

**EXHIBIT 6**

**INDEX OF SUBMITTED MEASURED DATA**

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

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**6G-1 – 4 Watts, 450.025 MHz, 12.5 kHz Channel Spacing**

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**EXHIBIT 6I – Transient Frequency Behavior (4 Graphs)**

**6I-1 – 4 Watts, 460.025MHz, 12.5 kHz Key-Up Attack Time**

**6I-2 – 4 Watts, 460.025MHz, 12.5 kHz De-Key Decay Time**

**6I-3 – 4 Watts, 460.025MHz, 25 kHz Key-Up Attack Time**

**6I-4 – 4 Watts, 460.025MHz, 25 kHz De-Key Decay Time**

**\*\* Please note that the above data were taken following the procedures and limits outlined in TIA 603-C**

**EXHIBIT 6A**

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

The RF power output was measured with the indicated voltage applied to and current into the final RF amplifying device (Q403).

**At maximum output power setting, Frequency 450.025 MHz:**

|                   |                |
|-------------------|----------------|
| Output RF power   | 4.16 Watts     |
| DC Voltage        | 7.50 Volts     |
| DC Current        | 1.13 A         |
| RF PA Input Power | 400 milliWatts |

**At minimum output power setting, Frequency 450.025 MHz:**

|                   |                |
|-------------------|----------------|
| Output RF power   | 1.04Watts      |
| DC Voltage        | 7.50 Volts     |
| DC Current        | 0.56 A         |
| RF PA Input Power | 127 milliWatts |

**At maximum output power setting, Frequency 460.025 MHz:**

|                   |                |
|-------------------|----------------|
| Output RF power   | 4.12 Watts     |
| DC Voltage        | 7.50 Volts     |
| DC Current        | 1.13 A         |
| RF PA Input Power | 422 milliWatts |

**At minimum output power setting, Frequency 460.025 MHz:**

|                   |                |
|-------------------|----------------|
| Output RF power   | 1.06 Watts     |
| DC Voltage        | 7.50 Volts     |
| DC Current        | 0.58 A         |
| RF PA Input Power | 146 milliWatts |

**At maximum output power setting, Frequency 469.975 MHz:**

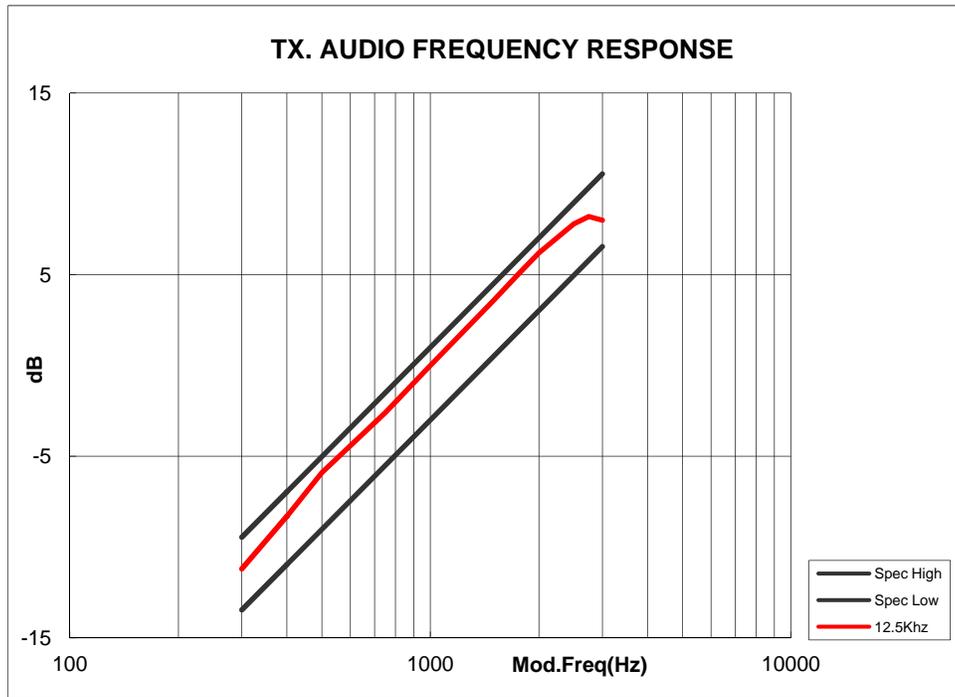
|                   |                |
|-------------------|----------------|
| Output RF power   | 4.04 Watts     |
| DC Voltage        | 7.50 Volts     |
| DC Current        | 1.14 A         |
| RF PA Input Power | 468 milliWatts |

**At minimum output power setting, Frequency 469.975 MHz:**

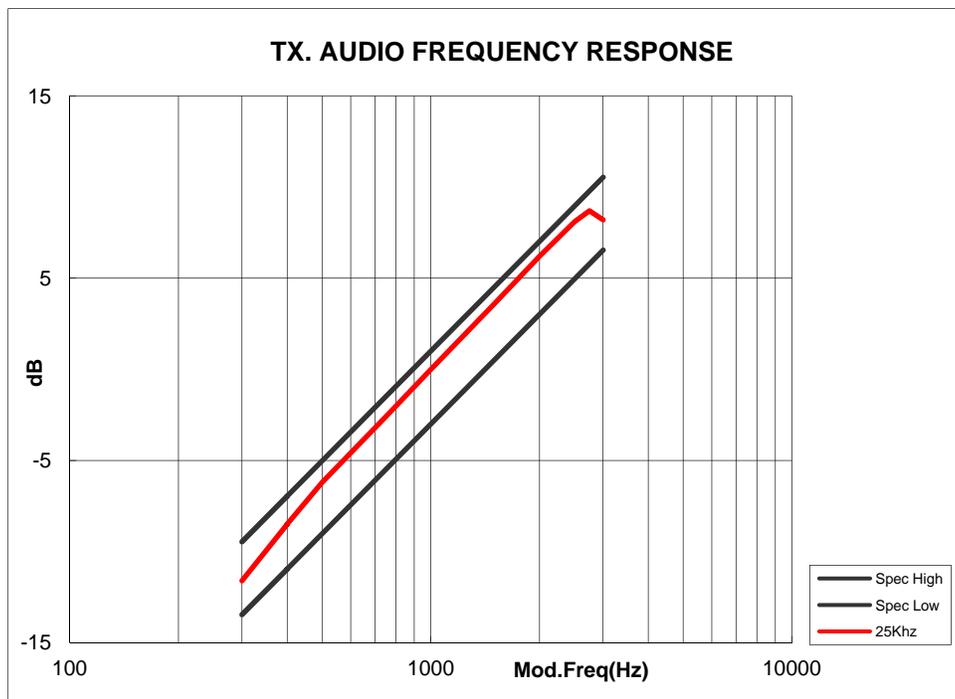
|                   |                |
|-------------------|----------------|
| Output RF power   | 1.05 Watts     |
| DC Voltage        | 7.50 Volts     |
| DC Current        | 0.58 A         |
| RF PA Input Power | 153 milliWatts |

