

## EXHIBIT 6

### INDEX OF SUBMITTED MEASURED DATA

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

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

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6C-2 –25 kHz Channel Spacing

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6I-1 – 5 Watts, 12.5 kHz Key-Up Attack Time

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**\*\* 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 (Q101).

**At maximum output power setting, Frequency 150.025 MHz:**

Output RF power	4.72 Watts
DC Voltage	7.50 Volts
DC Current	1.08 Amps
DC Input Power	8.10 Watts

**At minimum output power setting, Frequency 150.025 MHz:**

Output RF power	1.09 Watts
DC Voltage	7.50 Volts
DC Current	0.59 Amps
DC Input Power	4.425 Watts

**At maximum output power setting, Frequency 162.025 MHz:**

Output RF power	5.22 Watts
DC Voltage	7.50 Volts
DC Current	1.11 Amps
DC Input Power	8.325 Watts

**At minimum output power setting, Frequency 162.025 MHz:**

Output RF power	1.21 Watts
DC Voltage	7.50 Volts
DC Current	0.60 Amps
DC Input Power	4.50 Watts

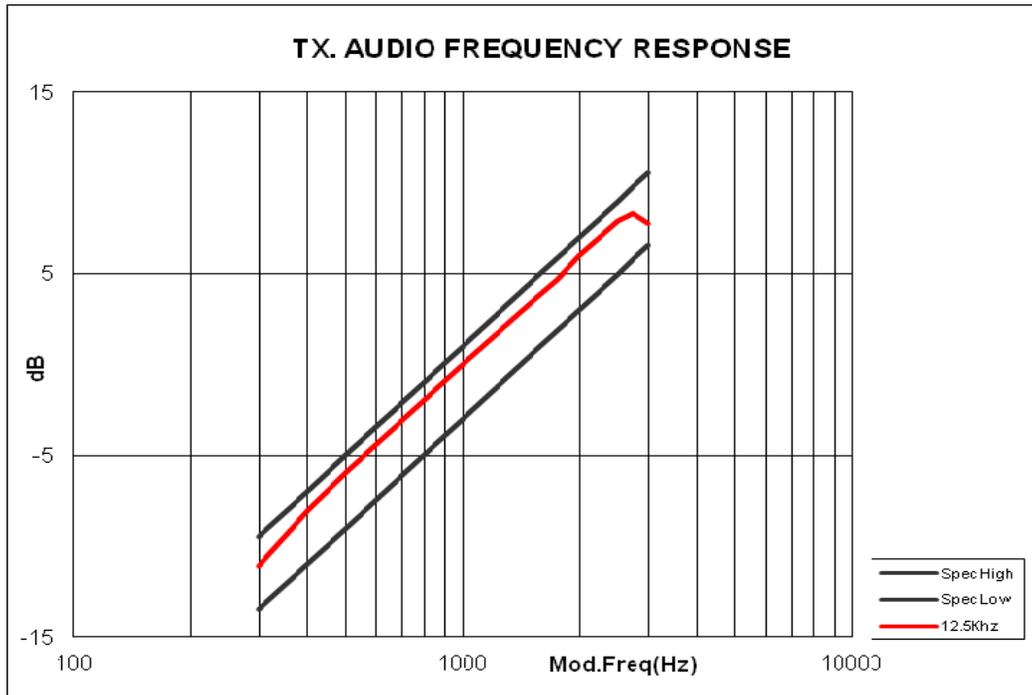
**At maximum output power setting, Frequency 173.975 MHz:**

Output RF power	4.93 Watts
DC Voltage	7.50 Volts
DC Current	1.12 Amps
DC Input Power	8.40 Watts

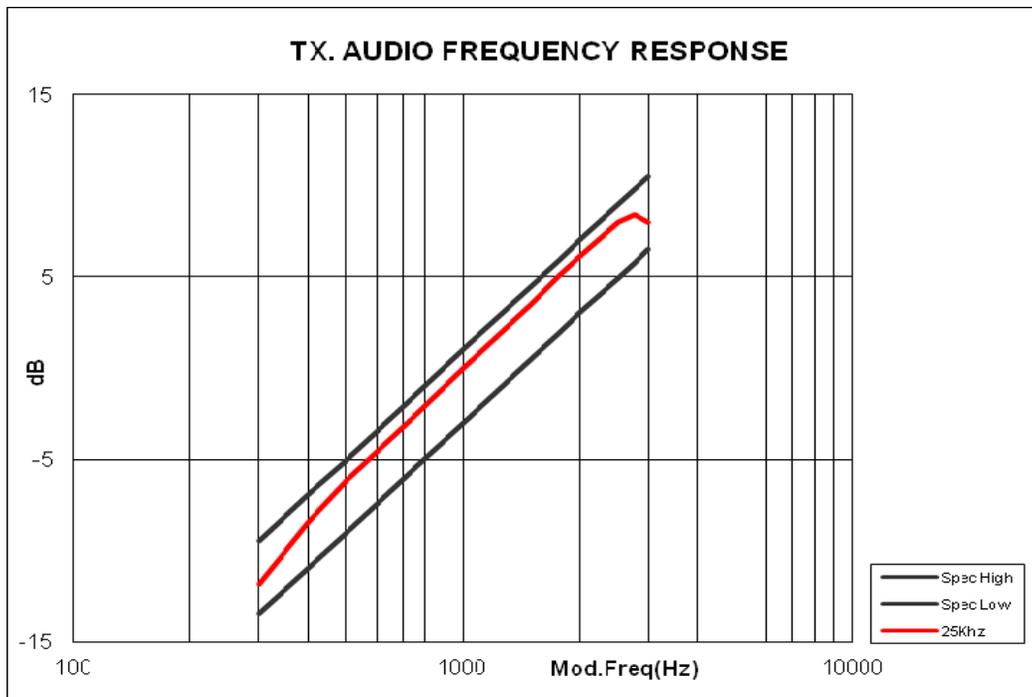
**At minimum output power setting, Frequency 173.975 MHz:**

