

**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 – Frequency Stability (2 Graphs)**

- 6B-1 – 1.5 ppm Frequency Stability vs. Temperature
- 6B-2 – 1.5 ppm Frequency Stability vs. Voltage

**EXHIBIT 6C – Conducted Spurious Emissions (12 Graphs)**

- 6C-1: 1 Watts Harmonic of Carrier 403.0125 MHz, 12.5 kHz Channel Spacing
- 6C-2: 1 Watts Harmonic of Carrier 436.0125 MHz, 12.5 kHz Channel Spacing
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- 6C-11: 4.8 Watts Harmonic of Carrier 436.0125 MHz, 25 kHz Channel Spacing (Not for FCC review)
- 6C-12: 4.8 Watts Harmonic of Carrier 469.9875 MHz, 25 kHz Channel Spacing (Not for FCC review)

**EXHIBIT 6D – Radiated Spurious Emissions (12 Graphs)**

- 6D-1: 4.8 Watts Harmonic of Carrier 403.0125 MHz, 12.5 kHz Channel Spacing
- 6D-2: 4.8 Watts Harmonic of Carrier 436.0125 MHz, 12.5 kHz Channel Spacing
- 6D-3: 4.8 Watts Harmonic of Carrier 469.9875 MHz, 12.5 kHz Channel Spacing
- 6D-4: 4.8 Watts Harmonic of Carrier 403.0125 MHz, 25 kHz Channel Spacing (Not for FCC review)
- 6D-5: 4.8 Watts Harmonic of Carrier 436.0125 MHz, 25 kHz Channel Spacing (Not for FCC review)
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- 6D-7: 1 Watts Harmonic of Carrier 403.0125 MHz, 12.5 kHz Channel Spacing
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- 6D-10: 1 Watts Harmonic of Carrier 403.0125 MHz, 25 kHz Channel Spacing (Not for FCC review)
- 6D-11: 1 Watts Harmonic of Carrier 436.0125 MHz, 25 kHz Channel Spacing (Not for FCC review)
- 6D-12: 1 Watts Harmonic of Carrier 469.9875 MHz, 25 kHz Channel Spacing (Not for FCC review)

**EXHIBIT 6E – Occupied Bandwidth**

- 6E-1: 436.5 MHz, O.153 Test Pattern 4FSK Voice and Data Modulation, 7K60FXE
- 6E-2: 436.5 MHz, O.153 Test Pattern 4FSK Data Modulation, 7K60FXE
- 6E-3: 436.5 MHz, O.153 Test Pattern 4FSK Data TDMA Modulation, 7K60F1W

- Combinations of 12.5kHz 4FSK Voice and Data Modulation 7K601FW would be the same as 7K60FXD (F2 Silent) and 7K60FXE (F2 BER)

\*\* Please note that the above data were taken following the procedures and limits outlined in TIA 603-D, RSS119 and RSS Gen during Oct 2012. See Table 2 in Ex07 test procedures.

Tested Radio model: AAH55QDH9LA1AN (XPR6550)

**EXHIBIT 6A - RF Conducted Power Output Data**

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 403.0125 MHz:**

Output RF power	4.76 Watts
DC Voltage	7.5 Volts
DC Current	1.82 Amps
DC Input Power	13.65 Watts

**At minimum output power setting, Frequency 403.0125 MHz:**

Output RF power	1.10 Watts
DC Voltage	7.5 Volts
DC Current	0.9 Amps
DC Input Power	6.75 Watts

**At maximum output power setting, Frequency 436.0125 MHz:**

Output RF power	4.74 Watts
DC Voltage	7.5 Volts
DC Current	1.93 Amps
DC Input Power	14.475 Watts

**At minimum output power setting, Frequency 436.0125 MHz:**

Output RF power	1.08 Watts
DC Voltage	7.5 Volts
DC Current	0.9 Amps
DC Input Power	6.75 Watts

**At maximum output power setting, Frequency 469.9875 MHz:**

Output RF power	4.78 Watts
DC Voltage	7.5 Volts
DC Current	1.95 Amps
DC Input Power	14.625 Watts

**At minimum output power setting, Frequency 469.9875 MHz:**

Output RF power	1.11 Watts
DC Voltage	7.5 Volts
DC Current	0.93 Amps
DC Input Power	6.975 Watts

