations or ambients.  
Test Performed by Motorola Plantation EMC and ATE P25 Compliance Labs  
8000 West 50th Ave  
Fort Lauderdale, FL 33322

Motorola Solutions

Transmit Radiated Spurious Emissions: H97TGD9PW1AN  
Tx Power: 3.6 Watts

869.8875 MHz Channel Spacing 12.5kHz | S/N CAI131VFDJ

Frequency (MHz)	FCC 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	*	*
5219.3250	-20	*	*
6089.2125	-20	*	*
6959.1000	-20	*	*
7828.9875	-20	*	*
8698.8750	-20	*	*



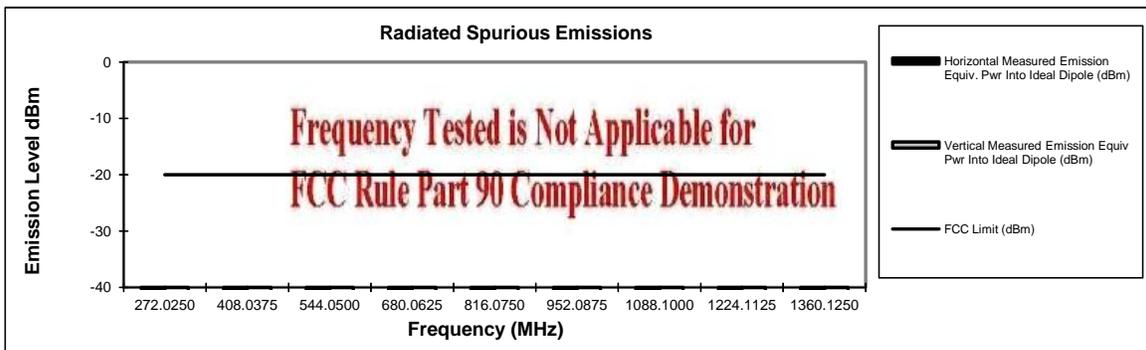
**Transmit Radiated Spurious Emissions: H97TGD9PW1AN**

**Tx Power: 6.6 Watts**

**136.0125 MHz**

**Channel Spacing 12.5kHz | S/N CAI131Y2FL**

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
272.0250	-20	*	*
408.0375	-20	*	*
544.0500	-20	*	*
680.0625	-20	*	*
816.0750	-20	*	*
952.0875	-20	*	*
1088.1000	-20	*	*
1224.1125	-20	*	*
1360.1250	-20	*	*



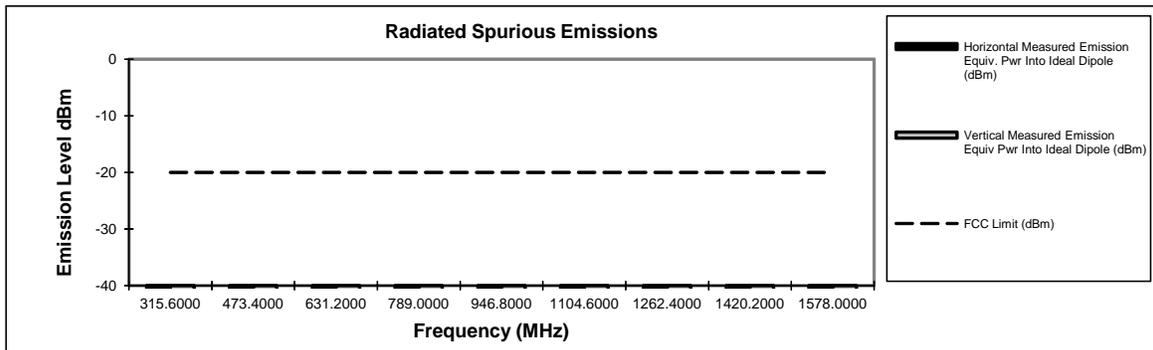
**Transmit Radiated Spurious Emissions: H97TGD9PW1AN**

**Tx Power: 6.6 Watts**

**157.8 MHz**

**Channel Spacing 12.5kHz | S/N CAI131Y2FL**

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
315.6000	-20	*	*
473.4000	-20	*	*
631.2000	-20	*	*
789.0000	-20	*	*
946.8000	-20	*	*
1104.6000	-20	*	*
1262.4000	-20	*	*
1420.2000	-20	*	*
1578.0000	-20	*	*



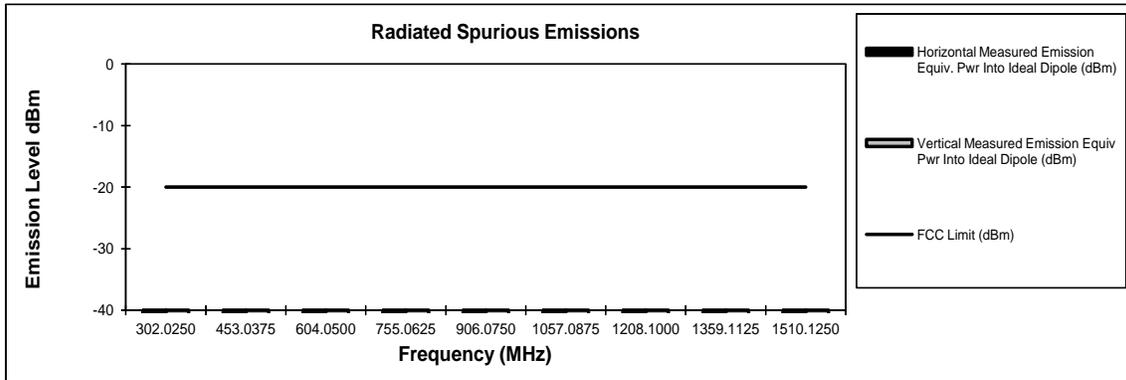
**Transmit Radiated Spurious Emissions: H97TGD9PW1AN**

**Tx Power: 6.6 Watts**

**151.0125 MHz**

**Channel Spacing 12.5kHz | S/N 655CPX0912**

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
302.0250	-20	*	*
453.0375	-20	*	*
604.0500	-20	*	*
755.0625	-20	*	*
906.0750	-20	*	*
1057.0875	-20	*	*
1208.1000	-20	*	*
1359.1125	-20	*	*
1510.1250	-20	*	*



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

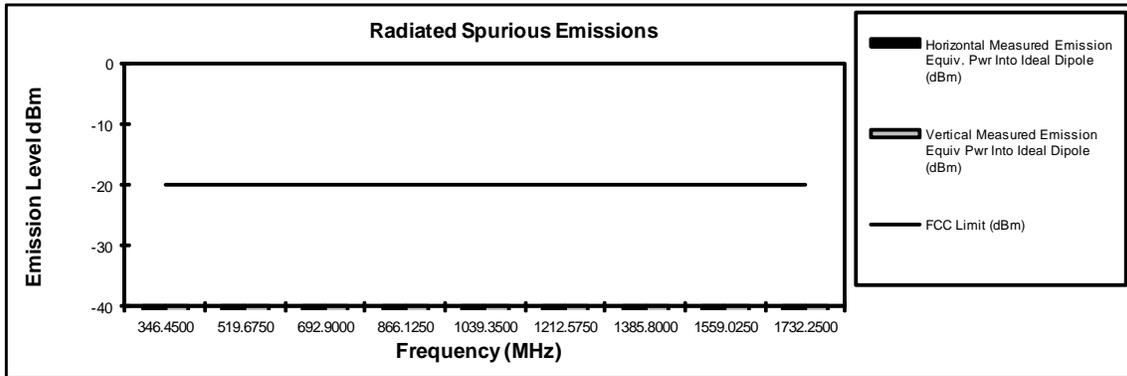
**Transmit Radiated Spurious Emissions: H97TGD9PW1AN**

**Tx Power: 6.6 Watts**

**173.225 MHz**

**Channel Spacing 12.5kHz | S/N 655CPX0912**

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
346.4500	-20	*	*
519.6750	-20	*	*
692.9000	-20	*	*
866.1250	-20	*	*
1039.3500	-20	*	*
1212.5750	-20	*	*
1385.8000	-20	*	*
1559.0250	-20	*	*
1732.2500	-20	*	*



\* Indicates the spurious emission could not be detected due to noise limitations or ambients.  
 Test Performed by Motorola Plantation EMC and ATE P25 Compliance Labs  
 The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.  
 8000 West Sunrise Blvd  
 Fort Lauderdale, FL 33322

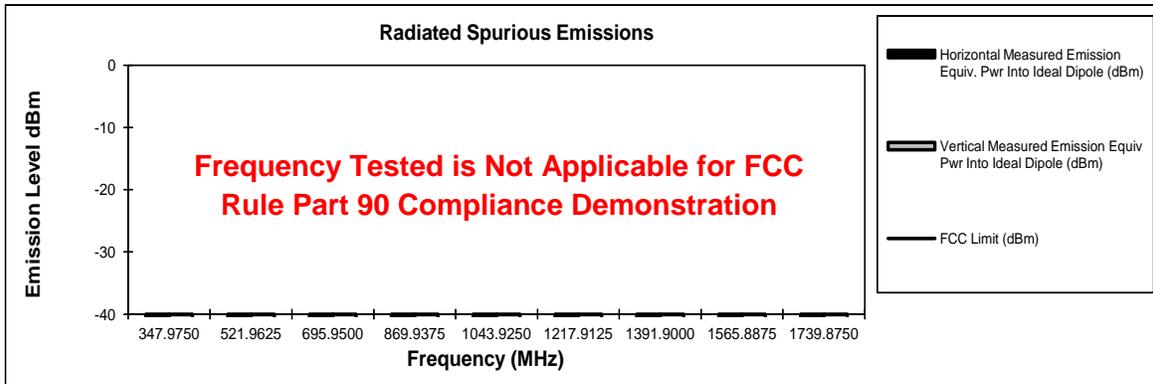
**Transmit Radiated Spurious Emissions: H97TGD9PW1AN**

**Tx Power: 6.6 Watts**

**173.9875 MHz**

**Channel Spacing 12.5kHz | S/N 655CPX0912**

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
347.9750	-20	*	*
521.9625	-20	*	*
695.9500	-20	*	*
869.9375	-20	*	*
1043.9250	-20	*	*
1217.9125	-20	*	*
1391.9000	-20	*	*
1565.8875	-20	*	*
1739.8750	-20	*	*



\* Indicates the spurious emission could not be detected due to noise limitations or ambients.  
 Test Performed by Motorola Plantation EMC and APE 25 Compliance Lab  
 8000 West Orange  
 Fort Lauderdale, FL 33322

Motorola Solutions

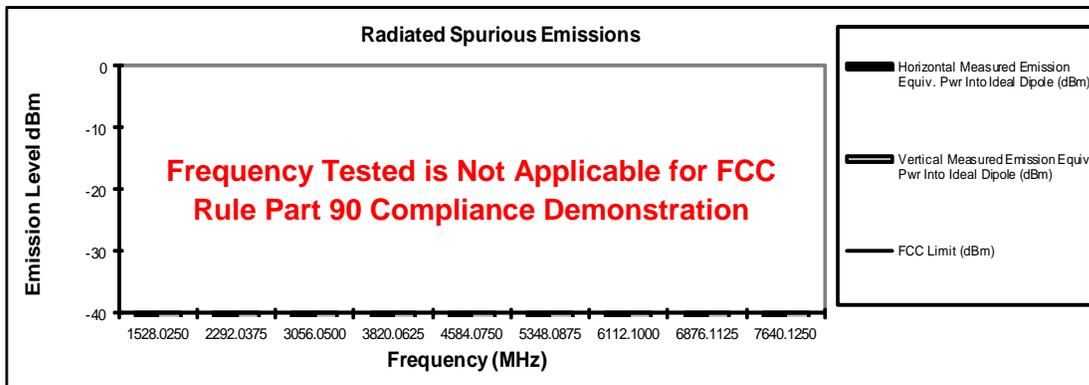
Transmit Radiated Spurious Emissions: H97TGD9PW1AN

Tx Power: 2.99 Watts

764.0125 MHz

Channel Spacing 25kHz | S/N CAI131VFDJ

Frequency (MHz)	FCC 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	*	*



\* Indicates the spurious emission could not be detected due to noise limitations or ambients.  
 Test Performed by Motorola Plantation EMC and ATE P25 Compliance Labs

8000 West Sunrise Blvd  
 Pursuant to CFR 47 Part 2.1057(c), emissions attenuated more than 20 dB below the permissible limit are not reported.

Fort Lauderdale, FL 33322  
 The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

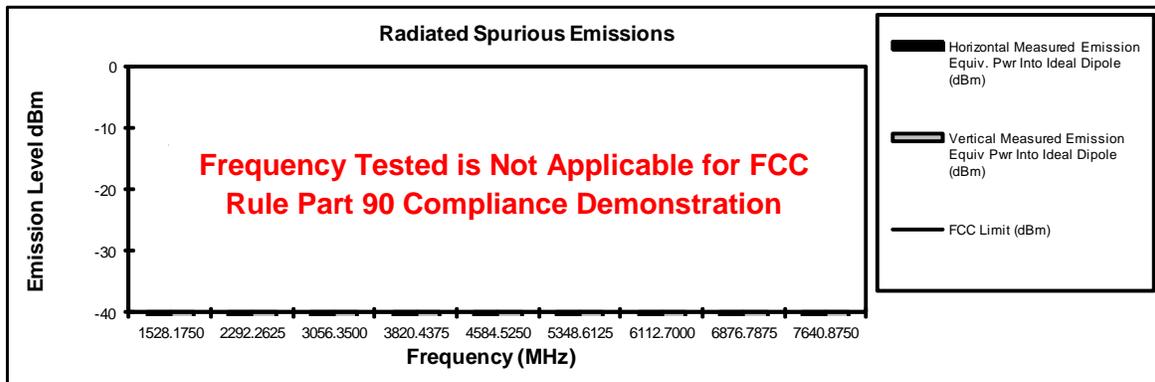
**Transmit Radiated Spurious Emissions: H97TGD9PW1AN**

**Tx Power: 2.99 Watts**

**764.0875 MHz**

**Channel Spacing 25kHz | S/N 655CPX0912**

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1528.1750	-13	*	*
2292.2625	-13	*	*
3056.3500	-13	*	*
3820.4375	-13	*	*
4584.5250	-13	*	*
5348.6125	-13	*	*
6112.7000	-13	*	*
6876.7875	-13	*	*
7640.8750	-13	*	*



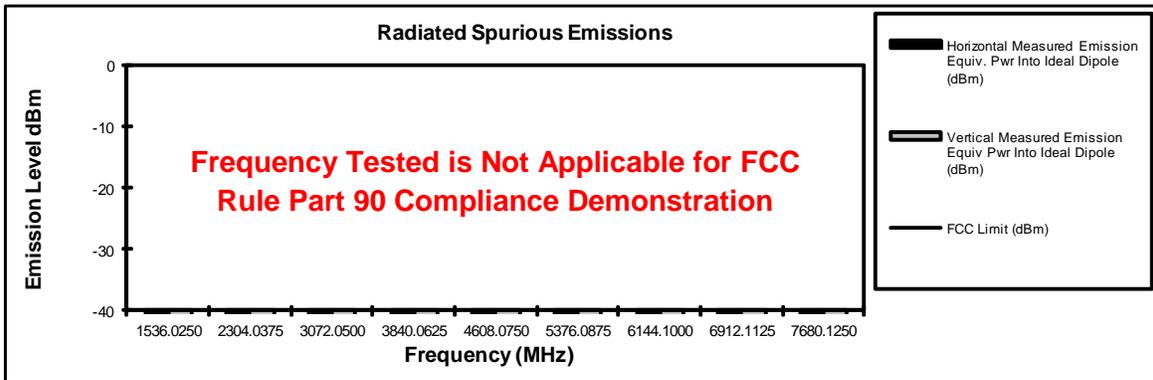
**Transmit Radiated Spurious Emissions: H97TGD9PW1AN**

**Tx Power: 2.99 Watts**

**768.0125 MHz**

**Channel Spacing 25kHz | S/N 655CPX0912**

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1536.0250	-13	*	*
2304.0375	-13	*	*
3072.0500	-13	*	*
3840.0625	-13	*	*
4608.0750	-13	*	*
5376.0875	-13	*	*
6144.1000	-13	*	*
6912.1125	-13	*	*
7680.1250	-13	*	*



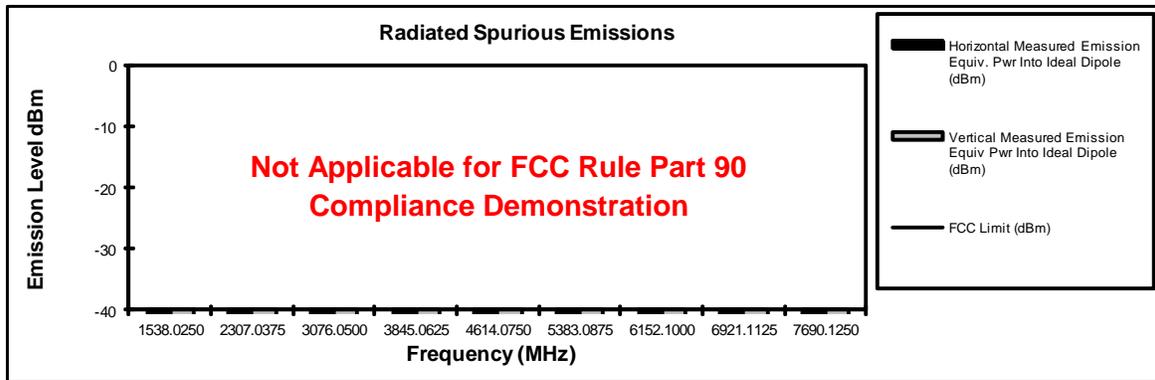
**Transmit Radiated Spurious Emissions: H97TGD9PW1AN**

**Tx Power: 2.99 Watts**

**769.0125 MHz**

**Channel Spacing 25kHz | S/N 655CPX0912**

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1538.0250	-13	*	*
2307.0375	-13	*	*
3076.0500	-13	*	*
3845.0625	-13	*	*
4614.0750	-13	*	*
5383.0875	-13	*	*
6152.1000	-13	*	*
6921.1125	-13	*	*
7690.1250	-13	*	*