Output RF power	1.01 Watts
DC Voltage	7.50 Volts
DC Current	0.60 Amps
DC Input Power	4.50 Watts

**EXHIBIT 6B**  
**Transmit Audio Frequency Response - Pursuant 47 CFR 2.1047(a)**

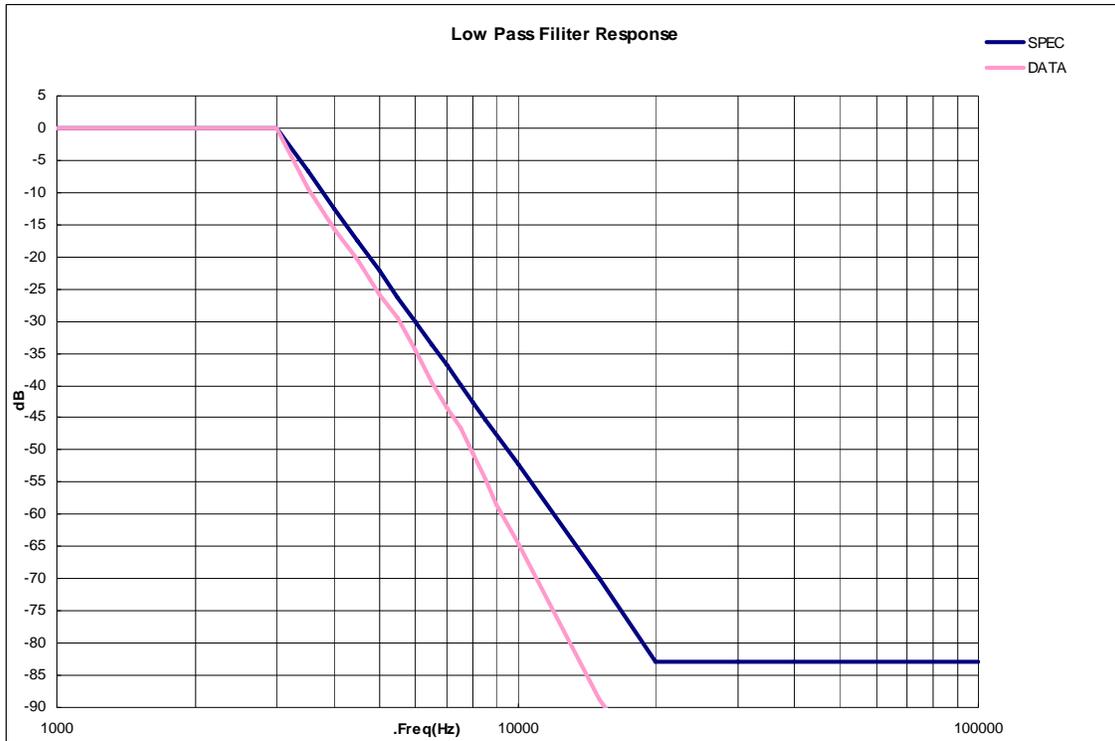


**Figure 6B-1:** 12.5 kHz Channel Spacing, 162.025 MHz, Transmit Audio Frequency Response

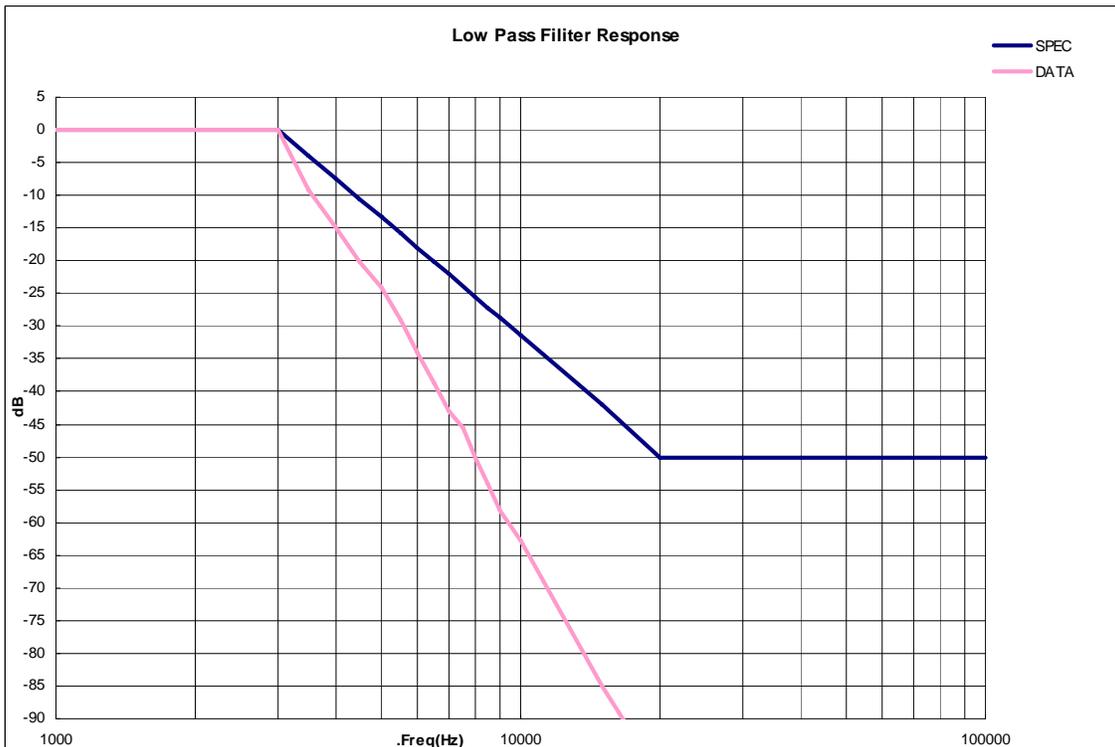


**Figure 6B-2:** 25 kHz Channel Spacing, 162.025 MHz, Transmit Audio Frequency