

## EXHIBIT 6

### INDEX OF SUBMITTED MEASURED DATA

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

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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 outlines 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 136.025 MHz:

Output RF Power:	4.96 Watts
DC Voltage:	7.5 Volts
DC Current:	1.10 A
DC Input Power:	8.25 Watts

At minimum output power setting, Frequency 136.025 MHz:

Output RF Power:	1.08 Watts
DC Voltage:	7.5 Volts
DC Current:	0.60 A
DC Input Power:	4.50 Watts

At maximum output power setting, Frequency 143.025 MHz:

Output RF Power:	5.11 Watts
DC Voltage:	7.5 Volts
DC Current:	1.11 A
DC Input Power:	8.325 Watts

At minimum output power setting, Frequency 143.025 MHz:

Output RF Power:	1.07 Watts
DC Voltage:	7.5 Volts
DC Current:	0.60 A
DC Input Power:	4.50 Watts

At maximum output power setting, Frequency 149.975 MHz:

Output RF Power:	4.93 Watts
DC Voltage:	7.5 Volts
DC Current:	1.12 A
DC Input Power:	8.40 Watts

At minimum output power setting, Frequency 149.975 MHz:

Output RF Power:	1.11 Watts
DC Voltage:	7.5 Volts
DC Current:	0.60 A
DC Input Power:	4.50 Watts

**EXHIBIT 6B**

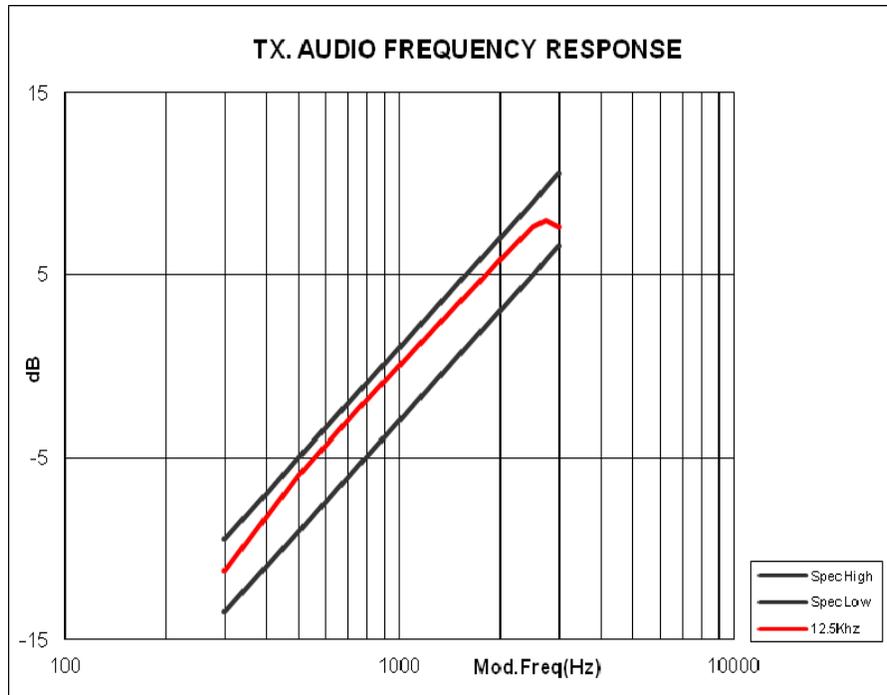


Figure 6B-1: 12.5 kHz Channel Spacing, 143.025 MHz, Transmit Audio Frequency Response