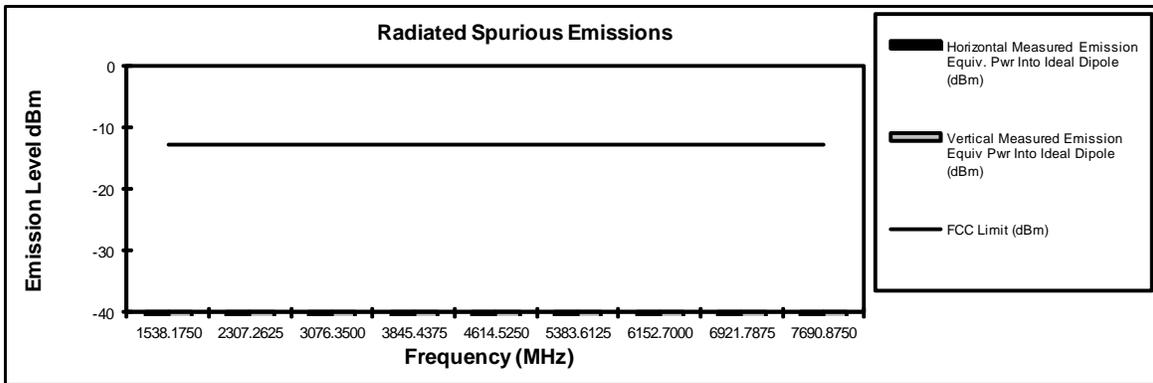
**Transmit Radiated Spurious Emissions: H97TGD9PW1AN**

**Tx Power: 2.99 Watts**

**769.0875 MHz**

**Channel Spacing 25kHz | S/N 655CPX0912**

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1538.1750	-13	*	*
2307.2625	-13	*	*
3076.3500	-13	*	*
3845.4375	-13	*	*
4614.5250	-13	*	*
5383.6125	-13	*	*
6152.7000	-13	*	*
6921.7875	-13	*	*
7690.8750	-13	*	*



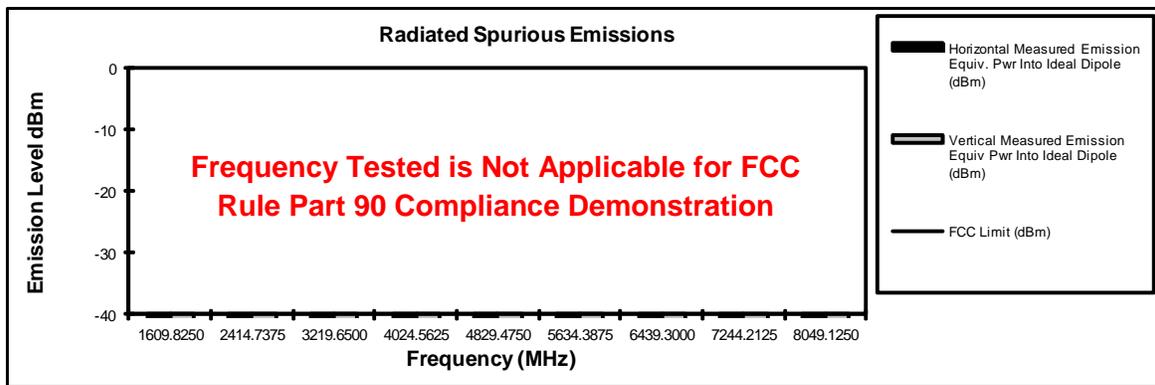
**Transmit Radiated Spurious Emissions: H97TGD9PW1AN**

**Tx Power: 2.99 Watts**

**804.9125 MHz**

**Channel Spacing 25kHz | S/N 655CPX0912**

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1609.8250	-13	*	*
2414.7375	-13	*	*
3219.6500	-13	*	*
4024.5625	-13	*	*
4829.4750	-13	*	*
5634.3875	-13	*	*
6439.3000	-13	*	*
7244.2125	-13	*	*
8049.1250	-13	*	*



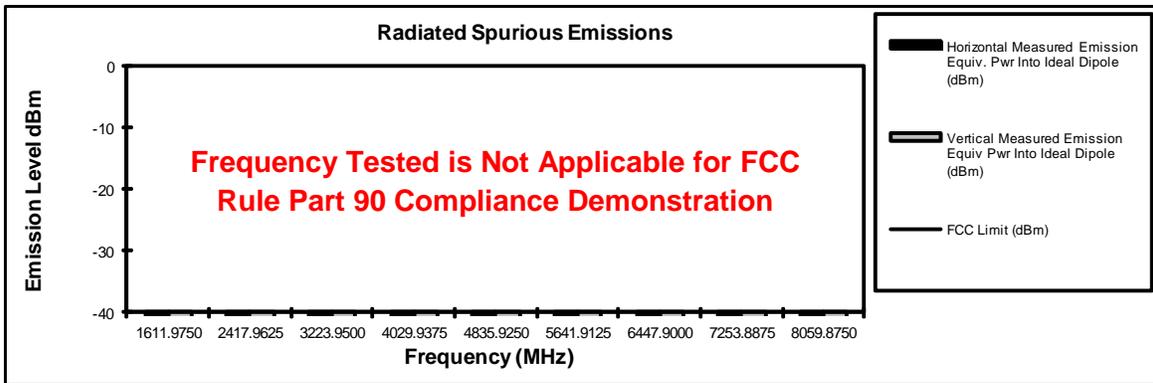
**Transmit Radiated Spurious Emissions: H97TGD9PW1AN**

**Tx Power: 2.99 Watts**

**805.9875 MHz**

**Channel Spacing 25kHz | S/N 655CPX0912**

Frequency (MHz)	FCC 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	*	*
4835.9250	-13	*	*
5641.9125	-13	*	*
6447.9000	-13	*	*
7253.8875	-13	*	*
8059.8750	-13	*	*

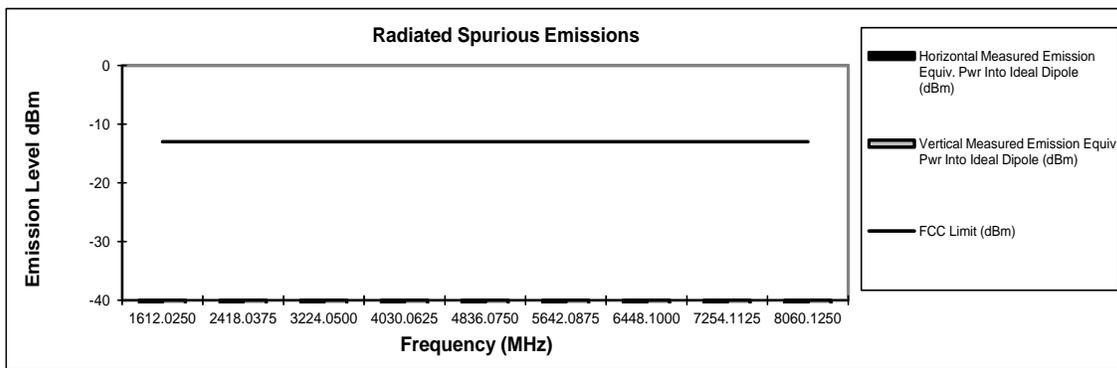


Motorola Solutions

Transmit Radiated Spurious Emissions: H97TGD9PW1AN  
Tx Power: 3.6 Watts

806.0125 MHz Channel Spacing 25kHz | S/N CAI131VFDJ

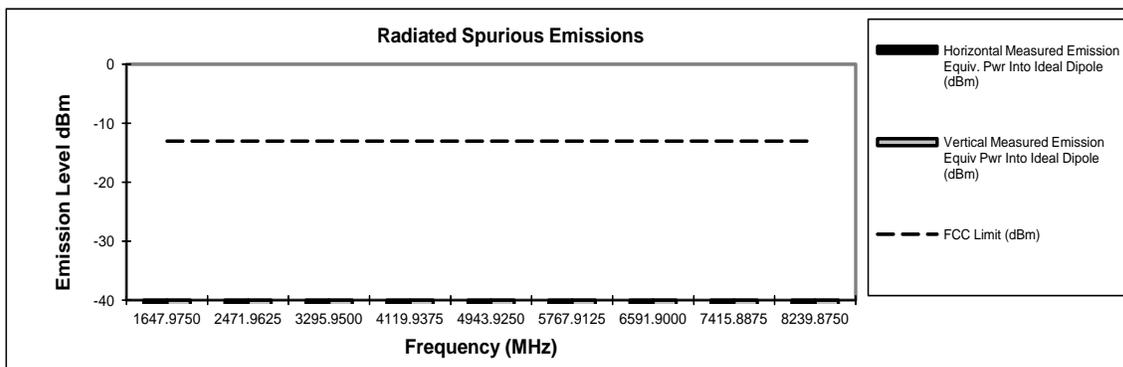
Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1612.0250	-13	*	*
2418.0375	-13	*	*
3224.0500	-13	*	*
4030.0625	-13	*	*
4836.0750	-13	*	*
5642.0875	-13	*	*
6448.1000	-13	*	*
7254.1125	-13	*	*
8060.1250	-13	*	*



Transmit Radiated Spurious Emissions: H97TGD9PW1AN  
Tx Power: 3.6 Watts

823.9875 MHz Channel Spacing 25kHz | S/N CAI131VFDJ

Frequency (MHz)	FCC 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	*	*



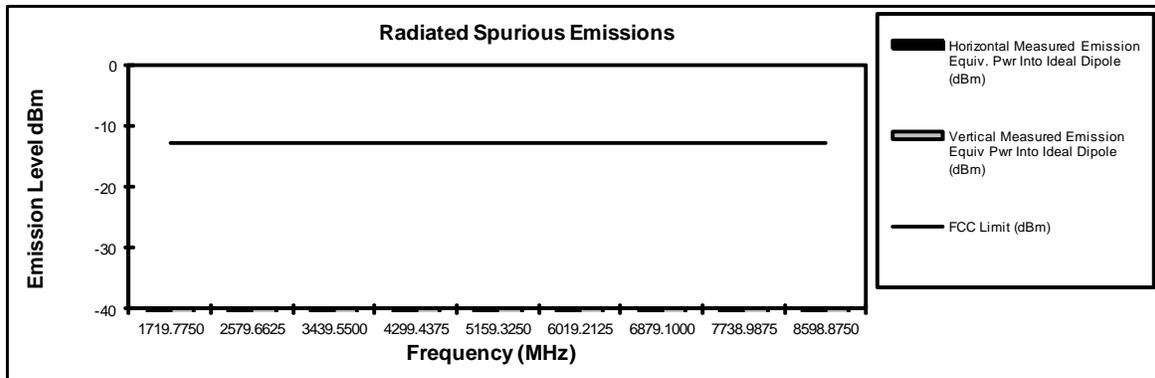
**Transmit Radiated Spurious Emissions: H97TGD9PW1AN**

**Tx Power: 3.6 Watts**

**859.8875 MHz**

**Channel Spacing 25kHz | S/N 655CPX0912**

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr r Into Ideal Dipole (dBm)
1719.7750	-13	*	*
2579.6625	-13	*	*
3439.5500	-13	*	*
4299.4375	-13	*	*
5159.3250	-13	*	*
6019.2125	-13	*	*
6879.1000	-13	*	*
7738.9875	-13	*	*
8598.8750	-13	*	*



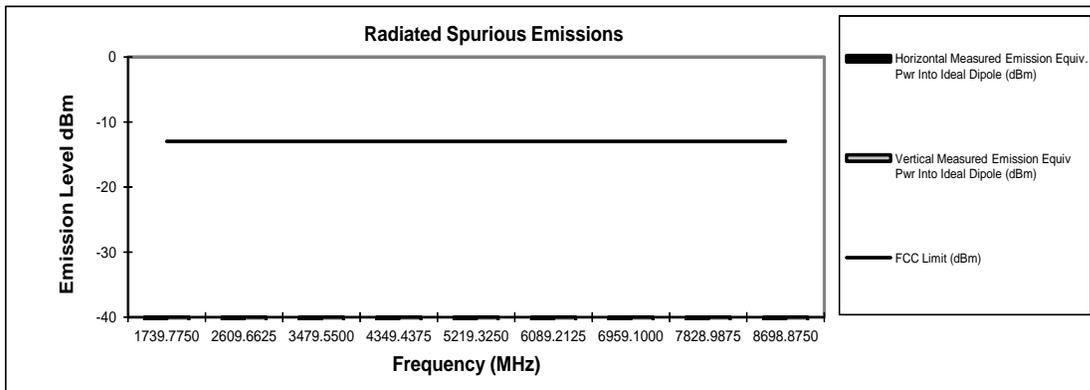
\* Indicates the spurious emission could not be detected due to noise limitations or ambients.  
Test Performed by Motorola Plantation EMC and ALE P25 Compliance Lab  
8000 West Campus Blvd  
Fort Lauderdale, FL 33322

Motorola Solutions

Transmit Radiated Spurious Emissions: H97TGD9PW1AN  
Tx Power: 3.6 Watts

869.8875 MHz Channel Spacing 25kHz | S/N CAI131VFDJ

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



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

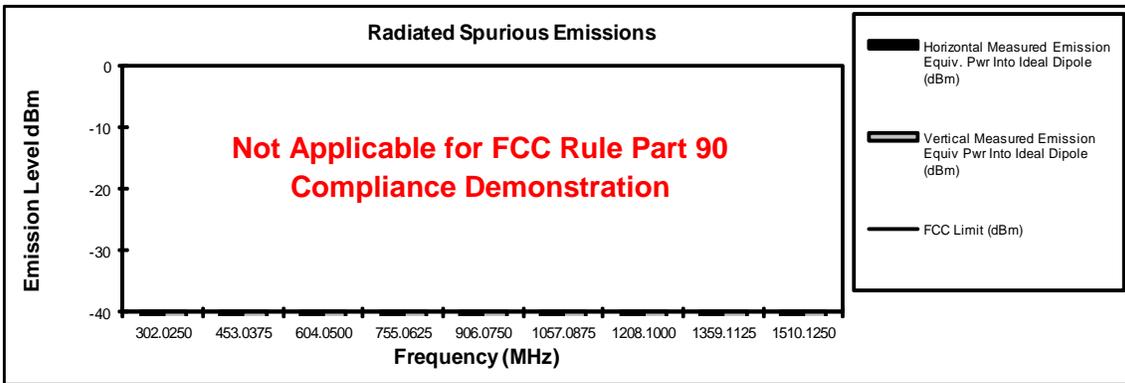
**Transmit Radiated Spurious Emissions: H97TGD9PW1AN**

**Tx Power: 6.6 Watts**

**151.0125 MHz**

**Channel Spacing 25kHz | S/N 655CPX0912**

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
302.0250	-13	*	*
453.0375	-13	*	*
604.0500	-13	*	*
755.0625	-13	*	*
906.0750	-13	*	*
1057.0875	-13	*	*
1208.1000	-13	*	*
1359.1125	-13	*	*
1510.1250	-13	*	*



Motorola Solutions

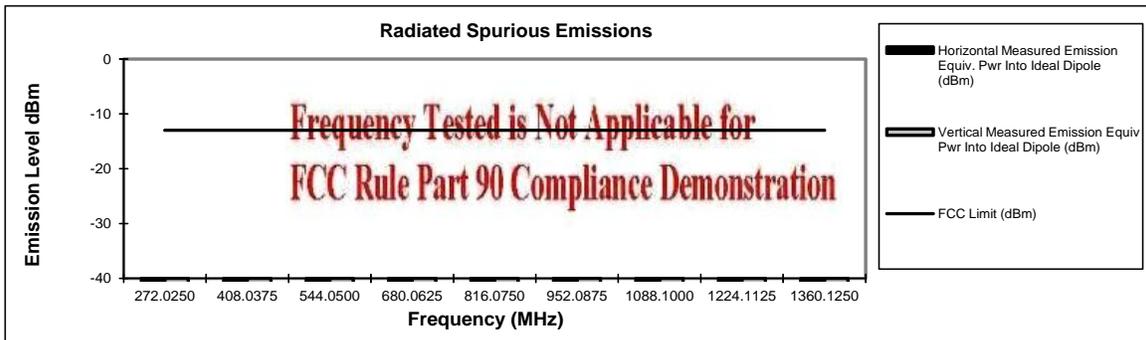
Transmit Radiated Spurious Emissions: H97TGD9PW1AN

Tx Power: 6.6 Watts

136.0125 MHz

Channel Spacing 25kHz | S/N CAI131Y2FL

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
272.0250	-13	*	*
408.0375	-13	*	*
544.0500	-13	*	*
680.0625	-13	*	*
816.0750	-13	*	*
952.0875	-13	*	*
1088.1000	-13	*	*
1224.1125	-13	*	*
1360.1250	-13	*	*



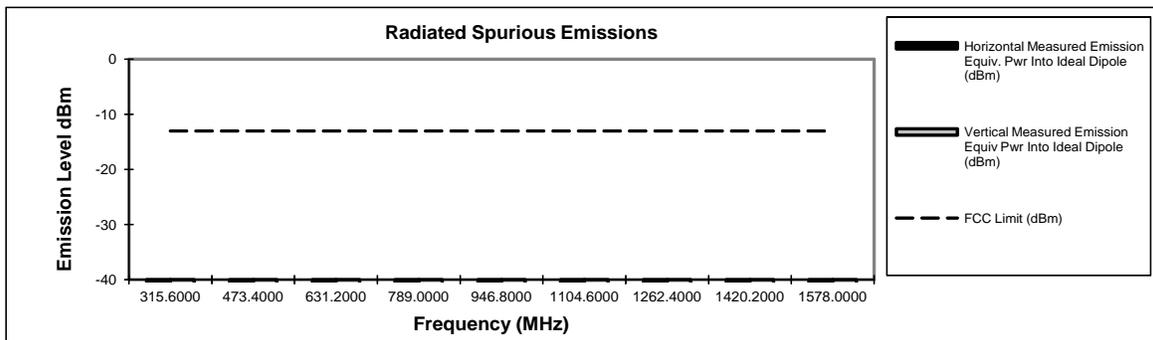
Transmit Radiated Spurious Emissions: H97TGD9PW1AN

Tx Power: 6.6 Watts

157.8 MHz

Channel Spacing 25kHz | S/N CAI131Y2FL

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
315.6000	-13	*	*
473.4000	-13	*	*
631.2000	-13	*	*
789.0000	-13	*	*
946.8000	-13	*	*
1104.6000	-13	*	*
1262.4000	-13	*	*
1420.2000	-13	*	*
1578.0000	-13	*	*