Response

**EXHIBIT 6C**  
**Transmit Audio Post Limiter Lowpass Filter Response - Pursuant 47 CFR 2.1047 (a)**



**Figure 6C-1:** 12.5 kHz Channel Spacing, 162.025 MHz, Transmit Audio Low Pass Filter Response

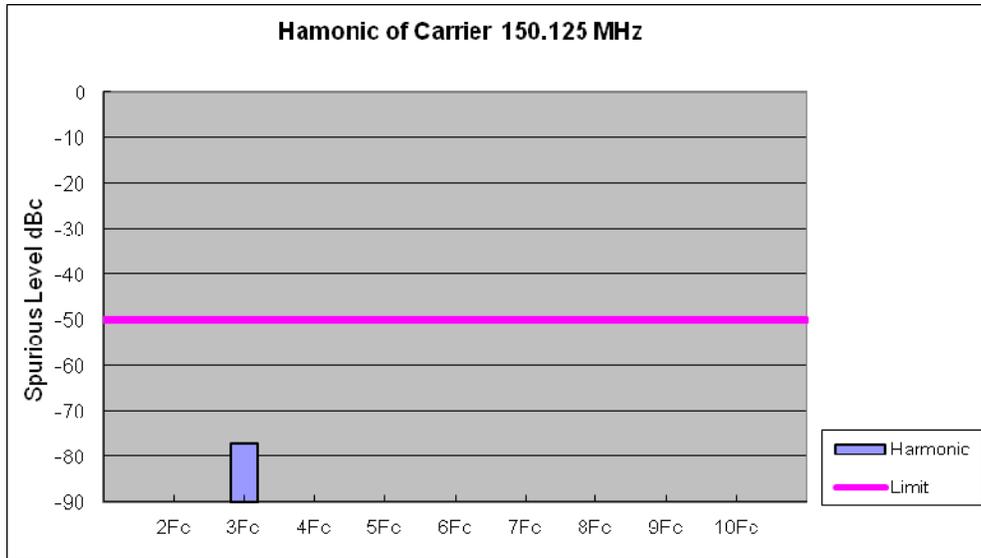


**Figure 6C-2:** 25 kHz Channel Spacing, 162.025 MHz, Transmit Audio Low Pass Filter Response

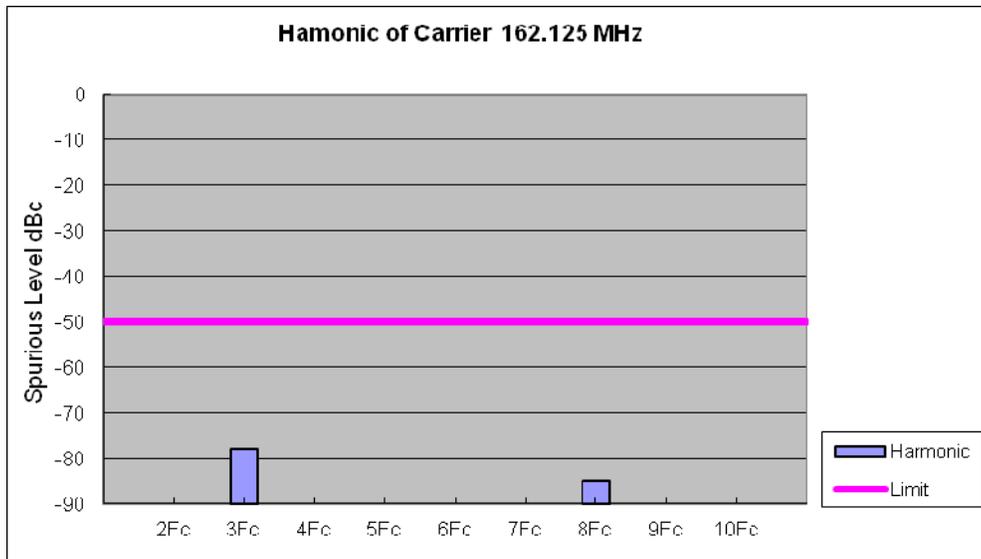
