

**EXHIBIT 6**

**INDEX OF SUBMITTED MEASURED DATA**

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

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**EXHIBIT 6B** – Audio Frequency Response (2 Graphs)

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6B-2 - 12.5 kHz Channel Spacing, 937.5 MHz

**EXHIBIT 6C** – Audio Low Pass Filter Response (2 Graphs)

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6C-2 –12.5 kHz Channel Spacing, 937.5 MHz

**EXHIBIT 6D** – Modulation Limiting (6 Graphs)

6D-1 –12.5 kHz Channel Spacing, 898.5 MHz, Carrier Squelch (CSQ) Mode

6D-2 –12.5 kHz Channel Spacing, 937.5 MHz, Carrier Squelch (CSQ) Mode

6D-3 –12.5 kHz Channel Spacing, 898.5 MHz, Tone Private Line (TPL) Mode

6D-4 –12.5 kHz Channel Spacing, 937.5 MHz, Tone Private Line (TPL) Mode

6D-5 –12.5 kHz Channel Spacing, 898.5 MHz, Digital Private Line (DPL) Mode

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6E-2 –12.5 kHz Channel Spacing, 938.5 MHz, 2500 Hz Audio Modulation Only

6E-3 –12.5 kHz Channel Spacing, 898.5 MHz, 2500 Hz Audio and TPL Tone Modulation

6E-4 –12.5 kHz Channel Spacing, 938.5 MHz, 2500 Hz Audio and TPL Tone Modulation

6E-5 –12.5 kHz Channel Spacing, 898.5 MHz, 2500 Hz Audio and DPL Tone Modulation

6E-6 –12.5 kHz Channel Spacing, 938.5 MHz, 2500 Hz Audio and DPL Tone Modulation

6E-7 -12.5 kHz Channel Spacing, 898.5 MHz, APCO25 Digital Voice (8K10F1E)

6E-8 -12.5 kHz Channel Spacing, 938.5 MHz, APCO25 Digital Voice (8K10F1E)

6E-9 -12.5 kHz Channel Spacing, 898.5 MHz, APCO25 Digital Data (8K10F1D)

6E-10 -12.5 kHz Channel Spacing, 938.5 MHz, APCO25 Digital Data (8K10F1D)

**EXHIBIT 6F** – Conducted Spurious Emissions (8 Graphs)

6F-1 - 3 Watts, 896.0125 MHz

6F-2 - 38 Watts, 896.0125 MHz

6F-3 - 3 Watts, 900.9875 MHz

6F-4 - 38 Watts, 900.9875 MHz

6F-5 - 3 Watts, 935.0125 MHz

6F-6 - 38 Watts, 935.0125 MHz

6F-7 - 3 Watts, 939.9875 MHz

6F-8 - 38 Watts, 939.9875 MHz

**EXHIBIT 6G** – Radiated Spurious Emissions (8 Graphs)

6G-1 - 38 Watts, 896.0125MHz

6G-2 - 38 Watts, 900.9875MHz

6G-3 - 38 Watts, 935.0125MHz

6G-4 - 38 Watts, 939.9875MHz

6G-5 - 3 Watts, 896.0125MHz

6G-6 - 3 Watts, 900.9875MHz

6G-7 - 3 Watts, 935.0125MHz,

6G-8 - 3 Watts, 939.9875MHz

**EXHIBIT 6H – Frequency Stability (Temperature/Supply Voltage (4 Graphs)**

6K-1 - Frequency Stability vs. Temperature, 898.5 MHz

6K-2 - Frequency Stability vs. Temperature, 937.5 MHz

6K-3 - Frequency Stability vs. Percentage of Supply Voltage Change, 898.5 MHz

6K-4 - Frequency Stability vs. Percentage of Supply Voltage Change, 937.5 MHz

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

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

**At maximum output power setting, Frequency 896.0125 MHz:**

Output RF power	37.8 Watts
DC Voltage	13.6 Volts
DC Current	9.18 Amps
DC Input Power	124.85 Watts

**At medium output power setting, Frequency 896.0125 MHz:**

Output RF power	10.8 Watts
DC Voltage	13.6 Volts
DC Current	4.65 Amps
DC Input Power	63.24 Watts

**At minimum output power setting, Frequency 896.0125 MHz:**

Output RF power	3.03 Watts
DC Voltage	13.6 Volts
DC Current	2.9 Amps
DC Input Power	39.44 Watts

**At maximum output power setting, Frequency 900.9875 MHz:**

Output RF power	38.0 Watts
DC Voltage	13.6 Volts
DC Current	9.10 Amps
DC Input Power	123.76 Watts

**At medium output power setting, Frequency 900.9875 MHz:**

Output RF power	11.0 Watts
DC Voltage	13.6 Volts
DC Current	4.66 Amps
DC Input Power	63.38 Watts

**At minimum output power setting, Frequency 900.9875 MHz:**

Output RF power	3.07 Watts
DC Voltage	13.6 Volts
DC Current	2.89 Amps
DC Input Power	39.3 Watts

**At maximum output power setting, Frequency 935.0125 MHz:**

Output RF power	37.9 Watts
DC Voltage	13.6 Volts
DC Current	8.90 Amps
DC Input Power	121.04 Watts

**At medium output power setting, Frequency 935.0125 MHz:**

Output RF power	11.0 Watts
DC Voltage	13.6 Volts
DC Current	4.67 Amps
DC Input Power	63.51 Watts

**At minimum output power setting, Frequency 935.0125 MHz:**

Output RF power	3.03 Watts
DC Voltage	13.6 Volts
DC Current	2.9 Amps
DC Input Power	39.44 Watts

**At maximum output power setting, Frequency 939.9875 MHz:**

Output RF power	38.0 Watts
DC Voltage	13.6 Volts
DC Current	8.87 Amps
DC Input Power	120.63 Watts

**At medium output power setting, Frequency 939.9875 MHz:**

Output RF power	11.0 Watts
DC Voltage	13.6 Volts
DC Current	4.67 Amps
DC Input Power	63.512 Watts

**At minimum output power setting, Frequency 939.9875 MHz:**

Output RF power	3.07 Watts
DC Voltage	13.6 Volts
DC Current	2.90 Amps
DC Input Power	39.44 Watts

EXHIBIT 6B – Transmit Audio Response - Pursuant 47 CFR 2.1047 and 2.1033(c)(13)

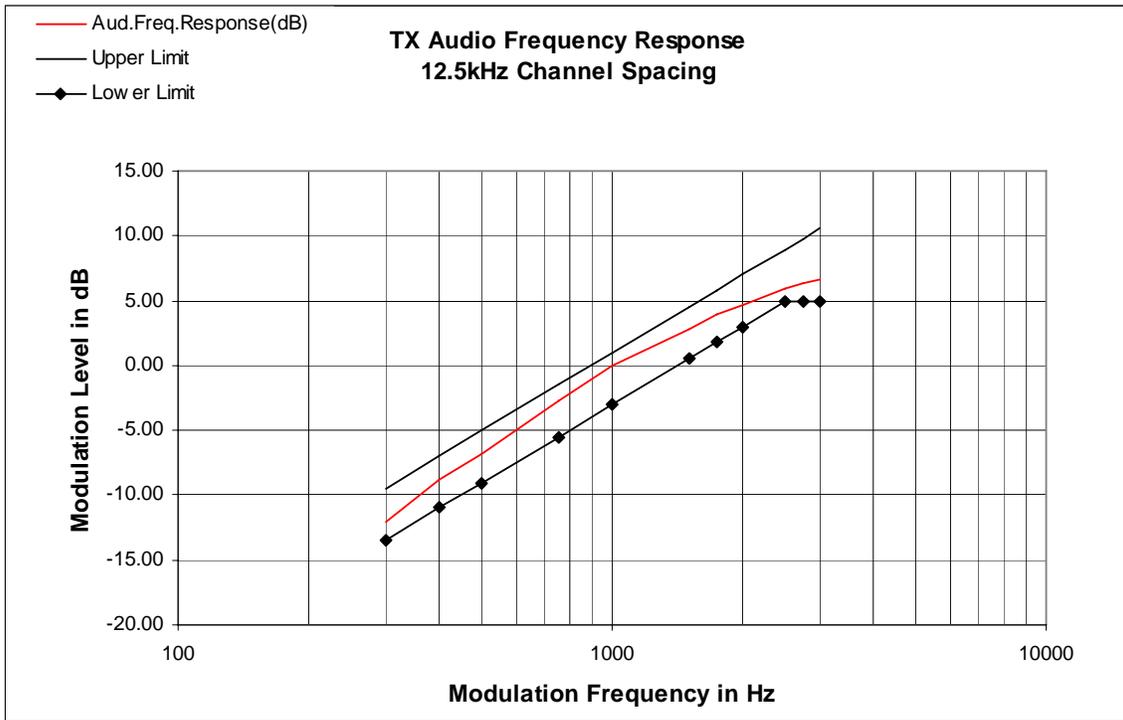


Figure 6B-1: 12.5 kHz Channel Spacing, Transmit Audio Response, Carrier Frequency 898.5 MHz

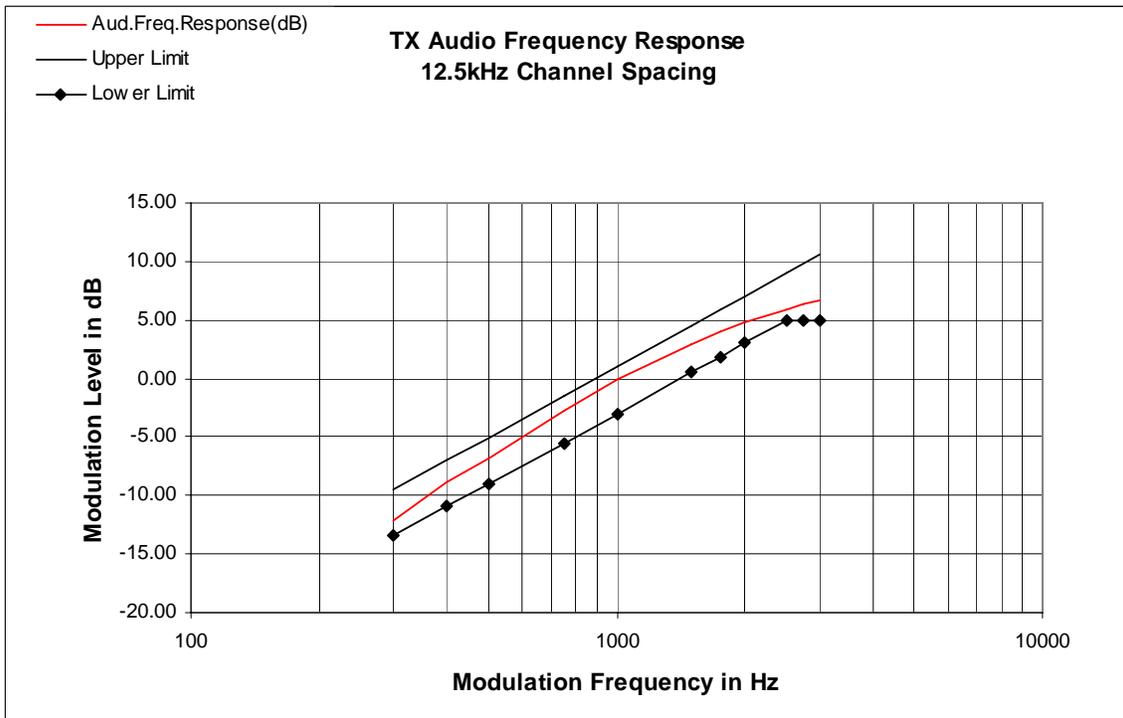


Figure 6B-2: 12.5 kHz Channel Spacing, Transmit Audio Response, Carrier Frequency 937.5 MHz

EXHIBIT 6C – Transmit Audio Post Limiter Low Pass Filter Response - Pursuant 47 CFR 2.1047 and 2.1033(c)(13)

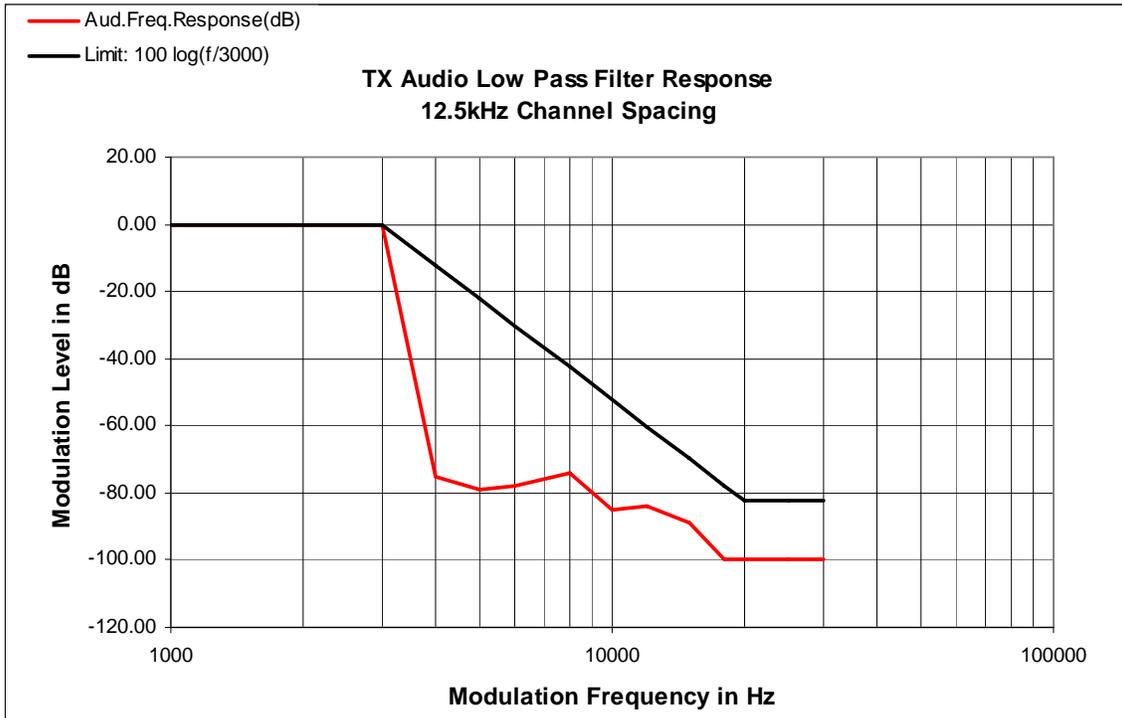


Figure 6C-1: 12.5 kHz Channel Spacing, Transmit Audio Low Pass Filter Response, Carrier Frequency 898.5MHz