EXHIBIT 6B - Frequency Stability

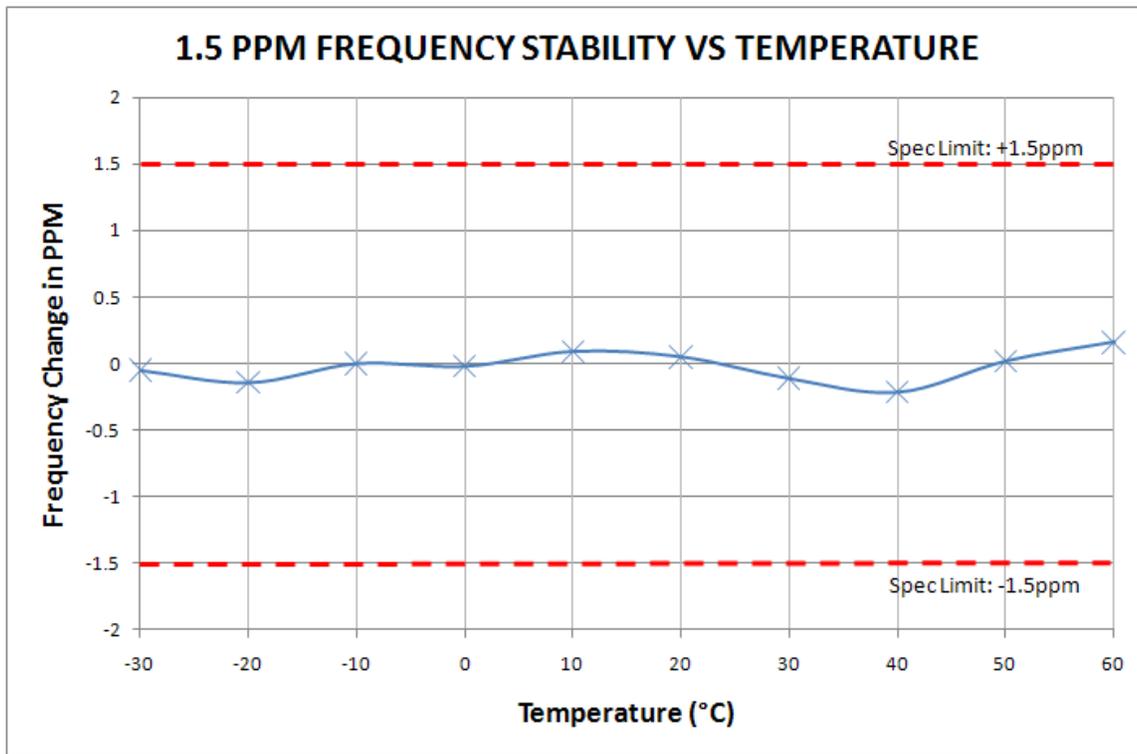


Figure 6B-1: 1.5 ppm Frequency Stability vs. Temperature

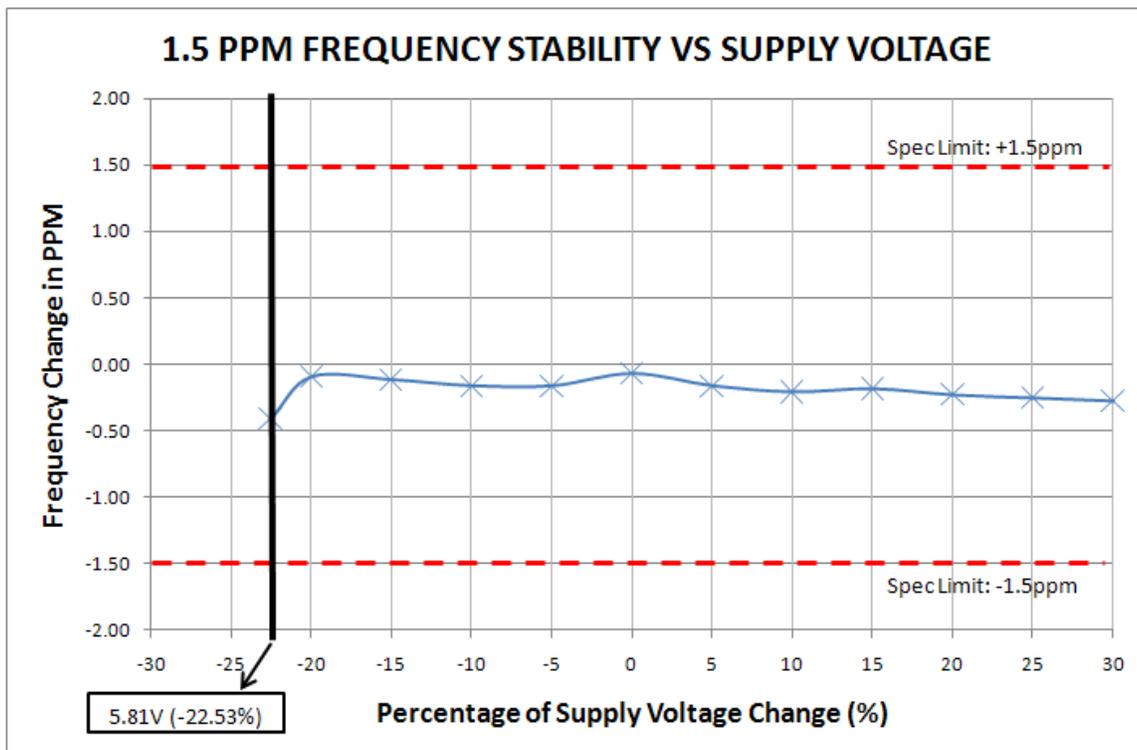


Figure 6B-2: 1.5 ppm Frequency Stability vs. Supply Voltage

**EXHIBIT 6C - Transmitter Conducted Spurious Emissions**

Spurs which are not shown is less than 100dB

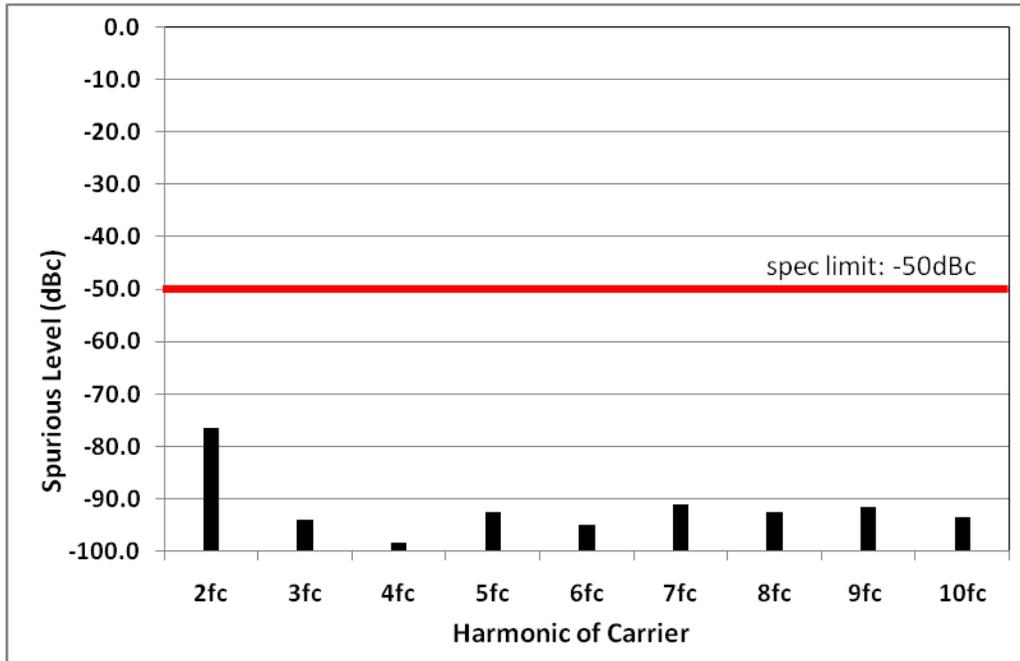


Figure 6C-1: 1 Watts Harmonic of Carrier 403.0125 MHz, 12.5 kHz Channel Spacing

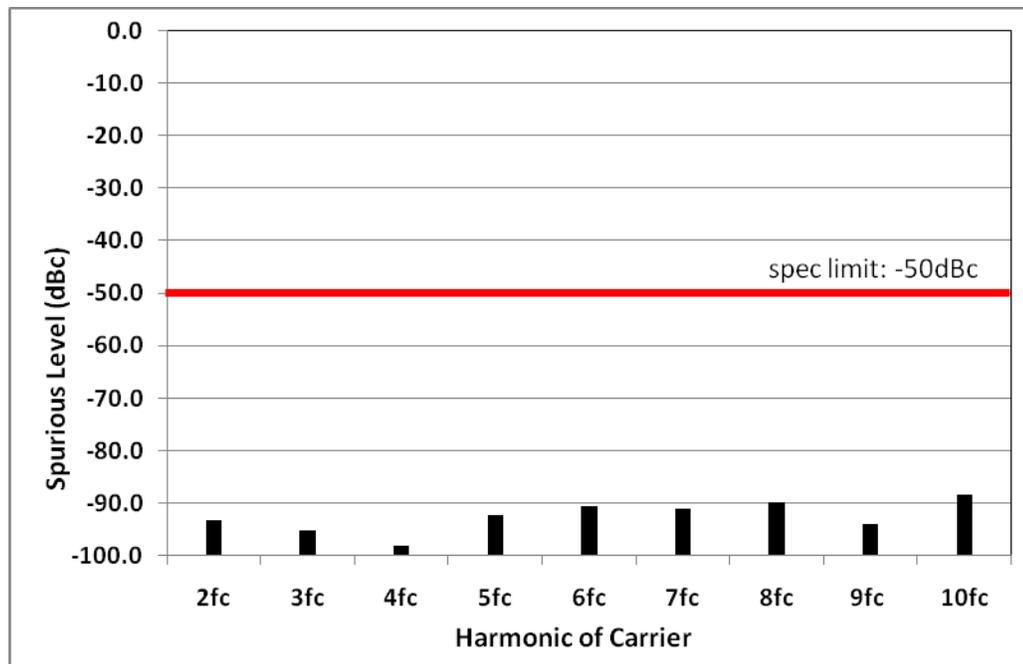


Figure 6C-2: 1 Watt Harmonic of Carrier 436.0125 MHz, 12.5 kHz Channel Spacing

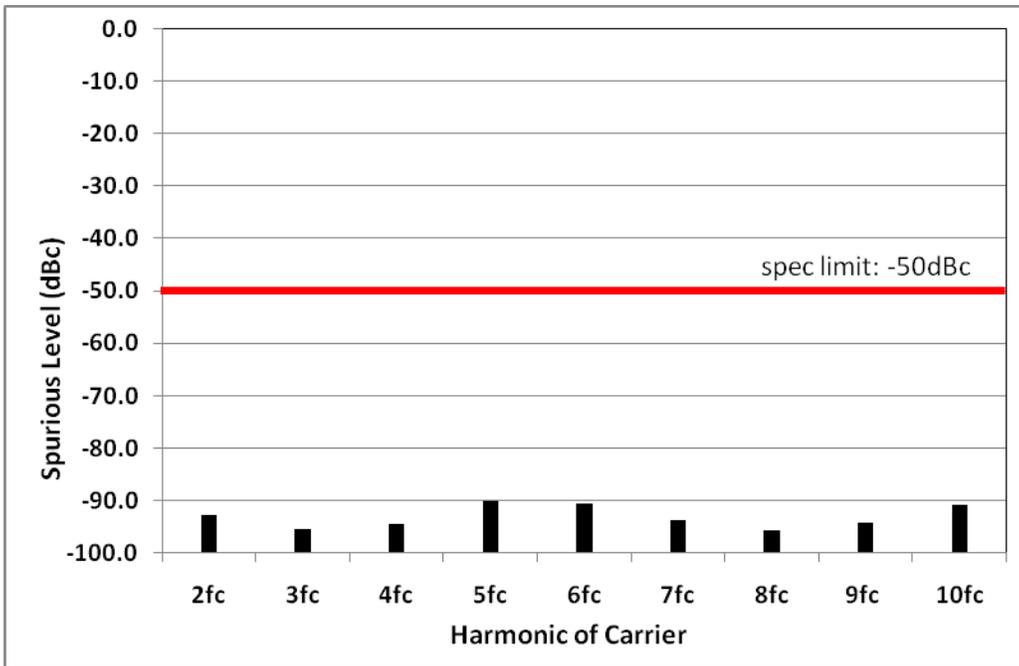