**EXHIBIT 6F**

**Conducted Spurious Emissions - Pursuant 47 CFR 2.1051 and 2.1057**

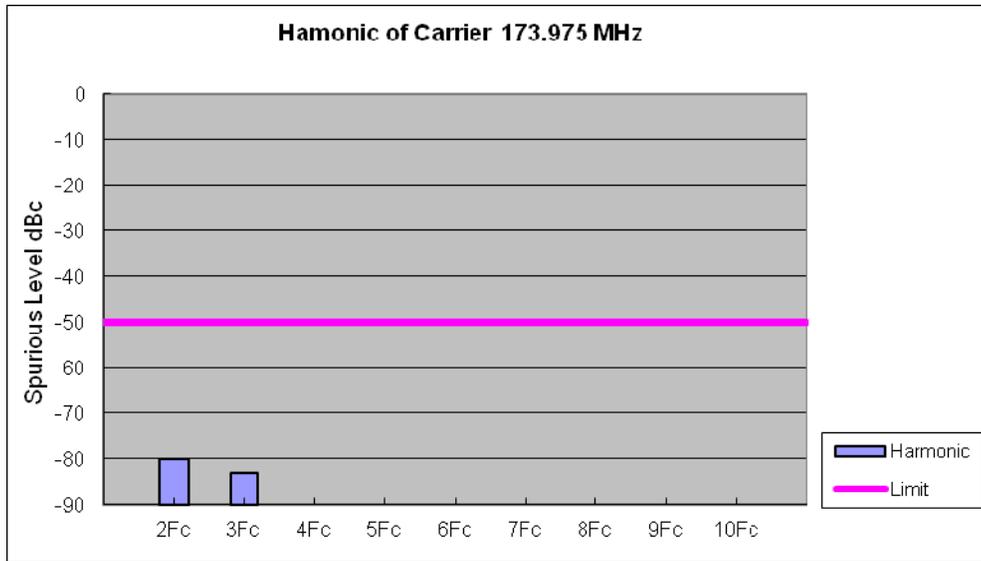
Note: Red lines on graphs correspond to the FCC limit of -20dBm for 12.5 kHz channel spacing



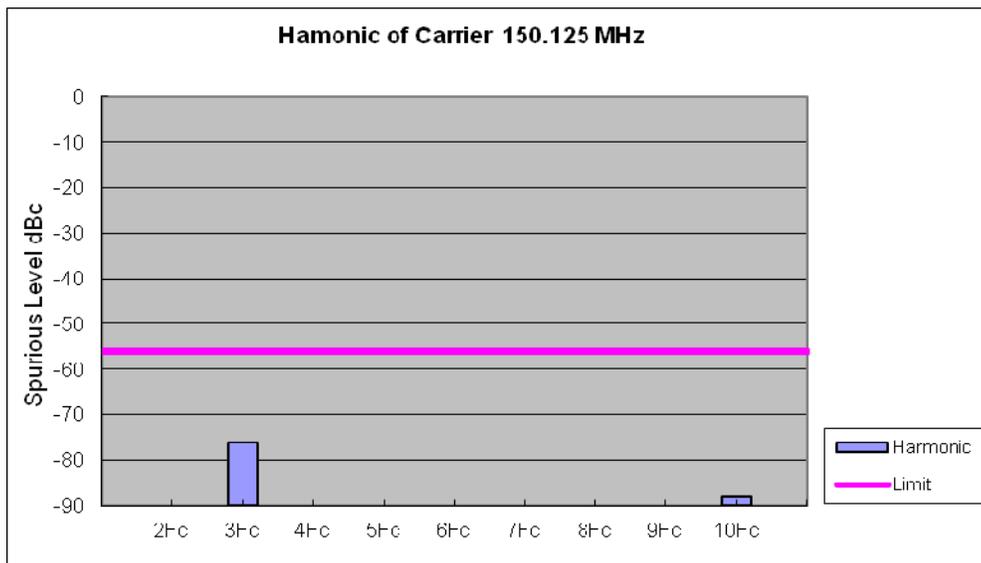
**Table 6F-1:** 1 Watt Harmonic of Carrier 150.025 MHz, 12.5 kHz Channel Spacing



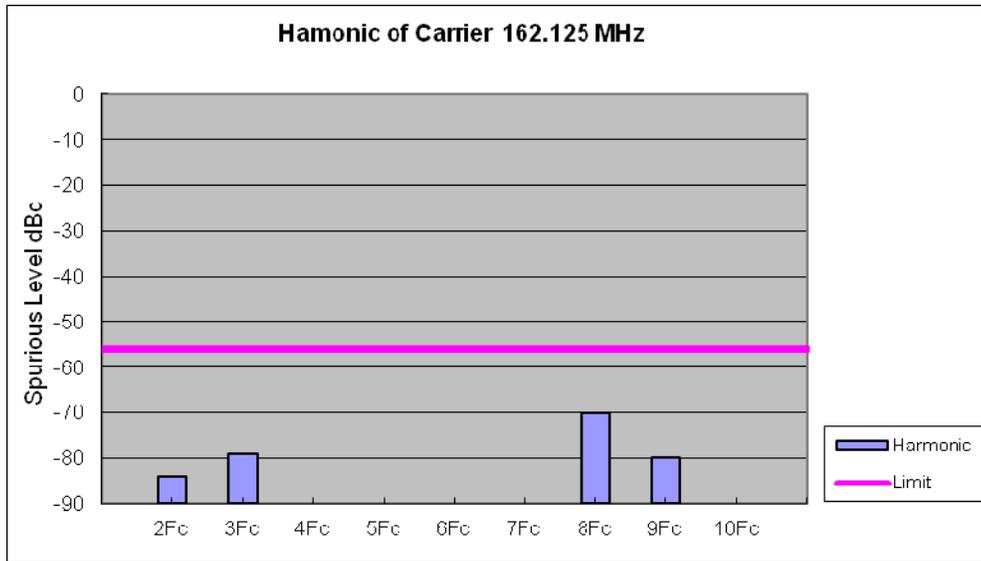
**Table 6F-2:** 1 Watt Harmonic of Carrier 162.025 MHz, 12.5 kHz Channel Spacing