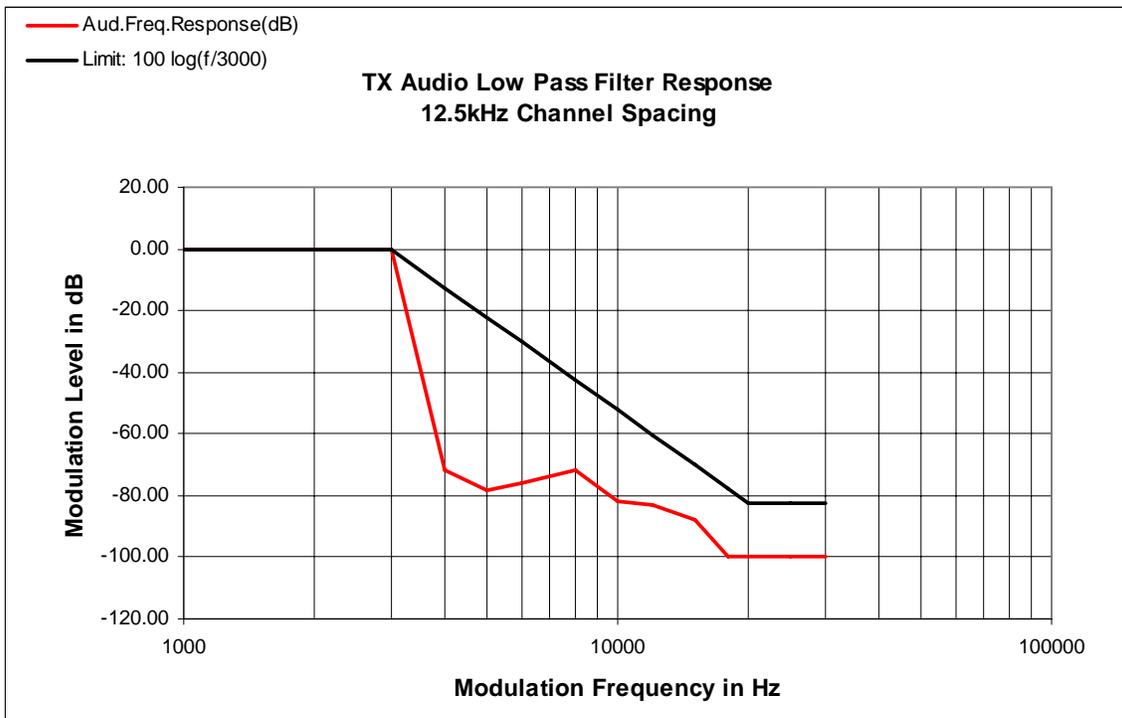


Figure 6C-2: 12.5 kHz Channel Spacing, Transmit Audio Low Pass Filter Response, Carrier Frequency 937.5MHz

EXHIBIT 6D – Modulation Limiting Characteristics - Pursuant 47 CFR 2.1047 and 2.1033(c)(13)

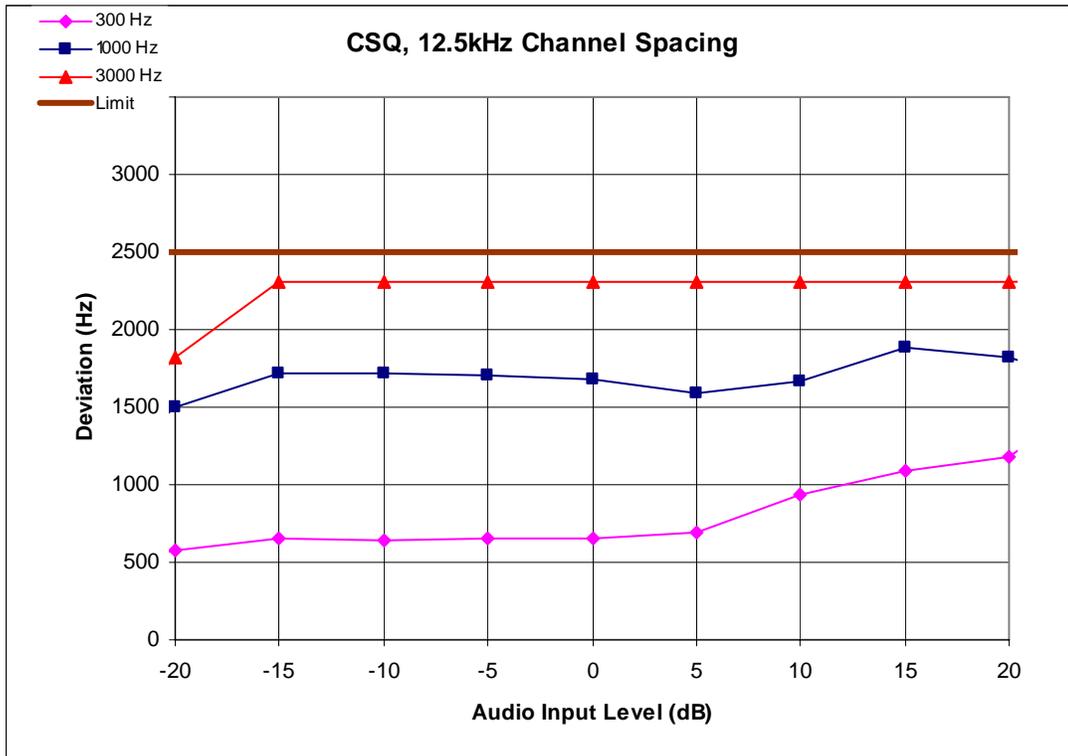


Figure 6D-1: 12.5 kHz Channel Spacing, Carrier Squelch Mode, Carrier Frequency 898.5 MHz

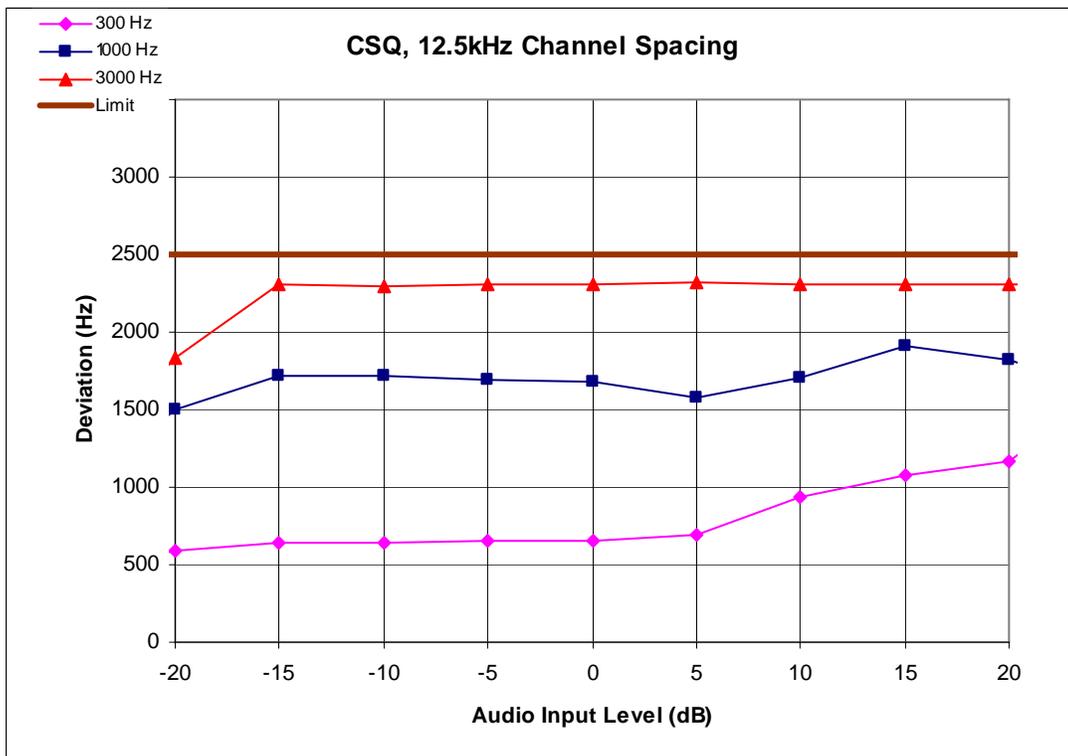


Figure 6D-2: 12.5 kHz Channel Spacing, Carrier Squelch Mode, Carrier Frequency 937.5 MHz

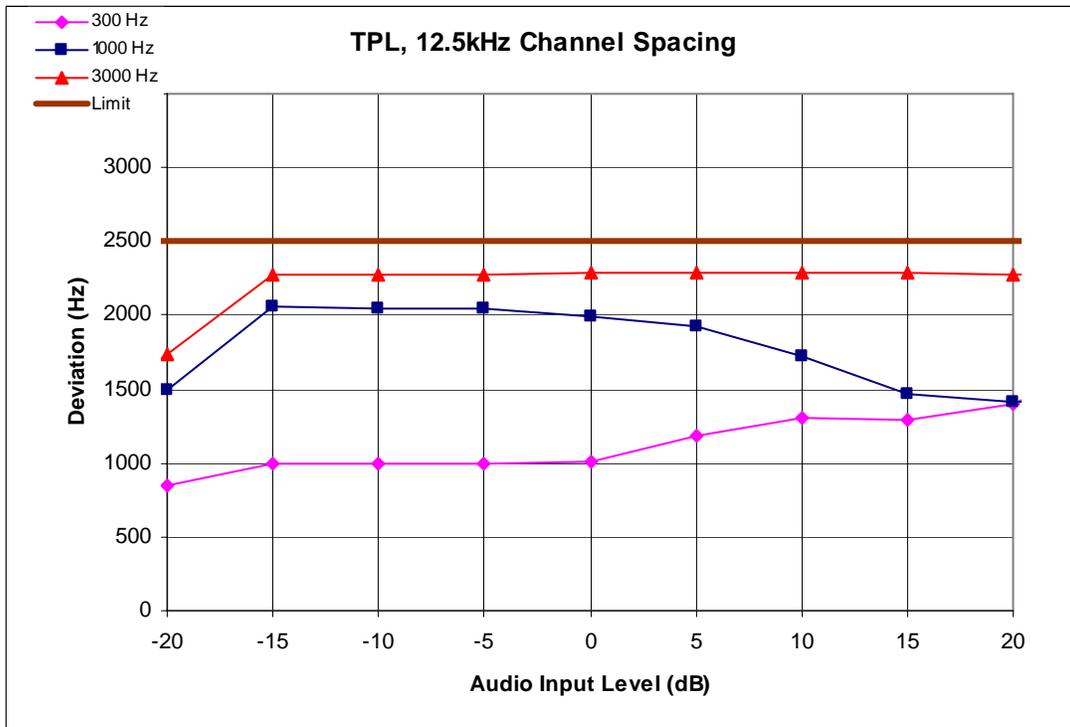


Figure 6D-3: 12.5 kHz Channel Spacing, Tone Private Line (TPL) Mode, Carrier Frequency 898.5 MHz

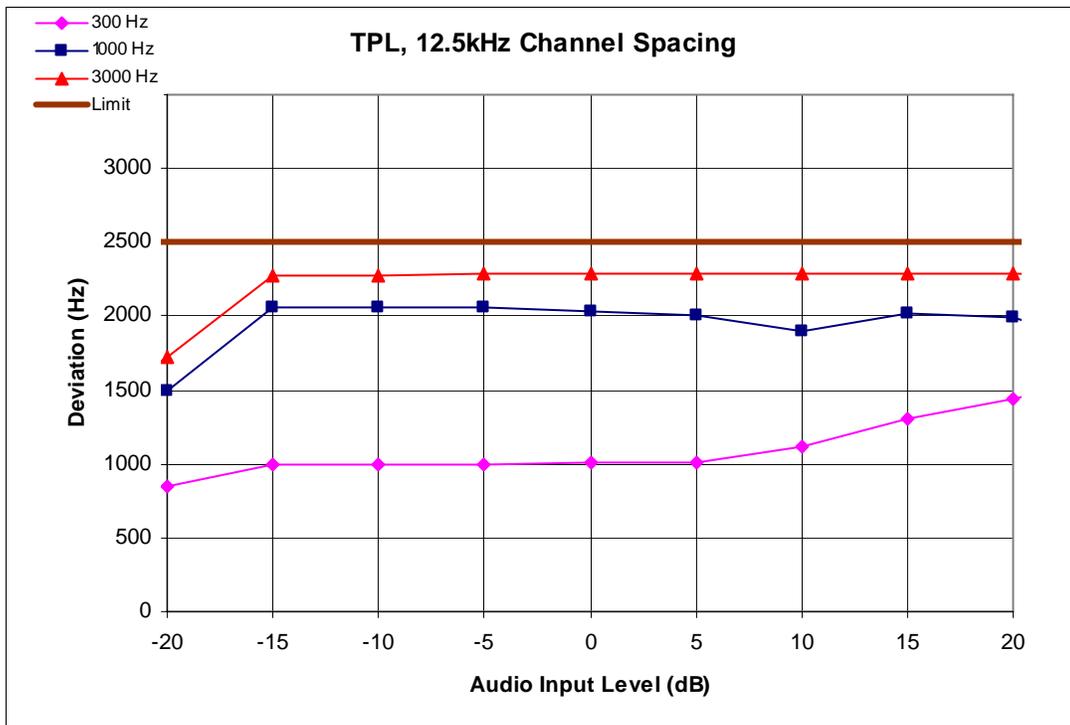


Figure 6D-4: 12.5 kHz Channel Spacing, Tone Private Line (TPL) Mode, Carrier Frequency 937.5 MHz