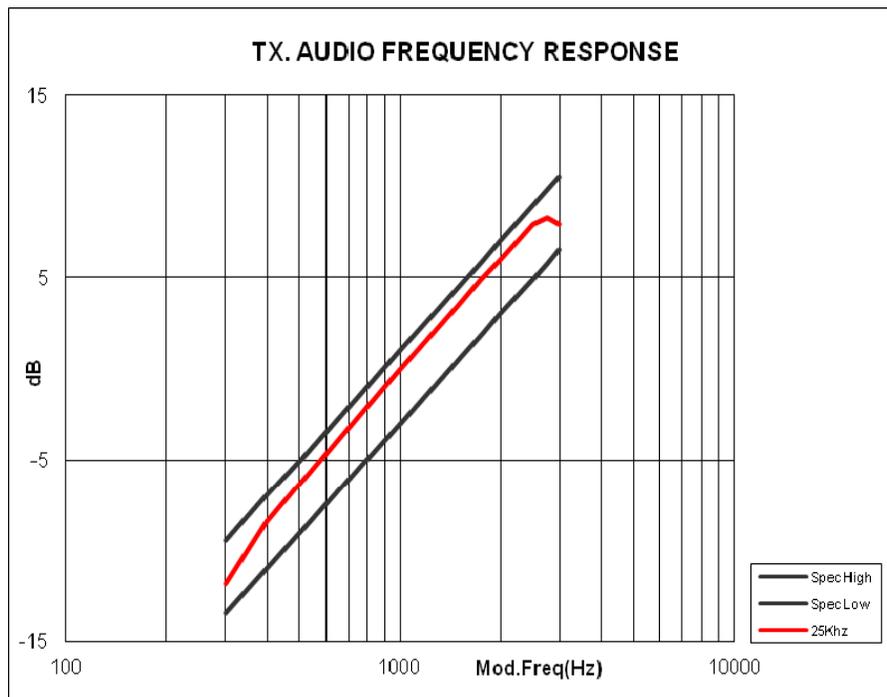
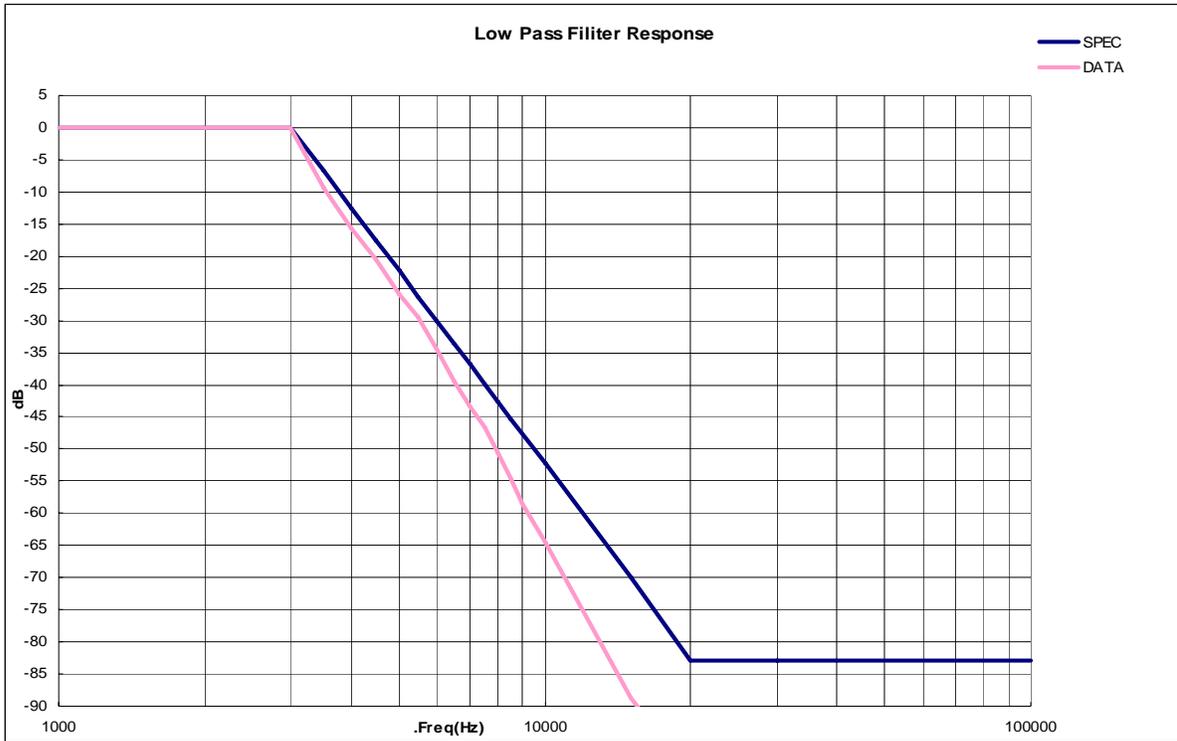