Figure 6C-3: 1 Watt Harmonic of Carrier 469.9875 MHz, 12.5 kHz Channel Spacing

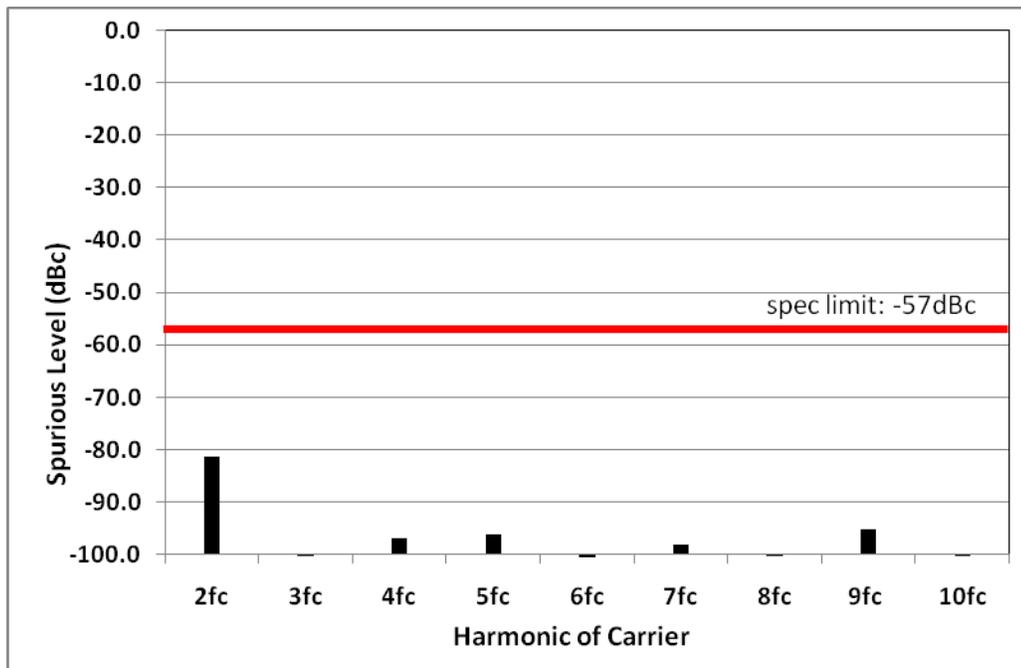


Figure 6C-4: 4.8 Watts Harmonic of Carrier 403.0125 MHz, 12.5 kHz Channel Spacing

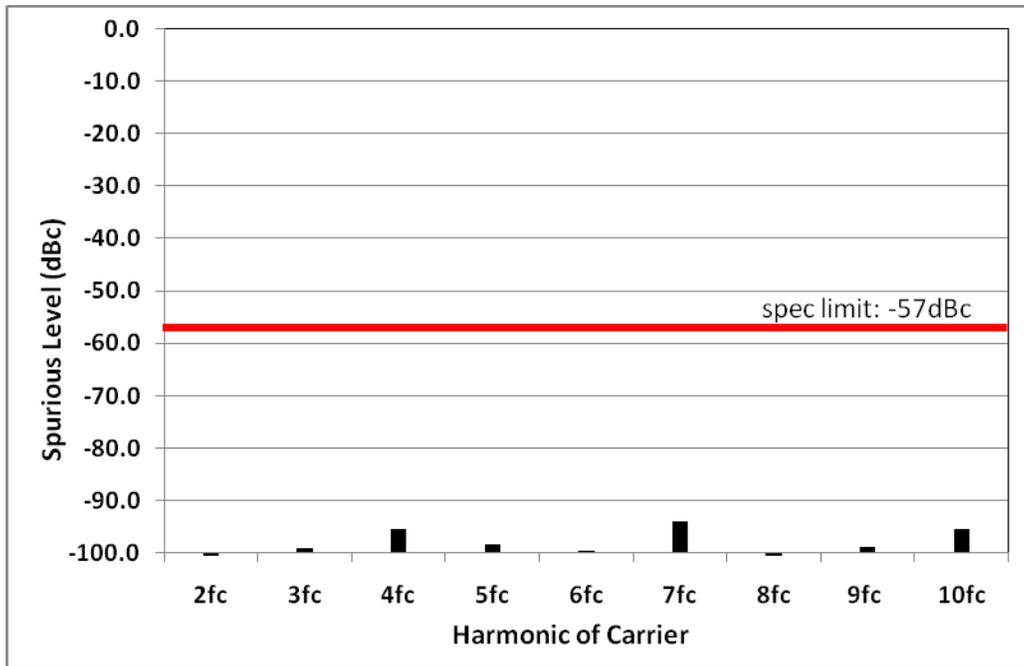


Figure 6C-5: 4.8 Watts Harmonic of Carrier 436.0125 MHz, 12.5 kHz Channel Spacing

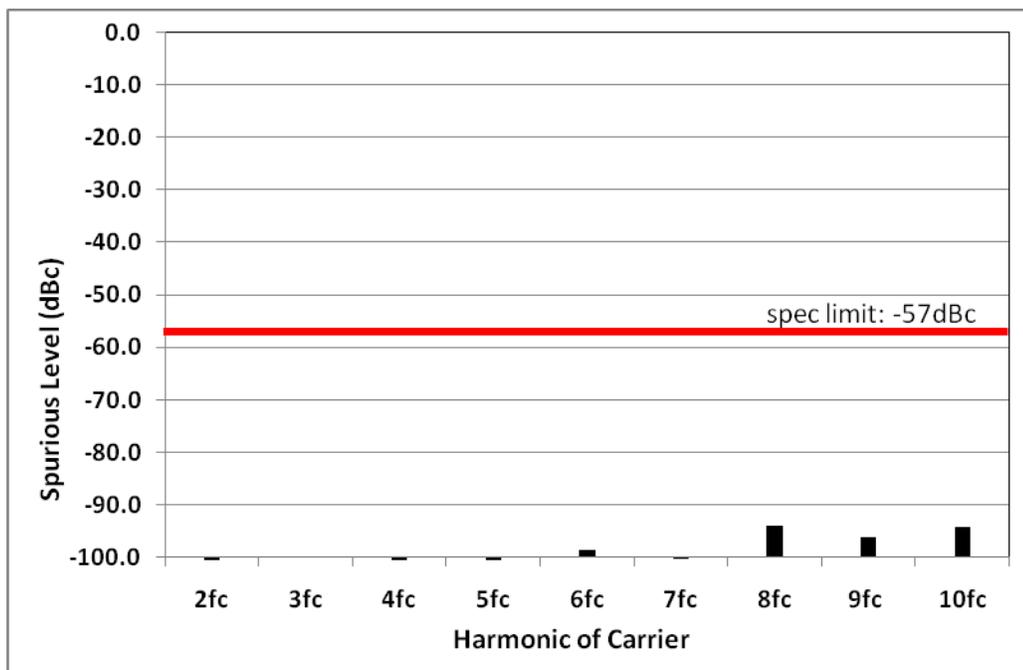


Figure 6C-6: 4.8 Watts Harmonic of Carrier 469.9875 MHz, 12.5 kHz Channel Spacing

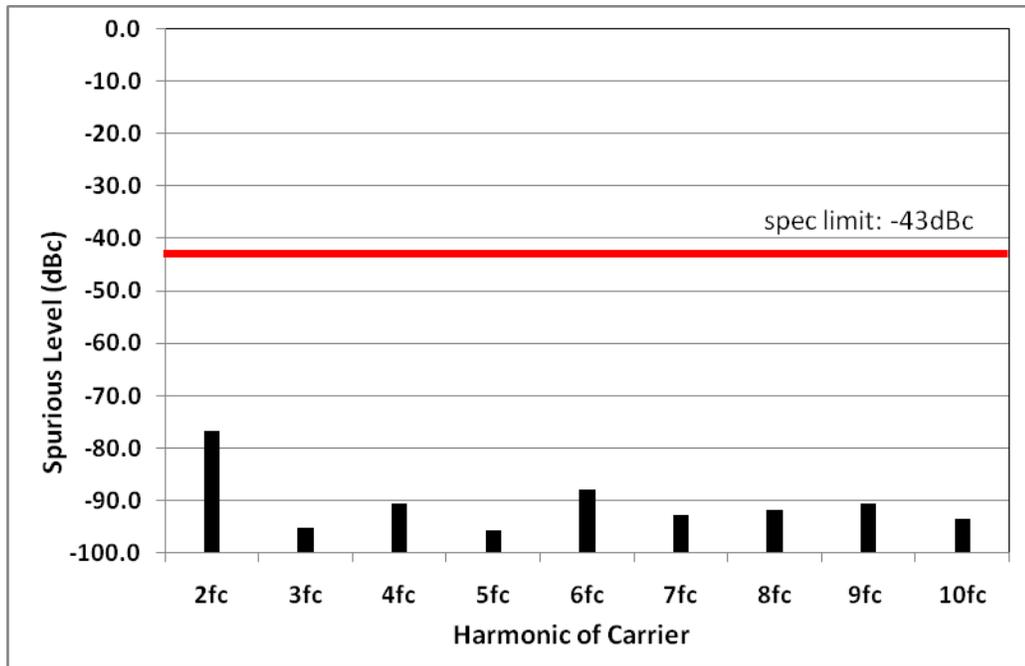


Figure 6C-7: 1 Watt Harmonic of Carrier 403.0125 MHz, 25 kHz Channel Spacing (Not for FCC review)