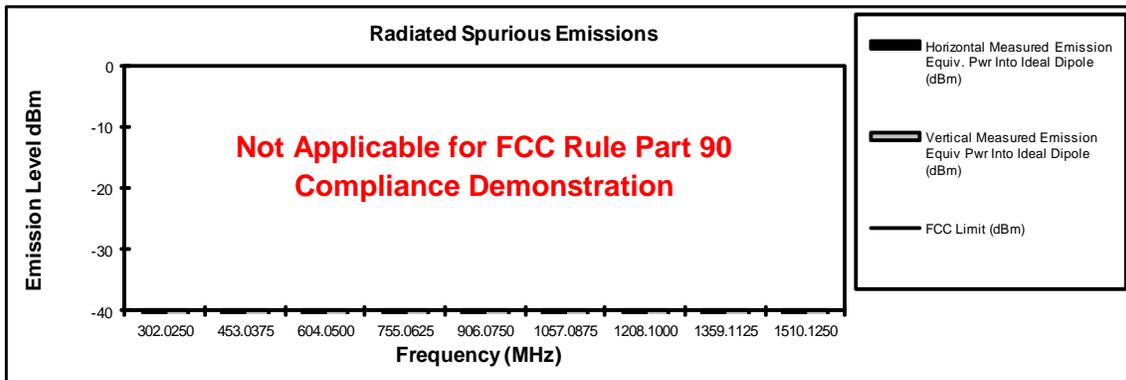
**Transmit Radiated Spurious Emissions: H97TGD9PW1AN**

**Tx Power: 6.6 Watts**

**151.0125 MHz**

**Channel Spacing 25kHz | S/N 655CPX0912**

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
302.0250	-13	*	*
453.0375	-13	*	*
604.0500	-13	*	*
755.0625	-13	*	*
906.0750	-13	*	*
1057.0875	-13	*	*
1208.1000	-13	*	*
1359.1125	-13	*	*
1510.1250	-13	*	*



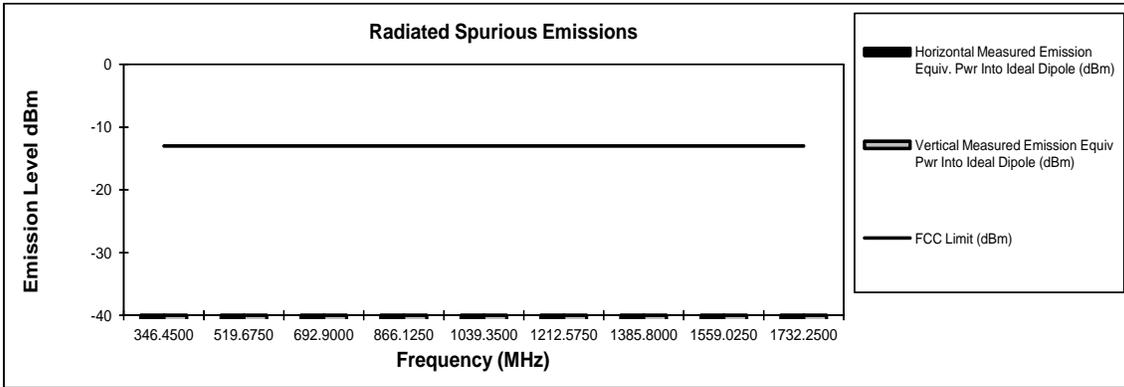
**Transmit Radiated Spurious Emissions: H97TGD9PW1AN**

**Tx Power: 6.6 Watts**

**173.225 MHz**

**Channel Spacing 25kHz | S/N 655CPX0912**

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
346.4500	-13	*	*
519.6750	-13	*	*
692.9000	-13	*	*
866.1250	-13	*	*
1039.3500	-13	*	*
1212.5750	-13	*	*
1385.8000	-13	*	*
1559.0250	-13	*	*
1732.2500	-13	*	*



Motorola Solutions

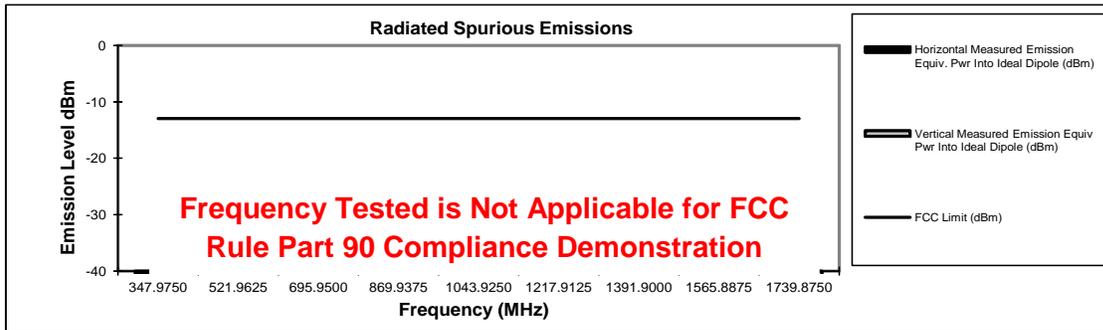
Transmit Radiated Spurious Emissions: H97TGD9PW1AN

Tx Power: 6.6 Watts

173.9875 MHz

Channel Spacing 25kHz | S/N CAI131Y2FL

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
347.9750	-13	*	*
521.9625	-13	*	*
695.9500	-13	*	*
869.9375	-13	*	*
1043.9250	-13	*	*
1217.9125	-13	*	*
1391.9000	-13	*	*
1565.8875	-13	*	*
1739.8750	-13	*	*



**1559 – 1610 MHz Radiated Emissions (GNSS)**

GNSS Testing			
At 10 Meters ERP, ADD +2.15 dB for EIRP			
Date:	6/3/2014	EMC#:	EMC05292014-054
Product:	NUR1065A APX7000L	S/N	655CPX0908
		Temp:	81F 67%
		Channel Spacing:	12.5kHz
Notes: <u>Stubby Antenna</u> GNSS			
Tx Freq.	799.0875	Horizontal Radiated	Vertical Radiated
Spur	Frequency	Spur. Emiss.	Spur. Emiss.
2XFund	MHz	(dBm)	(dBm)
	1598.1750	-58.26	-50.58
Notes: <u>Stubby Antenna</u> GNSS			
Tx Freq.	804.9125	Horizontal Radiated	Vertical Radiated
Spur	Frequency	Spur. Emiss.	Spur. Emiss.
2XFund	MHz	(dBm)	(dBm)
	1609.8250	-57.08	-49.09
Notes: <u>Stubby Antenna</u> GNSS			

GNSS Testing			
At 10 Meters ERP, ADD +2.15 dB for EIRP			
Date:	6/3/2014	EMC#:	EMC05292014-054
Product:	NUR1065A APX7000L	S/N	655CPX0908
		Temp:	82F 68%
		Channel Spacing:	12.5kHz
Notes: <u>NAF5085A Antenna</u> GNSS			
Tx Freq.	799.0875	Horizontal Radiated	Vertical Radiated
Spur	Frequency	Spur. Emiss.	Spur. Emiss.
2XFund	MHz	(dBm)	(dBm)
	1598.1750	-50.48	-48.91
Notes: <u>NAF5085A Antenna</u> GNSS			
Tx Freq.	804.9125	Horizontal Radiated	Vertical Radiated
Spur	Frequency	Spur. Emiss.	Spur. Emiss.
2XFund	MHz	(dBm)	(dBm)
	1609.8250	-50.78	-48.63
Notes: <u>NAF5085A Antenna</u> GNSS			

GNSS Testing			
At 10 Meters ERP, ADD +2.15 dB for EIRP			
Date:	6/3/2014	EMC#:	EMC05292014-054
Product:	NUR1065A APX7000L	S/N	655CPX0908
		Temp:	82F 65%
		Channel Spacing:	12.5kHz
Notes: <u>NAR6594A Antenna</u> GNSS			
Tx Freq.	799.0875	Horizontal Radiated	Vertical Radiated
Spur	Frequency	Spur. Emiss.	Spur. Emiss.
2XFund	MHz	(dBm)	(dBm)
	1598.1750	-52.01	-48.49
Notes: <u>NAR6594A Antenna</u> GNSS			
Tx Freq.	804.9125	Horizontal Radiated	Vertical Radiated
Spur	Frequency	Spur. Emiss.	Spur. Emiss.
2XFund	MHz	(dBm)	(dBm)
	1609.8250	-51.14	-47.91
Notes: <u>NAR6594A Antenna</u> GNSS			

**Exhibit 6D**

**4. Effective Radiated Power (ERP)**

The Effective Radiated Power was measured at 769.0125 MHz, 769.0875 MHz & 804.9125 MHz.

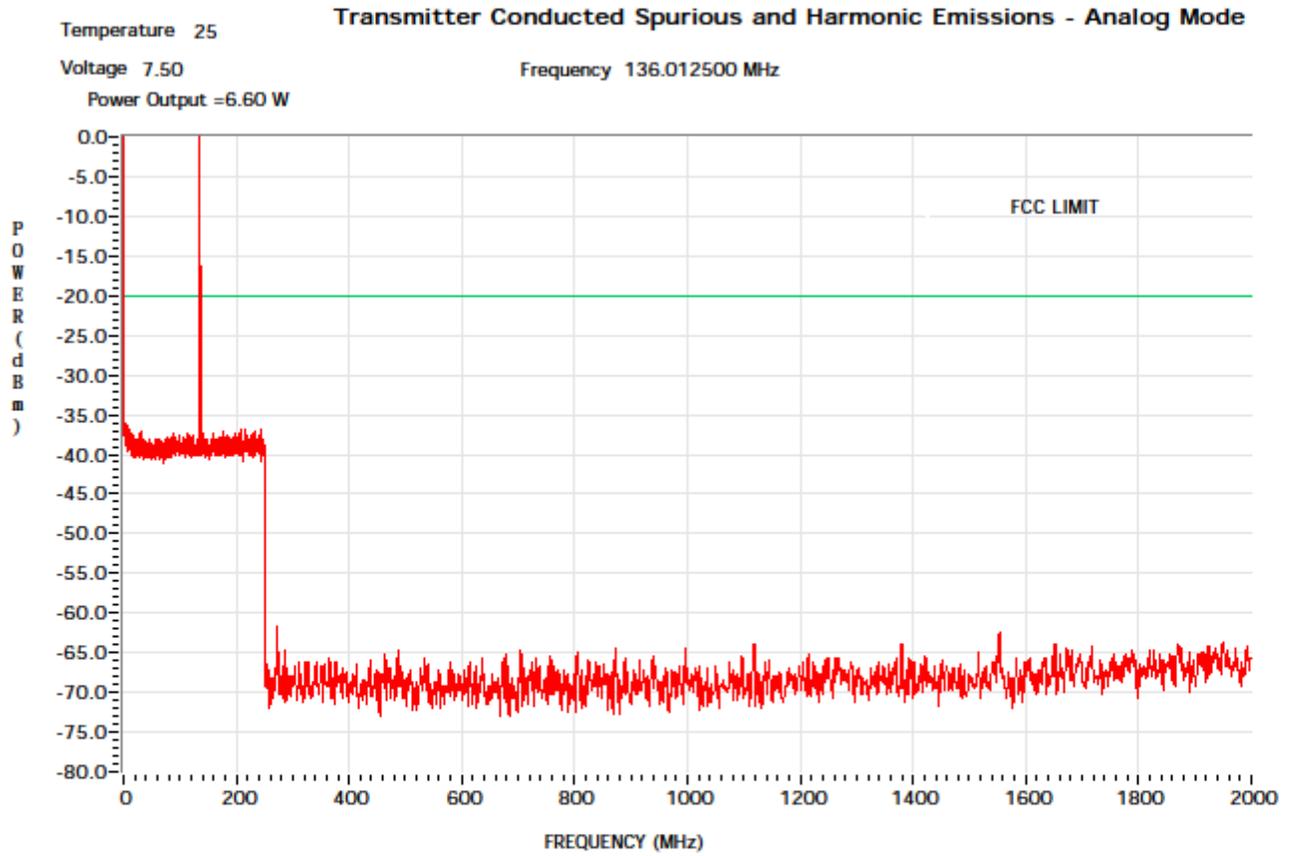
<b>ERP APX7000L (H97TGD9PW1AN)</b>			
	<b>S/N 655CPX0912</b>		<b>Tx Power: 2.99 Watts</b>
	<b>Frequency</b>	<b>Turn Table Deg.</b>	<b>Radiated Spur Emiss. (dBm)</b>
<b>Horiz.</b>	769.0125	<b>0</b>	<b>23.69</b>
<b>Horiz.</b>	769.0125	<b>45</b>	<b>22.47</b>
<b>Horiz.</b>	769.0125	<b>90</b>	<b>13.98</b>
<b>Horiz.</b>	769.0125	<b>135</b>	<b>18.12</b>
<b>Horiz.</b>	769.0125	<b>180</b>	<b>21.66</b>
<b>Horiz.</b>	769.0125	<b>225</b>	<b>21.05</b>
<b>Horiz.</b>	769.0125	<b>270</b>	<b>15.42</b>
<b>Horiz.</b>	769.0125	<b>315</b>	<b>18.19</b>
<b>Vert.</b>	769.0125	<b>0</b>	<b>30.37</b>
<b>Vert.</b>	769.0125	<b>45</b>	<b>31.34</b>
<b>Vert.</b>	769.0125	<b>90</b>	<b>30.82</b>
<b>Vert.</b>	769.0125	<b>135</b>	<b>30.93</b>
<b>Vert.</b>	769.0125	<b>180</b>	<b>29.20</b>
<b>Vert.</b>	769.0125	<b>225</b>	<b>29.72</b>
<b>Vert.</b>	769.0125	<b>270</b>	<b>27.89</b>
<b>Vert.</b>	769.0125	<b>315</b>	<b>29.52</b>
<b>ERP APX7000L (H97TGD9PW1AN)</b>			
	<b>S/N 655CPX0912</b>		<b>Tx Power: 2.99 Watts</b>
	<b>Frequency</b>	<b>Turn Table Deg.</b>	<b>Radiated Spur Emiss. (dBm)</b>
<b>Horiz.</b>	769.0875	<b>0</b>	<b>24.36</b>
<b>Horiz.</b>	769.0875	<b>45</b>	<b>23.02</b>
<b>Horiz.</b>	769.0875	<b>90</b>	<b>15.25</b>
<b>Horiz.</b>	769.0875	<b>135</b>	<b>17.68</b>
<b>Horiz.</b>	769.0875	<b>180</b>	<b>21.85</b>
<b>Horiz.</b>	769.0875	<b>225</b>	<b>21.49</b>
<b>Horiz.</b>	769.0875	<b>270</b>	<b>16.30</b>
<b>Horiz.</b>	769.0875	<b>315</b>	<b>18.63</b>
<b>Vert.</b>	769.0875	<b>0</b>	<b>30.50</b>
<b>Vert.</b>	769.0875	<b>45</b>	<b>31.57</b>
<b>Vert.</b>	769.0875	<b>90</b>	<b>30.95</b>
<b>Vert.</b>	769.0875	<b>135</b>	<b>31.15</b>
<b>Vert.</b>	769.0875	<b>180</b>	<b>29.33</b>
<b>Vert.</b>	769.0875	<b>225</b>	<b>29.94</b>
<b>Vert.</b>	769.0875	<b>270</b>	<b>28.07</b>

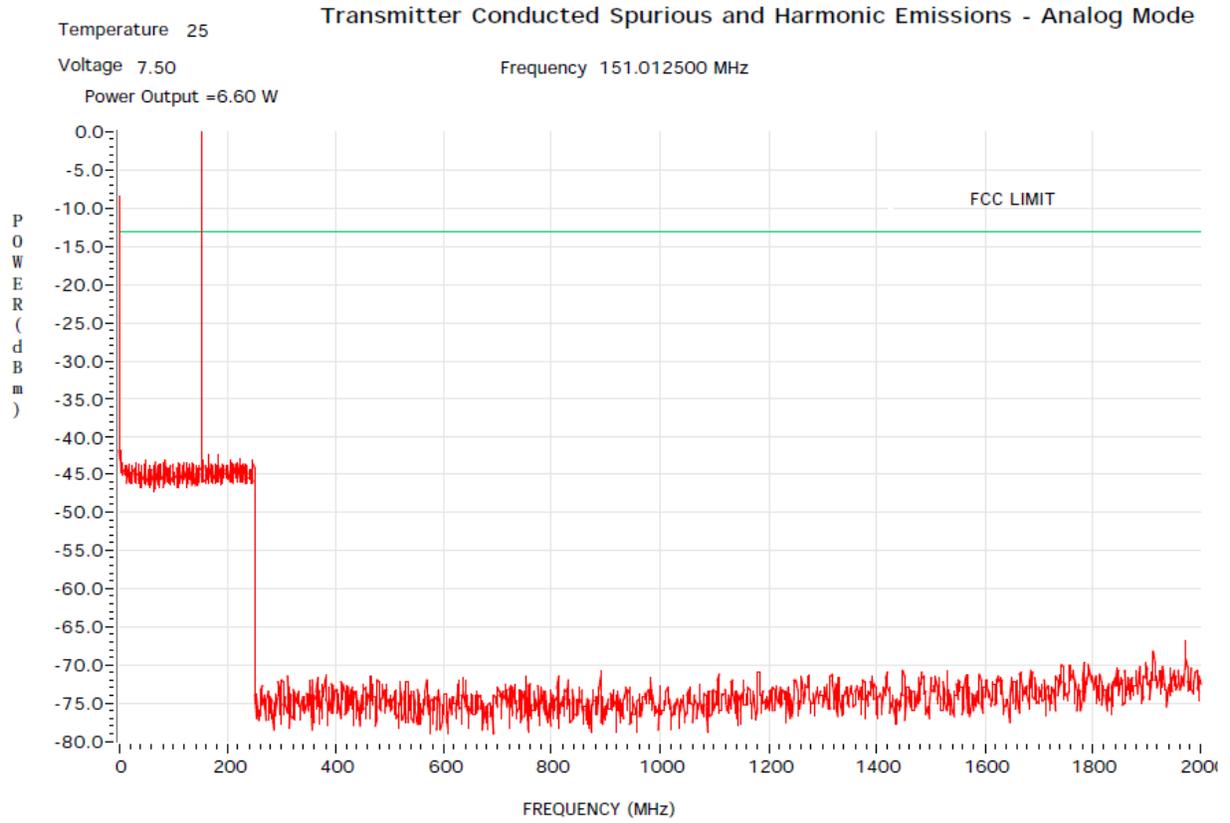
<b>ERP</b>	<b>APX7000L (H97TGD9PW1AN)</b>		
	<b>S/N</b>	<b>655CPX0912</b>	<b>Tx Power: 2.99 Watts</b>
	<b>Frequency</b>	<b>Turn Table Deg.</b>	<b>Radiated Spur Emiss. (dBm)</b>
<b>Horiz.</b>	804.9125	<b>0</b>	<b>21.84</b>
<b>Horiz.</b>	804.9125	<b>45</b>	<b>18.46</b>
<b>Horiz.</b>	804.9125	<b>90</b>	<b>7.65</b>
<b>Horiz.</b>	804.9125	<b>135</b>	<b>18.79</b>
<b>Horiz.</b>	804.9125	<b>180</b>	<b>19.55</b>
<b>Horiz.</b>	804.9125	<b>225</b>	<b>14.89</b>
<b>Horiz.</b>	804.9125	<b>270</b>	<b>14.49</b>
<b>Horiz.</b>	804.9125	<b>315</b>	<b>19.54</b>
<b>Vert.</b>	804.9125	<b>0</b>	<b>30.19</b>
<b>Vert.</b>	804.9125	<b>45</b>	<b>31.82</b>
<b>Vert.</b>	804.9125	<b>90</b>	<b>30.99</b>
<b>Vert.</b>	804.9125	<b>135</b>	<b>31.39</b>
<b>Vert.</b>	804.9125	<b>180</b>	<b>29.91</b>
<b>Vert.</b>	804.9125	<b>225</b>	<b>28.60</b>
<b>Vert.</b>	804.9125	<b>270</b>	<b>26.99</b>
<b>Vert.</b>	804.9125	<b>315</b>	<b>29.08</b>