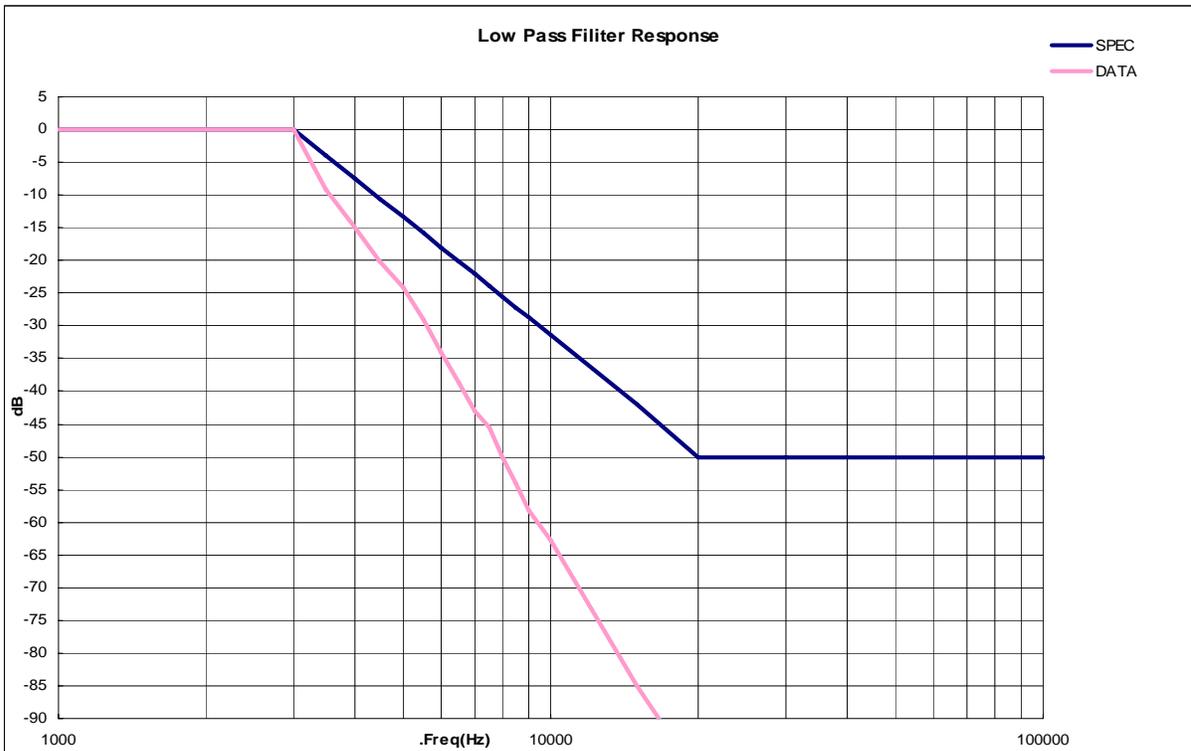
Figure 6B-2: 25 kHz Channel Spacing, 143.025 MHz, Transmit Audio Frequency Response