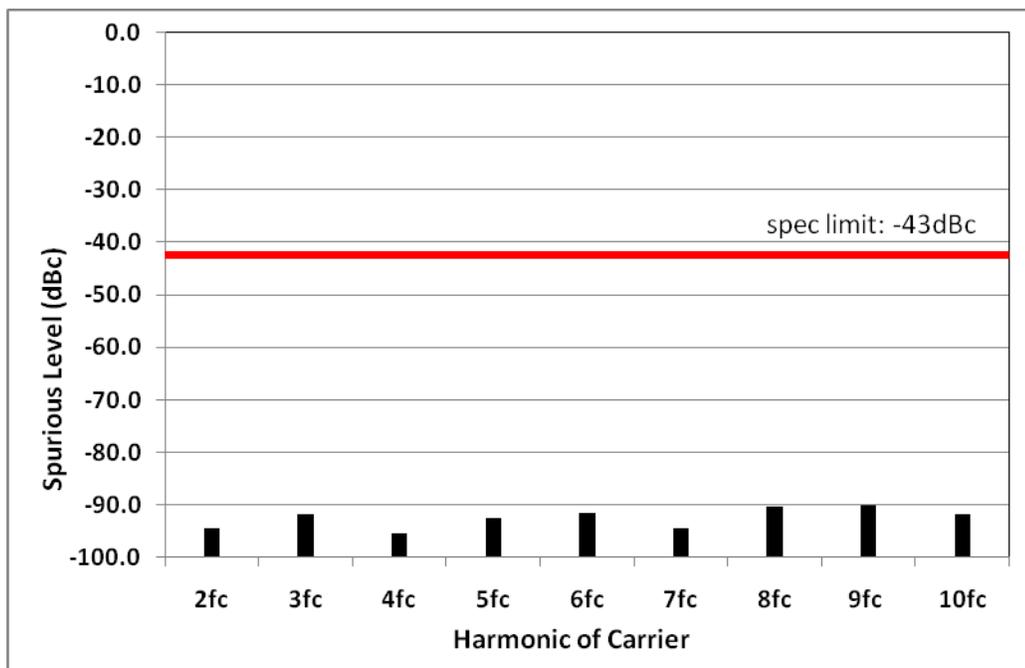


Figure 6C-8: 1 Watt Harmonic of Carrier 436.0125 MHz, 25 kHz Channel Spacing (Not for FCC review)

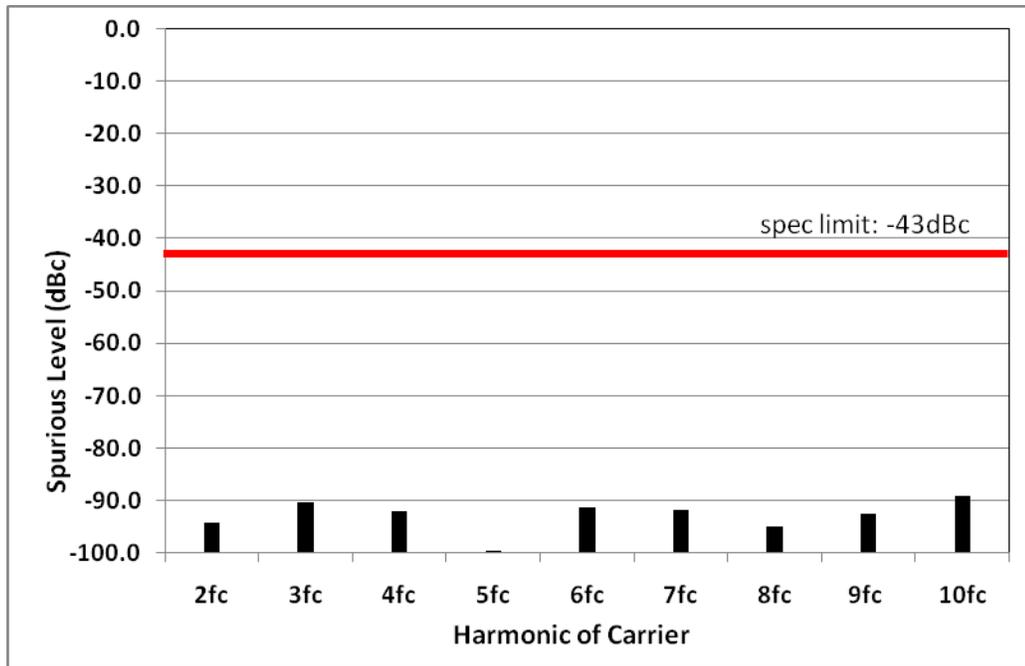


Figure 6C-9: 1 Watt Harmonic of Carrier 469.9875 MHz, 25 kHz Channel Spacing (Not for FCC review)

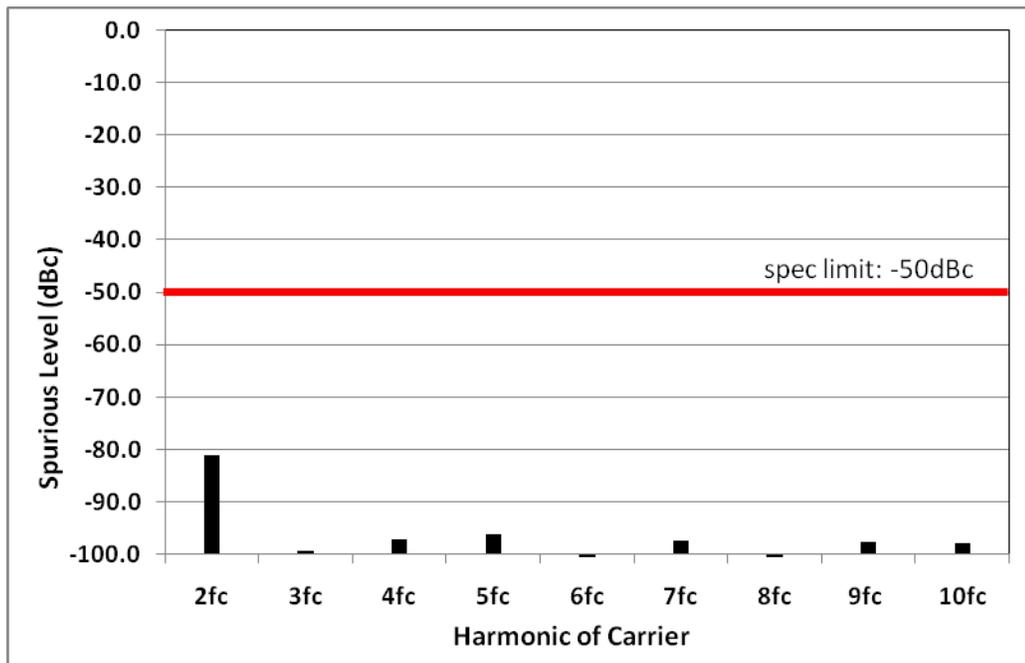


Figure 6C-10: 4.8 Watts Harmonic of Carrier 403.0125 MHz, 25 kHz Channel Spacing (Not for FCC review)