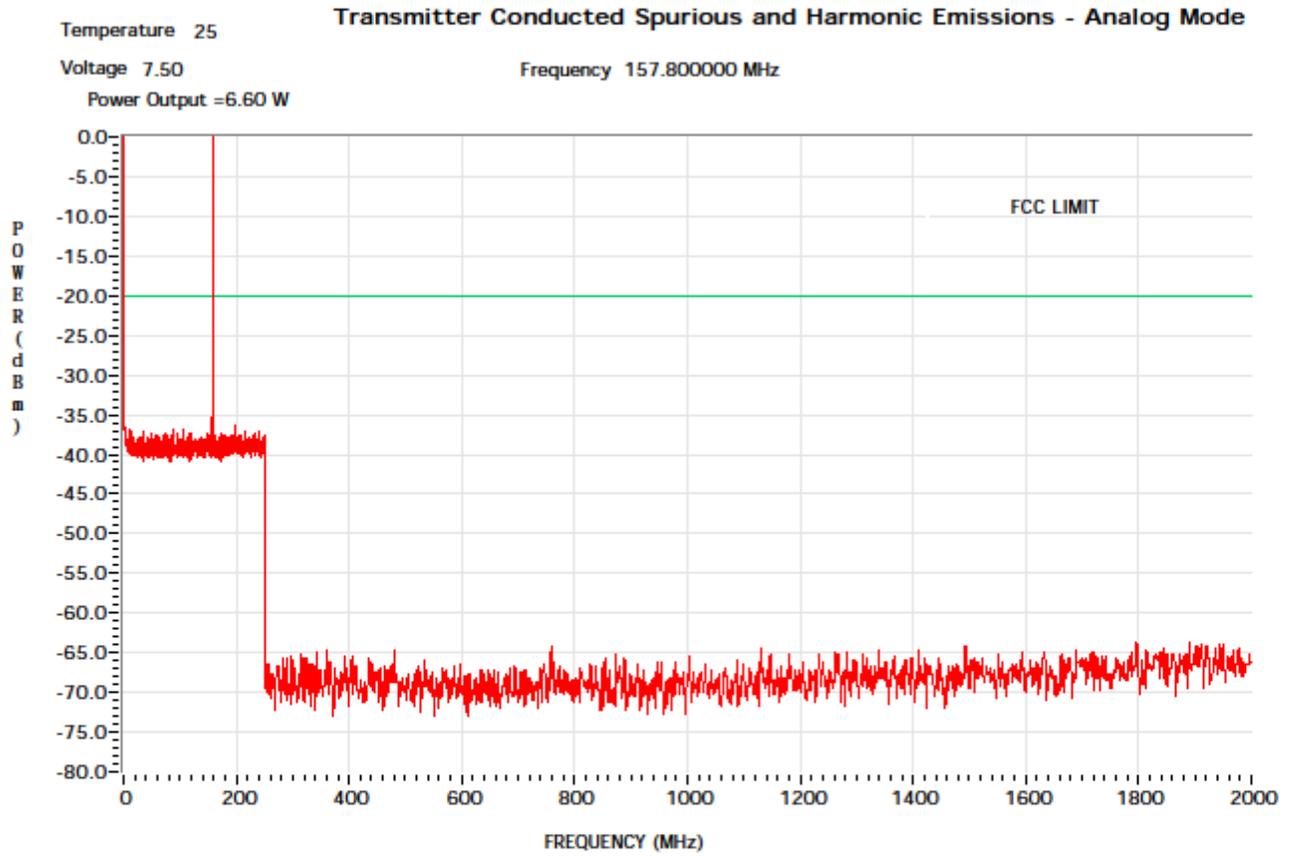
## Exhibit 6E

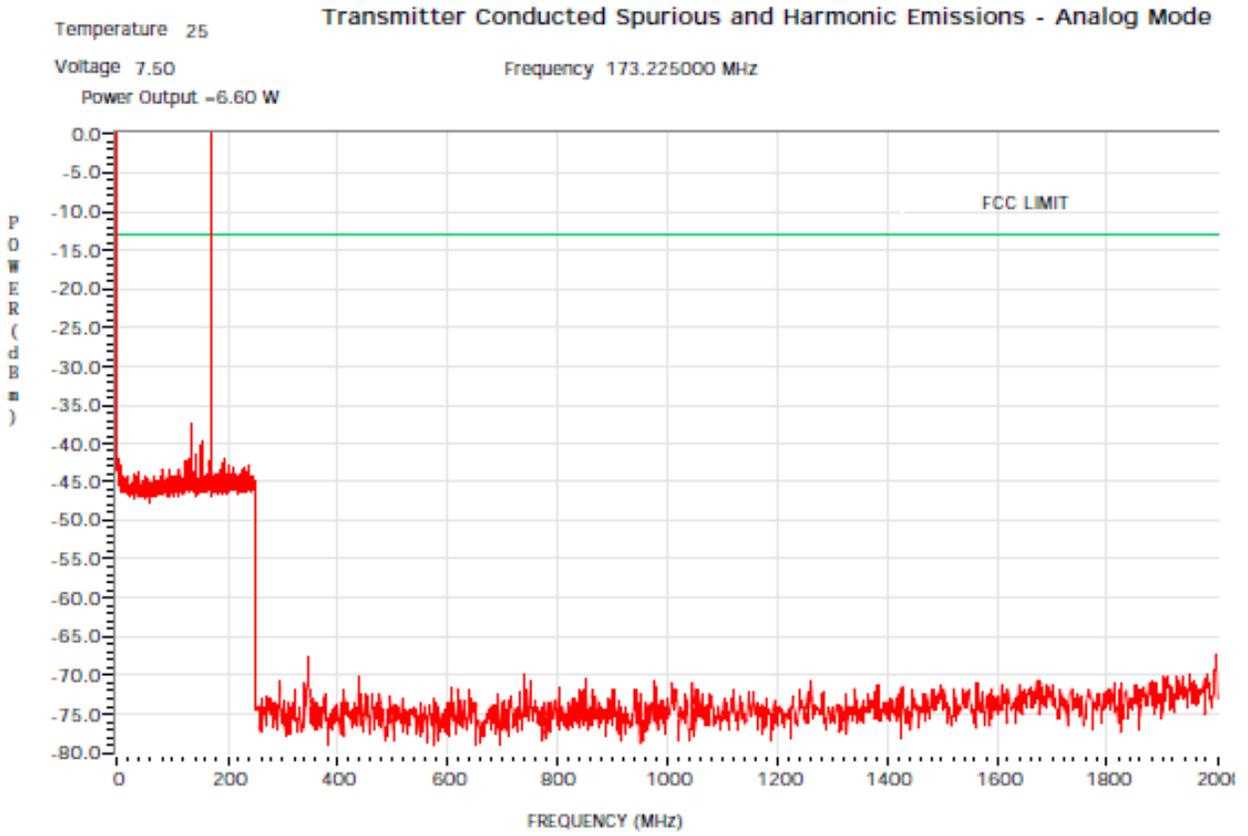
### 5. Transmitter Conducted Spurious Emissions

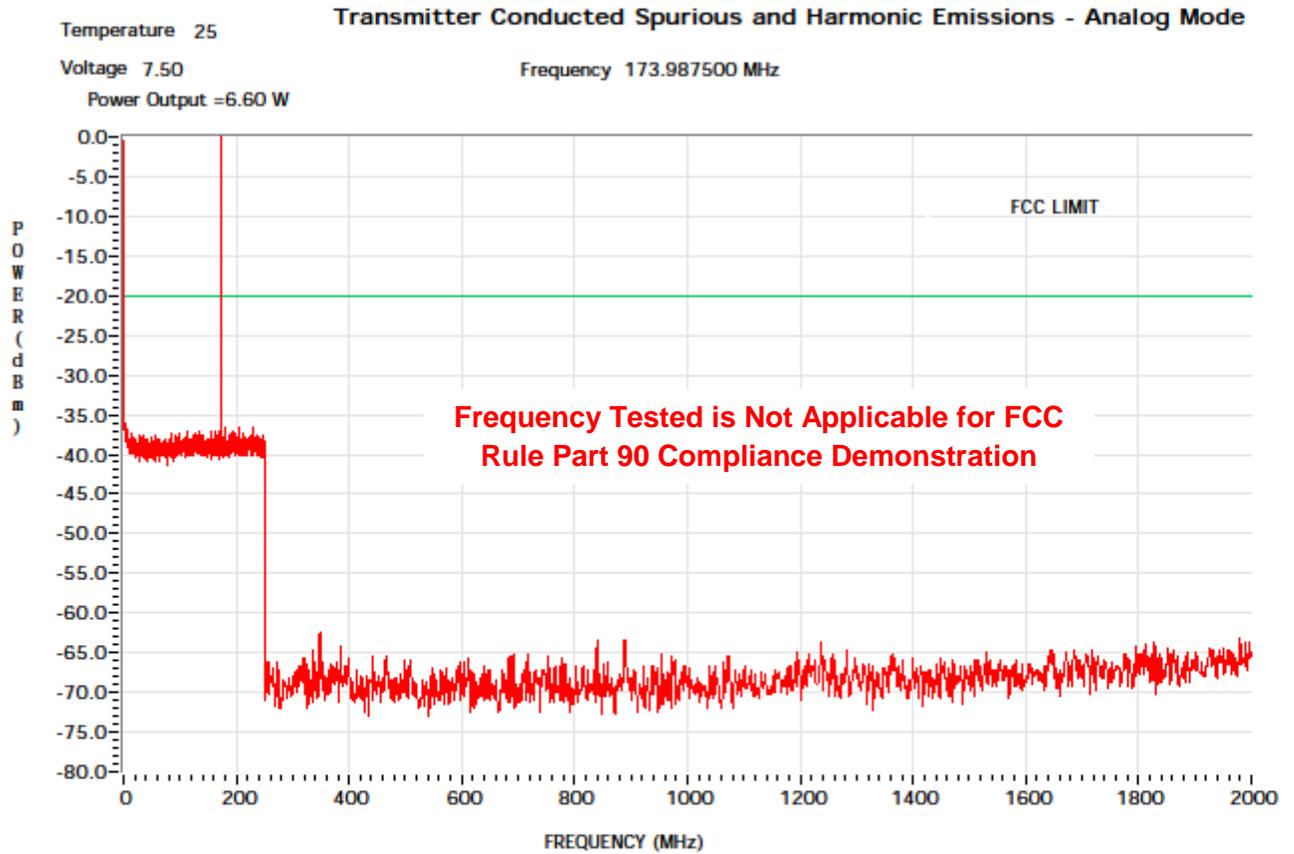
Spurious response was measured at 136.0125MHz, 151.0125MHz, 157.8MHz, 173.225MHz, 173.9875MHz, 764.0125MHz, 768.0125MHz, 769.0125MHz, 804.9125MHz, 805.9875MHz, 806.0125MHz, 823.9875MHz, 859.8875MHz, and 869.8875MHz. Conducted emissions were measured to 2 GHz. All spurious and harmonic emissions are well below the FCC limit.