**EXHIBIT 6C**

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



**Figure 6C-1:** 12.5 kHz Channel Spacing, 143.025 MHz, Transmit Audio Lowpass Filter Response

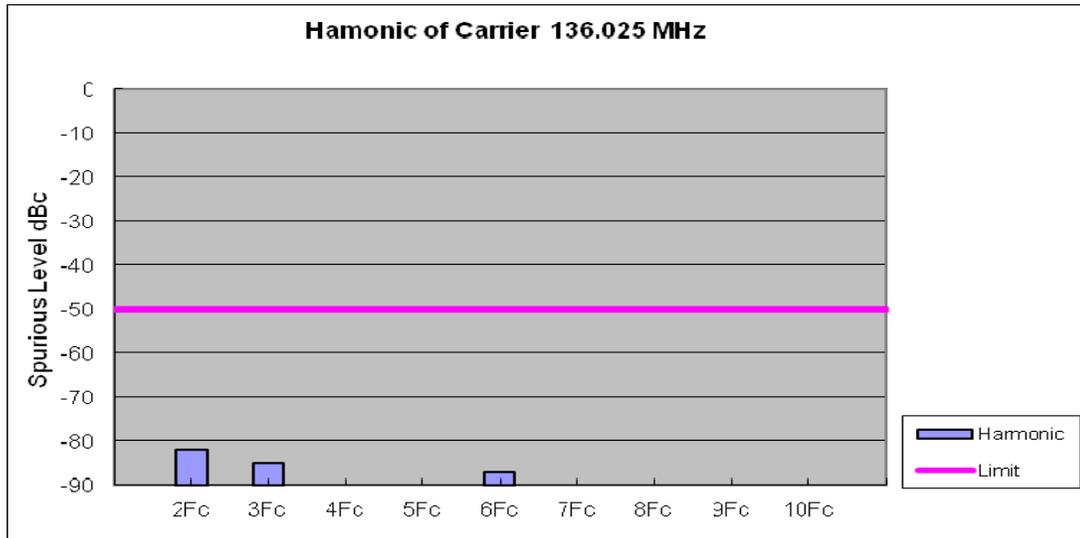


**Figure 6C-2:** 25 kHz Channel Spacing, 143.025 MHz, Transmit Audio