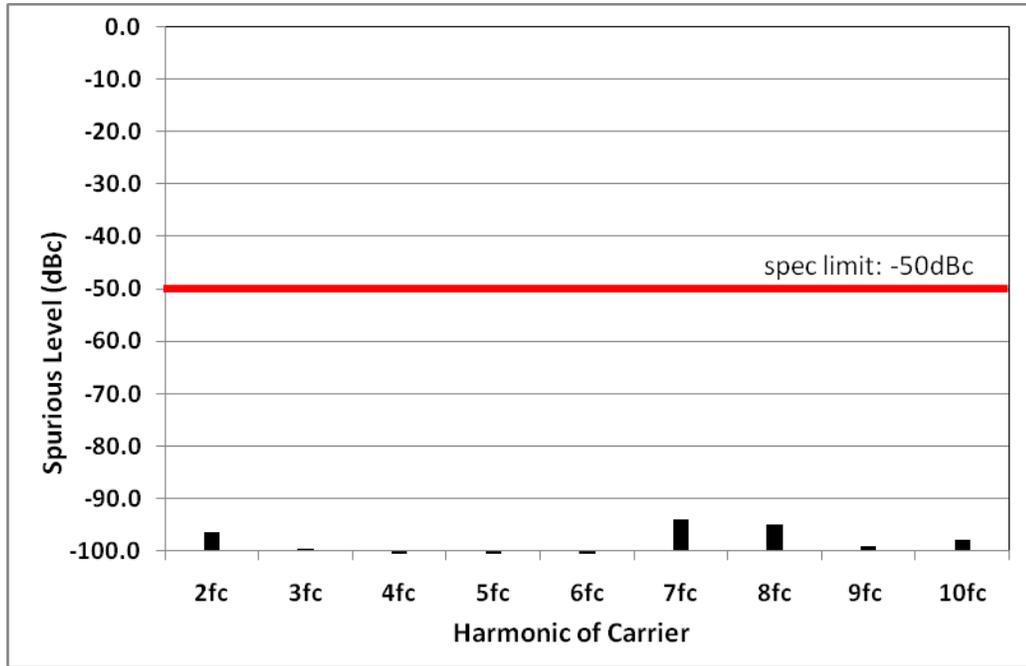


Figure 6C-11: 4.8 Watts Harmonic of Carrier 436.0125 MHz, 25 kHz Channel Spacing (Not for FCC review)

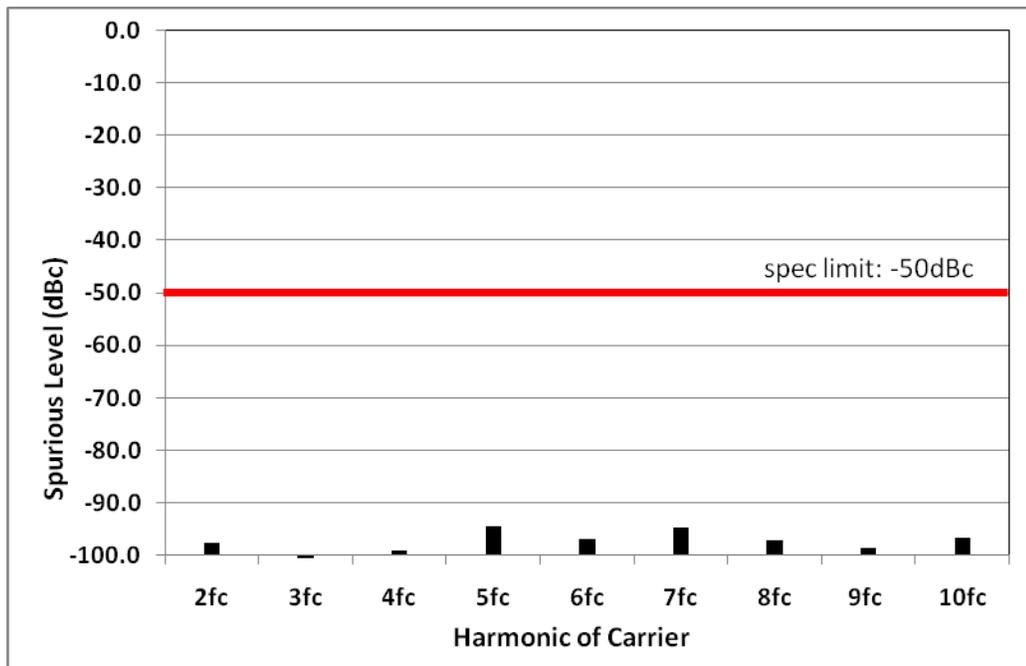


Figure 6C-12: 4.8 Watts Harmonic of Carrier 469.9875 MHz, 25 kHz Channel Spacing (Not for FCC review)

**EXHIBIT 6D - Transmitter Radiated Spurious Emissions**

Spurs which are not shown is less than -70dBm

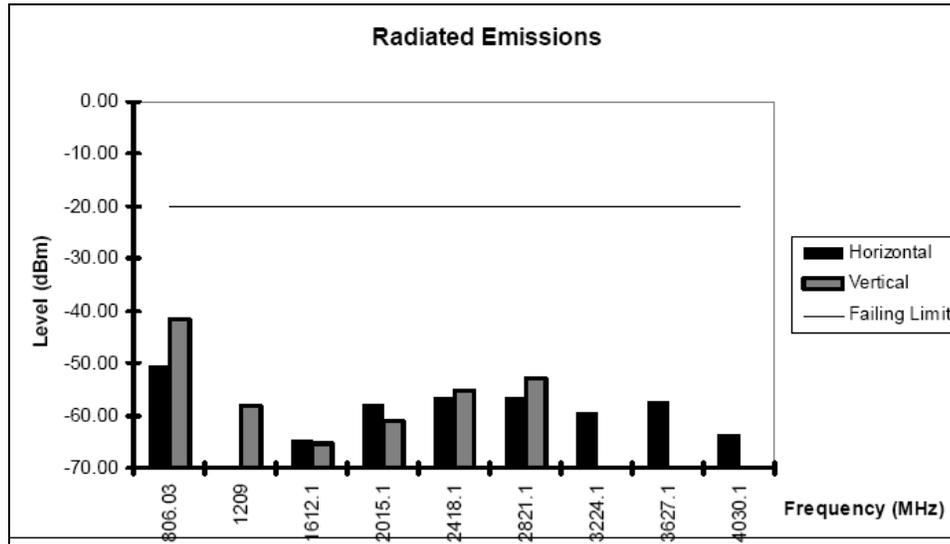


Figure 6D-1: 4.8 Watts Harmonic of Carrier 403.0125 MHz, 12.5 kHz Channel Spacing

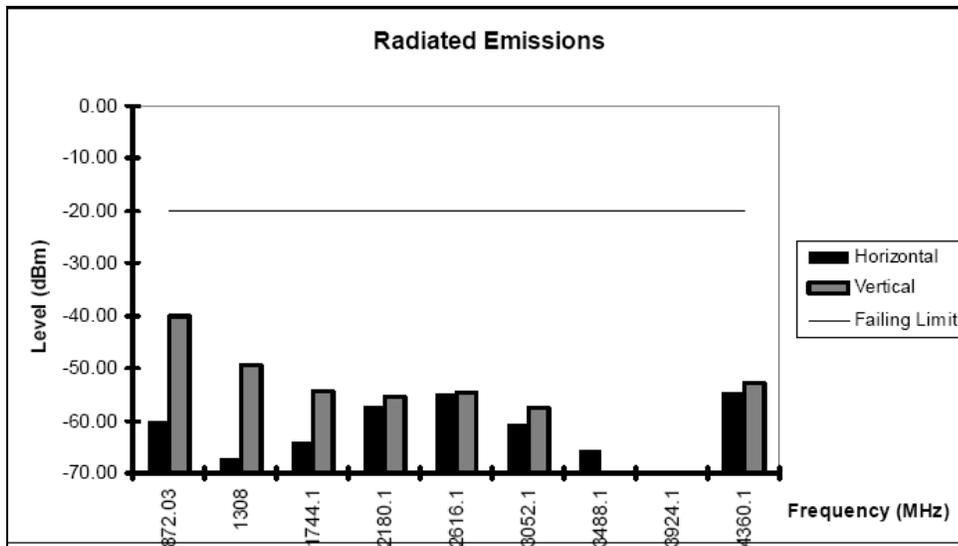


Figure 6D-2: 4.8 Watts Harmonic of Carrier 436.0125 MHz, 12.5 kHz Channel Spacing