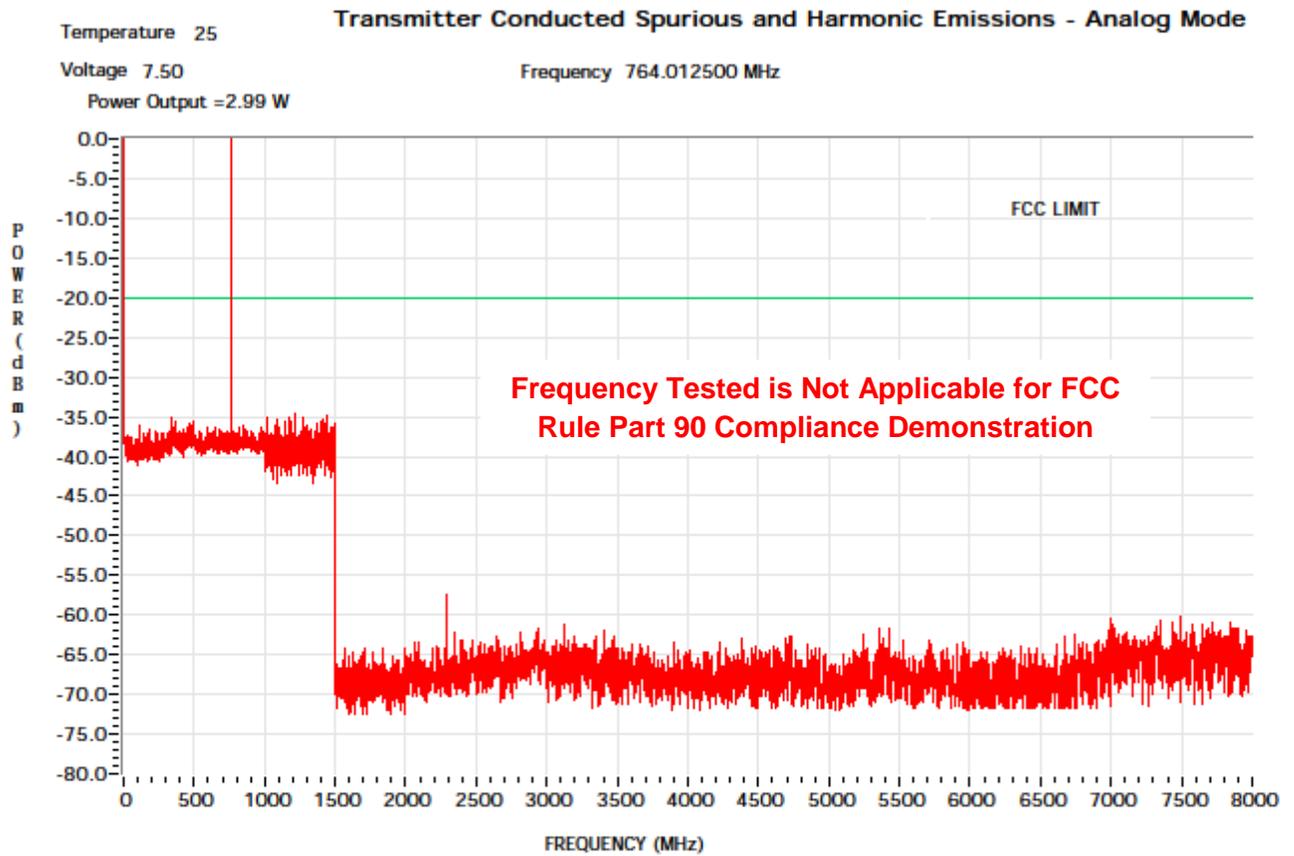


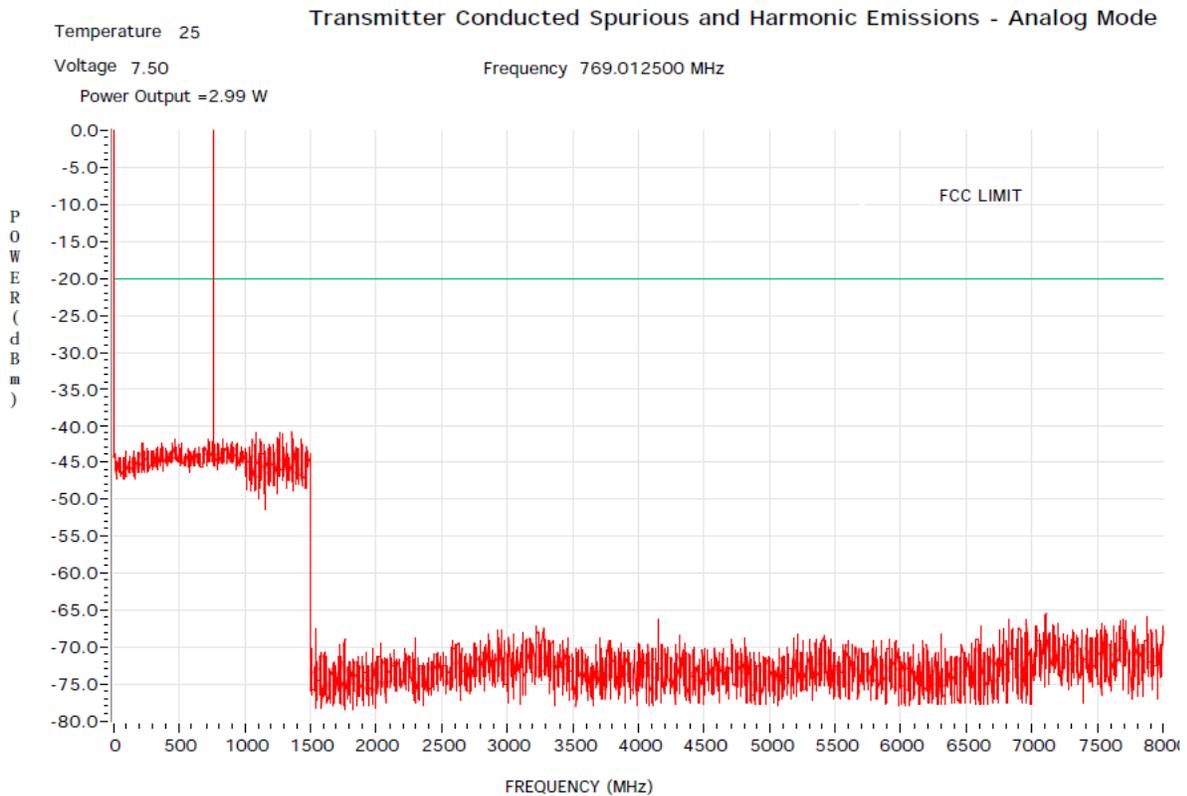
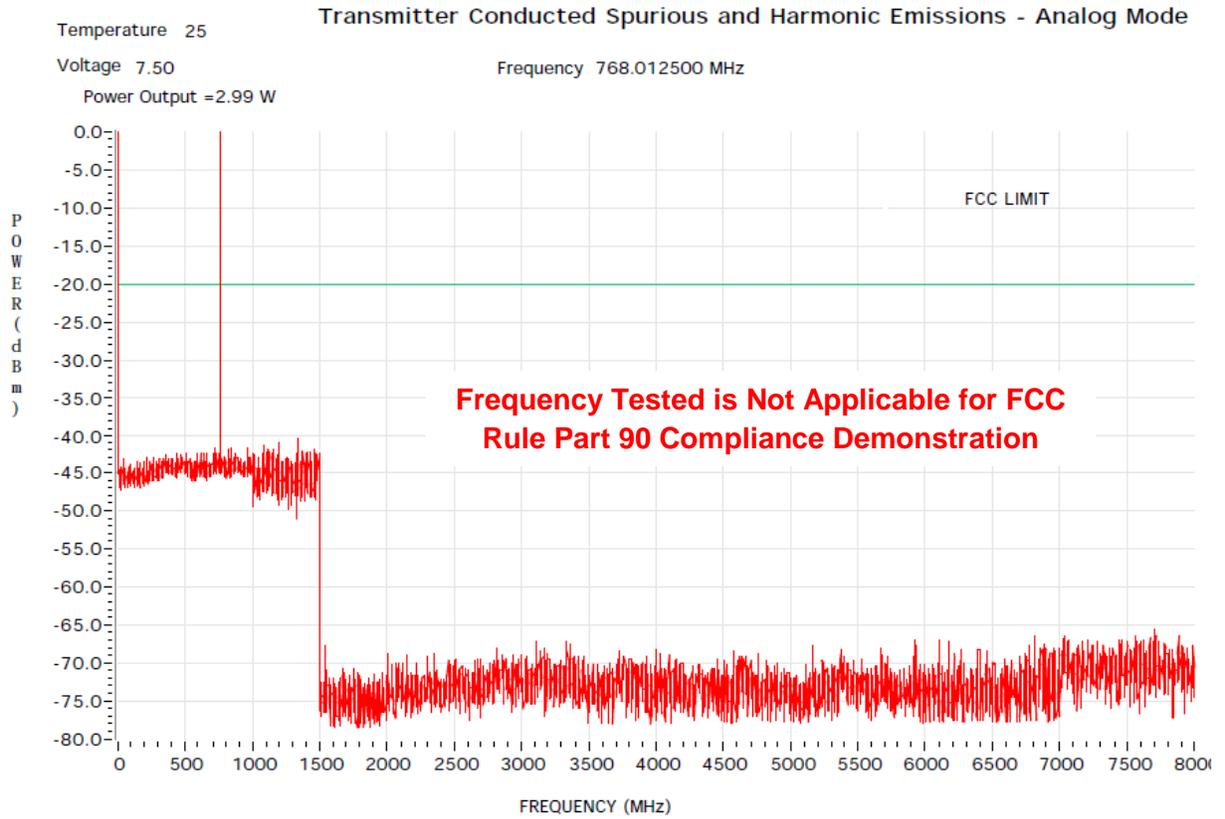