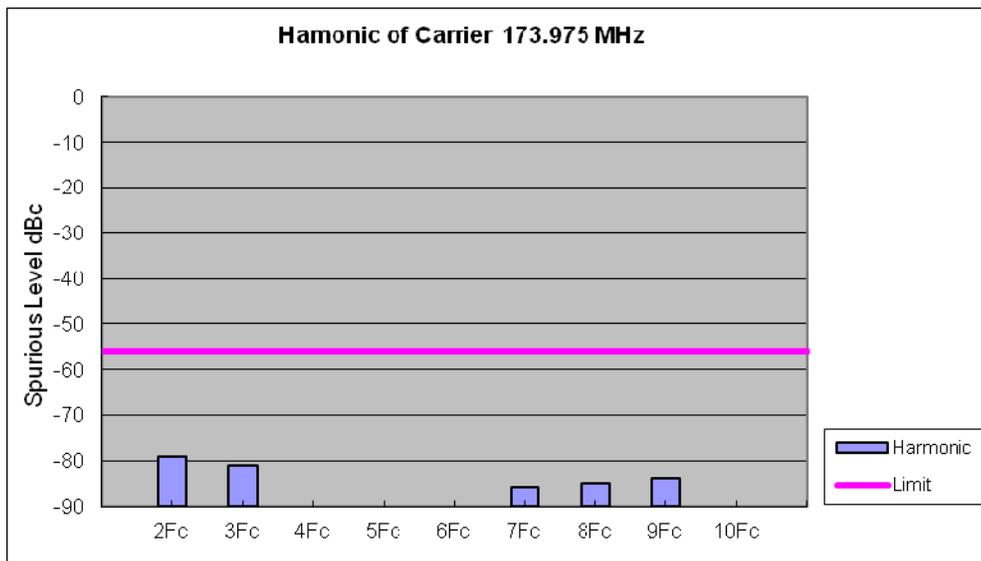
**Table 6F-3:** 1 Watt Harmonic of Carrier 173.975 MHz, 12.5 kHz Channel Spacing



**Table 6F-4:** 5 Watt Harmonic of Carrier 150.025 MHz, 12.5 kHz Channel Spacing



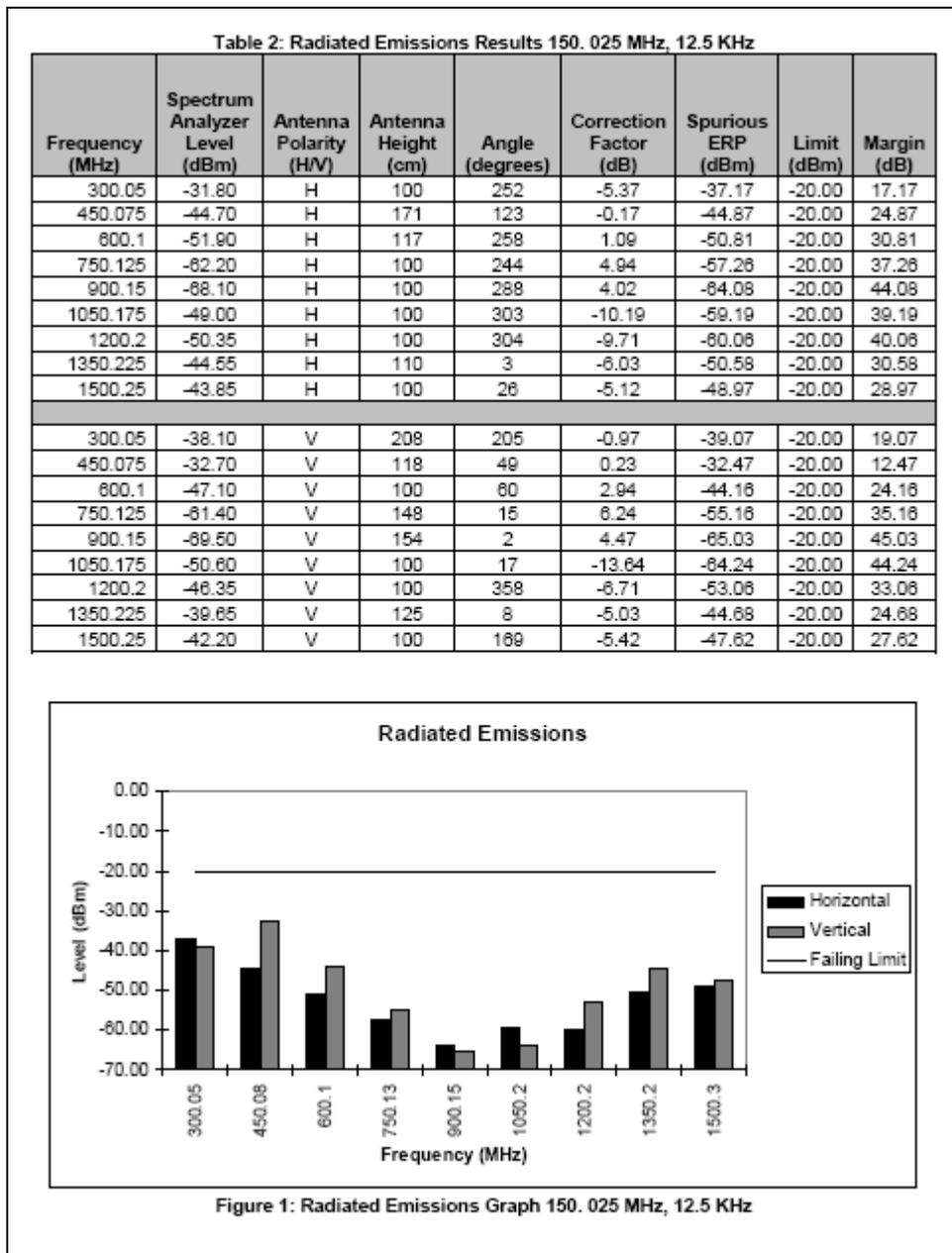
**Table 6F-5:** 5 Watt Harmonic of Carrier 162.025 MHz, 12.5 kHz Channel Spacing