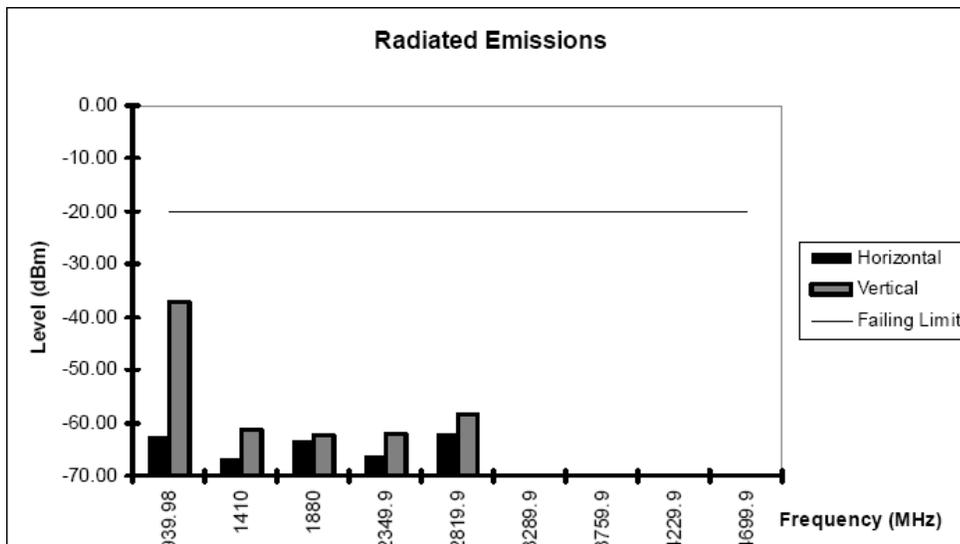


Figure 6D-3: 4.8 Watts Harmonic of Carrier 469.9875 MHz, 12.5 kHz Channel Spacing

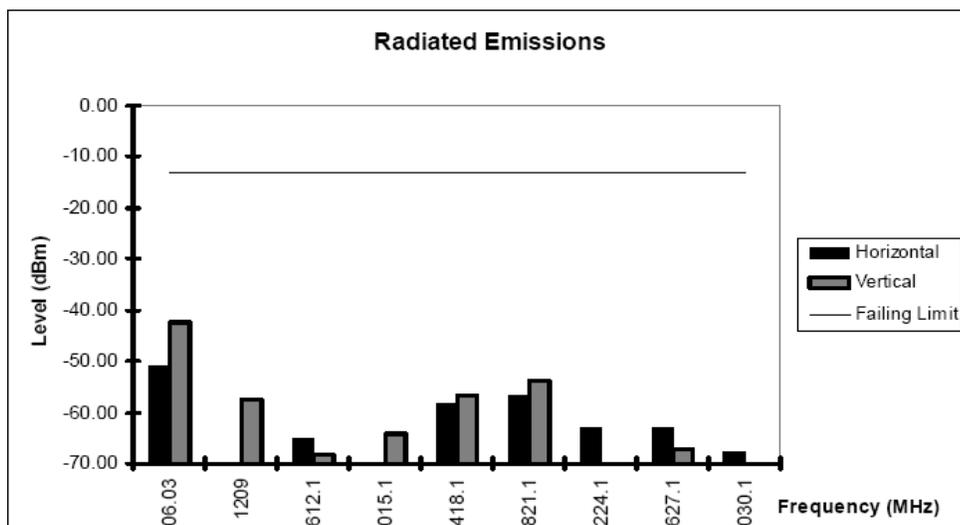


Figure 6D-4: 4.8 Watts Harmonic of Carrier 403.0125 MHz, 25 kHz Channel Spacing (Not for FCC review)

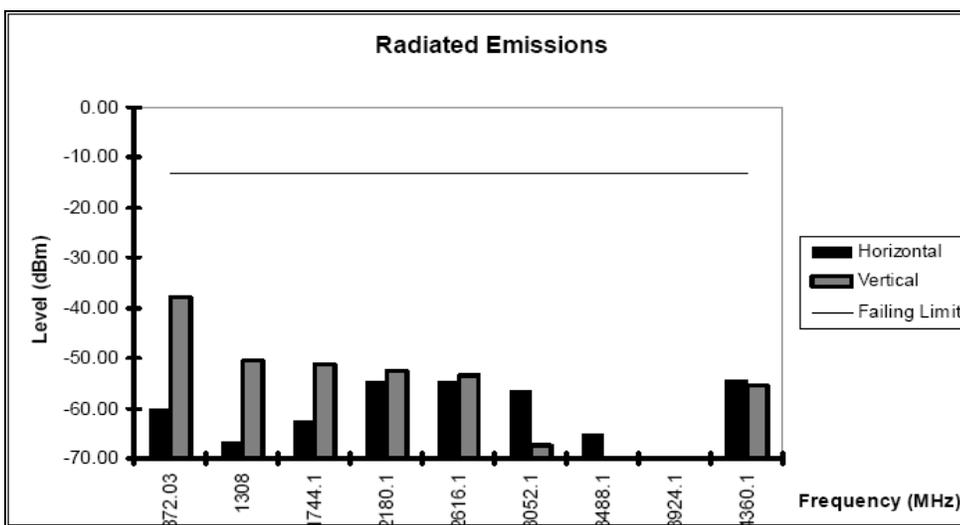


Figure 6D-5: 4.8 Watts Harmonic of Carrier 436.0125 MHz, 25 kHz Channel Spacing (Not for FCC review)

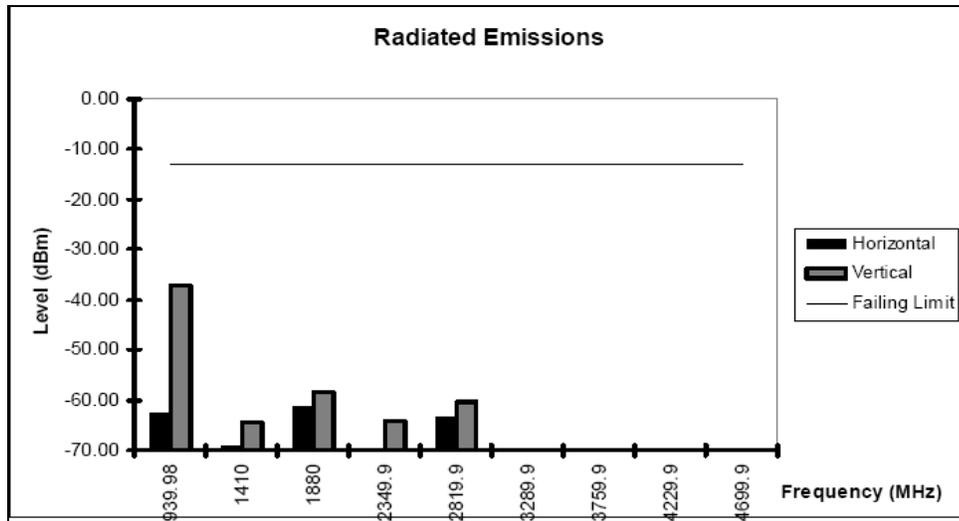


Figure 6D-6: 4.8 Watts Harmonic of Carrier 469.9875 MHz, 25 kHz Channel Spacing (Not for FCC review)