**EXHIBIT 6B**

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



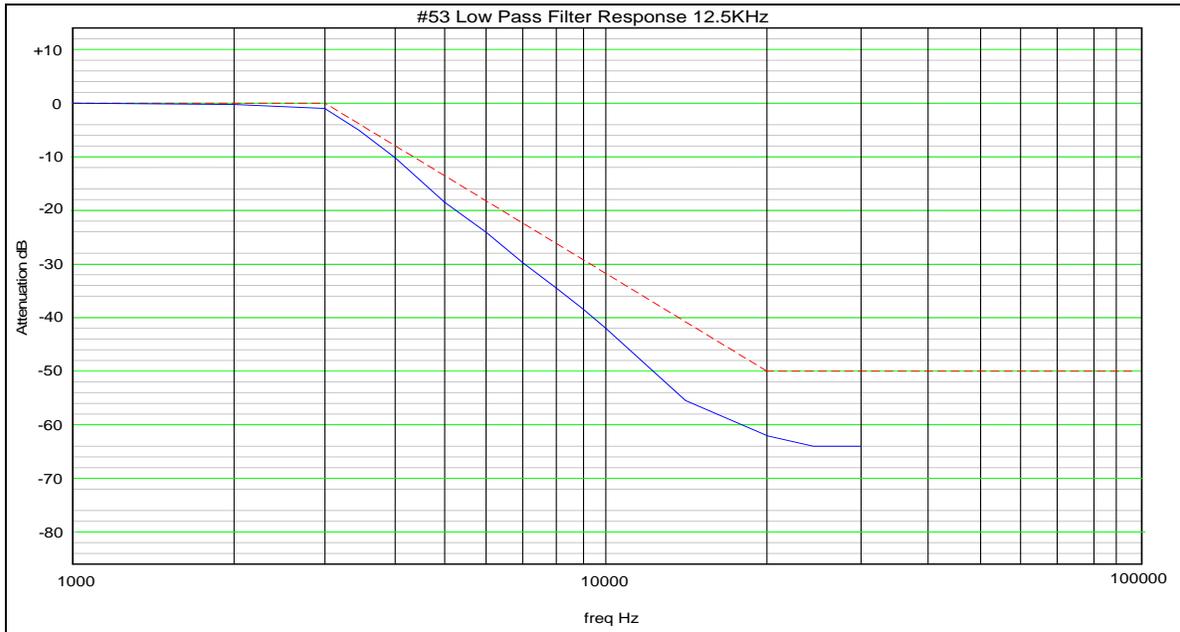
**Figure 6B-1:** 12.5 KHz Channel Spacing, 460.025 MHz, Transmit Audio Frequency Response



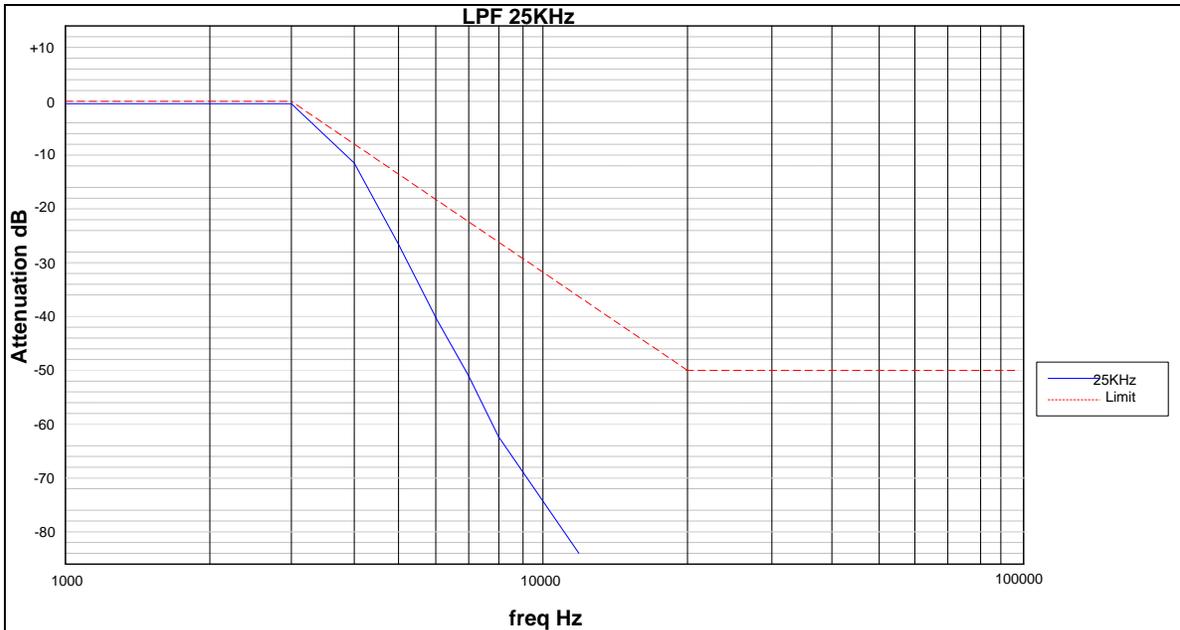
**Figure 6B-2:** 25 kHz Channel Spacing, 460.025 MHz, Transmit Audio Frequency Response