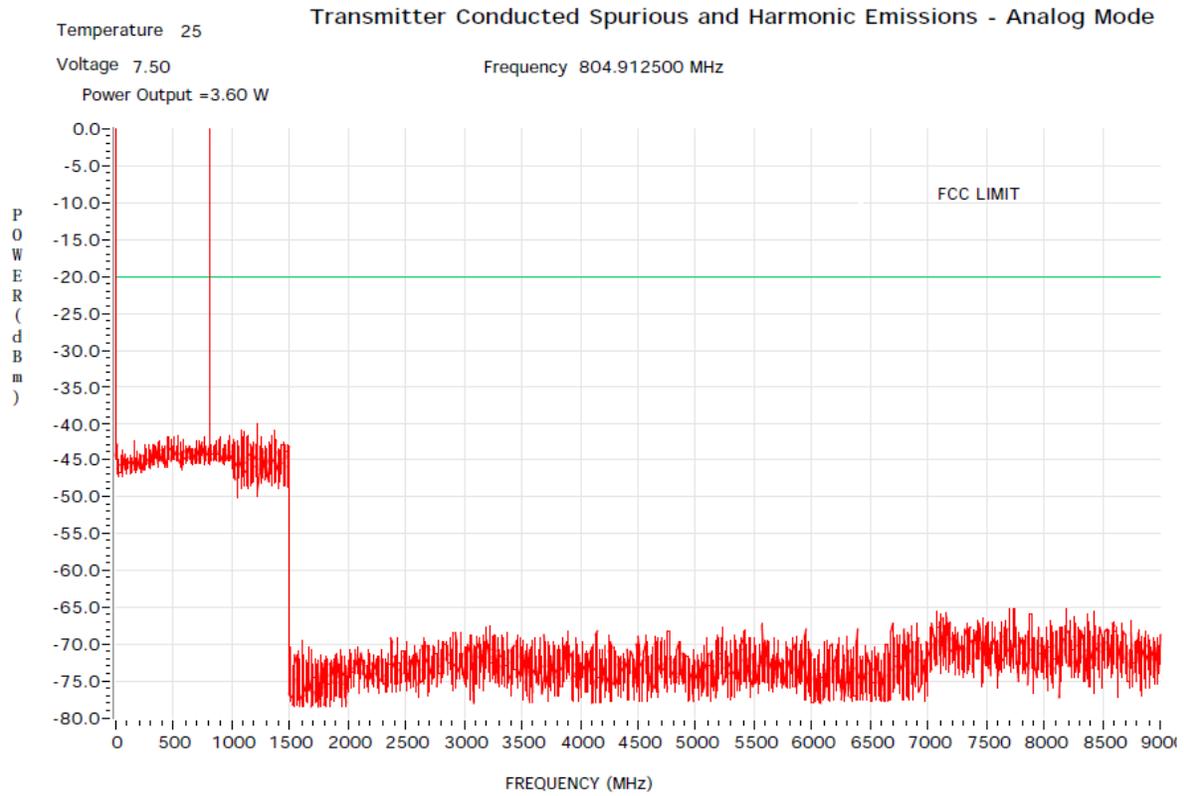


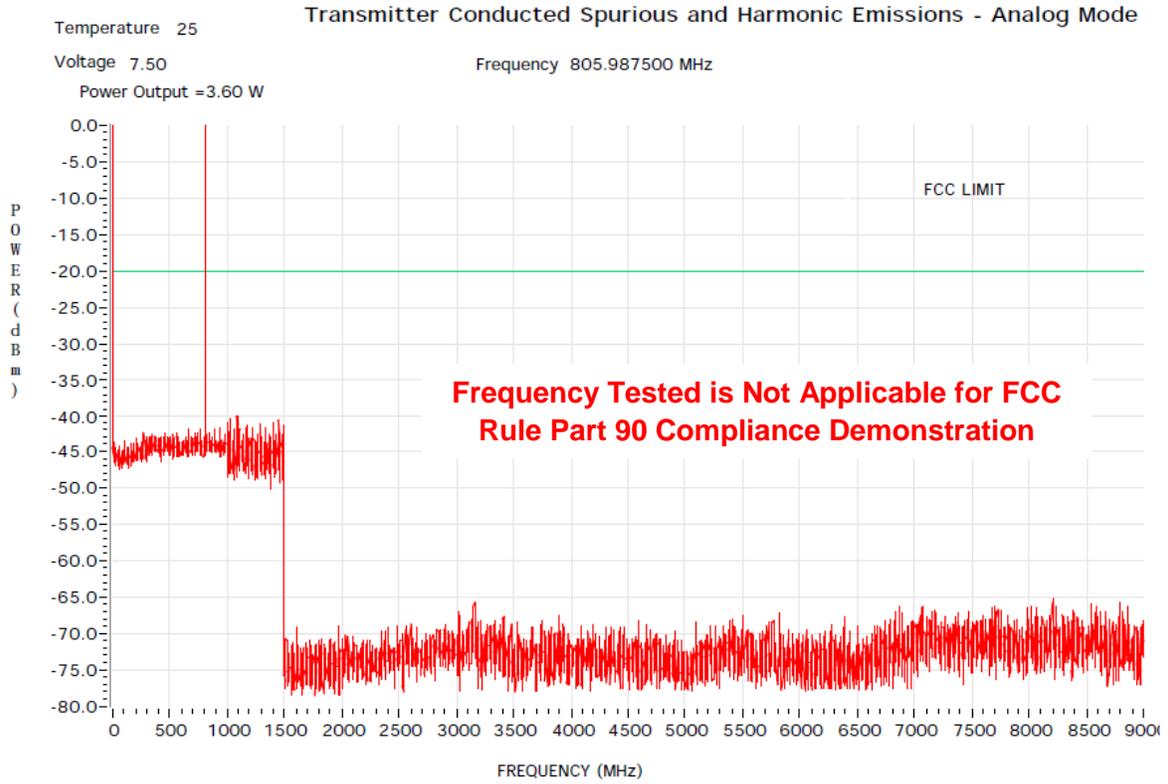


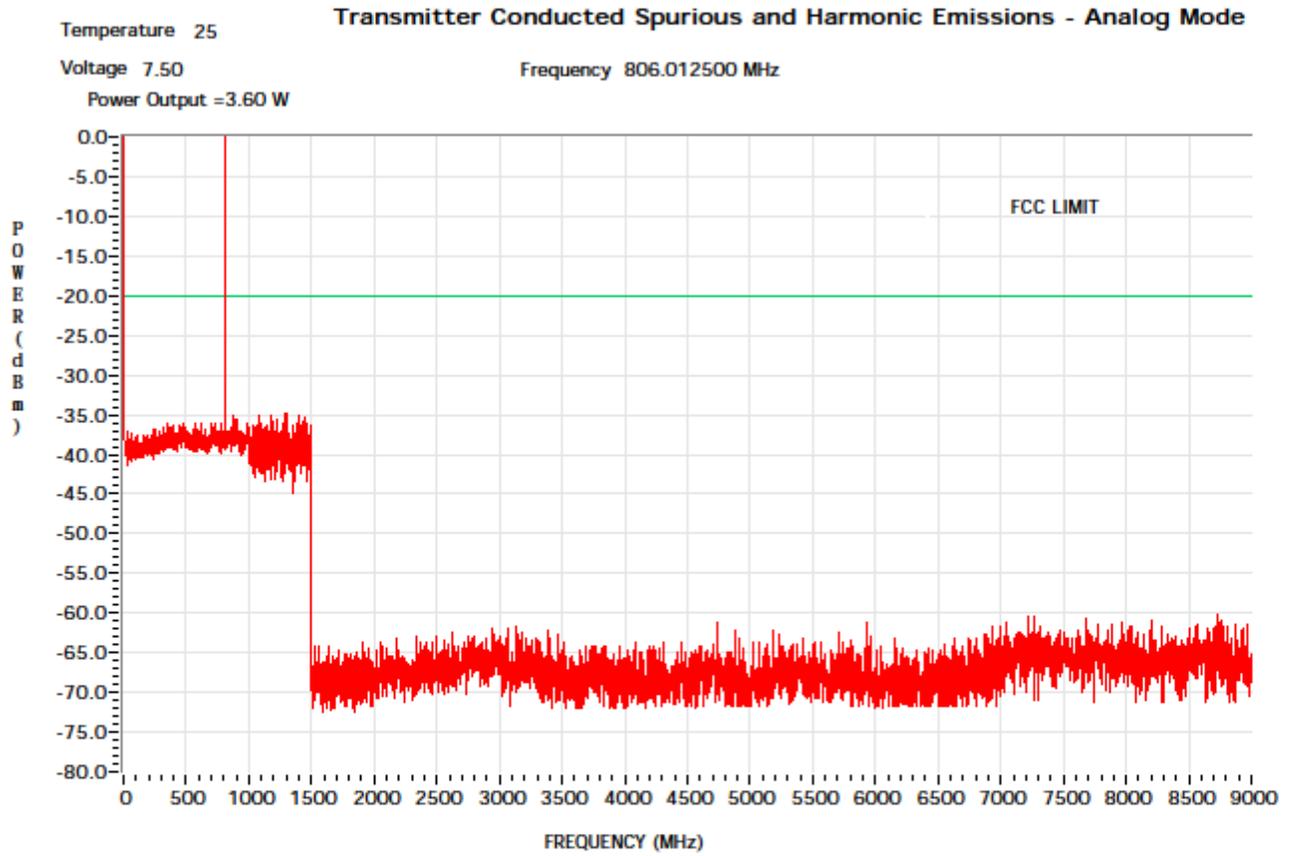


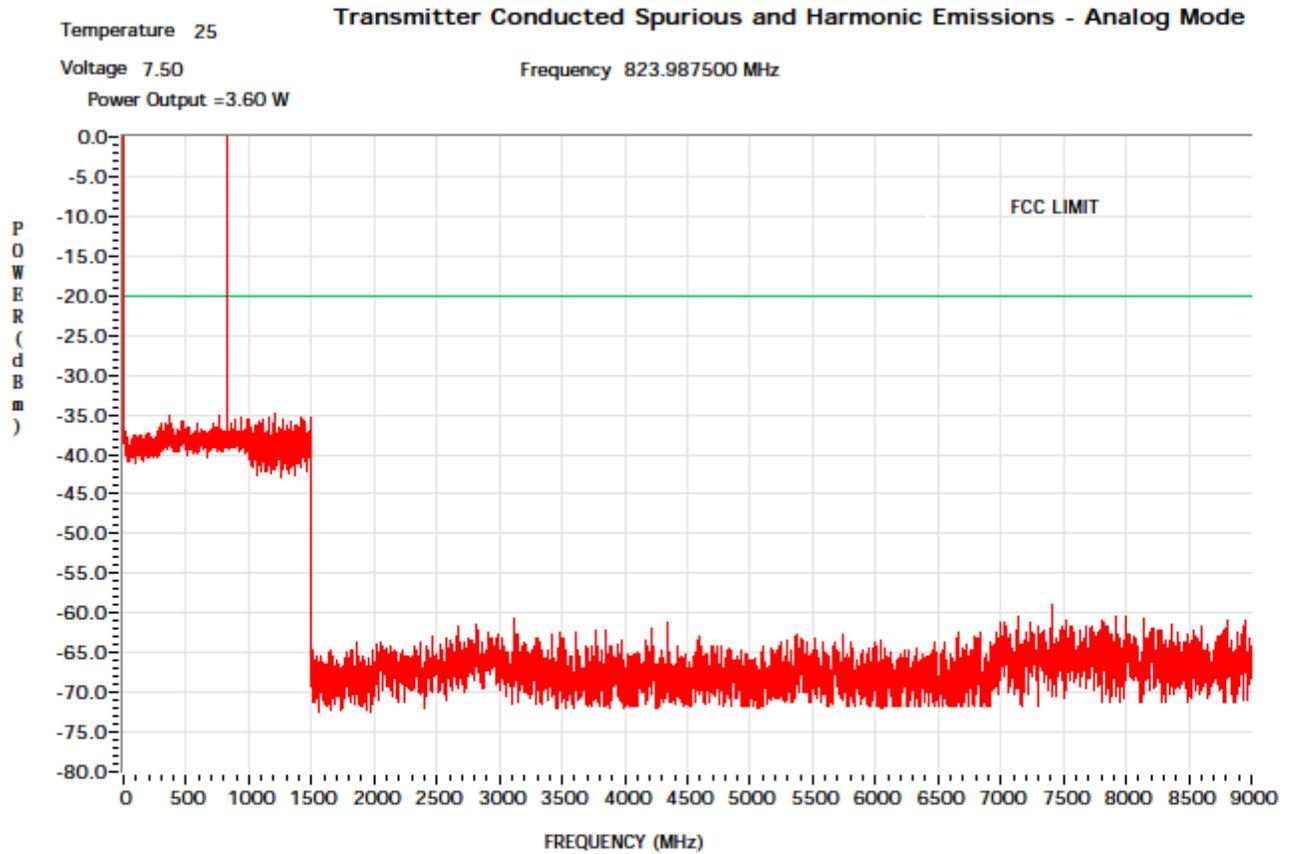


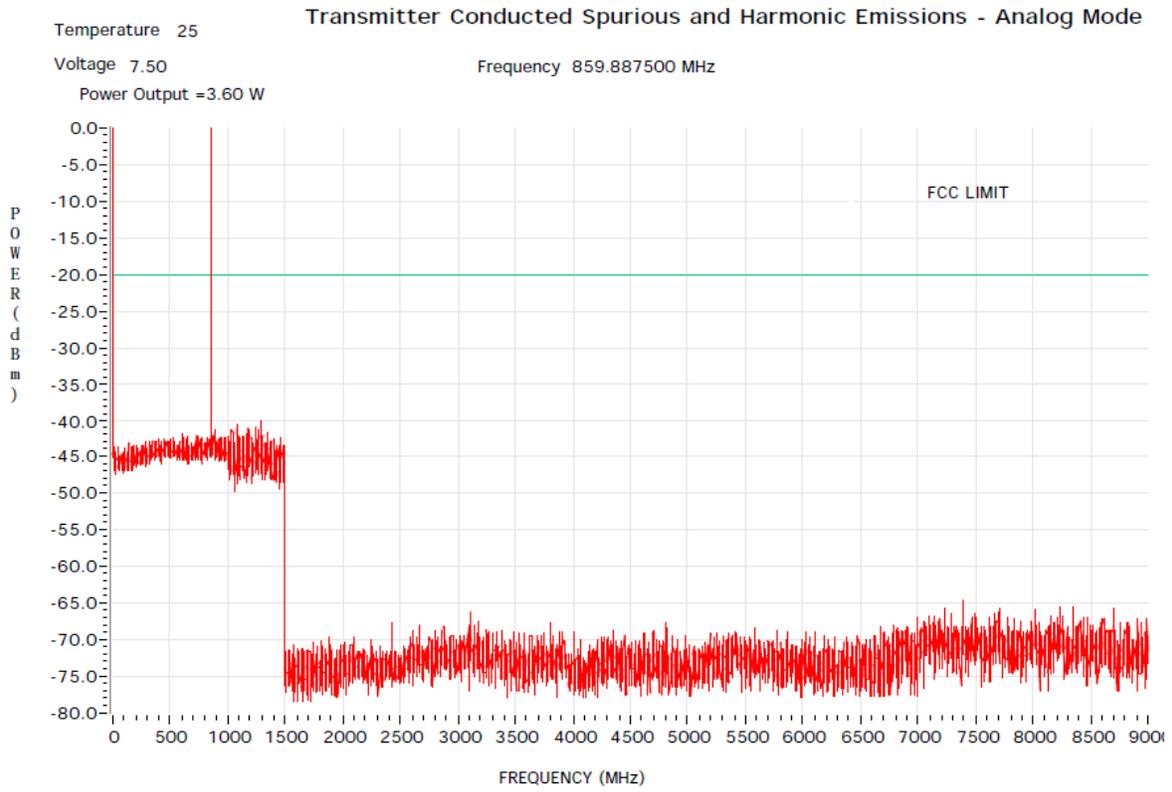


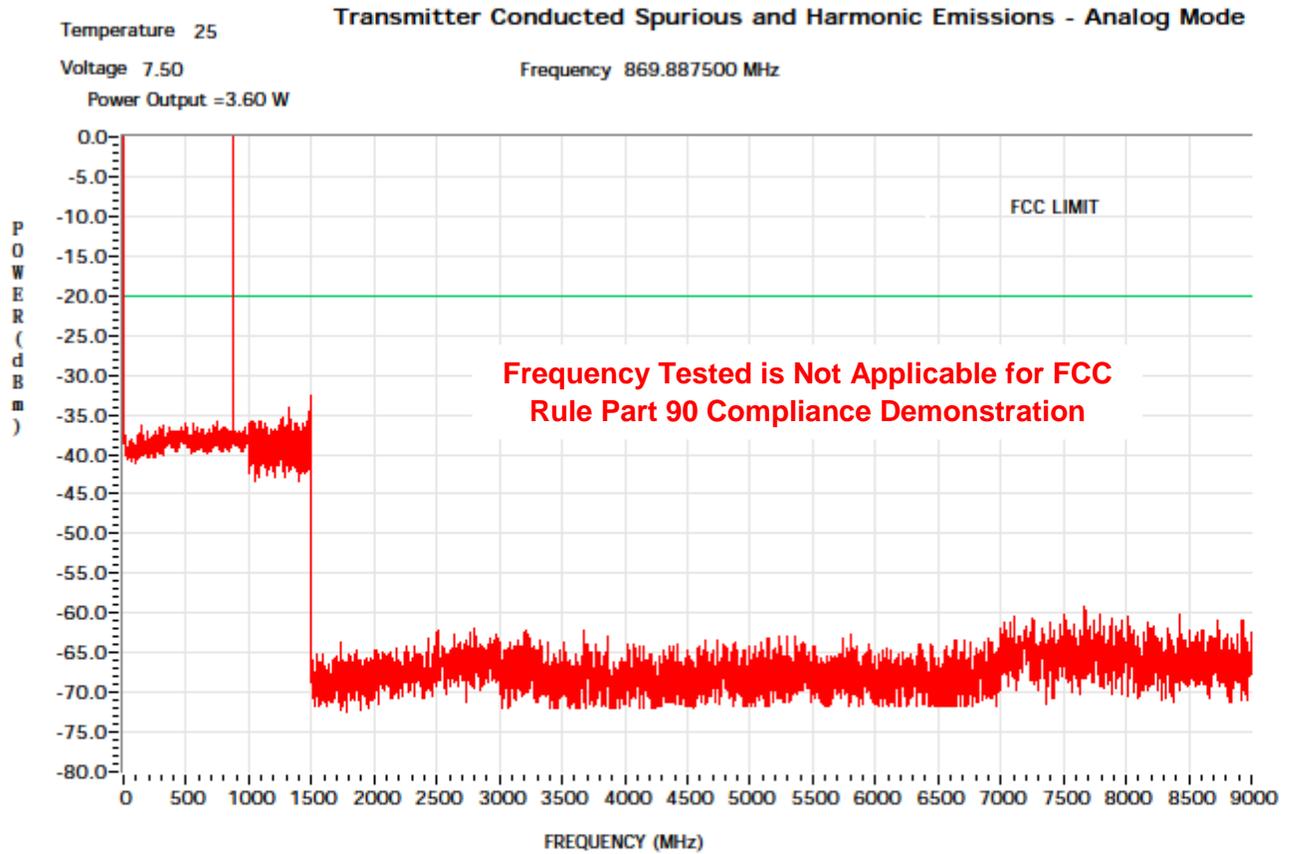












## Exhibit 6F

6. Adjacent Channel Coupled Power Ratio

ANALOG 12.5 kHz Channel Spacing 799.0875 MHz				
Offset (kHz)	Meas BW (kHz)	Lower	Upper	Spec (dB)
9.375	6.25	-45.7	-49.2	-40
15.625	6.25	-75.7	-76	-60
21.875	6.25	-80.2	-80.2	-60
37.5	25	-75.9	-75.3	-60
62.5	25	-82	-82.1	-65
87.5	25	-84.2	-84.3	-65
150	100	-78.2	-78	-65
250	100	-82.3	-82.1	-65
350	100	-84.8	-85.2	-65
400k - 12M	30 (swept)	< -75	< -75	-75
12M - RX	30 (swept)	< -75	< -75	-75
RX Band	30 (swept)	< -100	< -100	-100

ANALOG 25 kHz Channel Spacing 799.0875 MHz				
Offset (kHz)	Meas BW (kHz)	Lower	Upper	Spec (dB)
15.625	6.25	-71.4	-72	-40
21.875	6.25	-79.3	-80.1	-60
37.5	25	-77.9	-77.8	-60
62.5	25	-83.2	-83.9	-65
87.5	25	-84.6	-85.2	-65
150	100	-77.6	-77.8	-65
250	100	-82	-82.1	-65
350	100	-84.3	-84.3	-65
400k - 12M	30 (swept)	< -75	< -75	-75
12M - RX	30 (swept)	< -75	< -75	-75
RX Band	30 (swept)	< -100	< -100	-100

**25kHz CH Spacing Tested is Not Applicable for  
FCC Rule Part 90 Compliance Demonstration**

<b>APCO 12.5 kHz Channel Spacing Digital Data 799.0875 MHz</b>				
<b>Offset (kHz)</b>	<b>Meas BW (kHz)</b>	<b>Lower</b>	<b>Upper</b>	<b>Spec (dB)</b>
9.375	6.25	-42.3	-41	-40
15.625	6.25	-75.5	-75	-60
21.875	6.25	-78.9	-78.3	-60
37.5	25	-77.2	-76.5	-60
62.5	25	-81.2	-80.7	-65
87.5	25	-83	-82.6	-65
150	100	-73.6	-72.7	-65
250	100	-77.6	-76.7	-65
350	100	-80.6	-79.3	-65
400k - 12M	30 (swept)	< -75	< -75	-75
12M - RX	30 (swept)	< -75	< -75	-75
RX Band	30 (swept)	< -100	< -100	-100

<b>12.5 kHz Channel Spacing F2 Mode 799.0875 MHz</b>				
<b>Offset (kHz)</b>	<b>Meas BW (kHz)</b>	<b>Lower</b>	<b>Upper</b>	<b>Spec (dB)</b>
9.375	6.25	-42.2	-41.5	-40
15.625	6.25	-75	-74.2	-60
21.875	6.25	-77.5	-77.2	-60
37.5	25	-74.7	-74.9	-60
62.5	25	-75.6	-75.7	-65
87.5	25	-76.6	-76.5	-65
150	100	-72.9	-73.7	-65
250	100	-77	-77.3	-65
350	100	-80	-79.7	-65
400k - 12M	30 (swept)	< -75	< -75	-75
12M - RX	30 (swept)	< -75	< -75	-75
RX Band	30 (swept)	< -100	< -100	-100

<b>ANALOG 12.5 kHz Channel Spacing 769.0625 MHz</b>				
<b>Offset (kHz)</b>	<b>Meas BW (kHz)</b>	<b>Lower</b>	<b>Upper</b>	<b>Spec (dB)</b>
9.375	6.25	-45.7	-49.2	-40
15.625	6.25	-75.7	-76	-60
21.875	6.25	-80.2	-80.2	-60
37.5	25	-75.9	-75.3	-60
62.5	25	-82	-82.1	-65
87.5	25	-84.2	-84.3	-65
150	100	-78.2	-78	-65
250	100	-82.3	-82.1	-65
350	100	-84.8	-85.2	-65
400k - 12M	30 (swept)	< -75	< -75	-75
12M - RX	30 (swept)	< -75	< -75	-75
RX Band	30 (swept)	< -100	< -100	-100

<b>ANALOG 25 kHz Channel Spacing 769.0625 MHz</b>				
<b>Offset (kHz)</b>	<b>Meas BW (kHz)</b>	<b>Lower</b>	<b>Upper</b>	<b>Spec (dB)</b>
15.625	6.25	-71.4	-72	-40
21.875	6.25	-79.3	-80.1	-60
37.5	25	-77.9	-77.8	-60
62.5	25	-83.2	-83.9	-65
87.5	25	-84.6	-85.2	-65
150	100	-77.6	-77.8	-65
250	100	-82	-82.1	-65
350	100	-84.3	-84.3	-65
400k - 12M	30 (swept)	< -75	< -75	-75
12M - RX	30 (swept)	< -75	< -75	-75
RX Band	30 (swept)	< -100	< -100	-100

**25kHz CH Spacing Tested is Not Applicable for  
 FCC Rule Part 90 Compliance Demonstration**

<b>APCO 12.5 kHz Channel Spacing Digital Data 769.0625 MHz</b>				
<b>Offset (kHz)</b>	<b>Meas BW (kHz)</b>	<b>Lower</b>	<b>Upper</b>	<b>Spec (dB)</b>
9.375	6.25	-42.3	-41	-40
15.625	6.25	-75.5	-75	-60
21.875	6.25	-78.9	-78.3	-60
37.5	25	-77.2	-76.5	-60
62.5	25	-81.2	-80.7	-65
87.5	25	-83	-82.6	-65
150	100	-73.6	-72.7	-65
250	100	-77.6	-76.7	-65
350	100	-80.6	-79.3	-65
400k - 12M	30 (swept)	< -75	< -75	-75
12M - RX	30 (swept)	< -75	< -75	-75
RX Band	30 (swept)	< -100	< -100	-100

<b>12.5 kHz Channel Spacing F2 Mode769.0625MHz</b>				
<b>Offset (kHz)</b>	<b>Meas BW (kHz)</b>	<b>Lower</b>	<b>Upper</b>	<b>Spec (dB)</b>
9.375	6.25	-42.2	-41.5	-40
15.625	6.25	-75	-74.2	-60
21.875	6.25	-77.5	-77.2	-60
37.5	25	-74.7	-74.9	-60
62.5	25	-75.6	-75.7	-65
87.5	25	-76.6	-76.5	-65
150	100	-72.9	-73.7	-65
250	100	-77	-77.3	-65
350	100	-80	-79.7	-65
400k - 12M	30 (swept)	< -75	< -75	-75
12M - RX	30 (swept)	< -75	< -75	-75
RX Band	30 (swept)	< -100	< -100	-100

### Exhibit 6G

#### 7. Transient Frequency Behavior

Equipment under test: H97TGD9PW1AN

Measurement Criteria **Compliance Testing**  
Modulation Limiting @ 12.5 kHz & 25 kHz  
Frequencies: 154.225 MHz