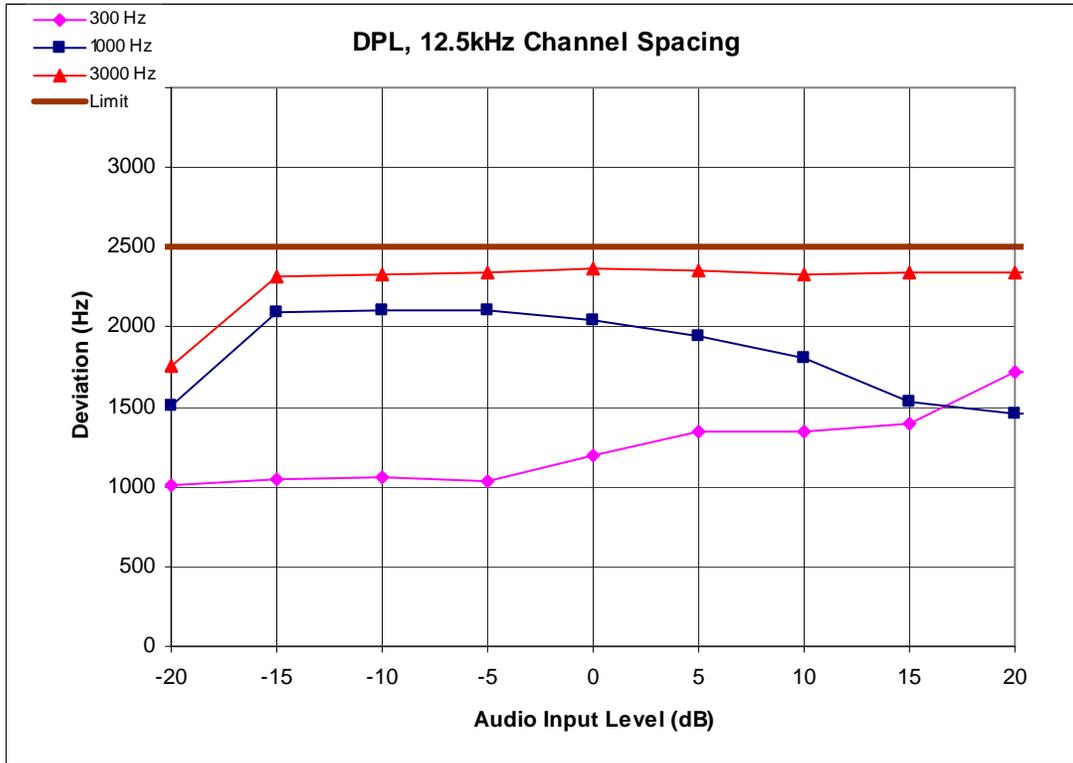


Figure 6D-5: 12.5 kHz Channel Spacing, Digital Private Line (DPL) Mode, Carrier Frequency 898.5 MHz

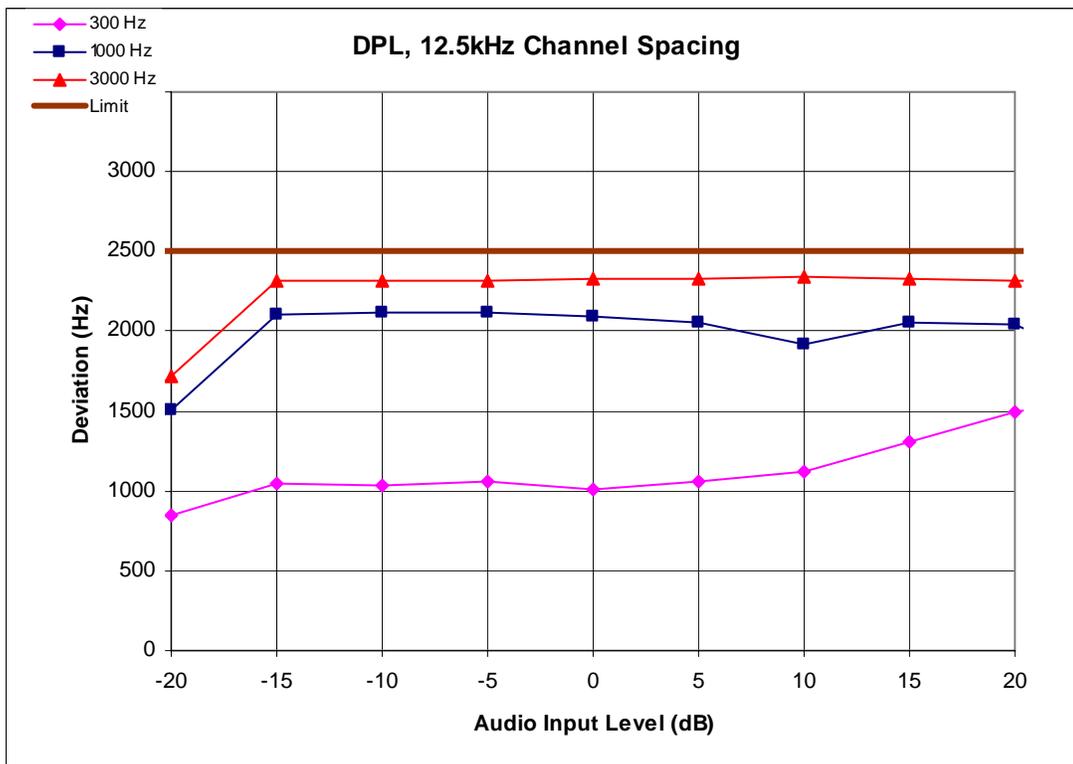


Figure 6D-6: 12.5 kHz Channel Spacing, Digital Private Line (DPL) Mode, Carrier Frequency 937.5 MHz

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

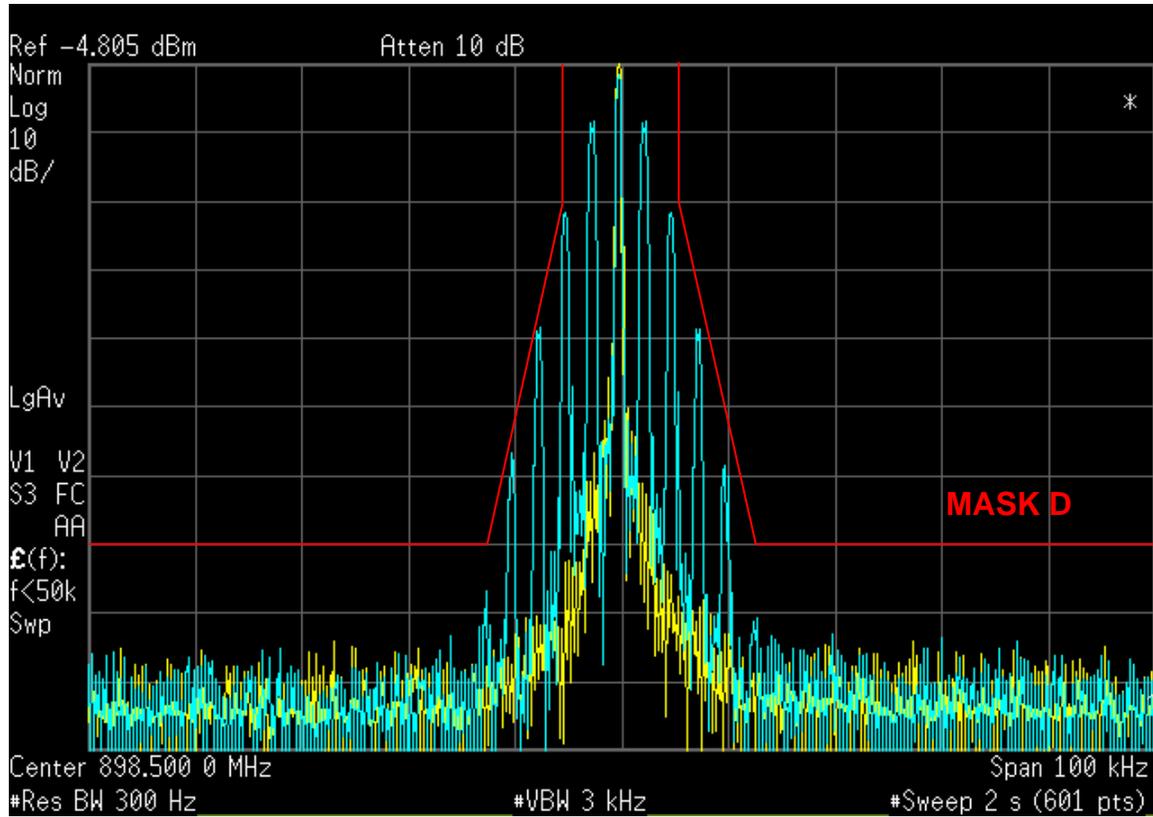


Figure 6E-1: 12.5 kHz Channel Spacing, 2500 Hz Audio Modulation Only, 898.5 MHz, 11K0F3E

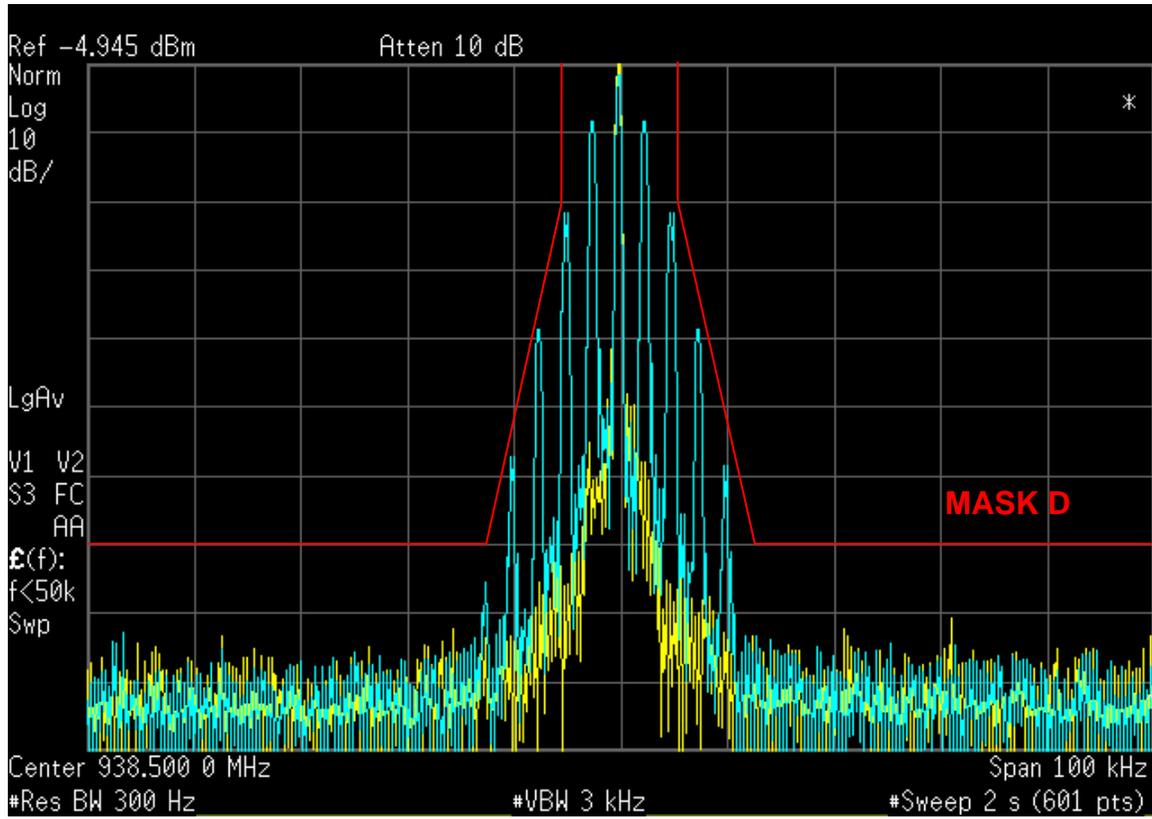


Figure 6E-2: 12.5 kHz Channel Spacing, 2500 Hz Audio Modulation Only, 938.5 MHz, 11K0F3E