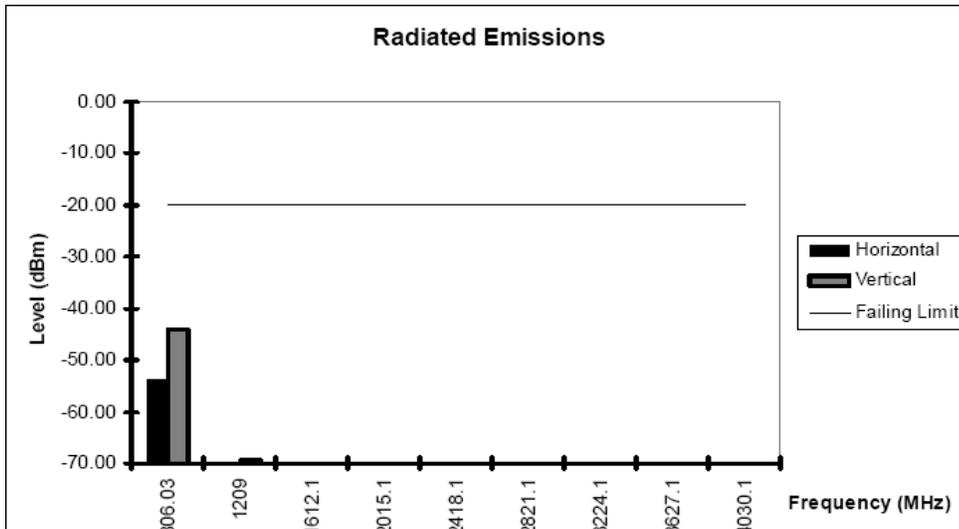


Figure 6D-7: 1 Watts Harmonic of Carrier 403.0125 MHz, 12.5 kHz Channel Spacing

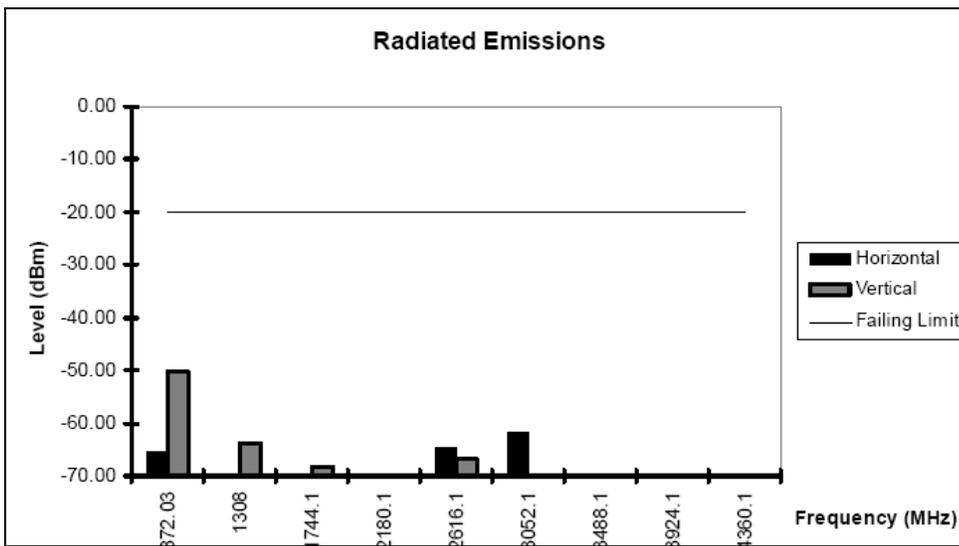


Figure 6D-8: 1 Watts Harmonic of Carrier 436.0125 MHz, 12.5 kHz Channel Spacing

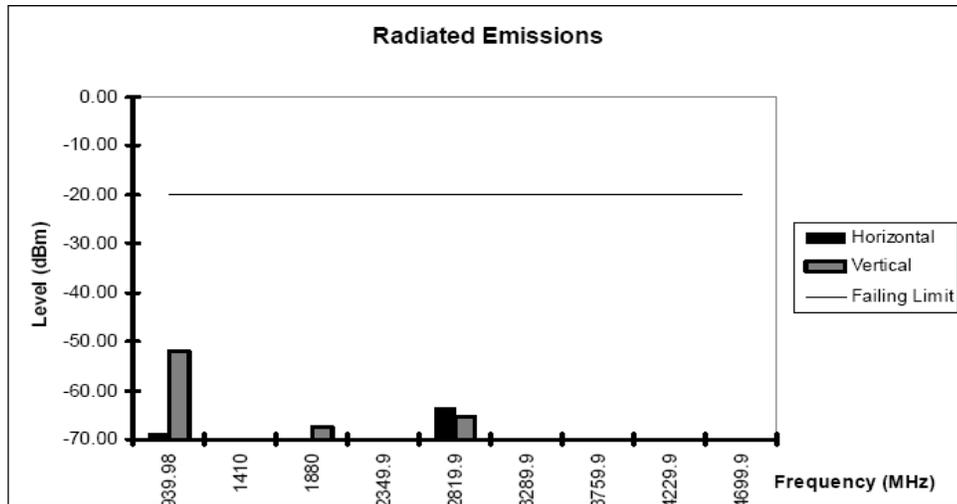


Figure 6D-9: 1 Watts Harmonic of Carrier 469.9875 MHz, 12.5 kHz Channel Spacing

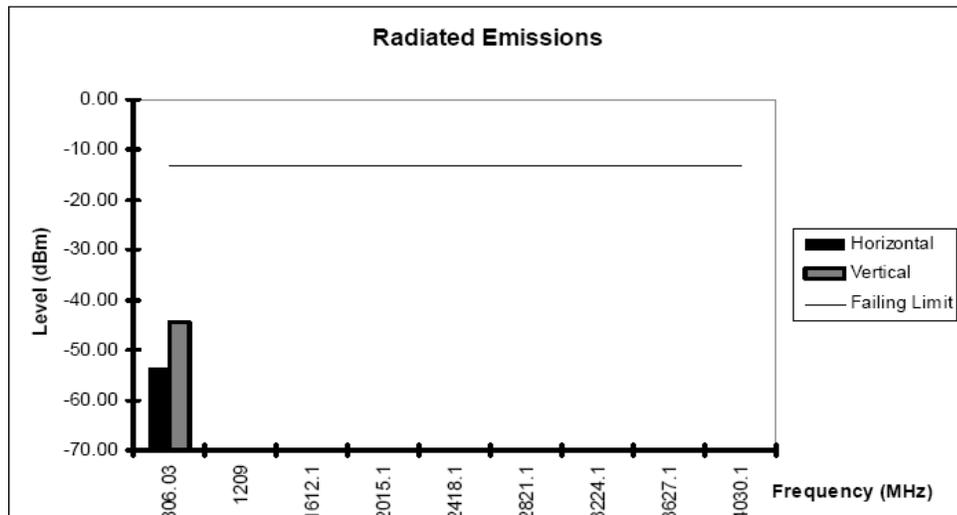


Figure 6D-10: 1 Watts Harmonic of Carrier 403.0125 MHz, 25 kHz Channel Spacing (Not for FCC review)

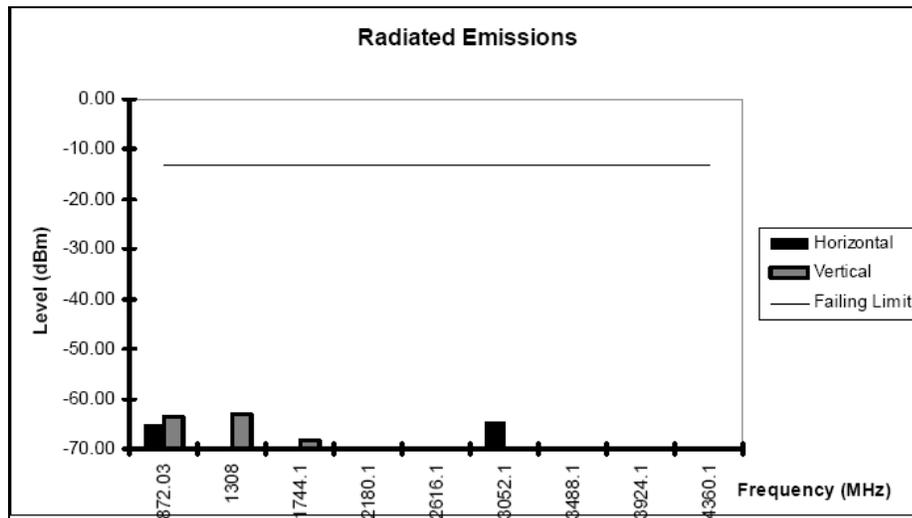


Figure 6D-11: 1 Watts Harmonic of Carrier 436.0125 MHz, 25 kHz Channel Spacing (Not for FCC review)

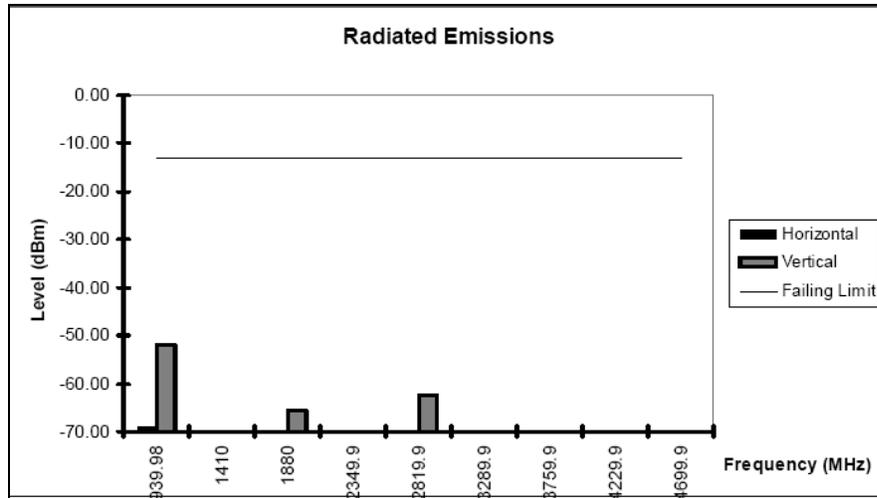


Figure 6D-12: 1 Watts Harmonic of Carrier 469.9875 MHz, 25 kHz Channel Spacing (Not for FCC review)