**Table 6F-6:** 5 Watt Harmonic of Carrier 173.975 MHz, 12.5 kHz Channel Spacing

**EXHIBIT 6G**

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



**Figure 6G-1: 5 Watts, 150.025 MHz, 12.5 kHz Channel Spacing**

Table 3: Radiated Emissions Results 162.025 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)
324.05	-37.70	H	100	107	-4.97	-42.67	-20.00	22.67
498.075	-42.20	H	297	307	-0.65	-42.85	-20.00	22.85
648.1	-50.70	H	100	250	0.94	-49.76	-20.00	29.76
810.125	-55.70	H	100	242	5.00	-50.70	-20.00	30.70
972.15	-66.10	H	210	290	5.05	-61.05	-20.00	41.05
1134.175	-44.00	H	100	308	-6.18	-50.18	-20.00	30.18
1296.2	-36.75	H	132	305	-5.01	-41.76	-20.00	21.76
1458.225	-26.85	H	100	348	-3.99	-30.84	-20.00	10.84
1620.25	-37.45	H	251	331	-2.78	-40.23	-20.00	20.23
324.05	-35.70	V	161	355	-1.87	-37.57	-20.00	17.57
498.075	-28.00	V	100	47	-0.50	-28.50	-20.00	8.50
648.1	-41.10	V	100	358	4.49	-36.61	-20.00	16.61
810.125	-55.80	V	187	304	6.50	-49.30	-20.00	29.30
972.15	-68.30	V	100	17	5.35	-62.95	-20.00	42.95
1134.175	-40.00	V	100	351	-6.83	-46.83	-20.00	26.83
1296.2	-27.30	V	130	349	-3.71	-31.01	-20.00	11.01
1458.225	-19.55	V	123	2	-3.24	-22.79	-20.00	2.79
1620.25	-29.10	V	104	358	-3.43	-32.53	-20.00	12.53

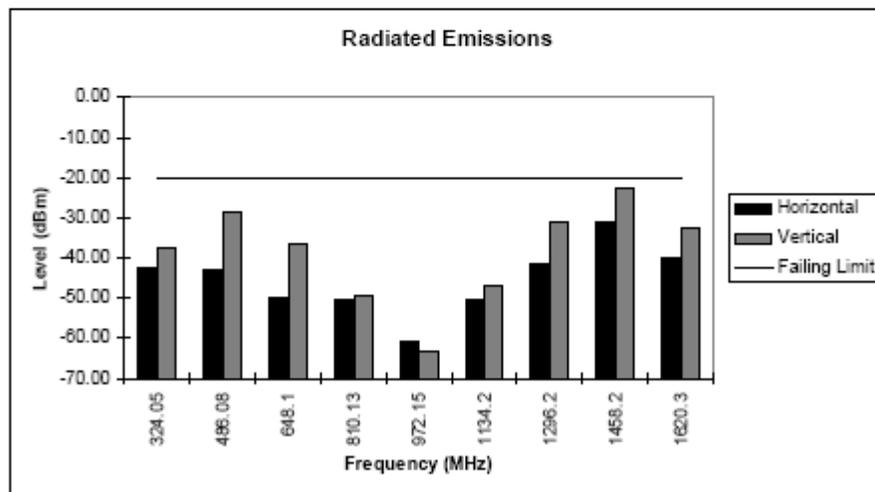


Figure 2: Radiated Emissions Graph 162.025 MHz, 12.5 KHz

Figure 6G-2: 5 Watts, 162.025 MHz, 12.5 kHz Channel Spacing

Table 4: Radiated Emissions Results 173.975 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)
347.95	-42.30	H	100	131	-3.03	-45.33	-20.00	25.33
521.925	-45.10	H	123	131	-0.64	-45.74	-20.00	25.74
695.9	-53.30	H	113	59	3.21	-50.09	-20.00	30.09
869.875	-54.80	H	243	284	6.68	-48.12	-20.00	28.12
1043.85	-42.25	H	100	298	-6.59	-48.84	-20.00	28.84
1217.825	-45.45	H	100	297	-6.91	-52.36	-20.00	32.36
1391.8	-42.85	H	104	347	-4.73	-47.58	-20.00	27.58
1565.775	-34.35	H	100	358	-3.12	-37.47	-20.00	17.47
1739.75	-51.00	H	221	335	-4.07	-55.07	-20.00	35.07
347.95	-34.60	V	159	31	-1.53	-36.13	-20.00	16.13
521.925	-29.30	V	100	55	-0.04	-29.34	-20.00	9.34
695.9	-47.50	V	100	26	5.01	-42.49	-20.00	22.49
869.875	-55.10	V	144	3	7.58	-47.52	-20.00	27.52
1043.85	-43.15	V	100	15	-8.64	-51.79	-20.00	31.79
1217.825	-39.65	V	100	21	-6.06	-45.71	-20.00	25.71
1391.8	-37.15	V	129	27	-2.93	-40.08	-20.00	20.08
1565.775	-23.25	V	109	358	-3.27	-26.52	-20.00	6.52
1739.75	-44.30	V	100	12	-2.02	-46.32	-20.00	26.32