**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, 460.025 MHz, Transmit Audio Lowpass Filter Response

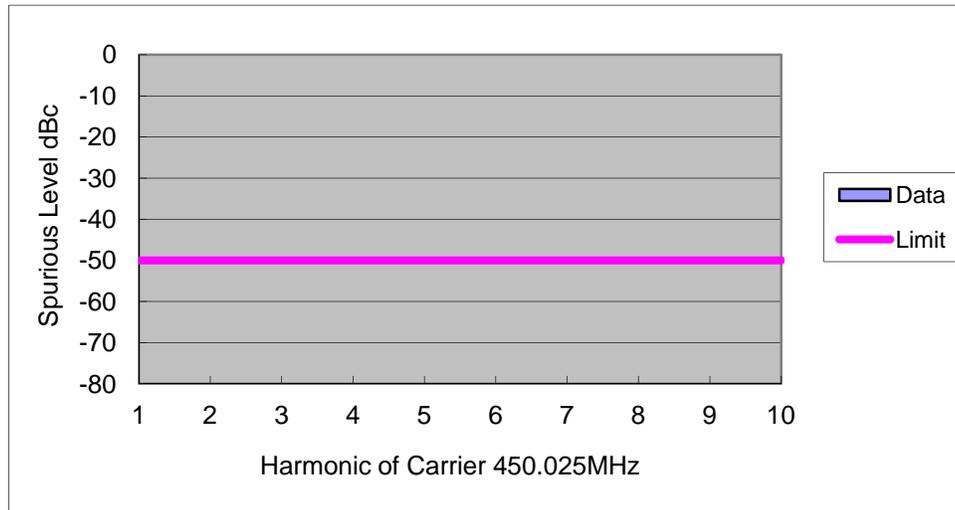


**Figure 6C-2:** 25 kHz Channel Spacing, 460.025 MHz, Transmit Audio Low pass Filter Response

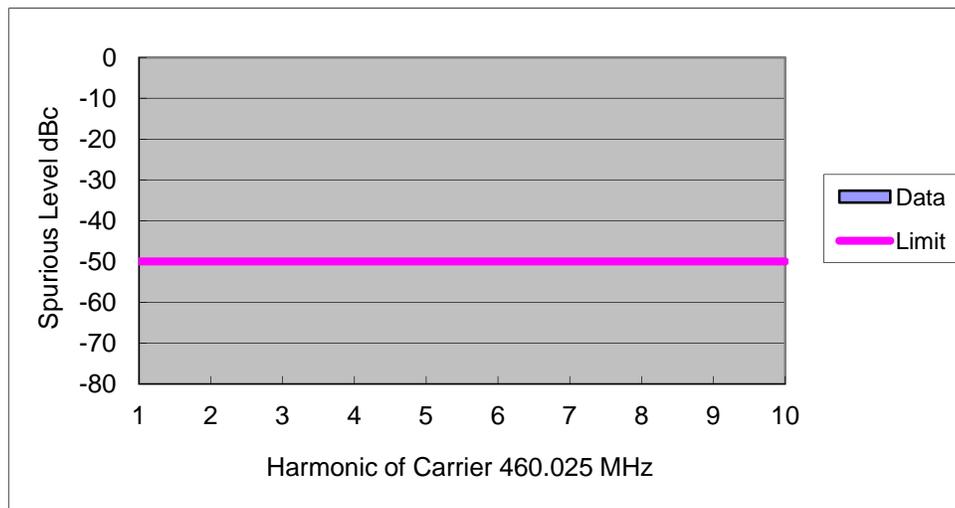
**EXHIBIT 6F**

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

Note: Red lines on graphs correspond to the FCC limit of -20 dBm for 12.5 kHz channel spacing and -13 dBm for 25 kHz channel spacing.