EXHIBIT 6E – Occupied Bandwidth

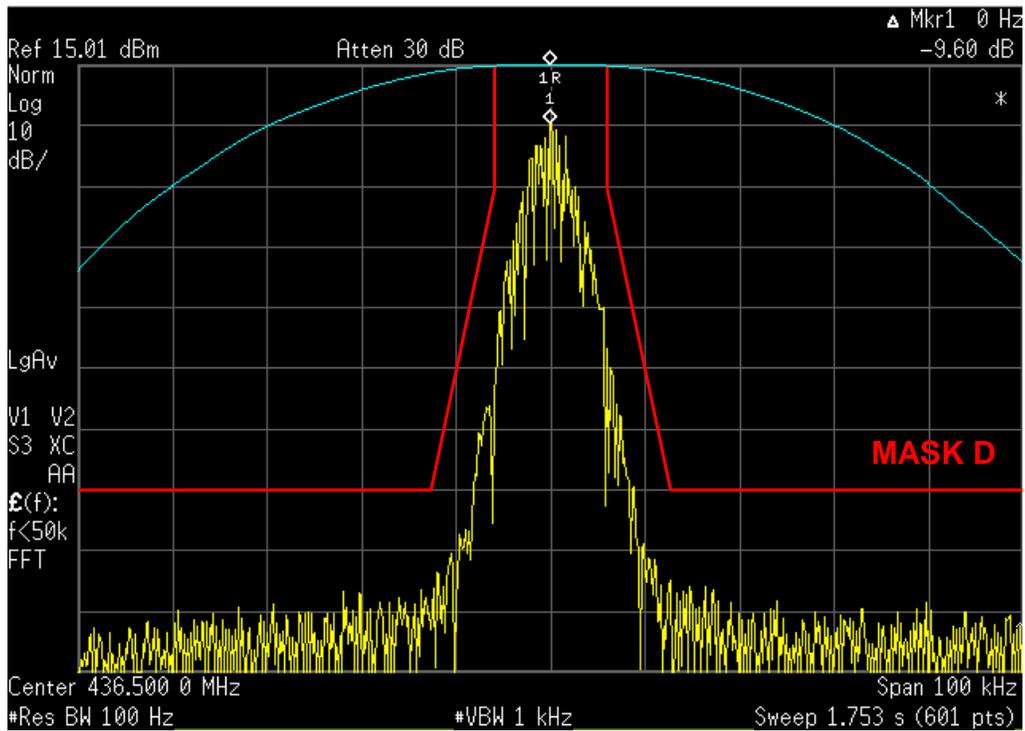


Figure 6E-1: O.153 Test Pattern 4FSK Voice and Data Modulation, 7K60F1E

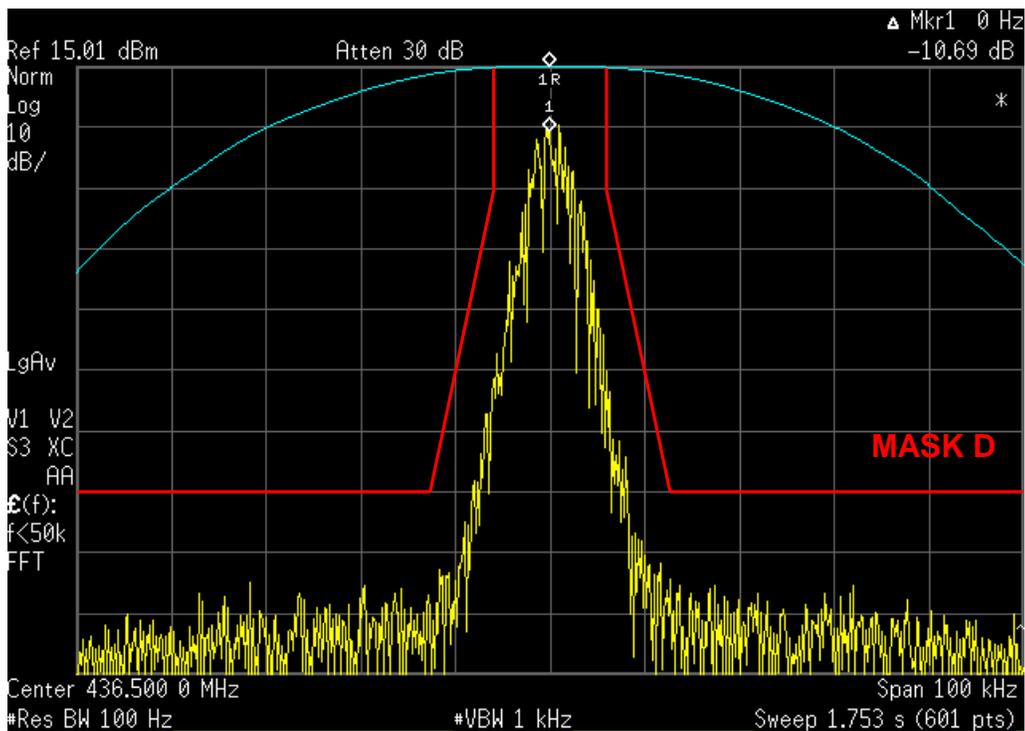


Figure 6E-2: O.153 Test Pattern 4FSK Data Modulation Only, 7K60F1D

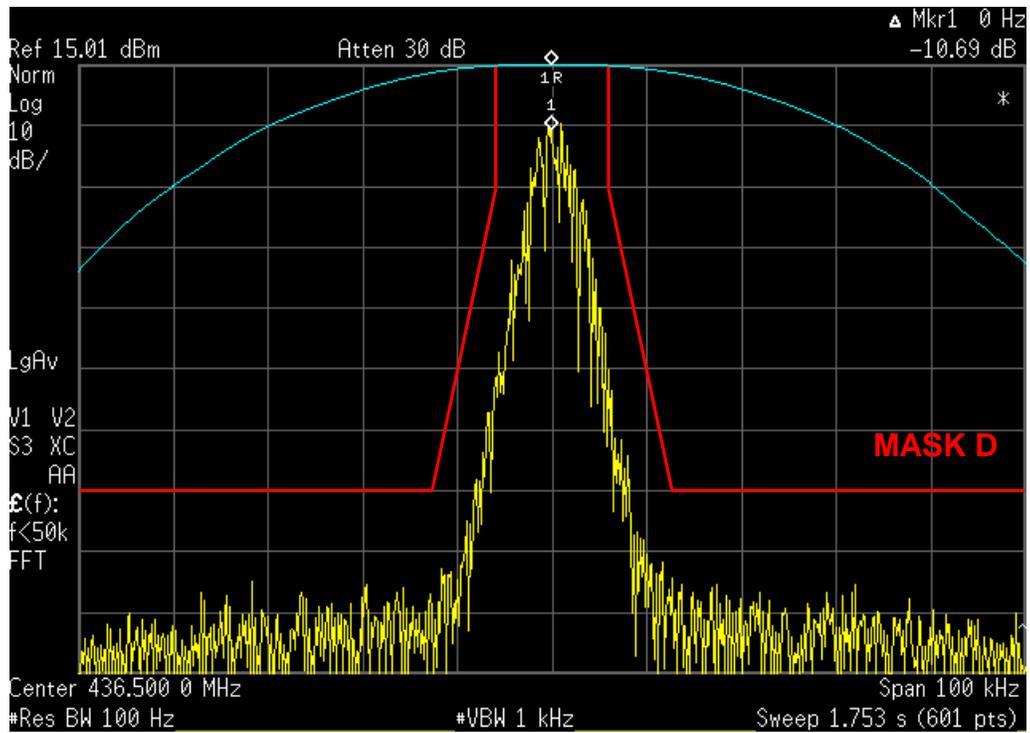


Figure 6E-3: O.153 Test Pattern Digital TDMA, 7K60F1W