Lowpass Filter Response

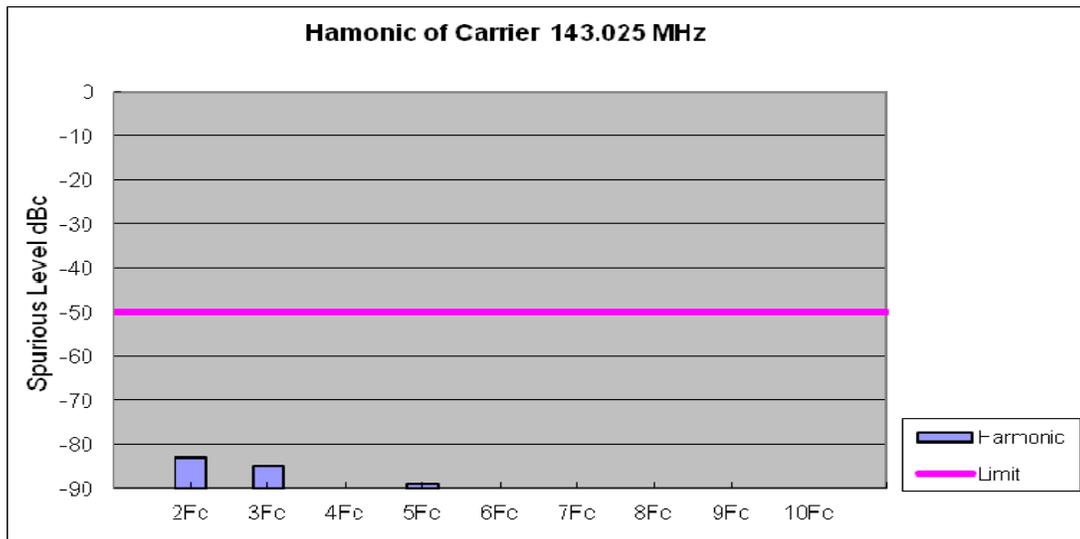
**EXHIBIT 6F**

**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



**Figure 6F-1:** 1 Watt Harmonic of Carrier 136.025 MHz, 12.5 kHz Channel Spacing



**Figure 6F-2:** 1 Watt Harmonic of Carrier 143.025 