**Figure 6F-1:** 1 Watt Harmonic of Carrier 450.025 MHz, 12.5 kHz Channel Spacing



**Figure 6F-2:** 1 Watt Harmonic of Carrier 460.025 MHz, 12.5 kHz Channel Spacing

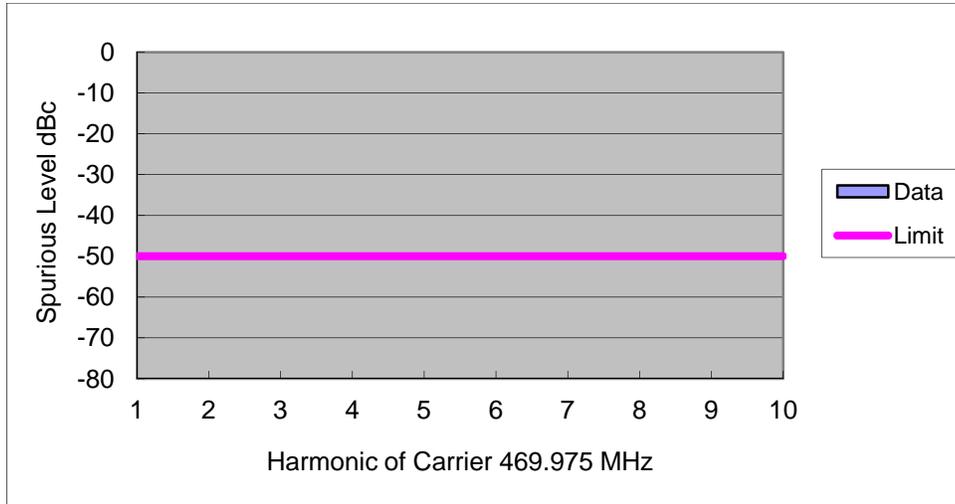


Figure 6F-3: 1 Watt Harmonic of Carrier 469.975 MHz, 12.5 kHz Channel Spacing

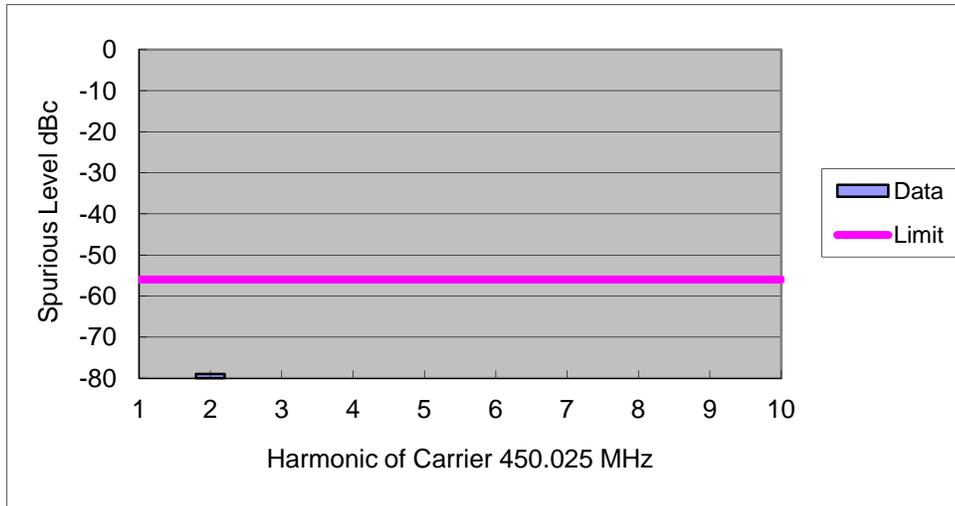


Figure 6F-4: 4 Watt Harmonic of Carrier 450.025 MHz, 12.5 kHz Channel Spacing

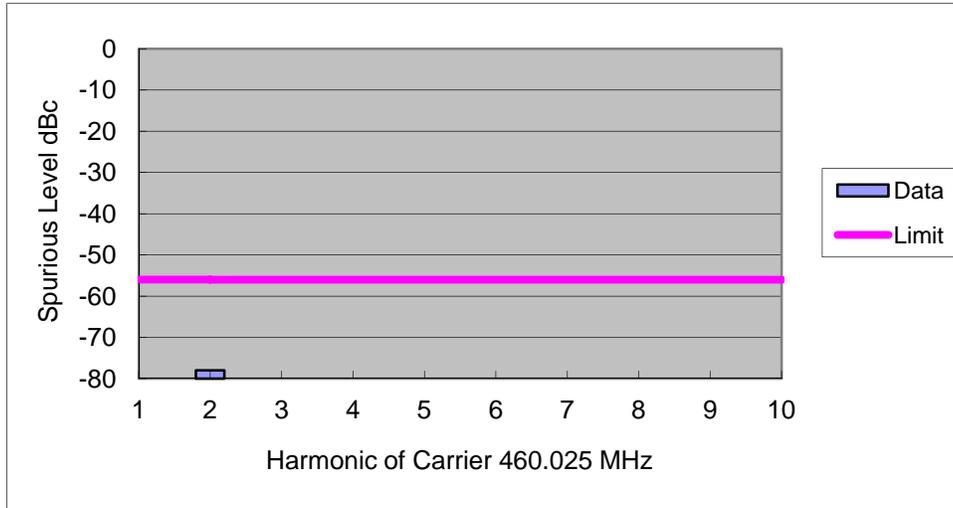


Figure 6F-5: 4 Watt Harmonic of Carrier 460.025 MHz, 12.5 kHz Channel Spacing

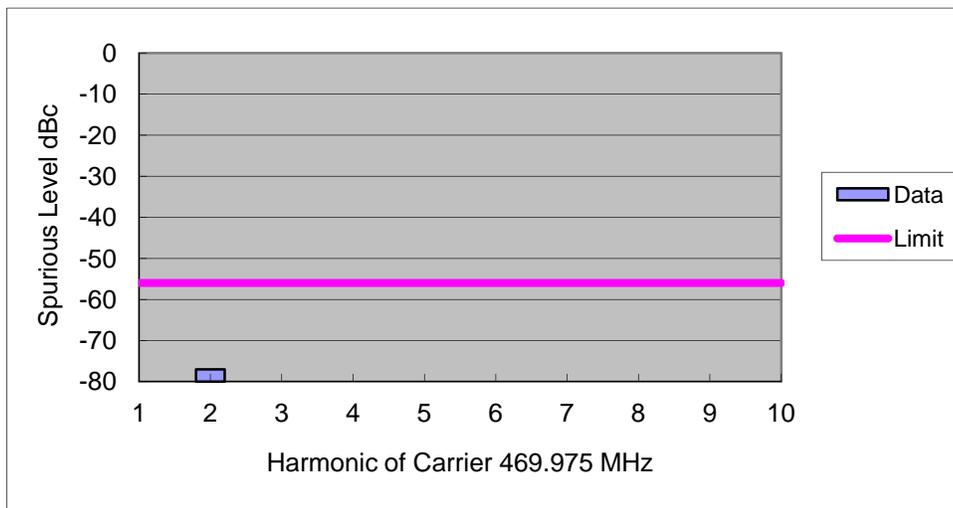


Figure 6F-6: 4 Watt Harmonic of Carrier 469.975 MHz, 12.5 kHz Channel Spacing