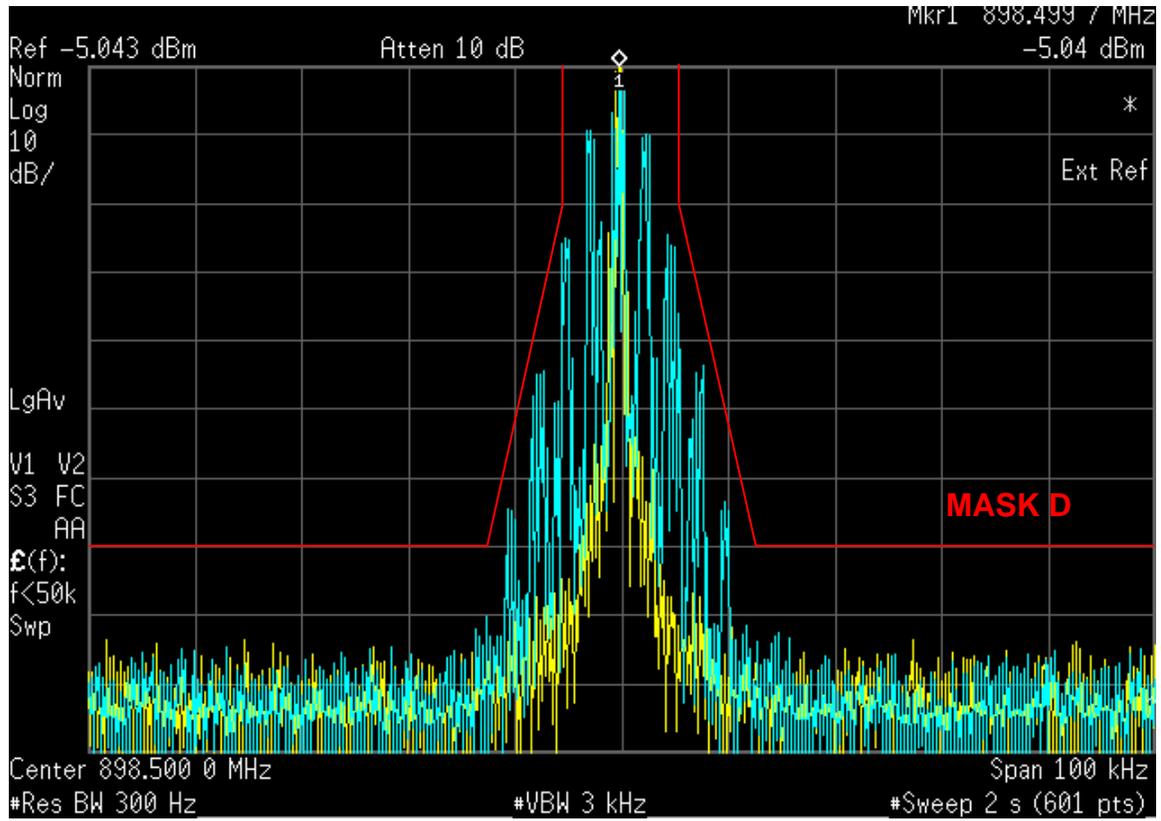
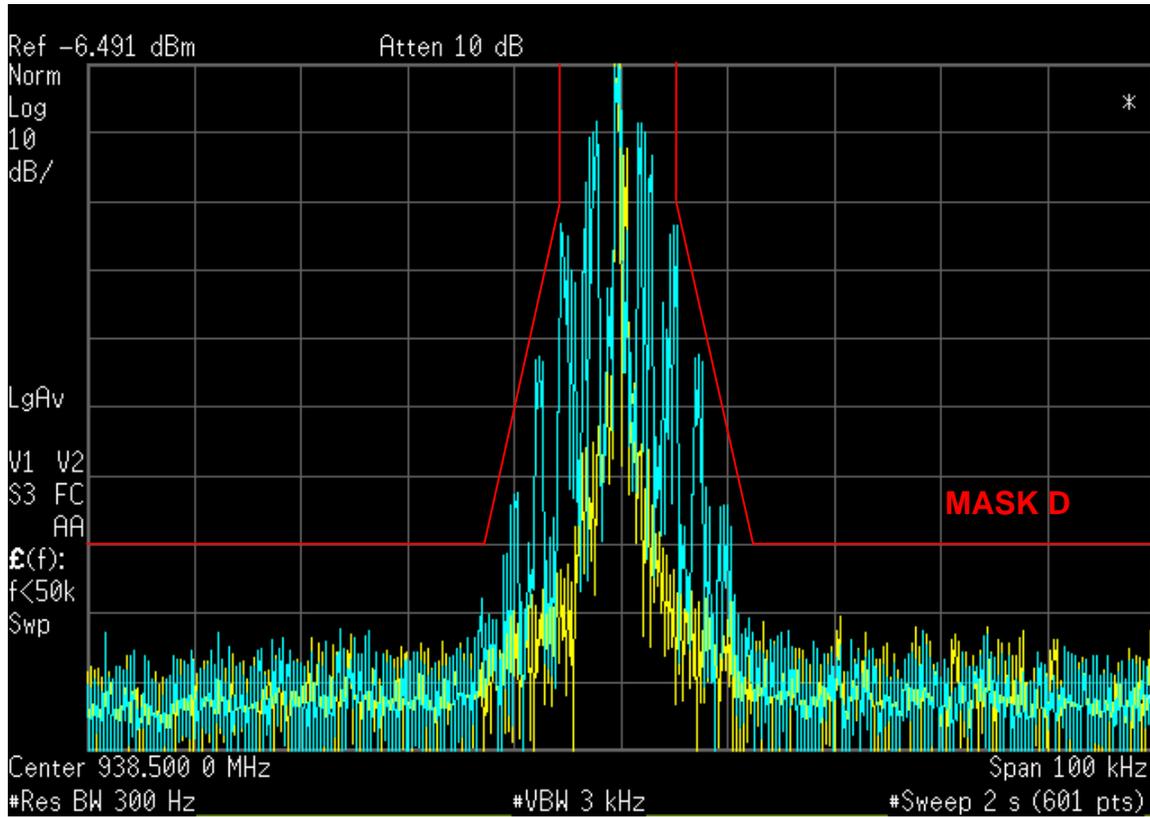


Figure 6E-3: 12.5 kHz Channel Spacing, 2500 Hz Audio Modulation and TPL Tone Modulation, 898.5 MHz, 11K0F3E



**Figure 6E-4:** 12.5 kHz Channel Spacing, 2500 Hz Audio Modulation and TPL Tone Modulation, 938.5 MHz, **11K0F3E**

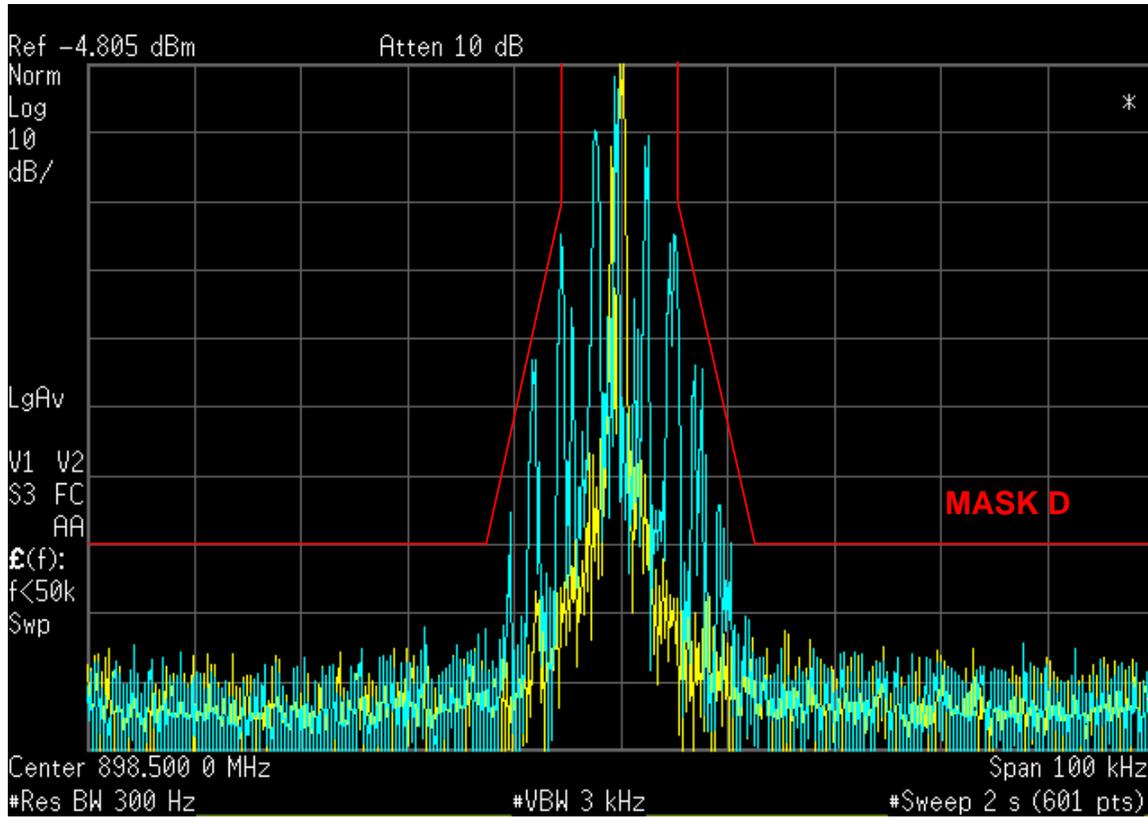


Figure 6E-5: 12.5 kHz Channel Spacing, 2500 Hz Audio Modulation and DPL Tone Modulation, 898.5 MHz, 11K0F3E

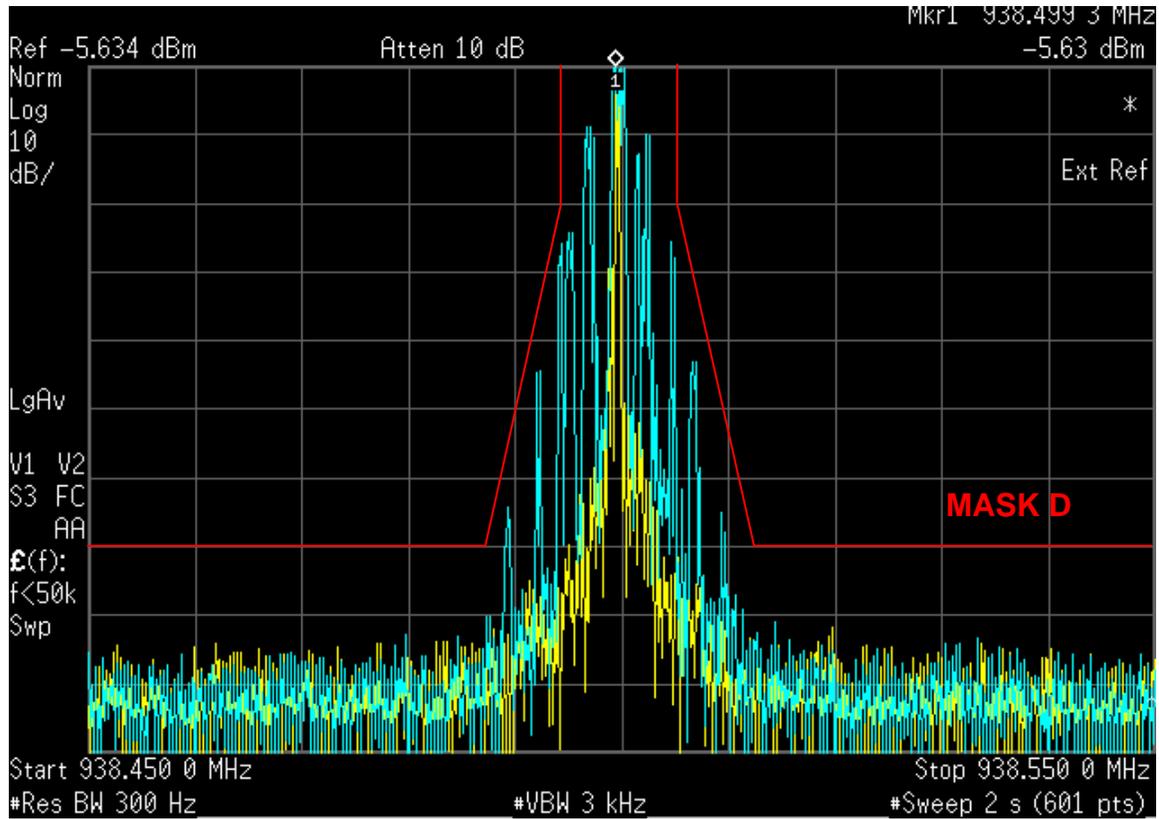


Figure 6E-6: 12.5 kHz Channel Spacing, 2500 Hz Audio Modulation and DPL Tone Modulation, 938.5 MHz, 11K0F3E