MHz, 12.5 kHz Channel Spacing

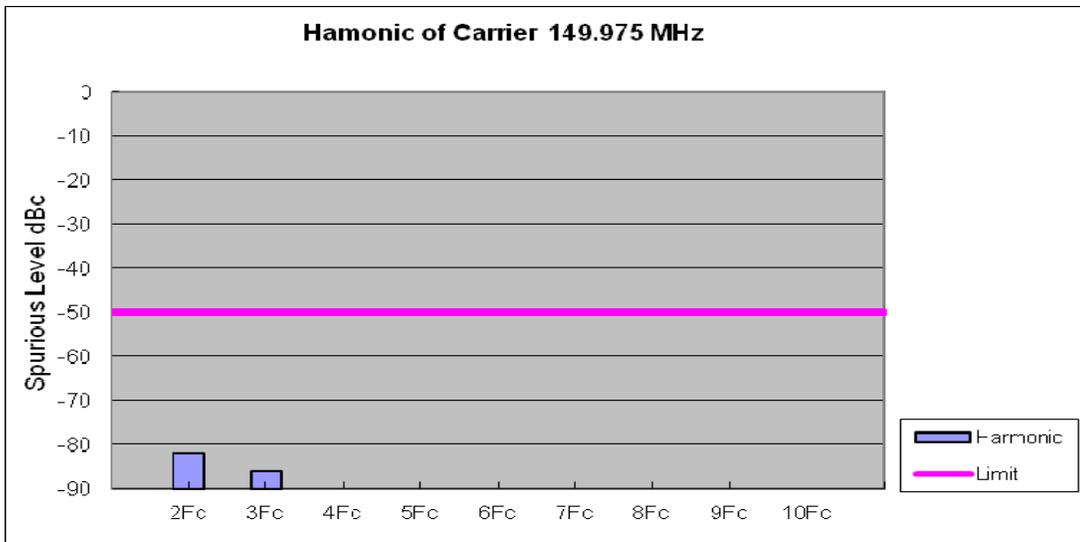


Figure 6F-3: 1 Watt Harmonic of Carrier 149.975 MHz, 12.5 kHz Channel Spacing

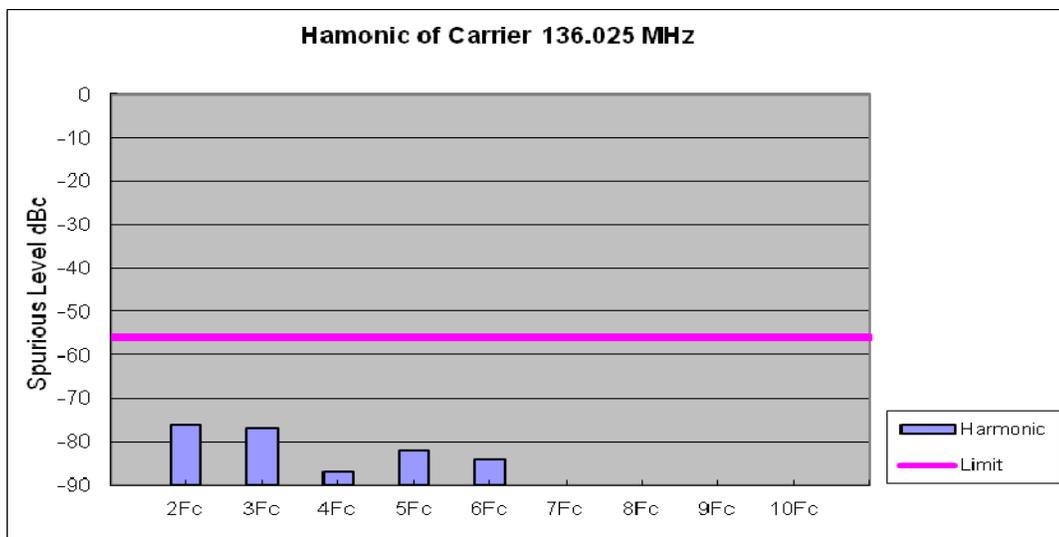
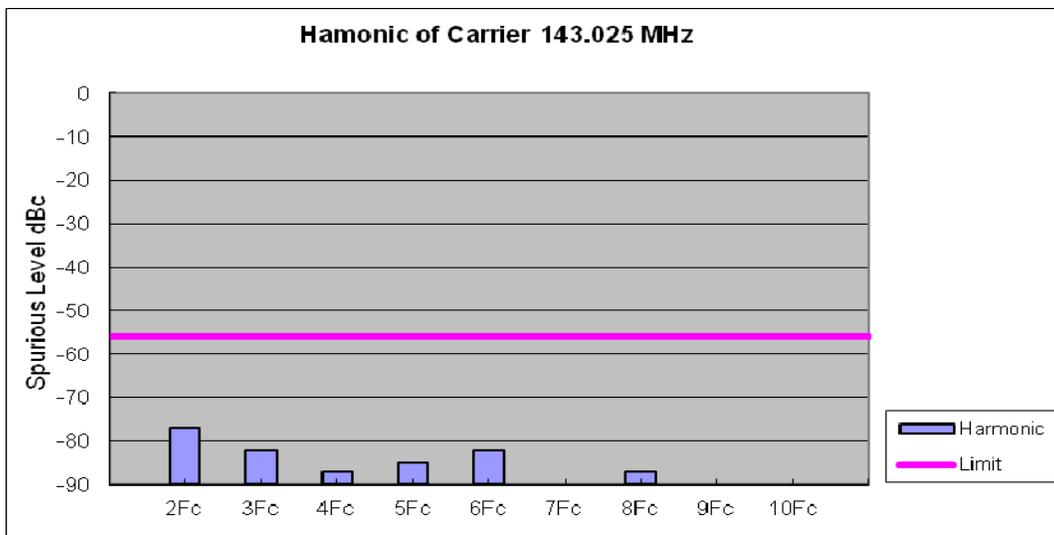
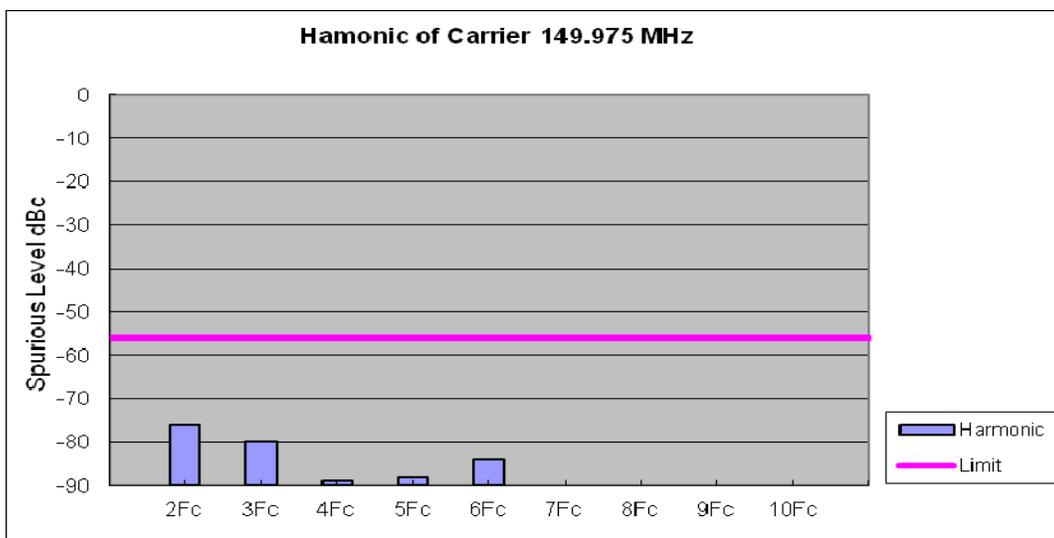