Results Summary: EUT meets the test requirements

TX 154.225MHz – 12.5kHz Channel Spacing – Transmitter On

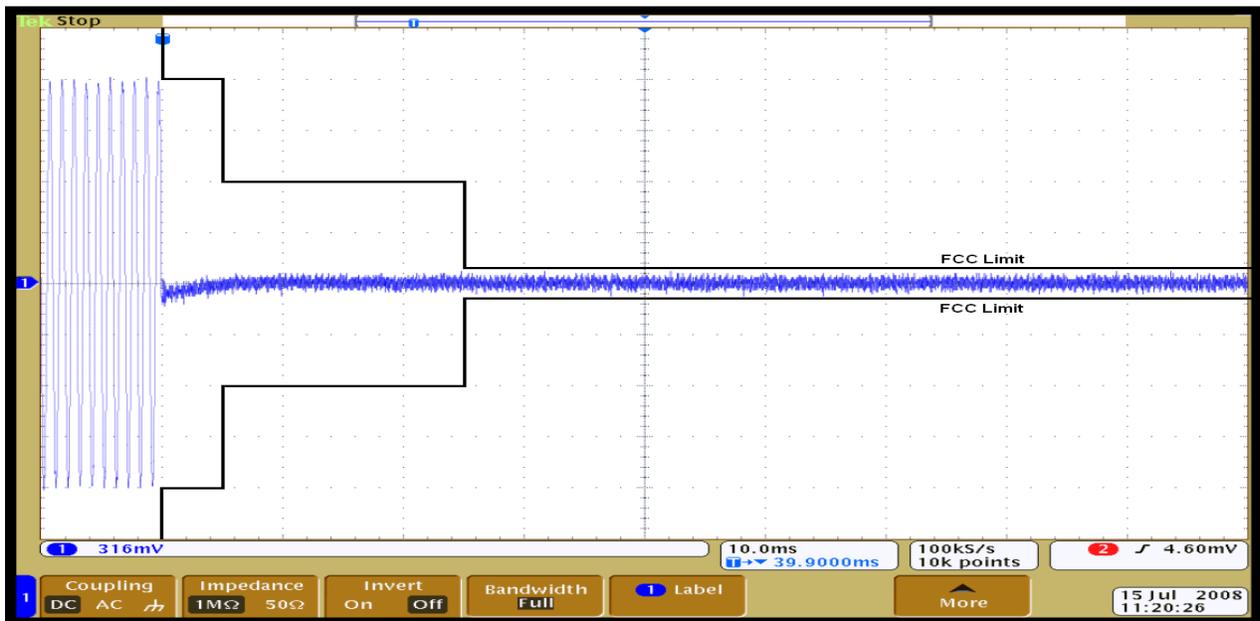


Exhibit 6G-1

TX 154.225Mhz – 12.5kHz Channel Spacing – Transmitter Off

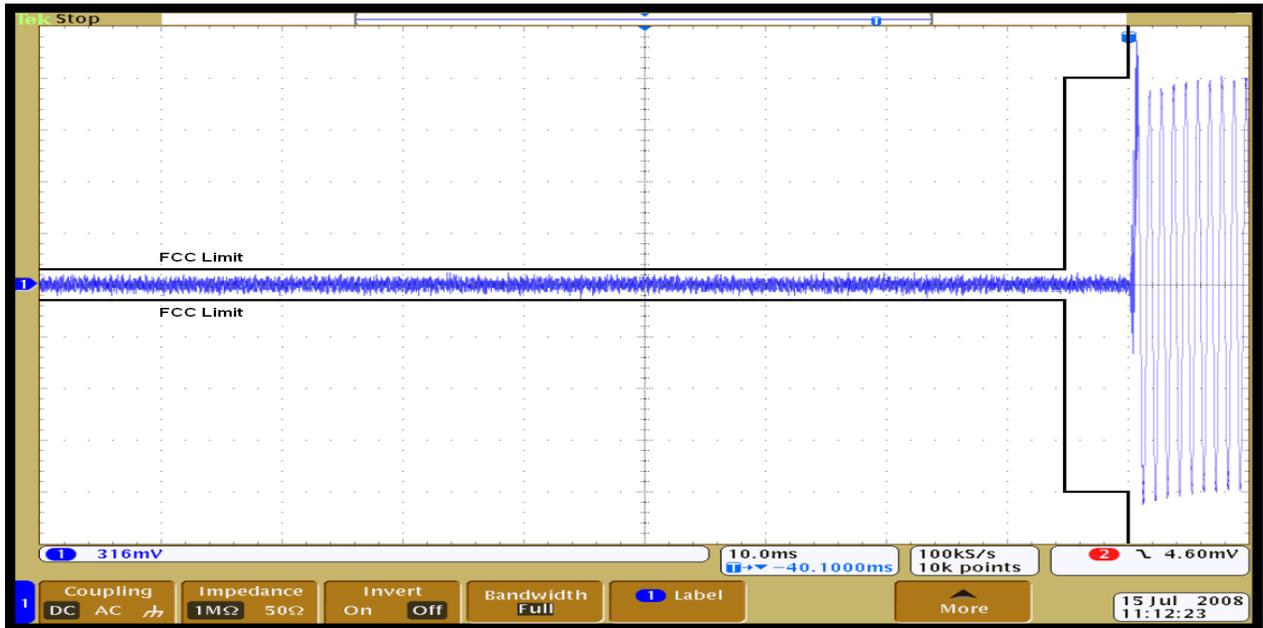


Exhibit 6G-2

Transmit at 154.225MHz – 25kHz Channel Spacing – Transmitter On

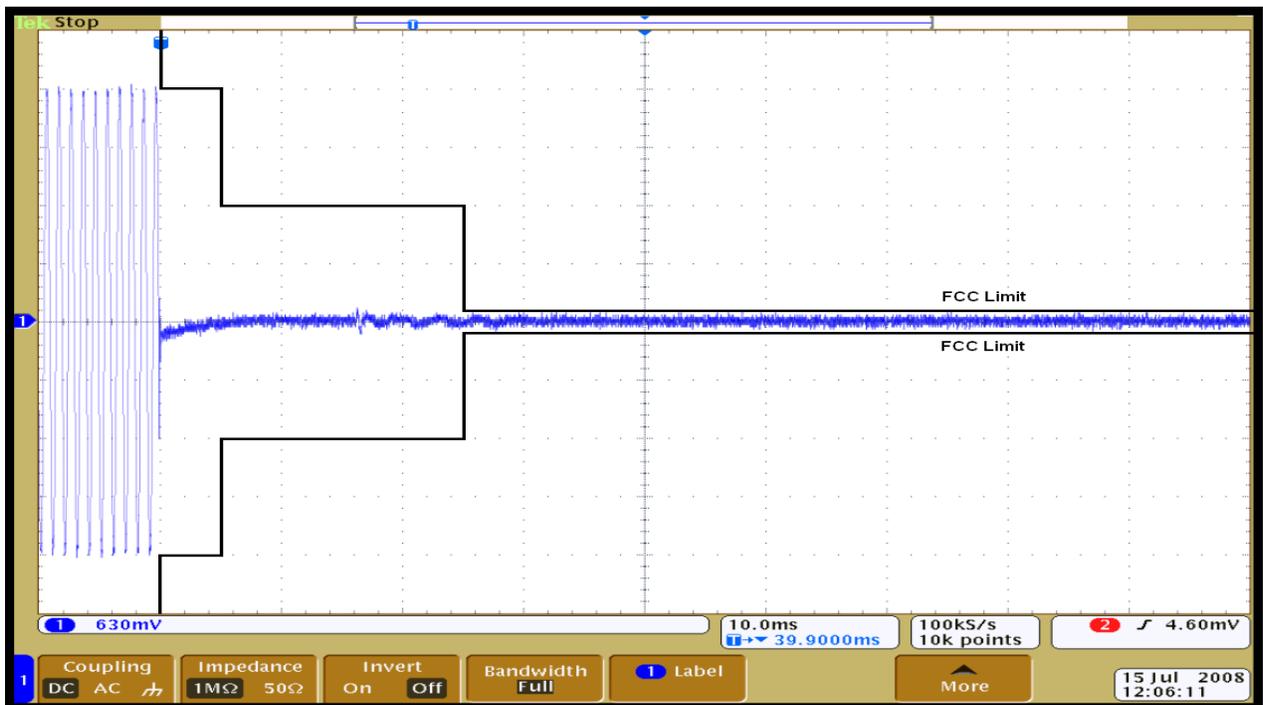


Exhibit 6G-3

Transmit at 154.225MHz – 25kHz Channel Spacing – Transmitter Off

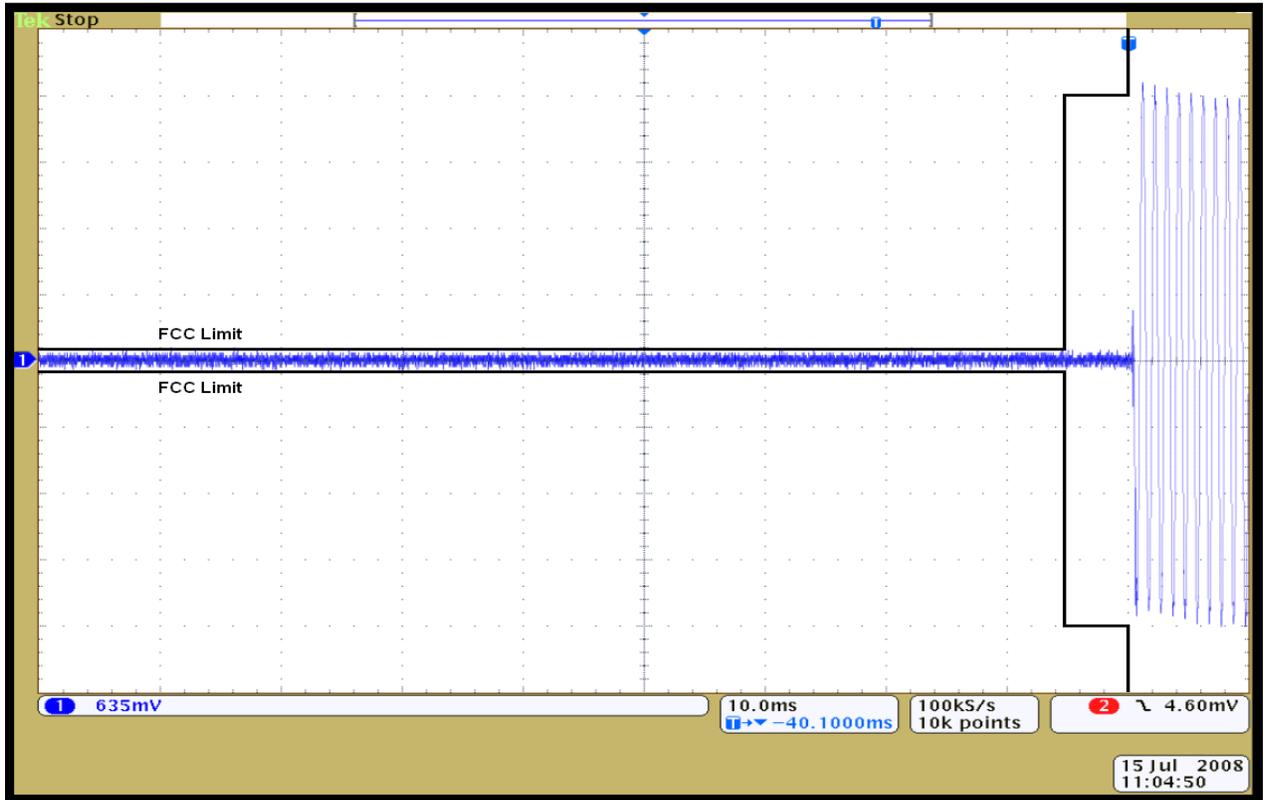


Exhibit 6G-4

### Exhibit 6H

#### 8. Frequency Stability

Equipment under test: H97TGD9PW1AN S/N: CAH13CX9CT

Results Summary: EUT meets the test requirements. The Frequency tested is 157.8MHz.

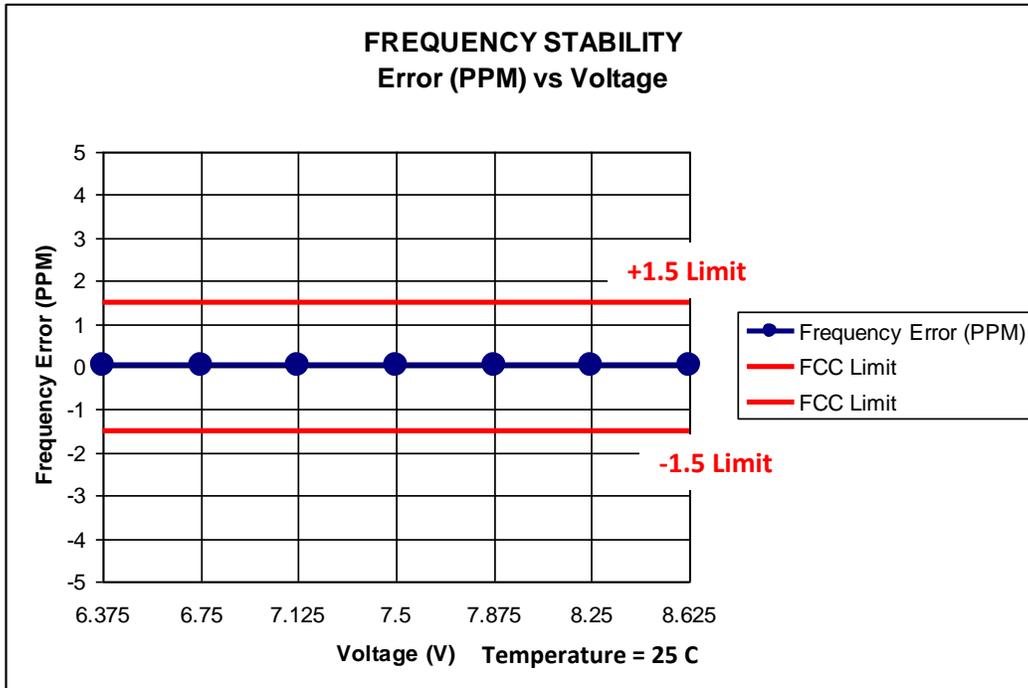


Exhibit 6H-1

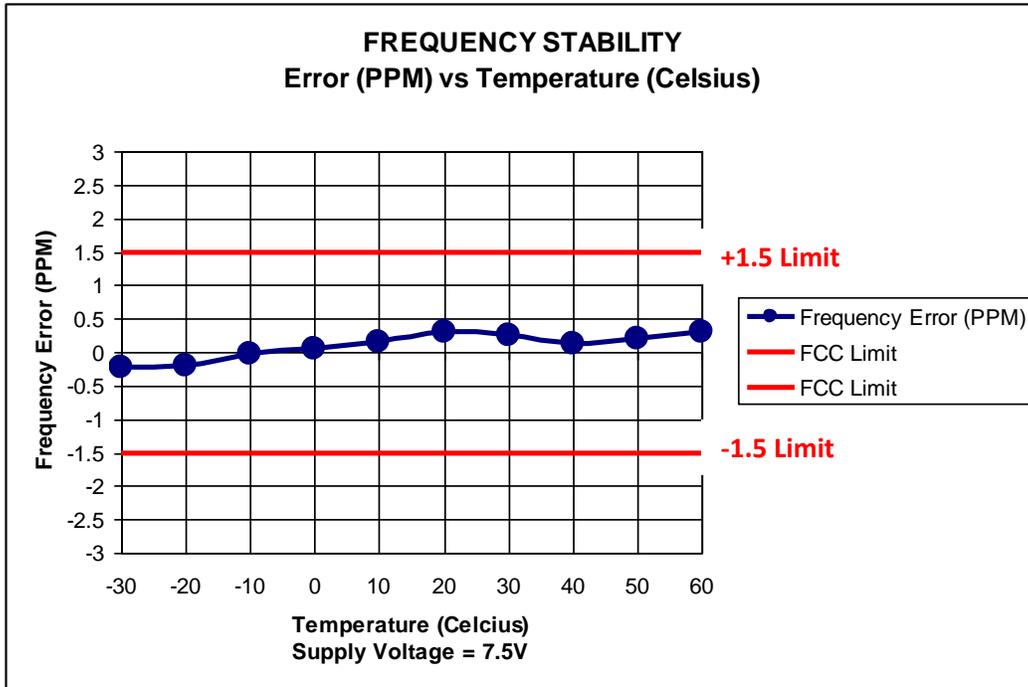


Exhibit 6H-2

Equipment under test: H97TGD9PW1AN S/N: CAH13CX9CT

Results Summary: EUT meets the test requirements. The Frequency tested is 806.0125MHz.

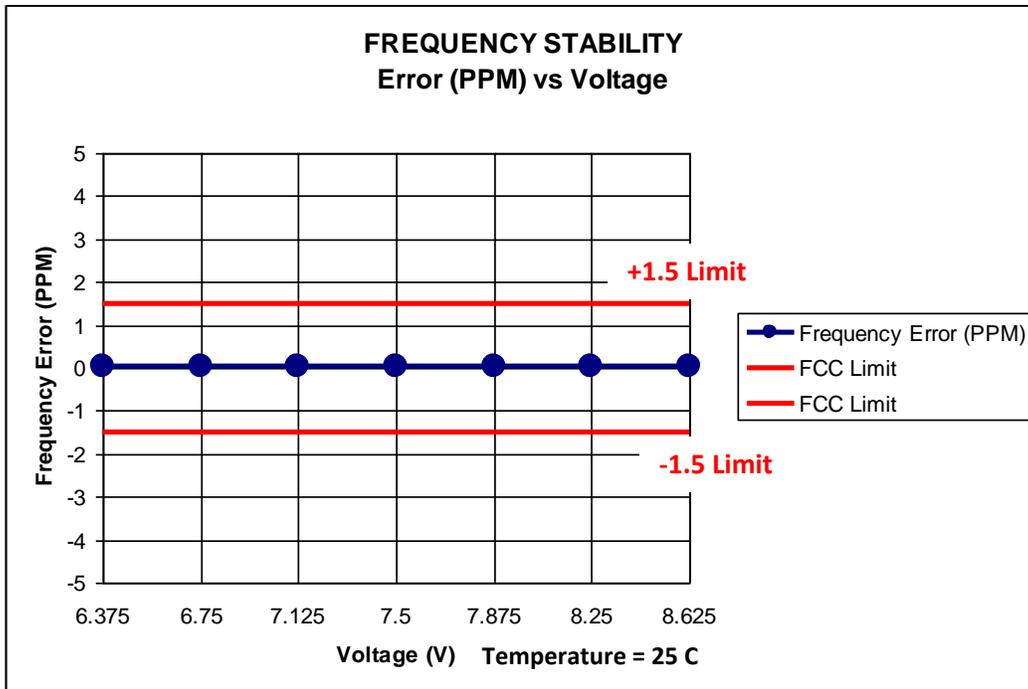


Exhibit 6H-3

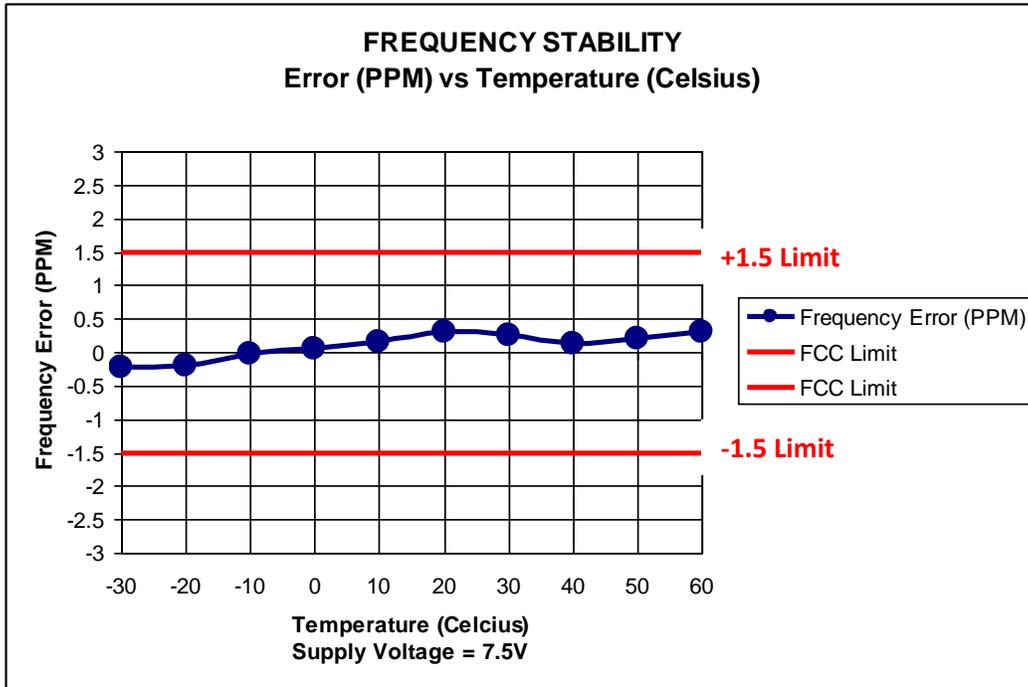


Exhibit 6H-4

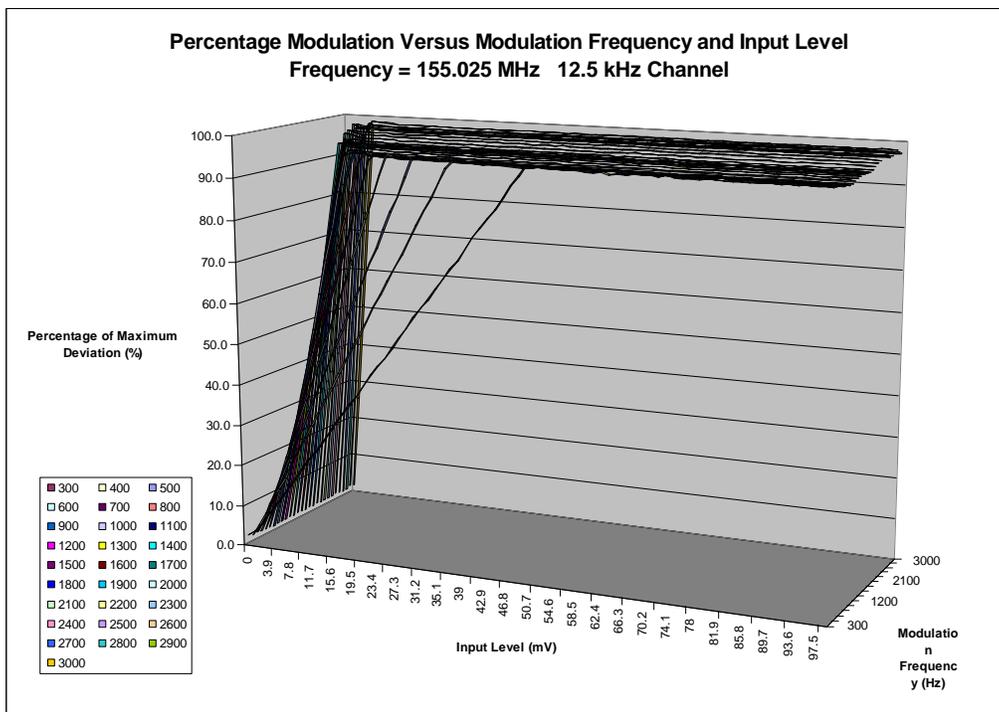
Exhibit 6I

9. Modulation Limiting

Equipment under test: H97TGD9PW1AN S/N: CAH13CX9CT

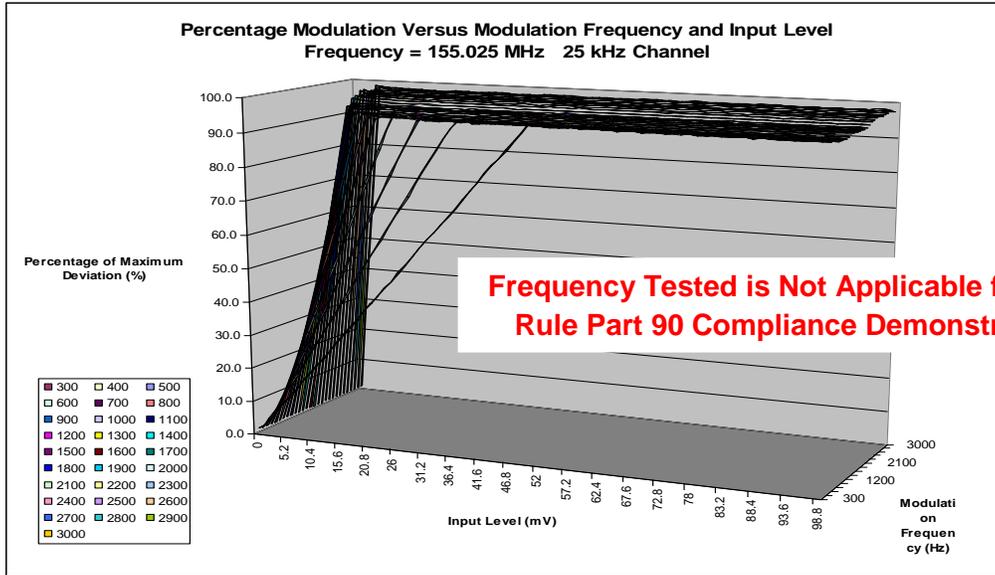
Measurement Criteria **Compliance Testing**  
 Modulation Limiting @ 12.5 kHz & 25 kHz  
 Frequencies: 155.025 MHz, 768.0125 MHz, 809.025 MHz