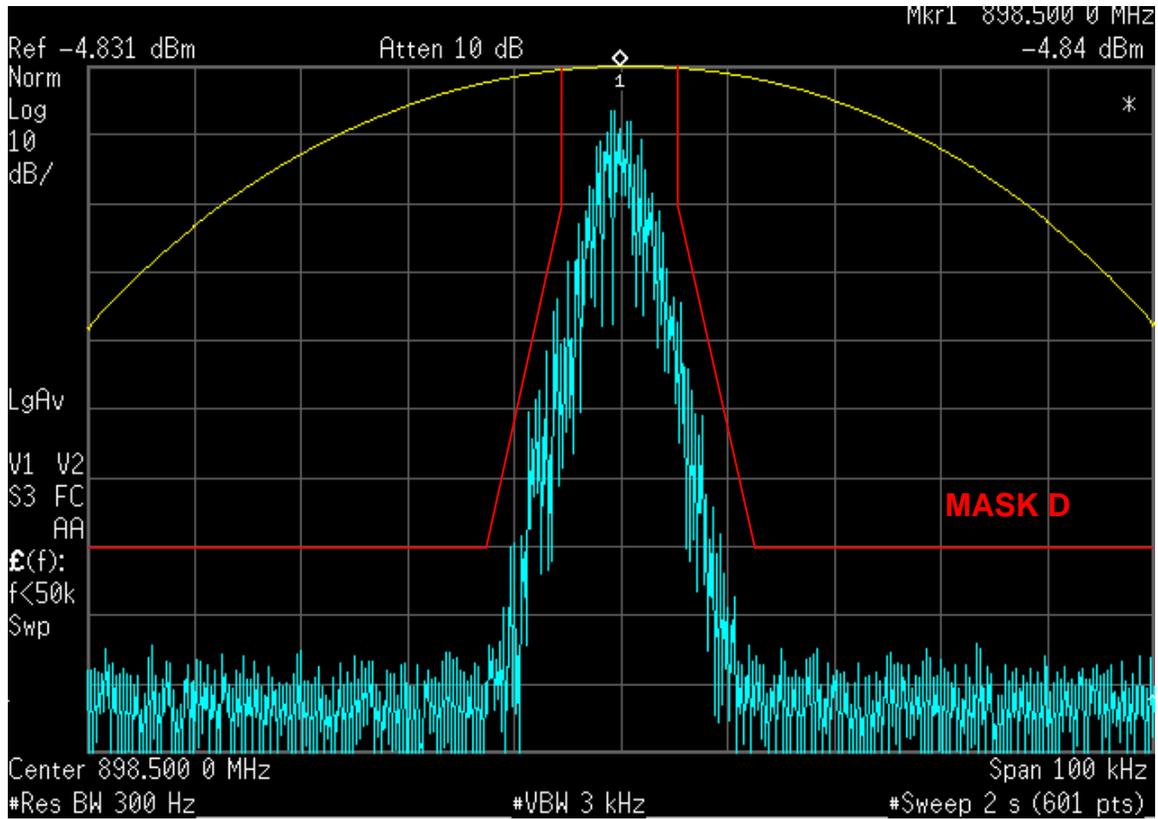


Figure 6E-7: 12.5 kHz Channel Spacing, APCO25 Digital Voice, 898.5 MHz, 8K10F1E

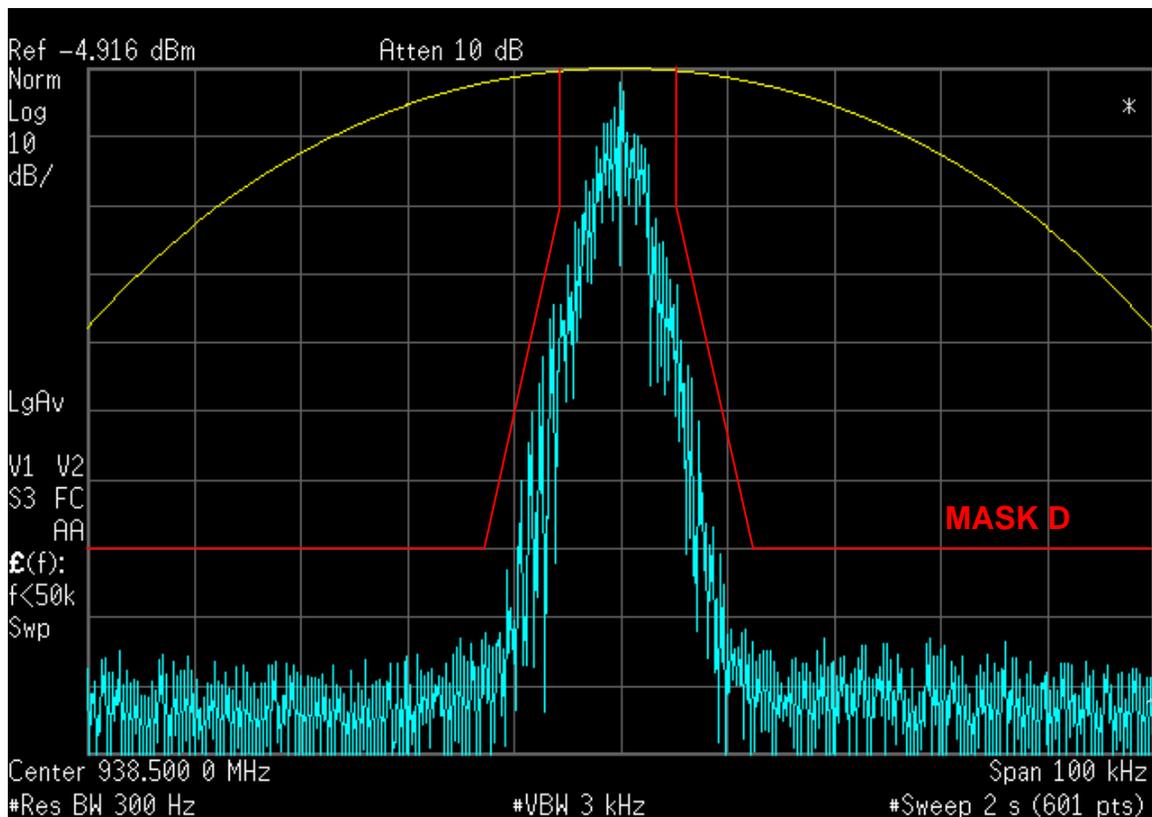


Figure 6E-7: 12.5 kHz Channel Spacing, APCO25 Digital Voice, 938.5 MHz, 8K10F1E

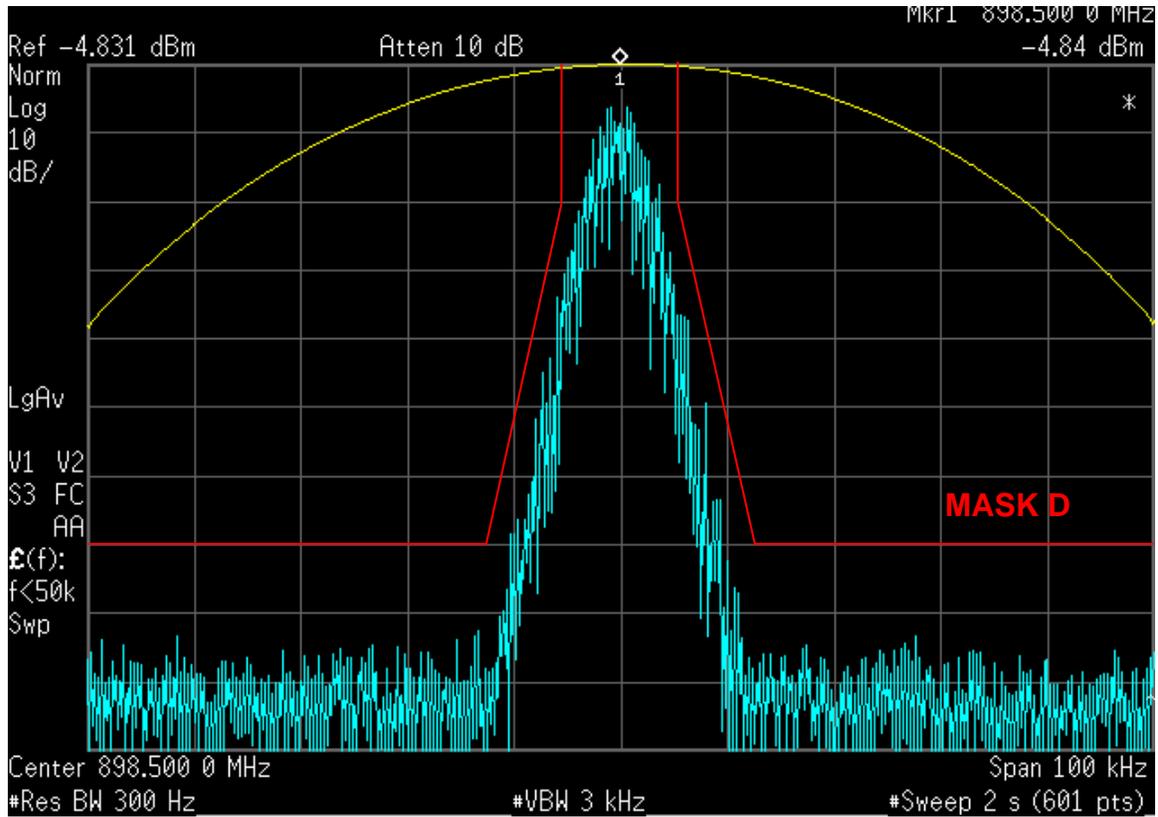


Figure 6E-8: 12.5 kHz Channel Spacing, APCO25 Digital Data, 898.5 MHz; 8K10F1D

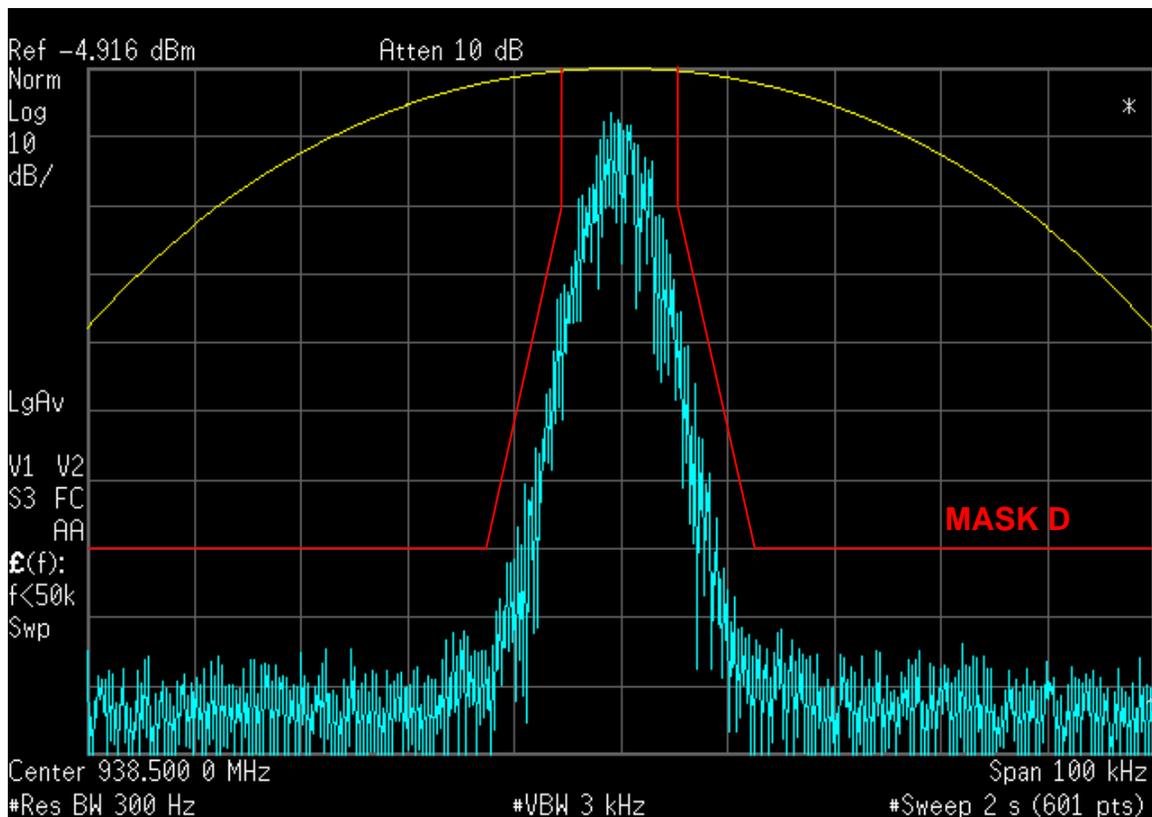


Figure 6E-8: 12.5 kHz Channel Spacing, APCO25 Digital Data, 938.5 MHz; 8K10F1D

EXHIBIT 6F – Conducted Spurious Emissions - Pursuant 47 CFR 2.1047 and 2.1033(c) (13)