Figure 6F-4: 5 Watt Harmonic of Carrier 136.025 MHz, 12.5 kHz Channel Spacing



**Figure 6F-5:** 5 Watt Harmonic of Carrier 143.025 MHz, 12.5 kHz Channel Spacing



**Figure 6F-6:** 5 Watt Harmonic of Carrier 149.975 MHz, 12.5 kHz Channel Spacing

**EXHIBIT 6G**  
**Transmitter Radiated Spurious Emissions - Pursuant 47 CFR 2.1053 and 2.1057**

Table 2: Radiated Emissions Results 136.025 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)
272.05	-37.20	H	100	249	-6.82	-44.02	-20.00	24.02
408.075	-47.45	H	195	272	0.54	-46.91	-20.00	26.91
544.1	-50.95	H	201	79	0.57	-50.38	-20.00	30.38
680.125	-48.35	H	121	308	1.74	-46.61	-20.00	26.61
816.15	-58.10	H	100	304	5.50	-52.60	-20.00	32.60
952.175	-54.30	H	176	292	6.58	-47.72	-20.00	27.72
1088.2	-41.75	H	100	282	-7.09	-48.84	-20.00	28.84
1224.225	-37.25	H	109	339	-5.91	-43.16	-20.00	23.16
1360.25	-43.80	H	100	3	-6.38	-50.18	-20.00	30.18
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272.05	-39.95	V	184	52	-2.62	-42.57	-20.00	22.57
408.075	-43.40	V	128	48	0.44	-42.96	-20.00	22.96
544.1	-38.20	V	100	3	0.87	-37.33	-20.00	17.33
680.125	-38.65	V	100	332	4.54	-34.11	-20.00	14.11
816.15	-48.45	V	125	358	6.90	-41.55	-20.00	21.55
952.175	-50.45	V	107	42	8.13	-42.32	-20.00	22.32
1088.2	-36.90	V	100	358	-7.44	-44.34	-20.00	24.34
1224.225	-33.60	V	100	24	-5.01	-38.61	-20.00	18.61
1360.25	-38.20	V	129	11	-5.33	-43.53	-20.00	23.53