Results Summary: EUT meets the test requirements



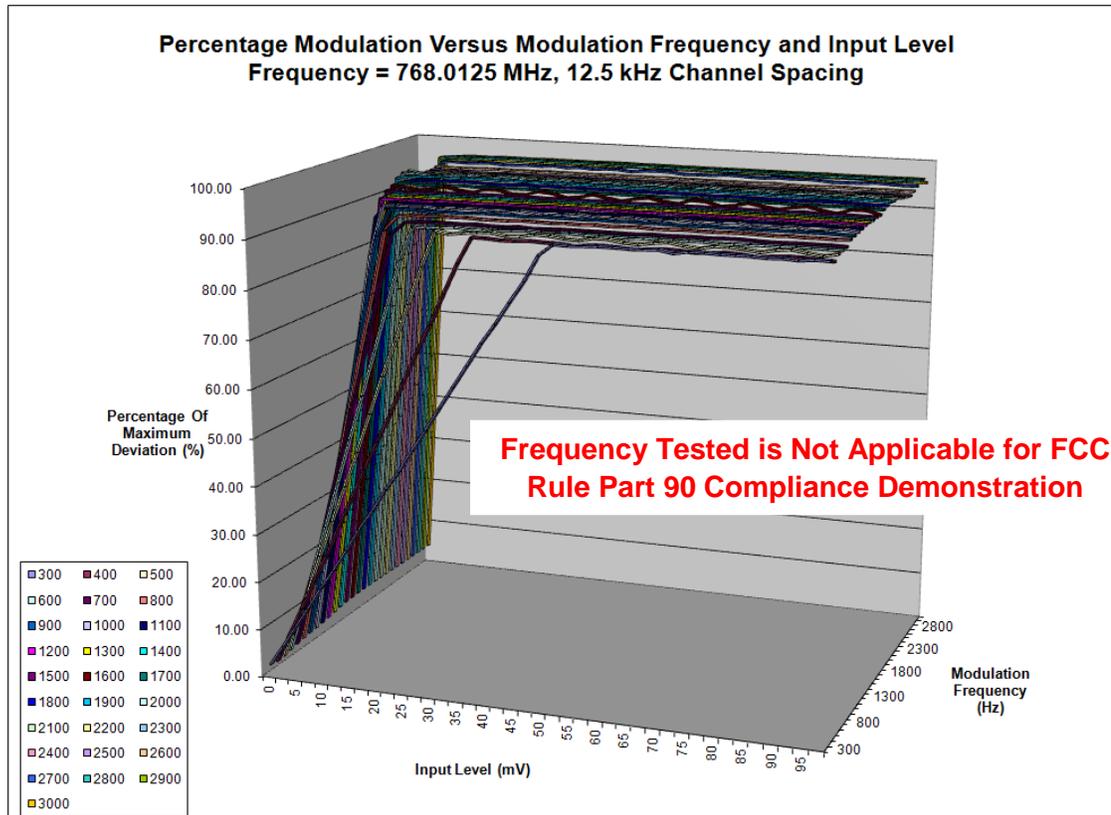
The Percentage of Max. Deviation on the "Z" axis is referenced to 2.5kHz for 12.5kHz bandwidth

Exhibit 6I-1



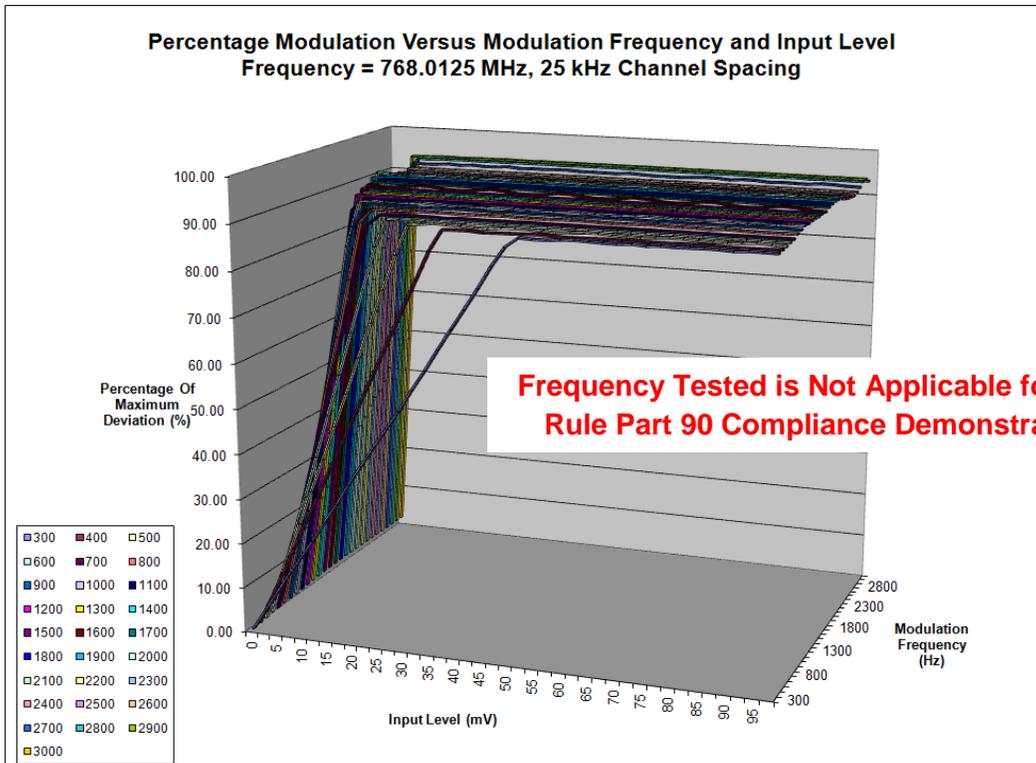
The Percentage of Max. Deviation on the "Z" axis is referenced to 5.0kHz for 25kHz bandwidth

Exhibit 6I-2



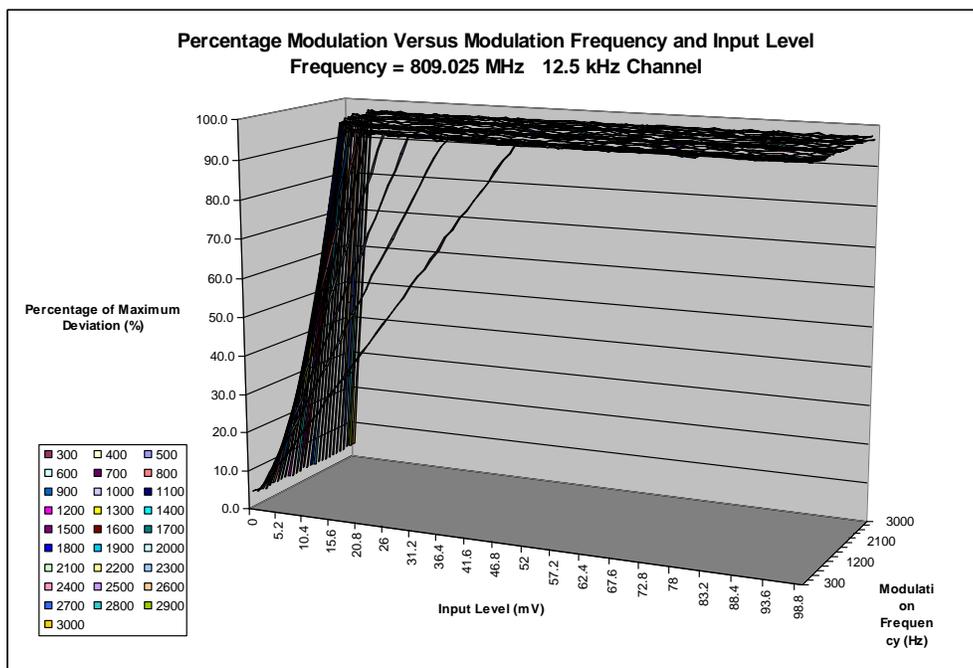
The Percentage of Max. Deviation on the "Z" axis is referenced to 2.5kHz for 12.5kHz bandwidth

Exhibit 6I-3



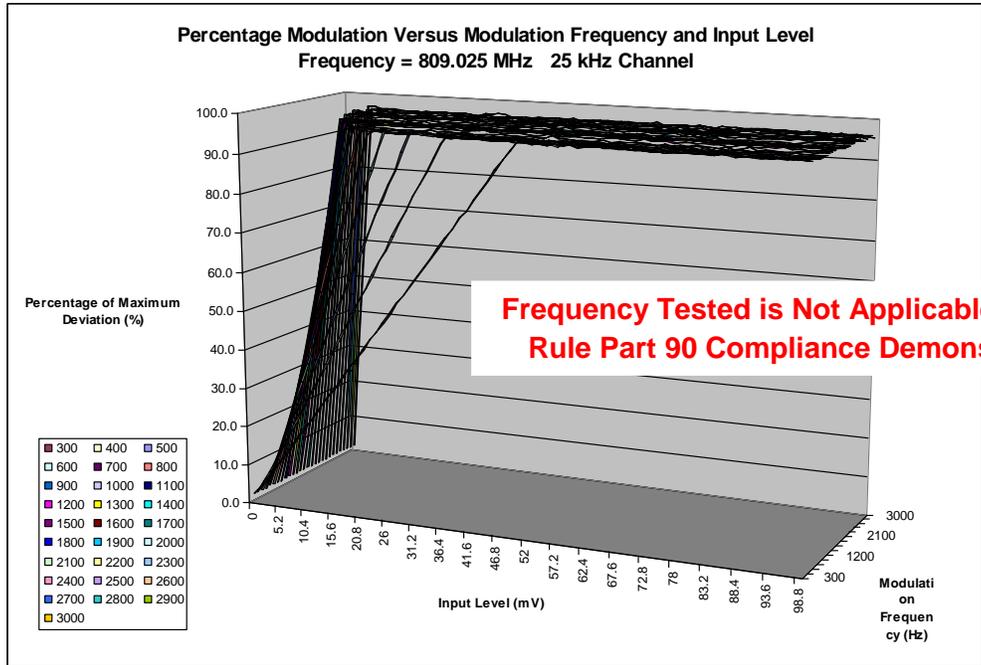
The Percentage of Max. Deviation on the "Z" axis is referenced to 2.5kHz for 12.5kHz bandwidth

Exhibit 6I-4



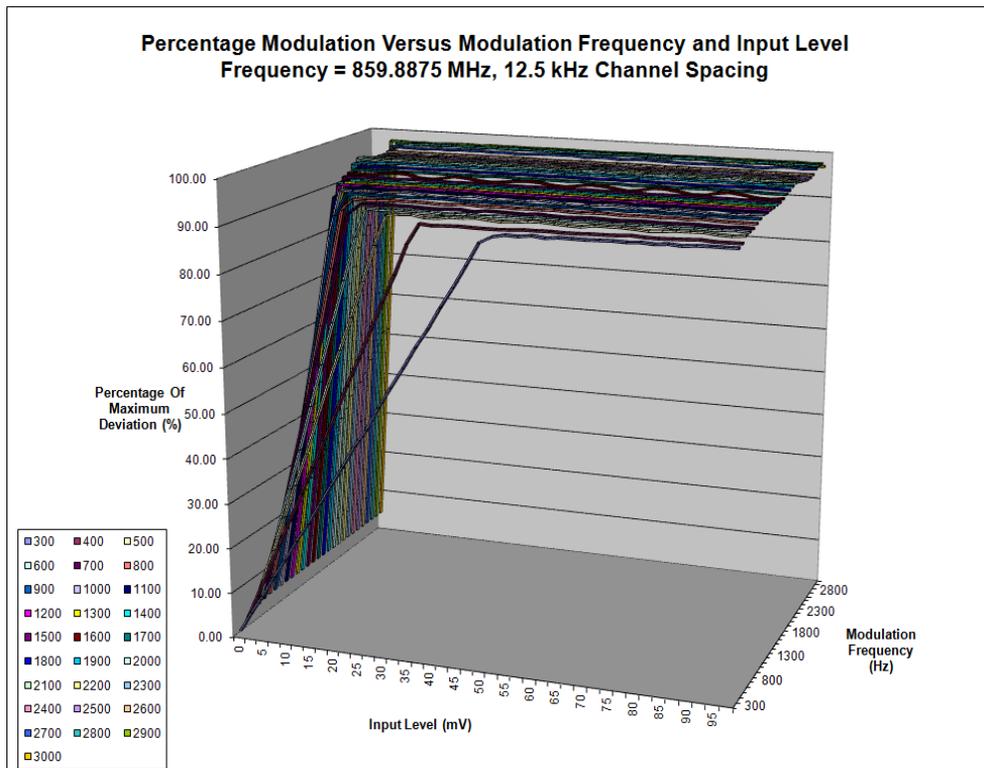
The Percentage of Max. Deviation on the "Z" axis is referenced to 2.5kHz for 12.5kHz bandwidth

Exhibit 6I-5



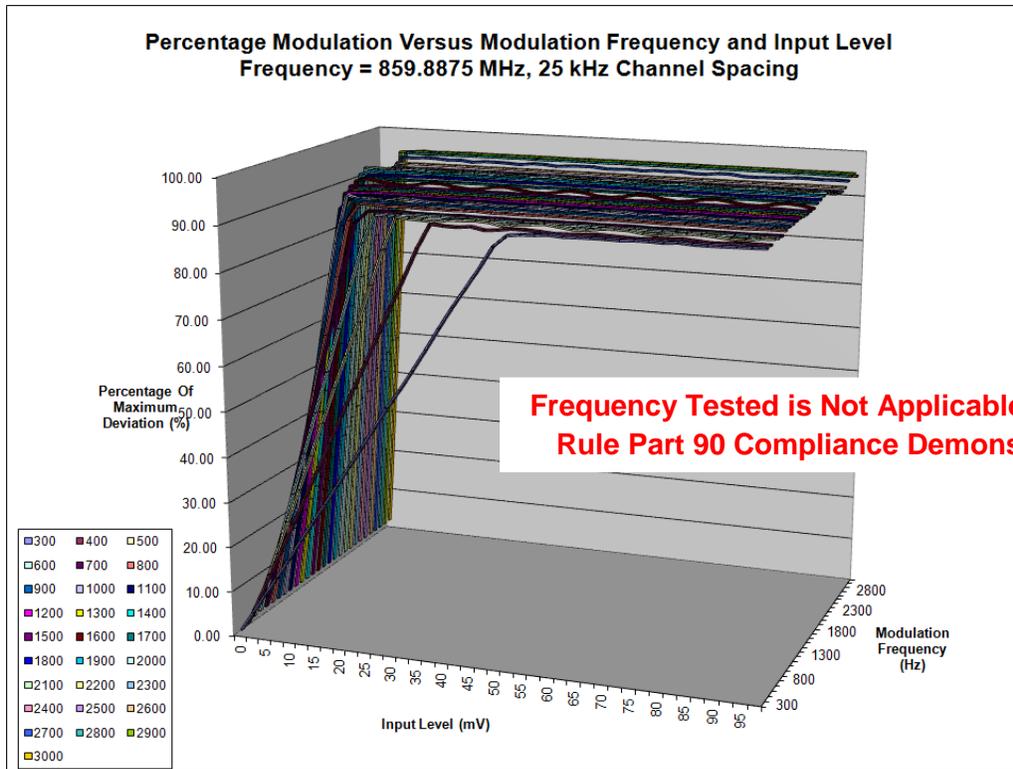
The Percentage of Max. Deviation on the "Z" axis is referenced to 5.0kHz for 25kHz bandwidth

Exhibit 6I-6



The Percentage of Max. Deviation on the "Z" axis is referenced to 5.0kHz for 25kHz bandwidth

Exhibit 6I-7



The Percentage of Max. Deviation on the “Z” axis is referenced to 5.0kHz for 25kHz bandwidth

Exhibit 6I-8

Exhibit 6J

10. Audio Frequency Response

Equipment under test: H97TGD9PW1AN S/N: CAH13CX9CT

Measurement Criteria **Compliance Testing**  
Audio Frequency Response

Results Summary: EUT meets the test requirements

Test Configurations: Audio Frequency Response @ 12.5 kHz channel spacing  
Frequency: 157.8 MHz, 799.0875 MHz, 860.0125 MHz. All three frequencies have the exact same plot as below.