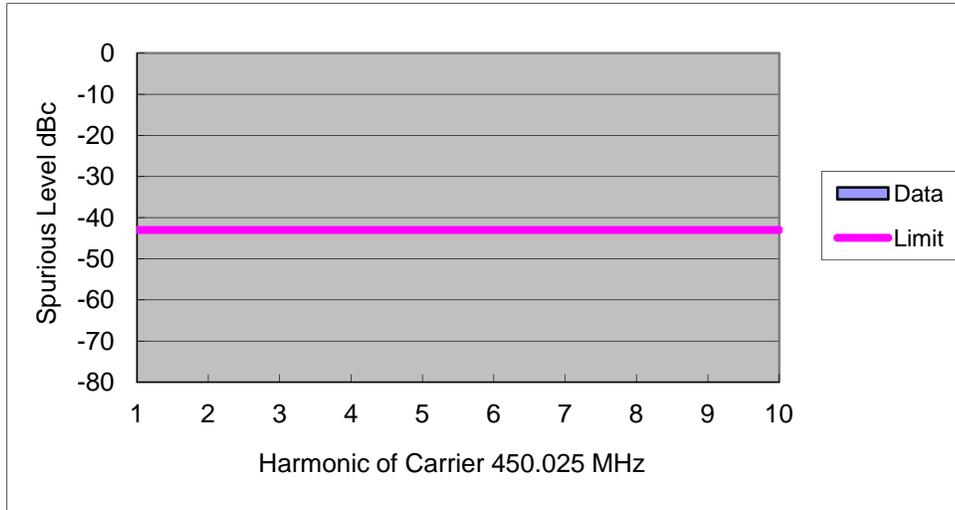


Figure 6F-7: 1 Watt Harmonic of Carrier 450.025 MHz, 25 kHz Channel Spacing

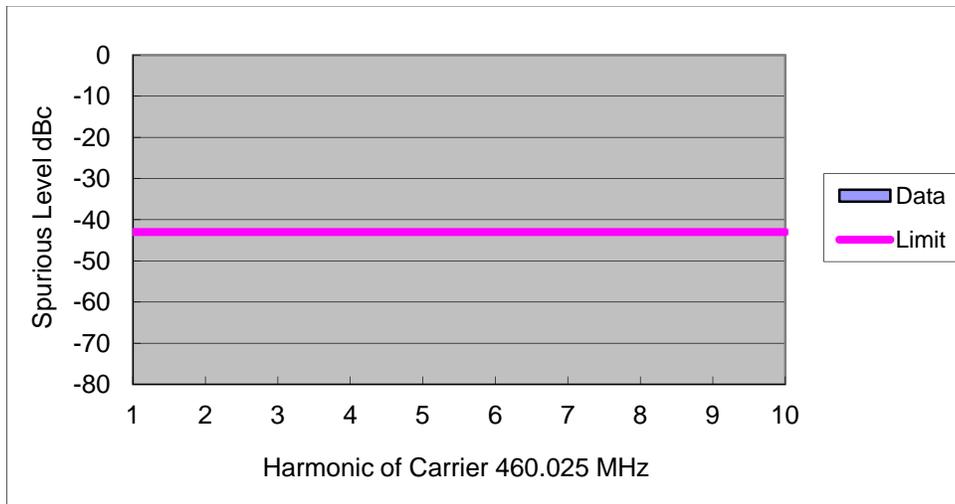


Figure 6F-8: 1 Watt Harmonic of Carrier 460.025 MHz, 25 kHz Channel Spacing

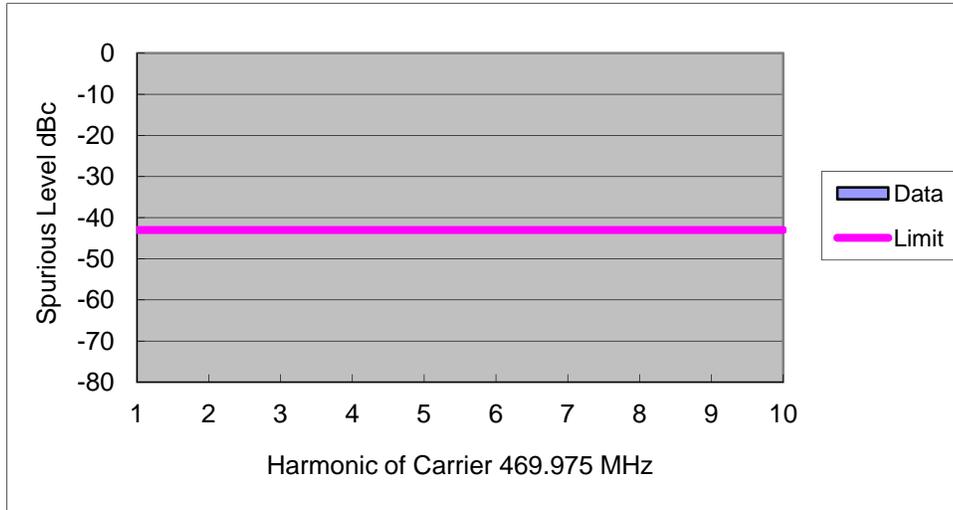


Figure 6F-9: 1 Watt Harmonic of Carrier 469.975 MHz, 25 kHz Channel Spacing

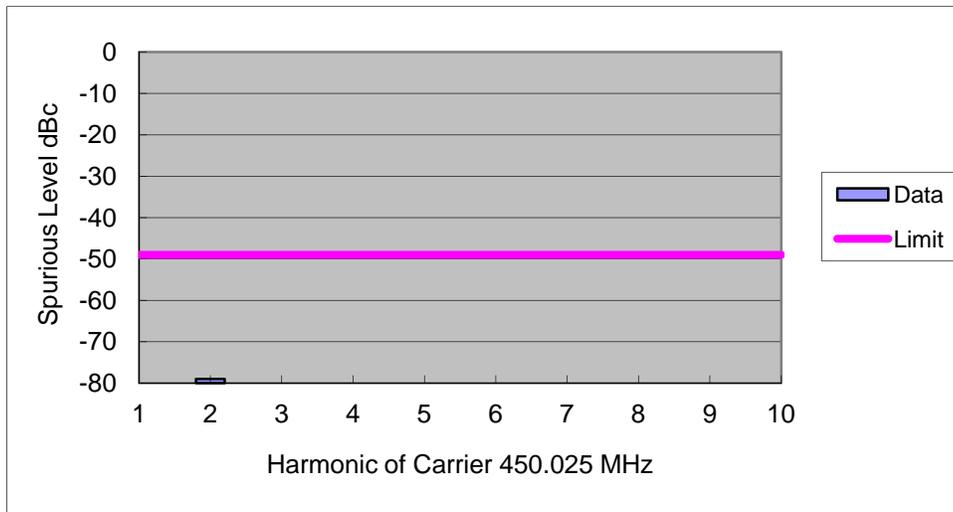


Figure 6F-10: 4 Watt Harmonic of Carrier 450.025 MHz, 25 kHz Channel Spacing

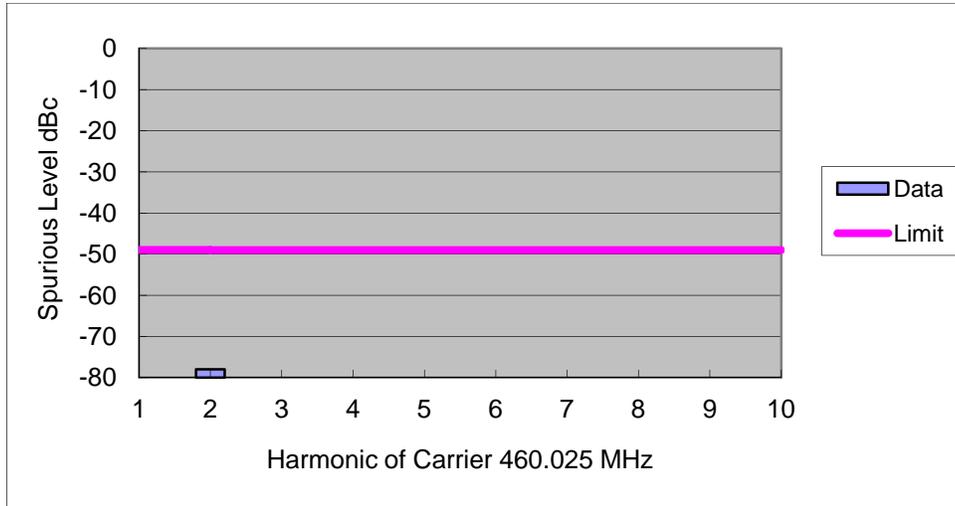


Figure 6F-11: 4 Watt Harmonic of Carrier 460.025 MHz, 25 kHz Channel Spacing

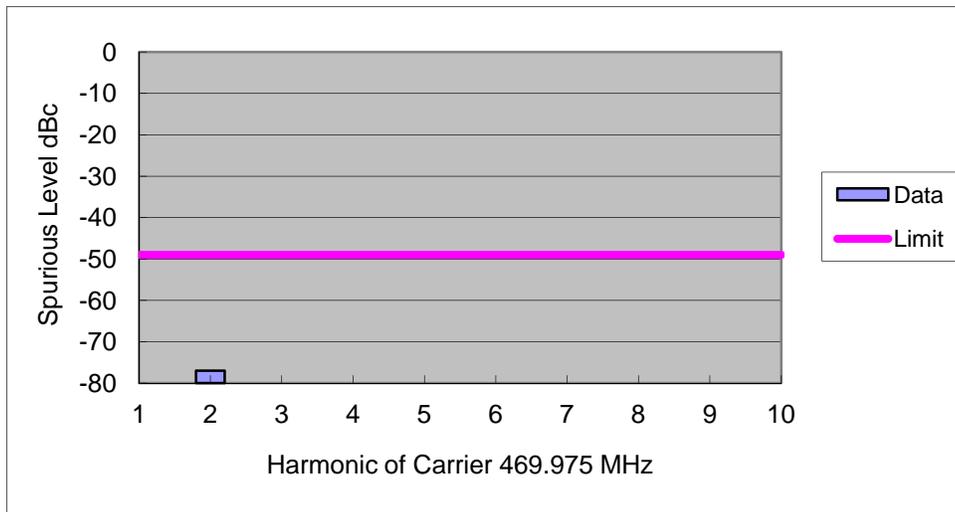
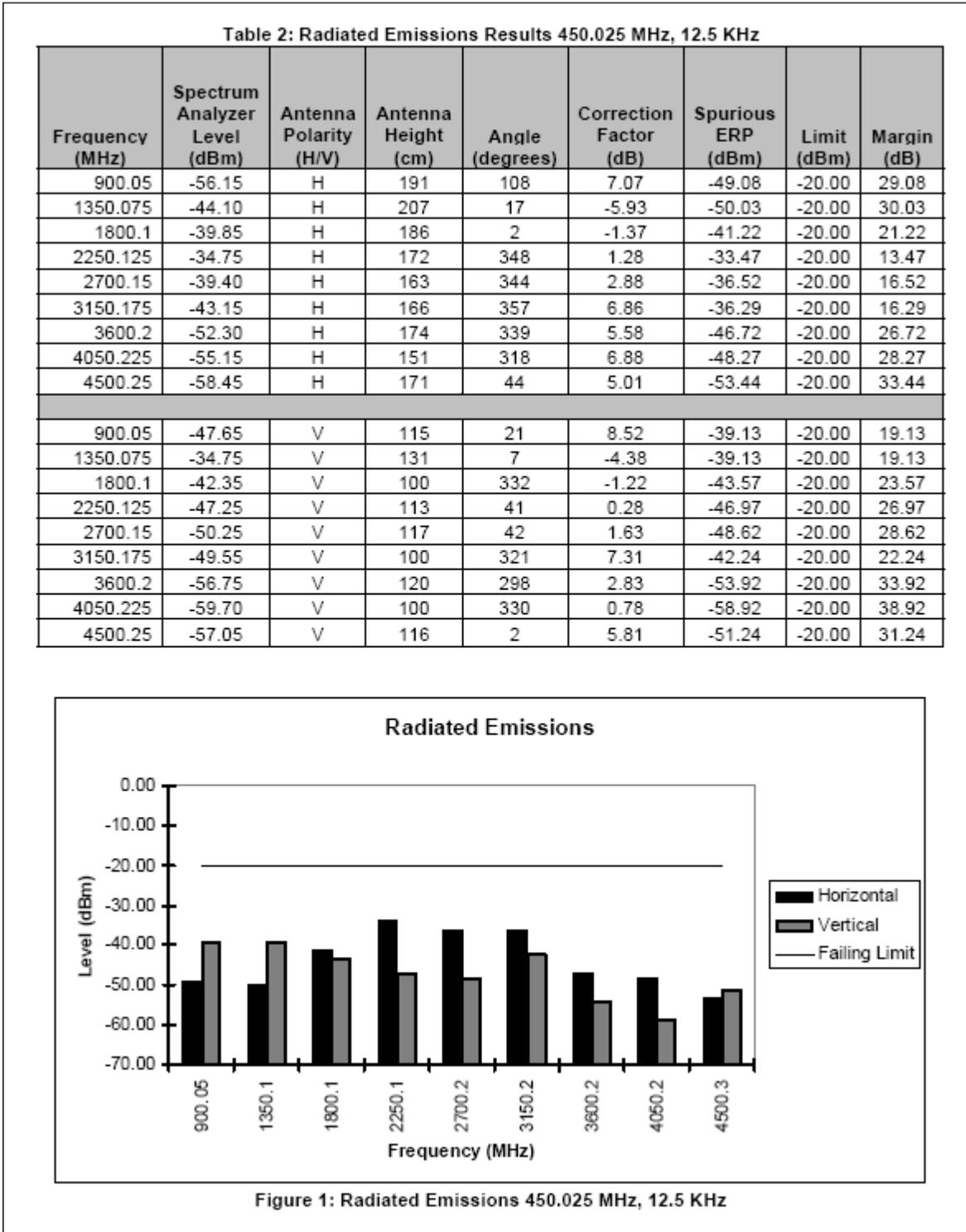