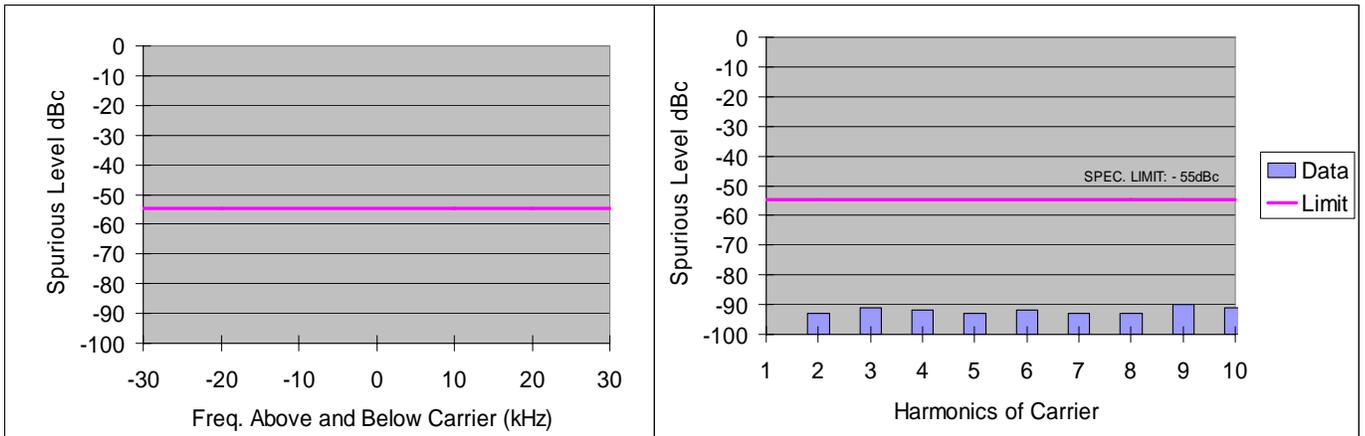


Figure 6F-1: 3 Watt Harmonic of Carrier 896.0125 MHz

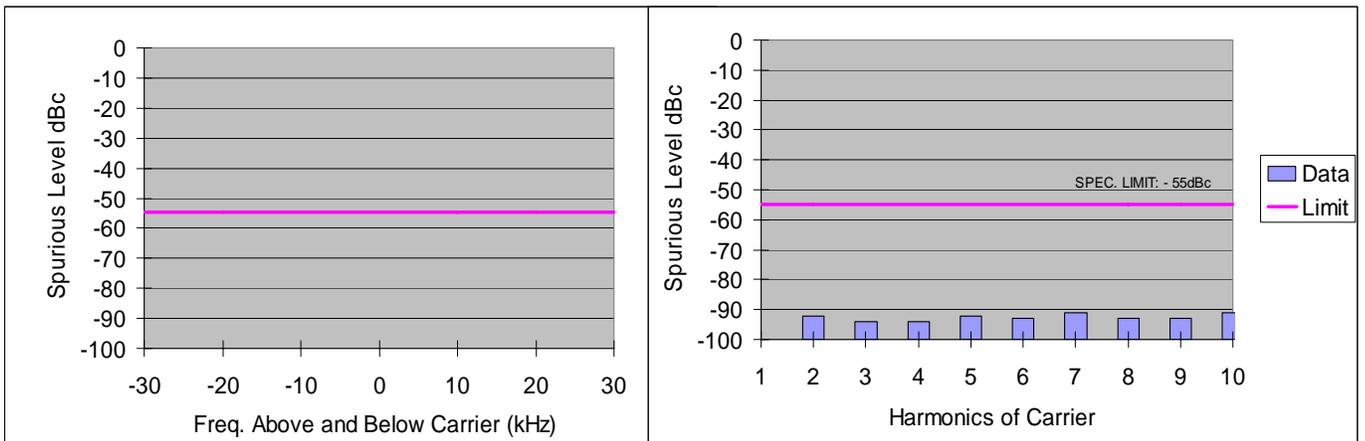


Figure 6F-2: 38 Watt Harmonic of Carrier 896.0125 MHz

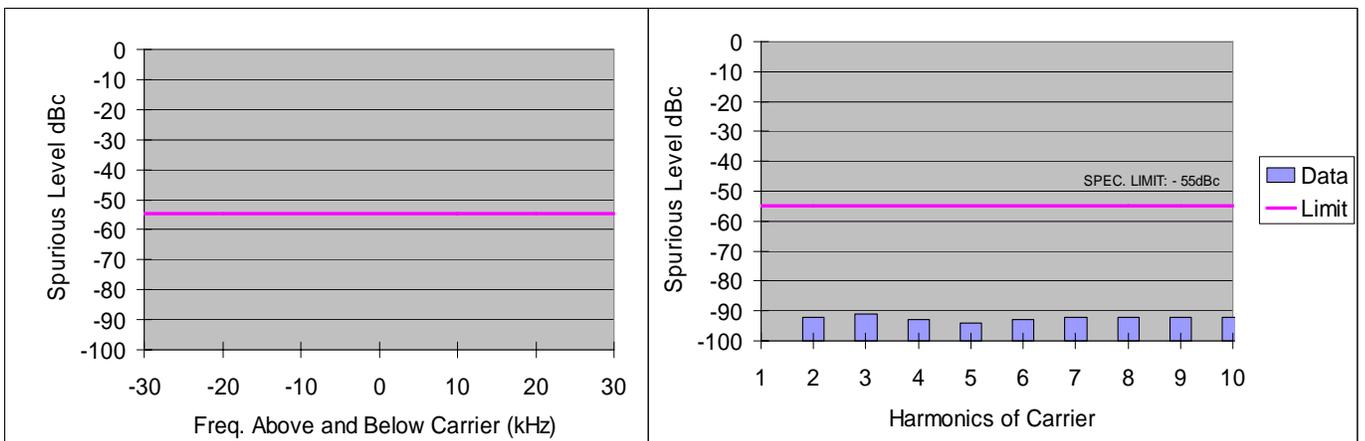


Figure 6F-3: 3 Watt Harmonic of Carrier 900.9875 MHz

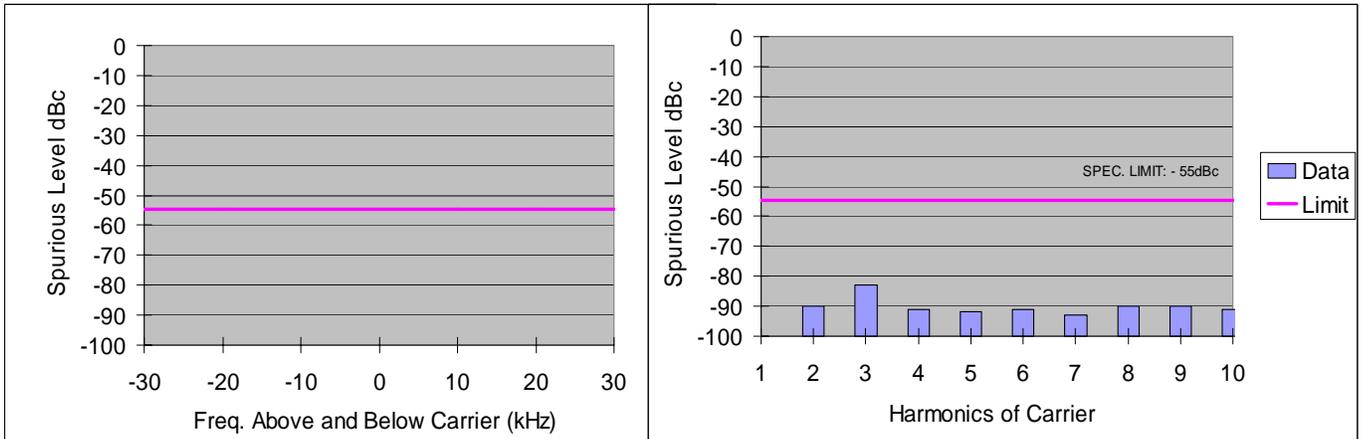


Figure 6F-4: 38 Watt Harmonic of Carrier 900.9875 MHz

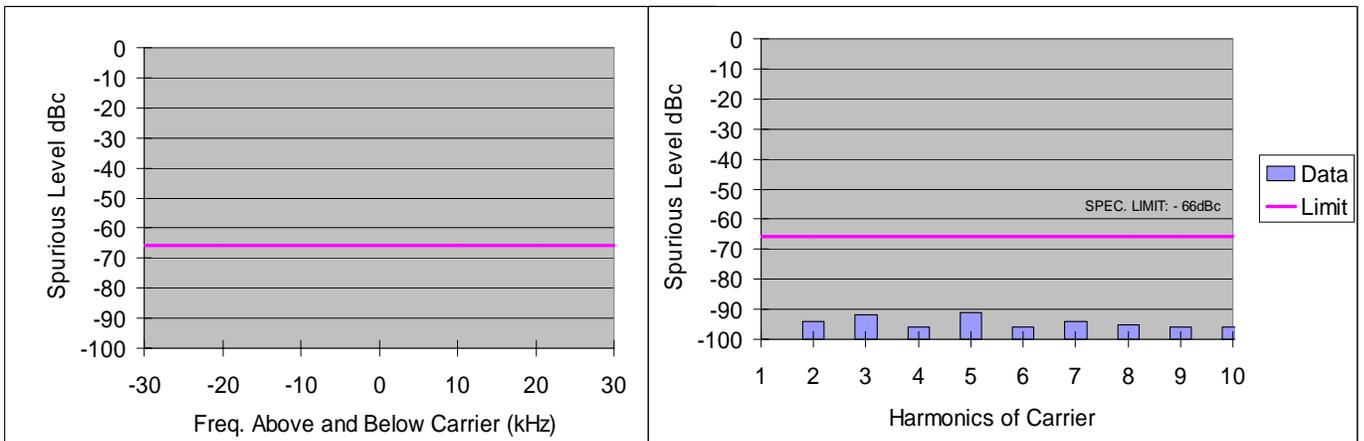


Figure 6F-5: 3 Watt Harmonic of Carrier 935.0125 MHz

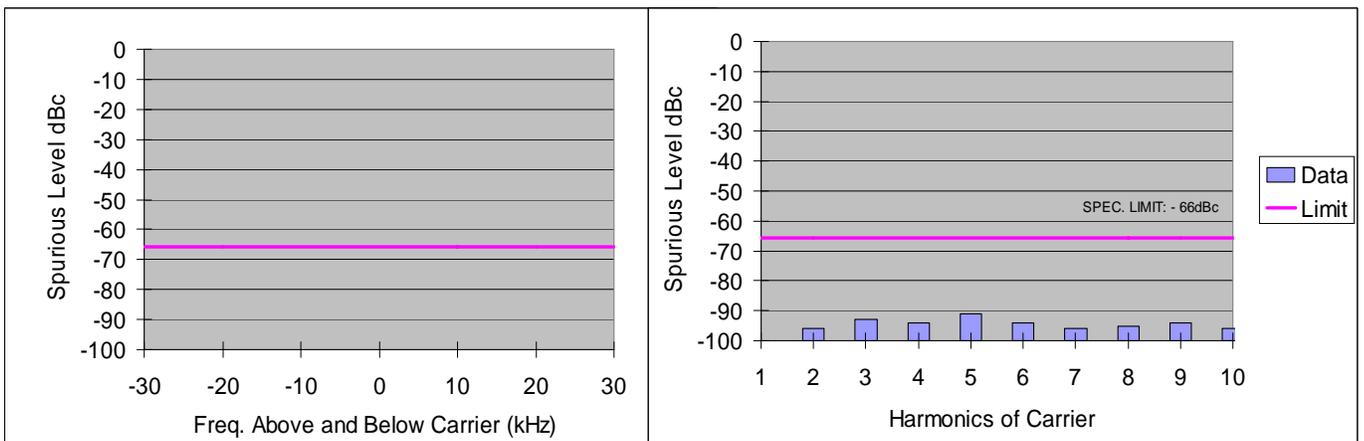


Figure 6F-6: 38 Watt Harmonic of Carrier 935.0125 MHz

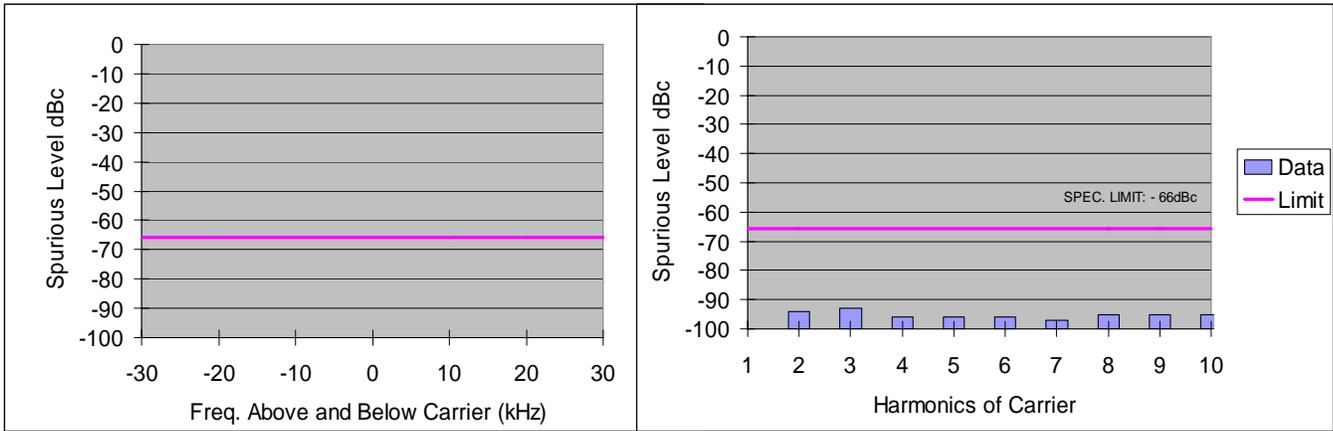


Figure 6F-7: 3 Watt Harmonic of Carrier 939.9875 MHz

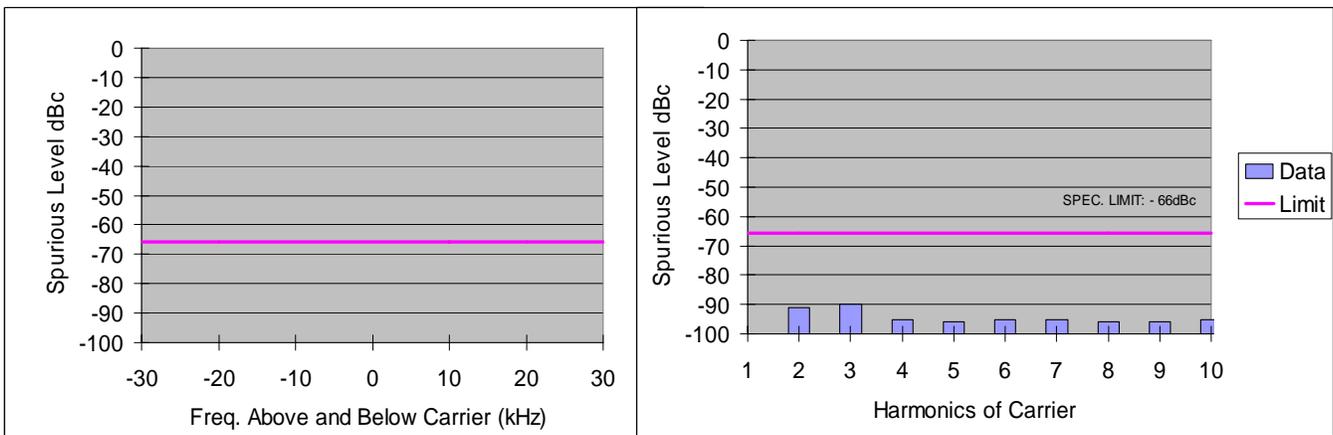


Figure 6F-8: 38 Watt Harmonic of Carrier 939.9875 MHz

**EXHIBIT 6G – Radiated Spurious Emissions - Pursuant 47 CFR 2.1047 and 2.1033(c)(13)**

Notes:

- 1) The shown results are the worst case results for the given frequency. Measurements were made to the 10<sup>th</sup> harmonic, antenna polarization horizontal and vertical.
- 2) \* indicates the spurious emission could not be detected due to noise limitations or ambients.