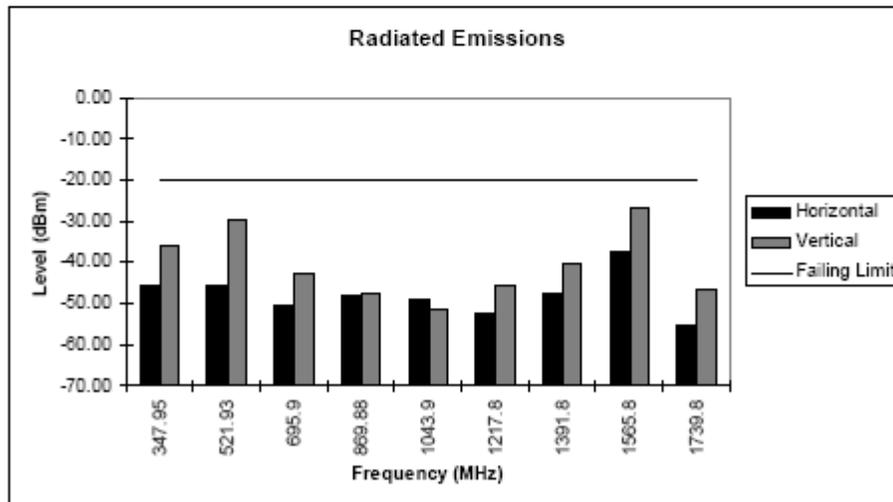


Figure 3: Radiated Emissions Graph 173.975 MHz, 12.5 KHz

Figure 6G-3: 5 Watts, 173.975 MHz, 12.5 kHz Channel Spacing

**EXHIBIT 6I**  
**Transient Frequency Behavior (FCC Rules Part 90.214)**

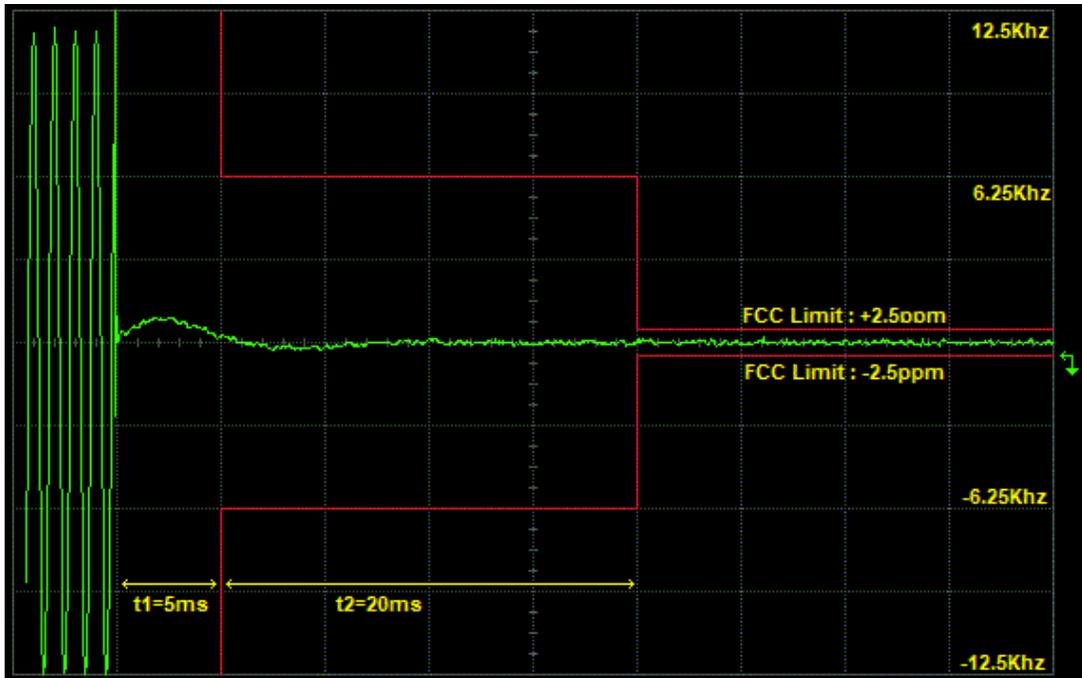