Figure 6F-12: 4 Watt Harmonic of Carrier 469.975 MHz, 25 kHz Channel Spacing

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



**Figure 6G-1: 4 Watts, 450.025 MHz, 12.5 kHz Channel Spacing**

Table 3: Radiated Emissions Results 460.025 MHz, 12.5 KHz

| Frequency (MHz) | Spectrum Analyzer Level (dBm) | Antenna Polarity (H/V) | Antenna Height (cm) | Angle (degrees) | Correction Factor (dB) | Spurious ERP (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------------|------------------------|---------------------|-----------------|------------------------|--------------------|-------------|-------------|
| 920.05          | -63.00                        | H                      | 308                 | 297             | 5.15                   | -57.85             | -20.00      | 37.85       |
| 1380.075        | -42.45                        | H                      | 197                 | 332             | -5.73                  | -48.18             | -20.00      | 28.18       |
| 1840.1          | -41.40                        | H                      | 176                 | 333             | -0.12                  | -41.52             | -20.00      | 21.52       |
| 2300.125        | -38.15                        | H                      | 170                 | 348             | 1.24                   | -36.91             | -20.00      | 16.91       |
| 2760.15         | -40.65                        | H                      | 164                 | 358             | 3.63                   | -37.02             | -20.00      | 17.02       |
| 3220.175        | -42.10                        | H                      | 159                 | 344             | 6.32                   | -35.78             | -20.00      | 15.78       |
| 3680.2          | -54.35                        | H                      | 154                 | 323             | 5.48                   | -48.87             | -20.00      | 28.87       |
| 4140.225        | -57.05                        | H                      | 134                 | 318             | 6.48                   | -50.57             | -20.00      | 30.57       |
| 4600.25         | -56.65                        | H                      | 149                 | 320             | 7.54                   | -49.11             | -20.00      | 29.11       |
| <hr/>           |                               |                        |                     |                 |                        |                    |             |             |
| 920.05          | -57.95                        | V                      | 115                 | 31              | 7.15                   | -50.80             | -20.00      | 30.80       |
| 1380.075        | -37.25                        | V                      | 134                 | 22              | -4.33                  | -41.58             | -20.00      | 21.58       |
| 1840.1          | -42.95                        | V                      | 100                 | 324             | -0.22                  | -43.17             | -20.00      | 23.17       |
| 2300.125        | -48.95                        | V                      | 106                 | 12              | -0.06                  | -49.01             | -20.00      | 29.01       |
| 2760.15         | -50.50                        | V                      | 113                 | 36              | 1.28                   | -49.22             | -20.00      | 29.22       |
| 3220.175        | -50.65                        | V                      | 100                 | 261             | 5.87                   | -44.78             | -20.00      | 24.78       |
| 3680.2          | -57.80                        | V                      | 122                 | 319             | 3.13                   | -54.67             | -20.00      | 34.67       |
| 4600.25         | -56.40                        | V                      | 127                 | 346             | 7.44                   | -48.96             | -20.00      | 28.96       |