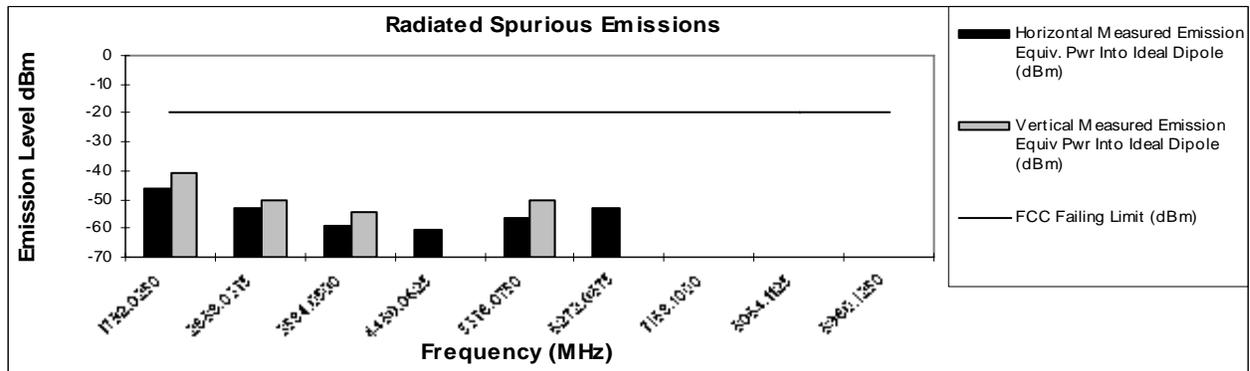
**Transmit Radiated Spurious Emissions: Millennium - PMUF1383A**

**Tx Power: 38 Watts**

**896.0125 MHz**

**Channel Spacing 12.5kHz | S/N 775TEST110**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1792.0250	-20	-46.19	-41.01
2688.0375	-20	-53.16	-50.40
3584.0500	-20	-59.46	-54.25
4480.0625	-20	-60.24	*
5376.0750	-20	-56.44	-50.21
6272.0875	-20	-53.16	*
7168.1000	-20	*	*
8064.1125	-20	*	*
8960.1250	-20	*	*



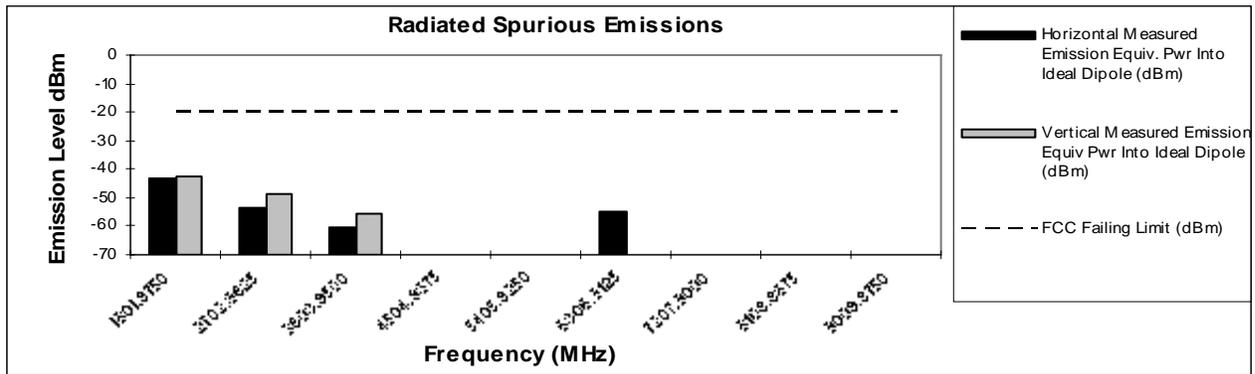
**Figure 6G-1: 38 Watts, 896.0125MHz**

**Transmit Radiated Spurious Emissions: Millennium - PMUF1383A**  
**Tx Power: 38 Watts**

900.9875 MHz

Channel Spacing 12.5kHz | S/N 775TEST110

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1801.9750	-20	-43.53	-42.34
2702.9625	-20	-53.27	-49.05
3603.9500	-20	-60.66	-55.87
4504.9375	-20	*	*
5405.9250	-20	*	*
6306.9125	-20	-54.67	*
7207.9000	-20	*	*
8108.8875	-20	*	*
9009.8750	-20	*	*



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

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

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 FCC Registration: 91932 / Industry Canada: IC3679A-1

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Figure 6G-2: 38 Watts, 900.9875MHz

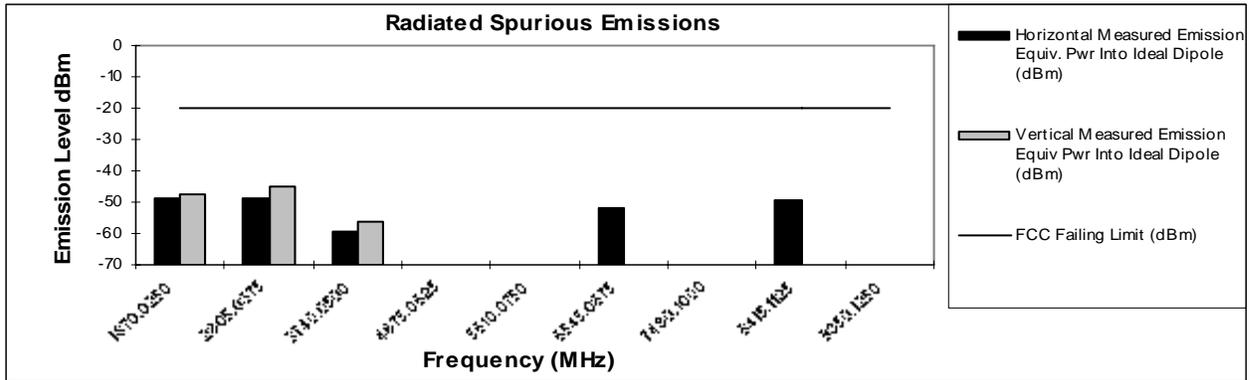
**Transmit Radiated Spurious Emissions: Millennium - PMUF1383A**

**Tx Power: 38 Watts**

**935.0125 MHz**

**Channel Spacing 12.5kHz | S/N 775TEST110**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1870.0250	-20	-48.93	-47.72
2805.0375	-20	-49.06	-45.01
3740.0500	-20	-59.61	-56.32
4675.0625	-20	*	*
5610.0750	-20	*	*
6545.0875	-20	-51.86	*
7480.1000	-20	*	*
8415.1125	-20	-49.40	*
9350.1250	-20	*	*



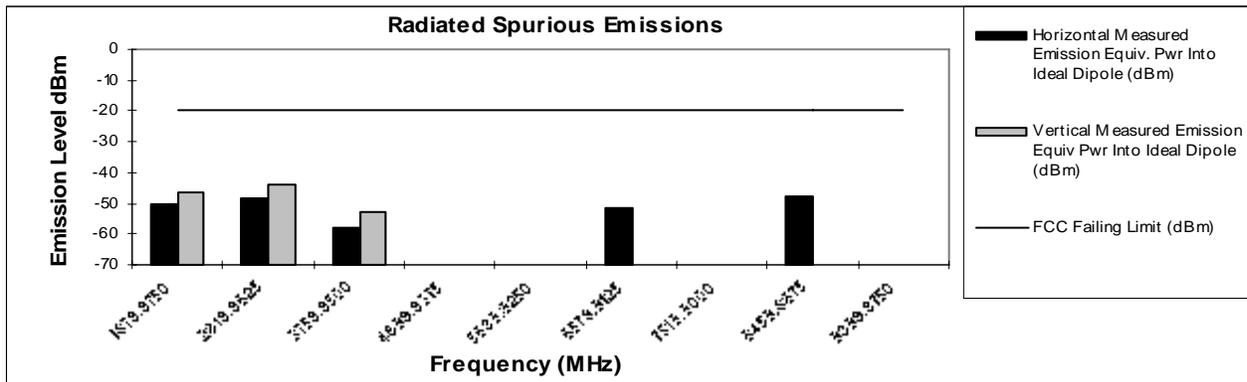
**Figure 6G-3: 38 Watts, 935.0125MHz**

**Transmit Radiated Spurious Emissions: Millennium - PMUF1383A**  
**Tx Power: 38 Watts**

939.9875 MHz

Channel Spacing 12.5kHz | S/N 775TEST110

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1879.9750	-20	-50.05	-46.25
2819.9625	-20	-48.54	-43.73
3759.9500	-20	-58.11	-52.94
4699.9375	-20	*	*
5639.9250	-20	*	*
6579.9125	-20	-51.38	*
7519.9000	-20	*	*
8459.8875	-20	-47.82	*
9399.8750	-20	*	*



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

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

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Figure 6G-4: 38 Watts, 939.9875MHz

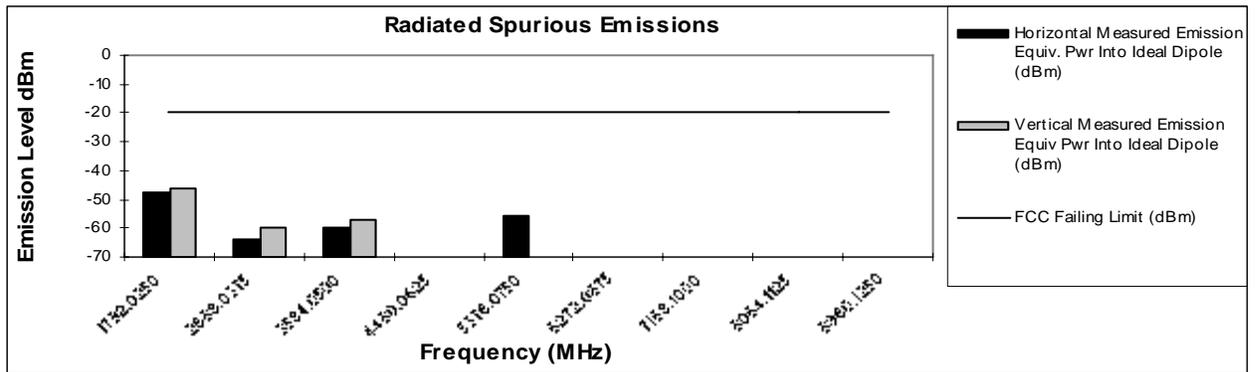
**Transmit Radiated Spurious Emissions: Millennium - PMUF1383A**

**Tx Power: 3 Watts**

**896.0125 MHz**

**Channel Spacing 12.5kHz | S/N 775TEST110**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1792.0250	-20	-47.86	-46.26
2688.0375	-20	-64.21	-59.79
3584.0500	-20	-59.87	-57.17
4480.0625	-20	*	*
5376.0750	-20	-55.99	*
6272.0875	-20	*	*
7168.1000	-20	*	*
8064.1125	-20	*	*
8960.1250	-20	*	*



**Figure 6G-5: 3 Watts, 896.0125MHz**

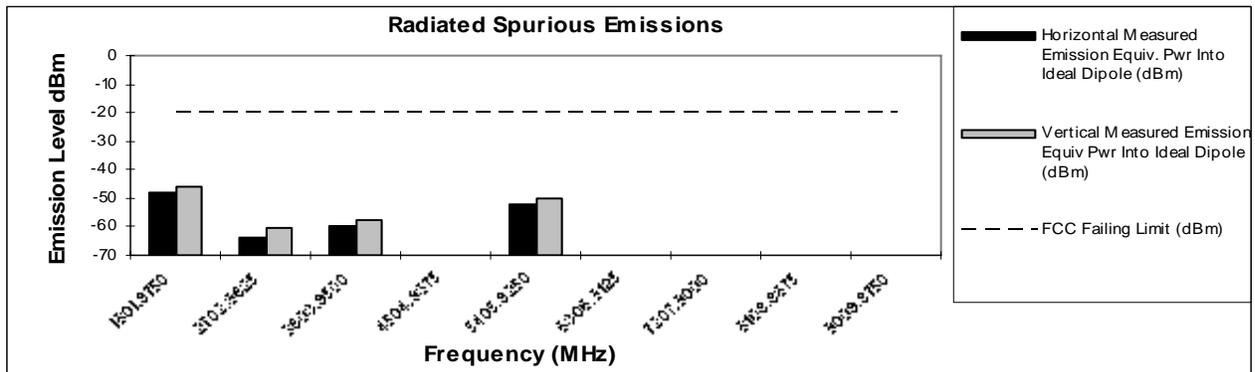
**Transmit Radiated Spurious Emissions: Millennium - PMUF1383A**

**Tx Power: 3 Watts**

**900.9875 MHz**

**Channel Spacing 12.5kHz | S/N 775TEST110**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1801.9750	-20	-48.21	-46.02
2702.9625	-20	-64.12	-60.40
3603.9500	-20	-59.72	-57.37
4504.9375	-20	*	*
5405.9250	-20	-52.14	-49.76
6306.9125	-20	*	*
7207.9000	-20	*	*
8108.8875	-20	*	*
9009.8750	-20	*	*



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

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

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 FCC Registration: 91932 / Industry Canada: IC3679A-1

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Figure 6G-6: 3 Watts, 900.9875MHz