Figure 6I-1: 5 Watts, 12.5 kHz Key-Up Attack Time

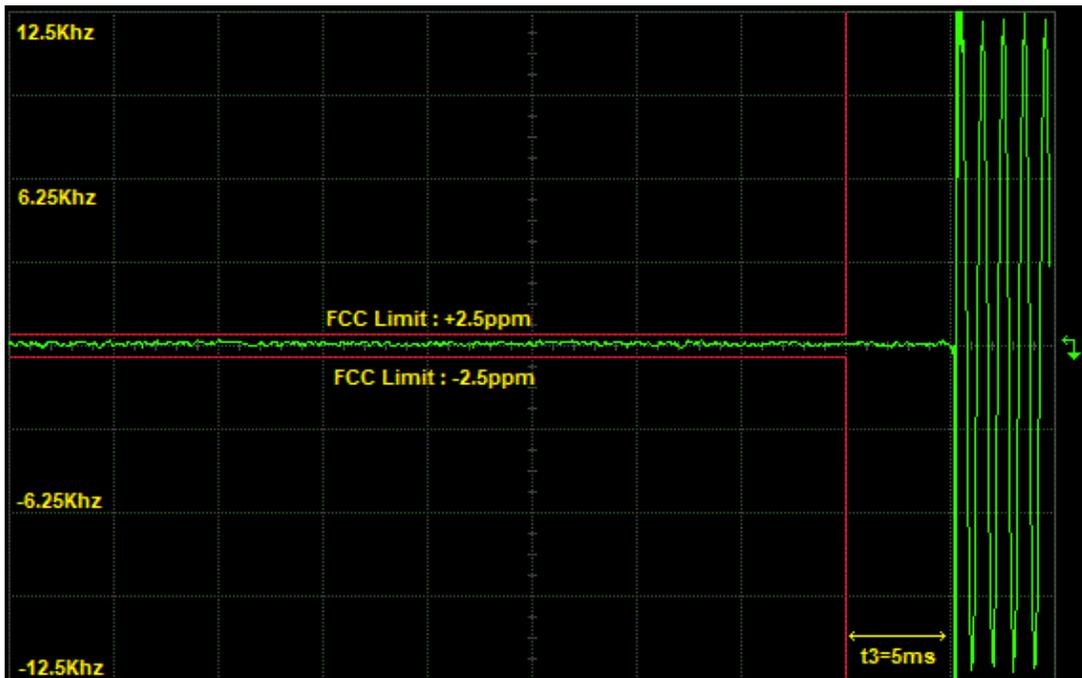


Figure 6I-2: 5 Watts, 12.5 kHz De-Key Decay Time

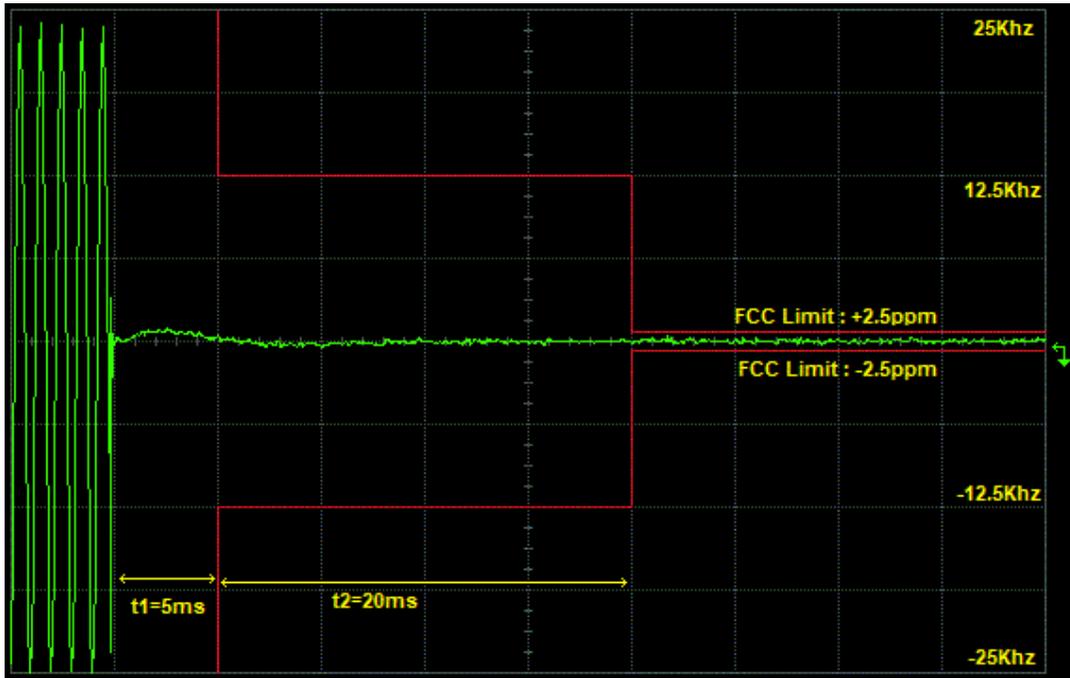


Figure 6I-3: 5 Watts, 25 kHz Key-Up Attack Time

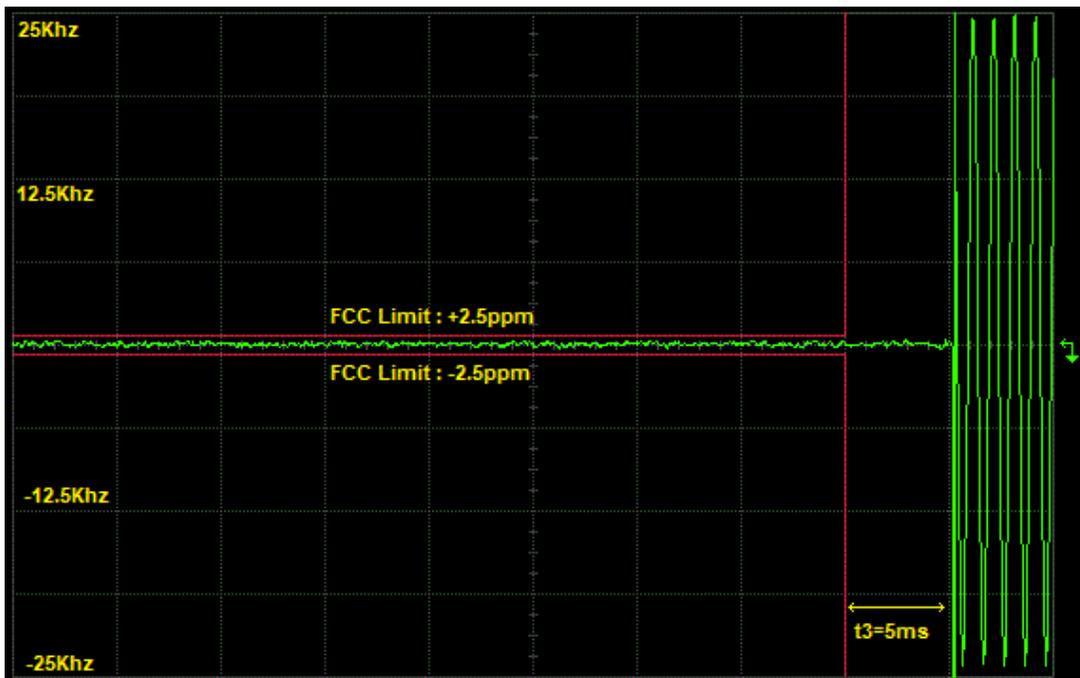


Figure 6I-4: 5 Watts, 25 kHz De-Key Decay Time