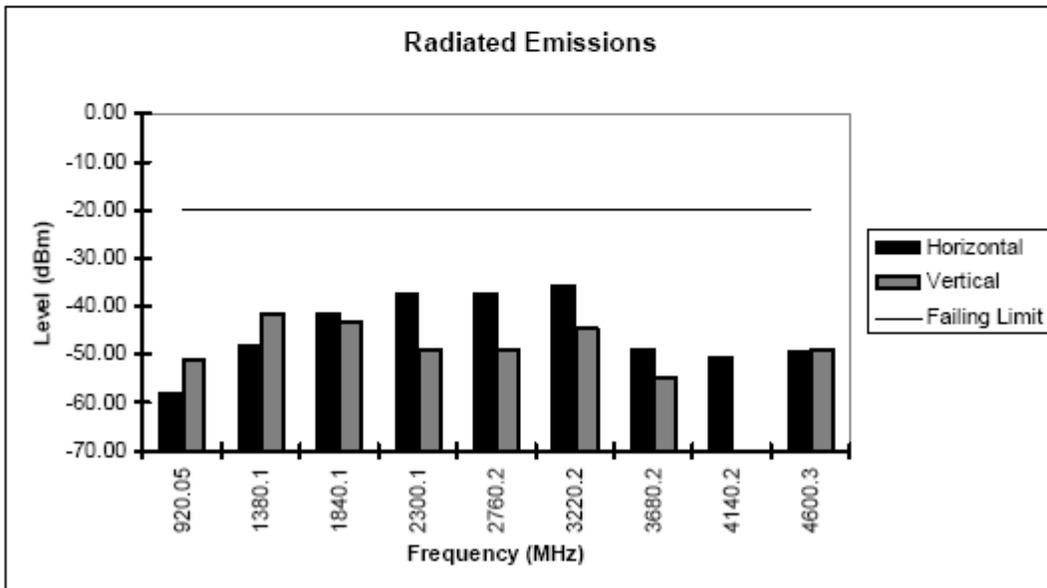


Figure 2: Radiated Emissions 460.025 MHz, 12.5 KHz

Figure 6G-2: 4 Watts, 465.025 MHz, 12.5 kHz Channel Spacing

Table 4: Radiated Emissions Results 469.975 MHz, 12.5 KHz

| Frequency (MHz) | Spectrum Analyzer Level (dBm) | Antenna Polarity (H/V) | Antenna Height (cm) | Angle (degrees) | Correction Factor (dB) | Spurious ERP (dBm) | Limit (dBm) | Margin (dB) |
|-----------------|-------------------------------|------------------------|---------------------|-----------------|------------------------|--------------------|-------------|-------------|
| 939.95          | -72.65                        | H                      | 296                 | 305             | 3.11                   | -69.54             | -20.00      | 49.54       |
| 1409.925        | -43.15                        | H                      | 277                 | 16              | -4.14                  | -47.29             | -20.00      | 27.29       |
| 1879.9          | -38.00                        | H                      | 173                 | 332             | -0.17                  | -38.17             | -20.00      | 18.17       |
| 2349.875        | -42.15                        | H                      | 165                 | 345             | 1.29                   | -40.86             | -20.00      | 20.86       |
| 2819.85         | -42.40                        | H                      | 158                 | 352             | 3.26                   | -39.14             | -20.00      | 19.14       |
| 3289.825        | -54.20                        | H                      | 178                 | 341             | 4.32                   | -49.88             | -20.00      | 29.88       |
| 3759.8          | -56.65                        | H                      | 168                 | 321             | 2.51                   | -54.14             | -20.00      | 34.14       |
| 4229.775        | -58.40                        | H                      | 146                 | 315             | 2.96                   | -55.44             | -20.00      | 35.44       |
| 4699.75         | -57.60                        | H                      | 160                 | 319             | 5.44                   | -52.16             | -20.00      | 32.16       |
| <hr/>           |                               |                        |                     |                 |                        |                    |             |             |
| 939.95          | -67.80                        | V                      | 121                 | 24              | 4.51                   | -63.29             | -20.00      | 43.29       |
| 1409.925        | -41.35                        | V                      | 100                 | 136             | -4.04                  | -45.39             | -20.00      | 25.39       |
| 1879.9          | -39.55                        | V                      | 100                 | 324             | 0.43                   | -39.12             | -20.00      | 19.12       |
| 2349.875        | -51.00                        | V                      | 100                 | 11              | 0.64                   | -50.36             | -20.00      | 30.36       |
| 2819.85         | -51.55                        | V                      | 112                 | 39              | 1.01                   | -50.54             | -20.00      | 30.54       |
| 3289.825        | -54.90                        | V                      | 140                 | 317             | 4.02                   | -50.88             | -20.00      | 30.88       |
| 3759.8          | -58.05                        | V                      | 120                 | 319             | 1.46                   | -56.59             | -20.00      | 36.59       |
| 4699.75         | -58.80                        | V                      | 123                 | 351             | 2.39                   | -56.41             | -20.00      | 36.41       |