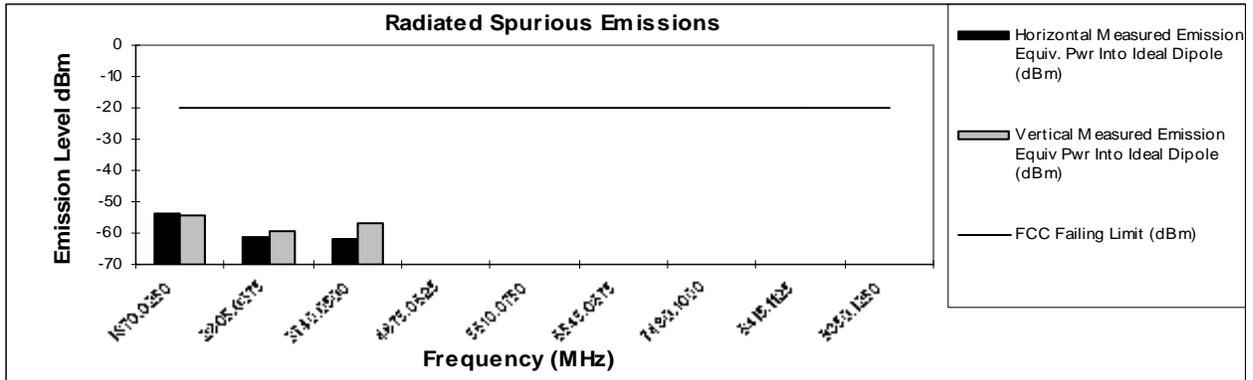
**Transmit Radiated Spurious Emissions: Millennium - PMUF1383A**

**Tx Power: 3 Watts**

**935.0125 MHz**

**Channel Spacing 12.5kHz | S/N 775TEST110**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1870.0250	-20	-53.65	-54.47
2805.0375	-20	-61.27	-59.15
3740.0500	-20	-61.87	-56.96
4675.0625	-20	*	*
5610.0750	-20	*	*
6545.0875	-20	*	*
7480.1000	-20	*	*
8415.1125	-20	*	*
9350.1250	-20	*	*



**Figure 6G-7: 3 Watts, 935.0125MHz**

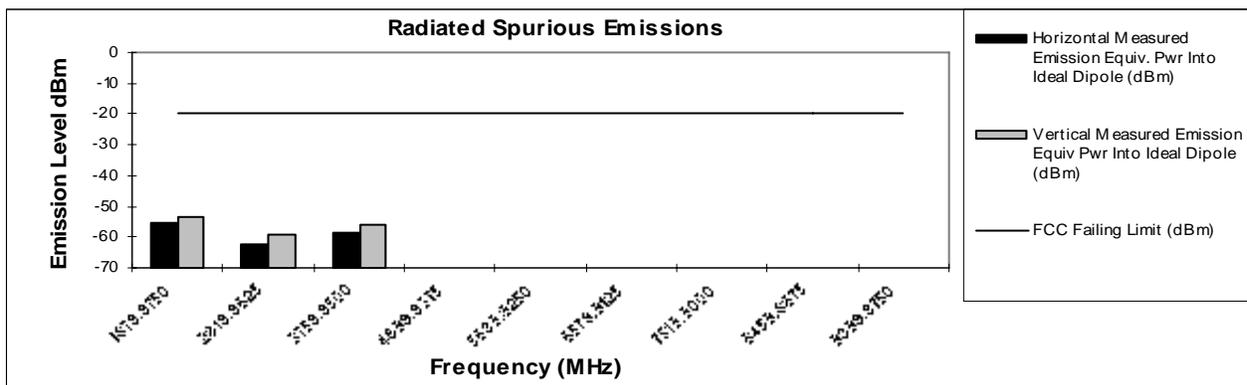
**Transmit Radiated Spurious Emissions: Millennium - PMUF1383A**

**Tx Power: 3 Watts**

**939.9875 MHz**

**Channel Spacing 12.5kHz | S/N 775TEST110**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1879.9750	-20	-55.56	-53.62
2819.9625	-20	-62.43	-59.43
3759.9500	-20	-58.70	-55.88
4699.9375	-20	*	*
5639.9250	-20	*	*
6579.9125	-20	*	*
7519.9000	-20	*	*
8459.8875	-20	*	*
9399.8750	-20	*	*



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

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

**Motorola Plantation EMC Lab – Test Performed by: Curt Mc Lennan**  
**FCC Registration: 91932 / Industry Canada: IC3679A-1**

**April 20, 2007**

**Figure 6G-8: 3 Watts, 939.9875MHz**

EXHIBIT 6H – Frequency Stability (Temperature/Supply Voltage) - Pursuant 47 CFR 2.1047 and 2.1033(c)(13)

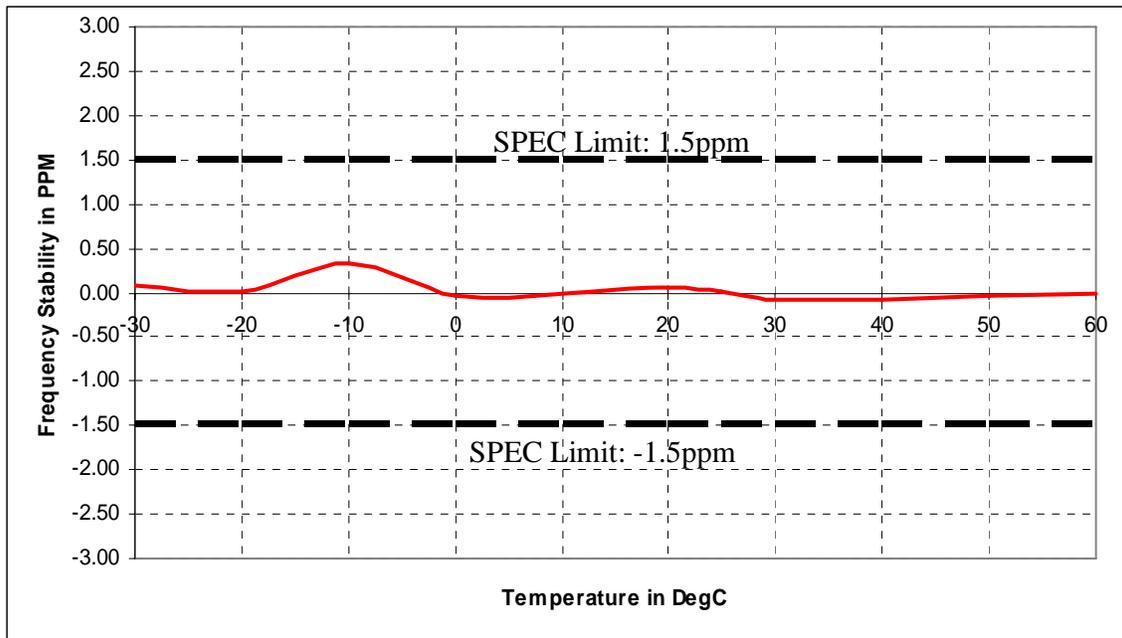


Figure 6H-1: Frequency Stability vs. Temperature, Carrier Frequency 898.5 MHz

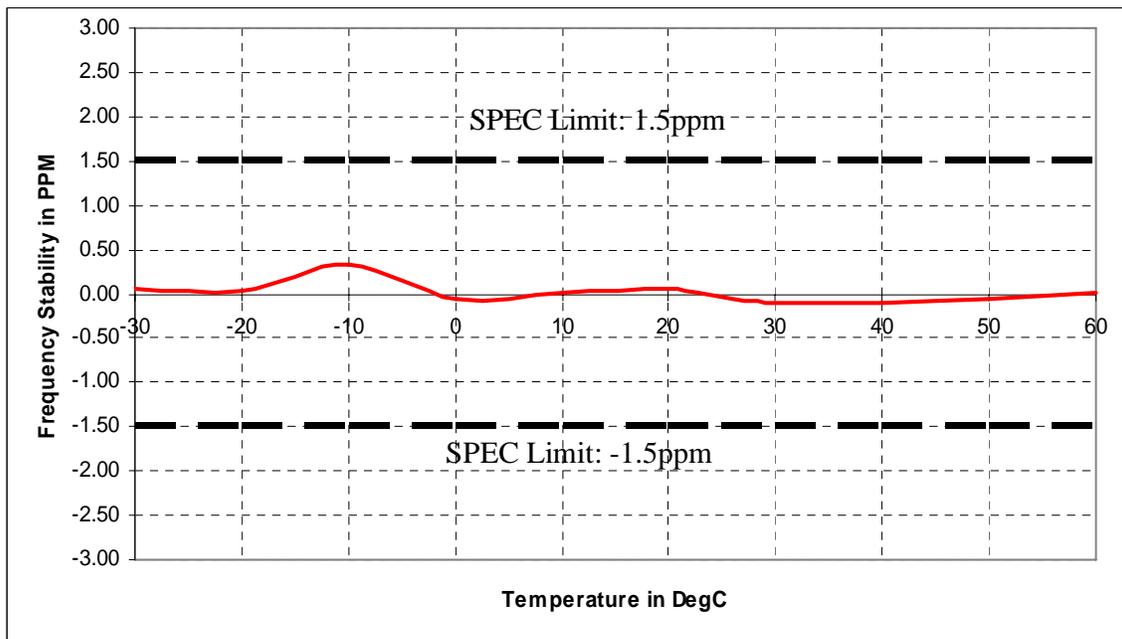


Figure 6H-2: Frequency Stability vs. Temperature, Carrier Frequency 937.5 MHz

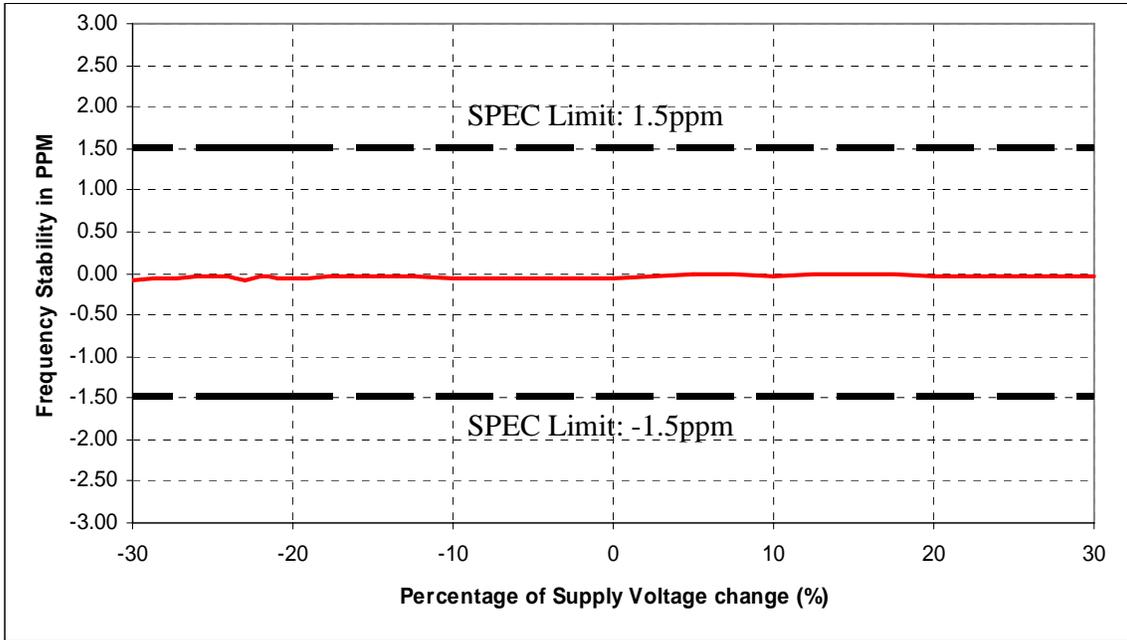


Figure 6H-3: Frequency Stability vs. Percentage of Supply Voltage Change, Carrier Frequency 898.5 MHz

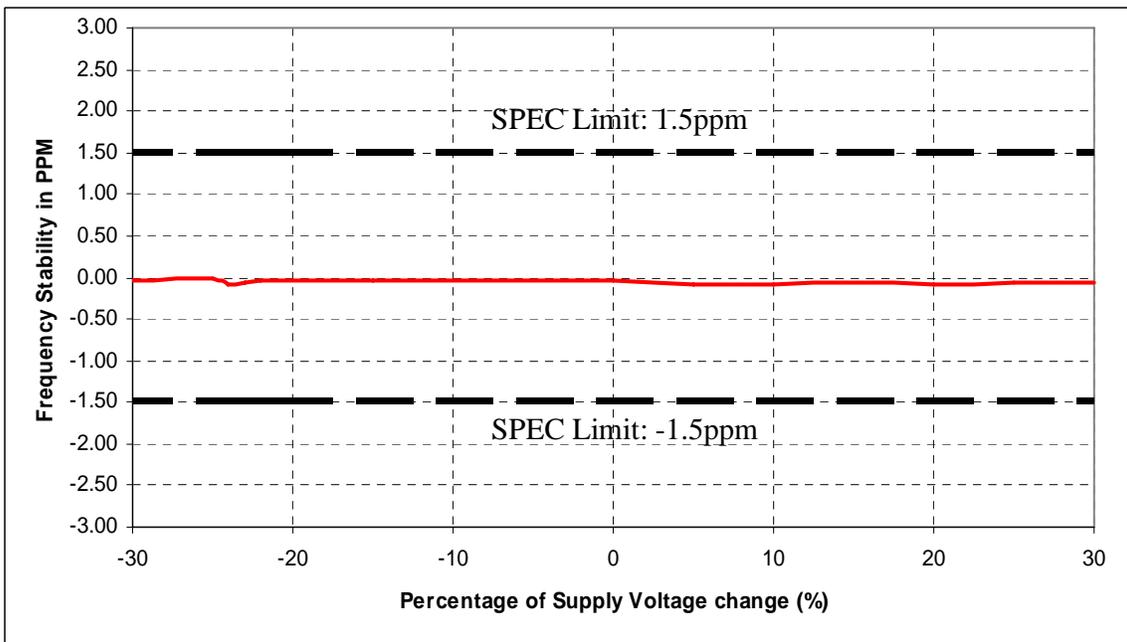


Figure 6H-4: Frequency Stability vs. Percentage of Supply Voltage Change, Carrier Frequency 937.5 MHz