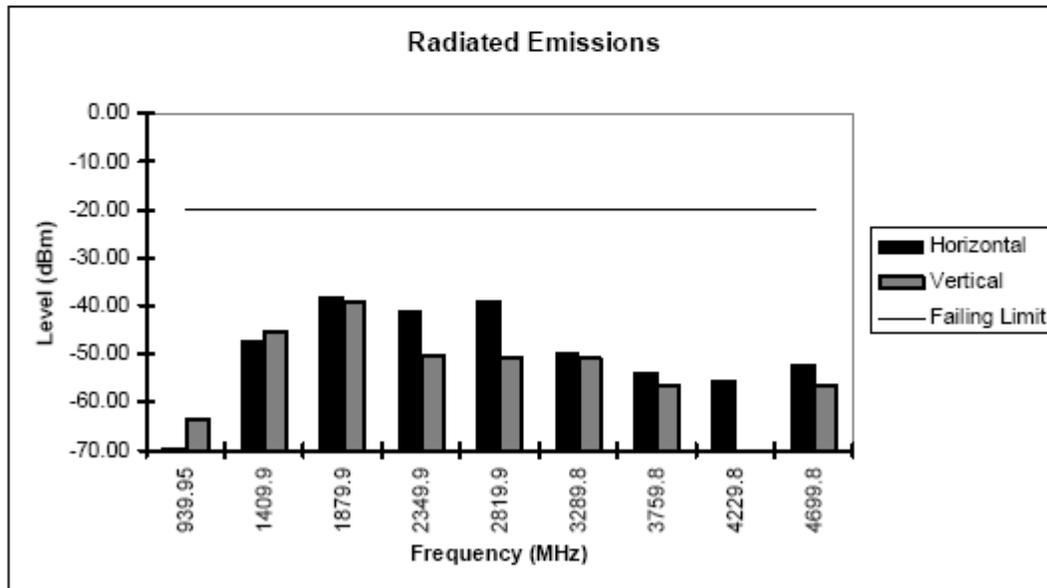


Figure 3: Radiated Emissions 469.975 MHz, 12.5 KHz

Figure 6G-3: 4 Watts, 469.975 MHz, 12.5 kHz Channel Spacing

**EXHIBIT 6I**  
**Transient Frequency Behavior- FCC Rules Part 90.214 and 90.215**

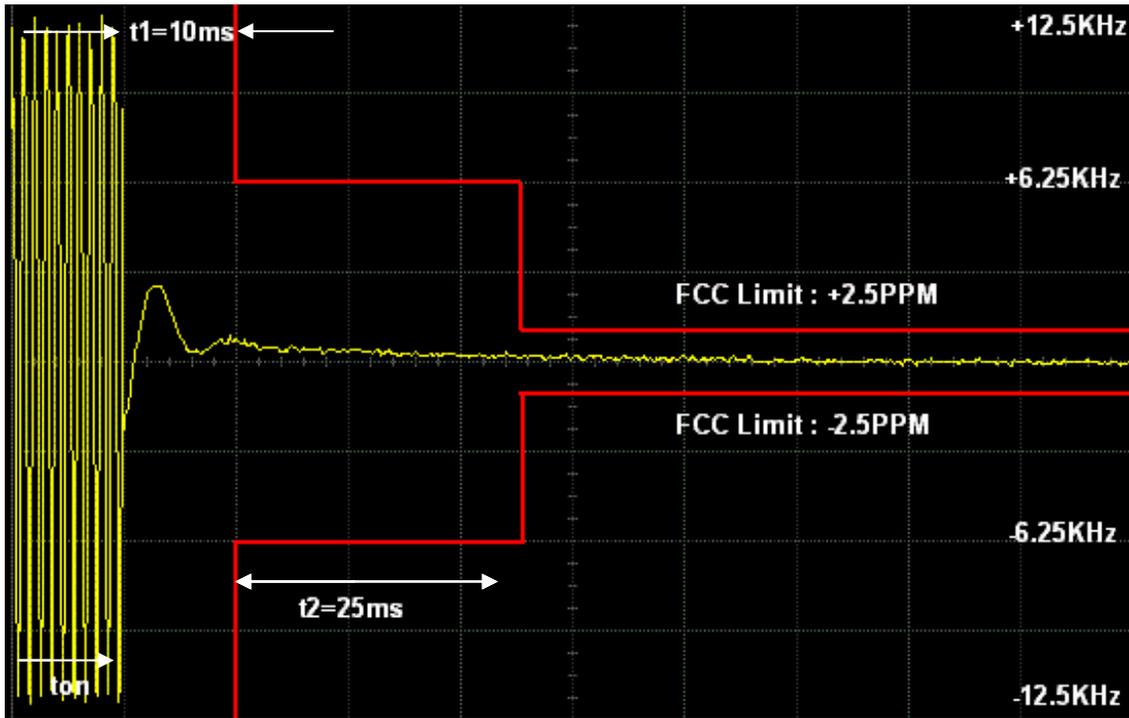


Figure I-1: 4 Watts, 12.5 KHz, 460.025 MHz, Key-Up Attack Time

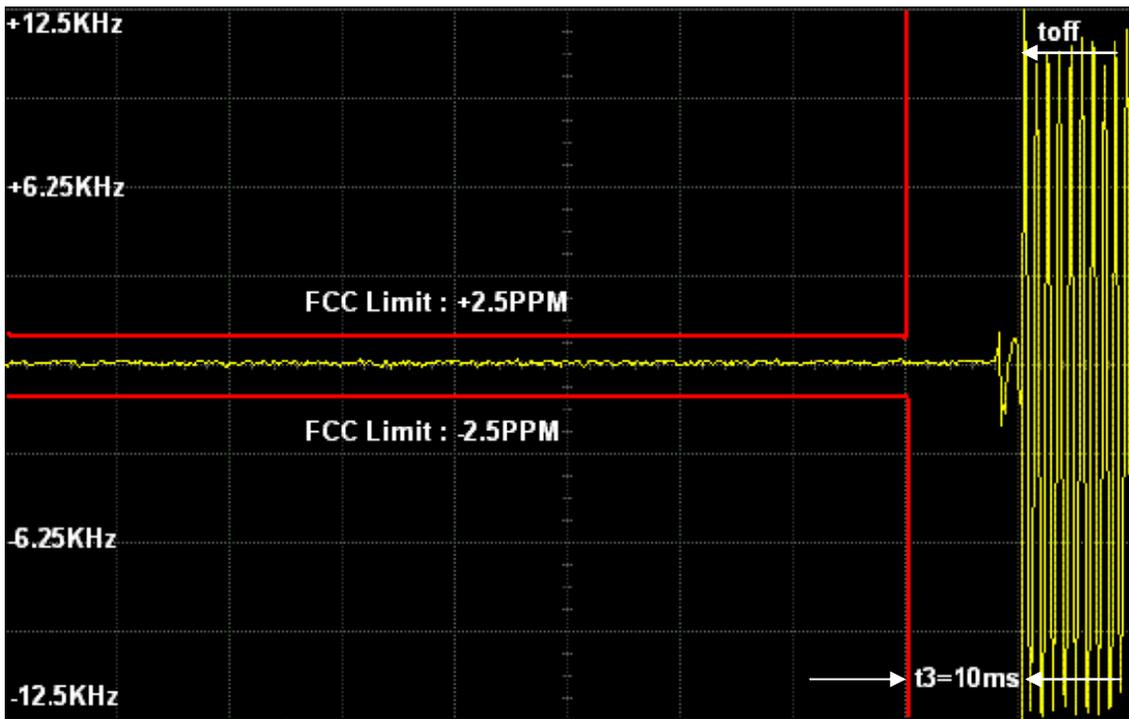


Figure I-2: 4 Watts, 12.5 KHz, 460.025 MHz, De-Key Decay Time

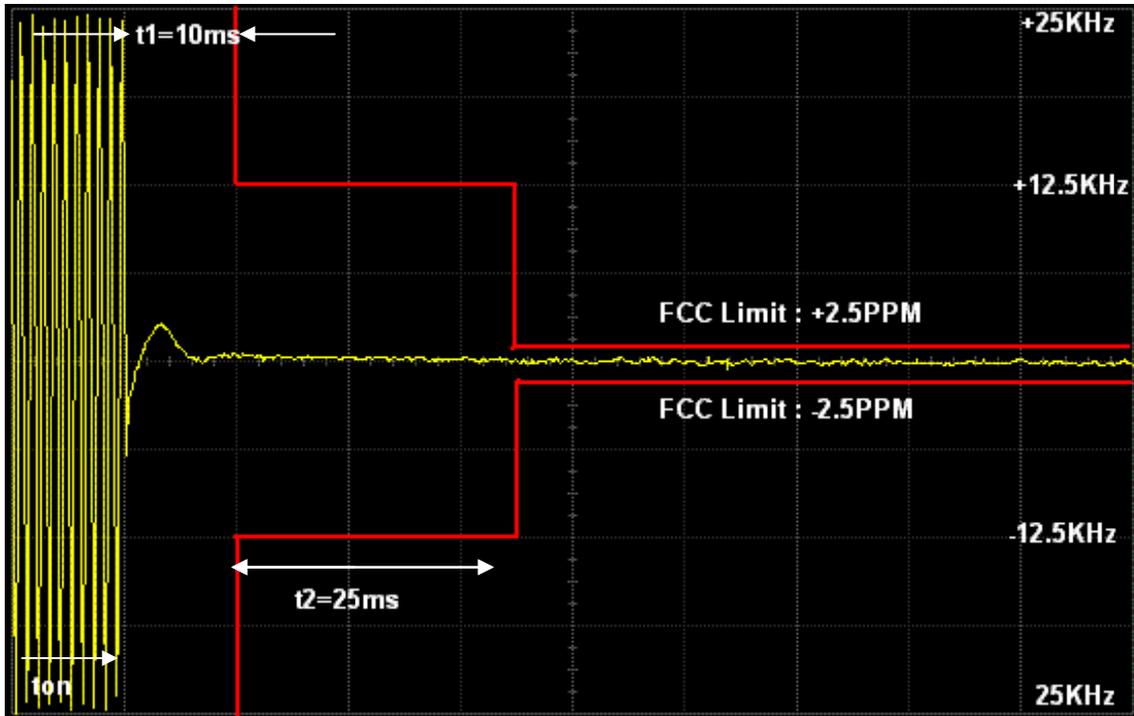


Figure I-3: 4 Watts, 25 KHz, 460.025 MHz, Key-Up Attack Time

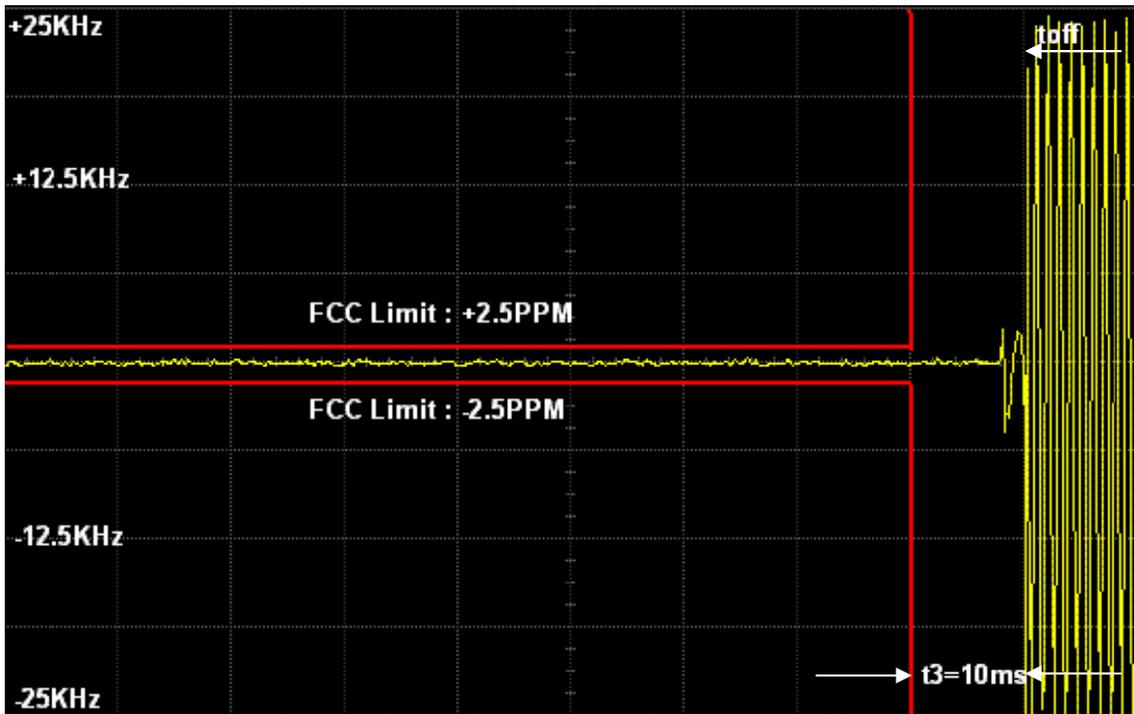


Figure I-4: 4 Watts, 25 KHz, 460.025 MHz, De-Key Decay Time