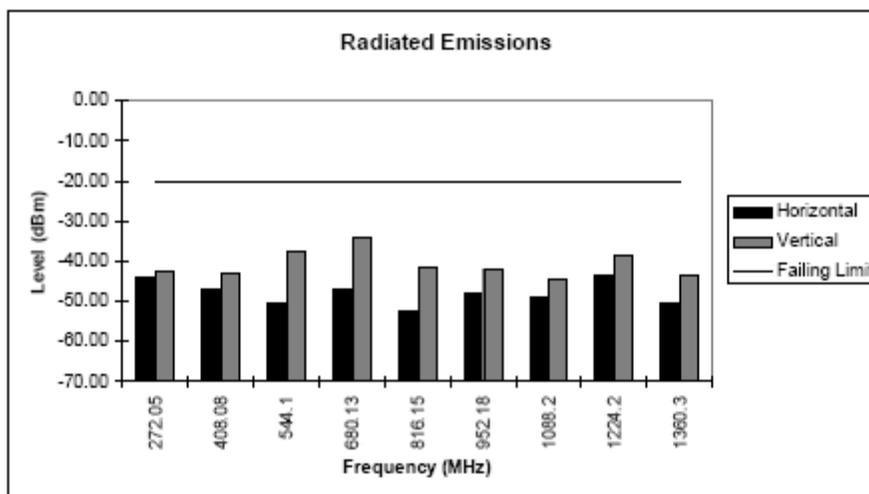
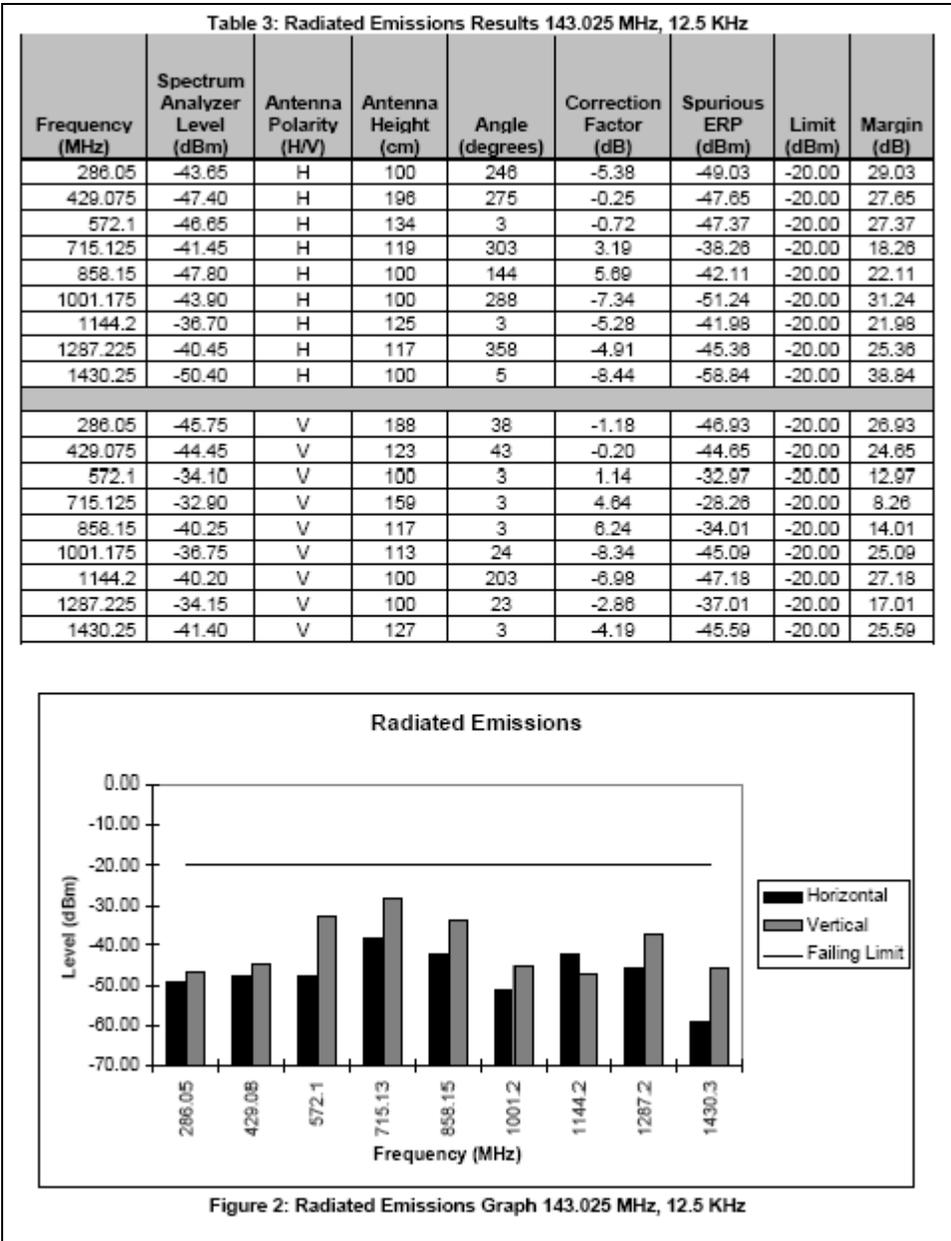
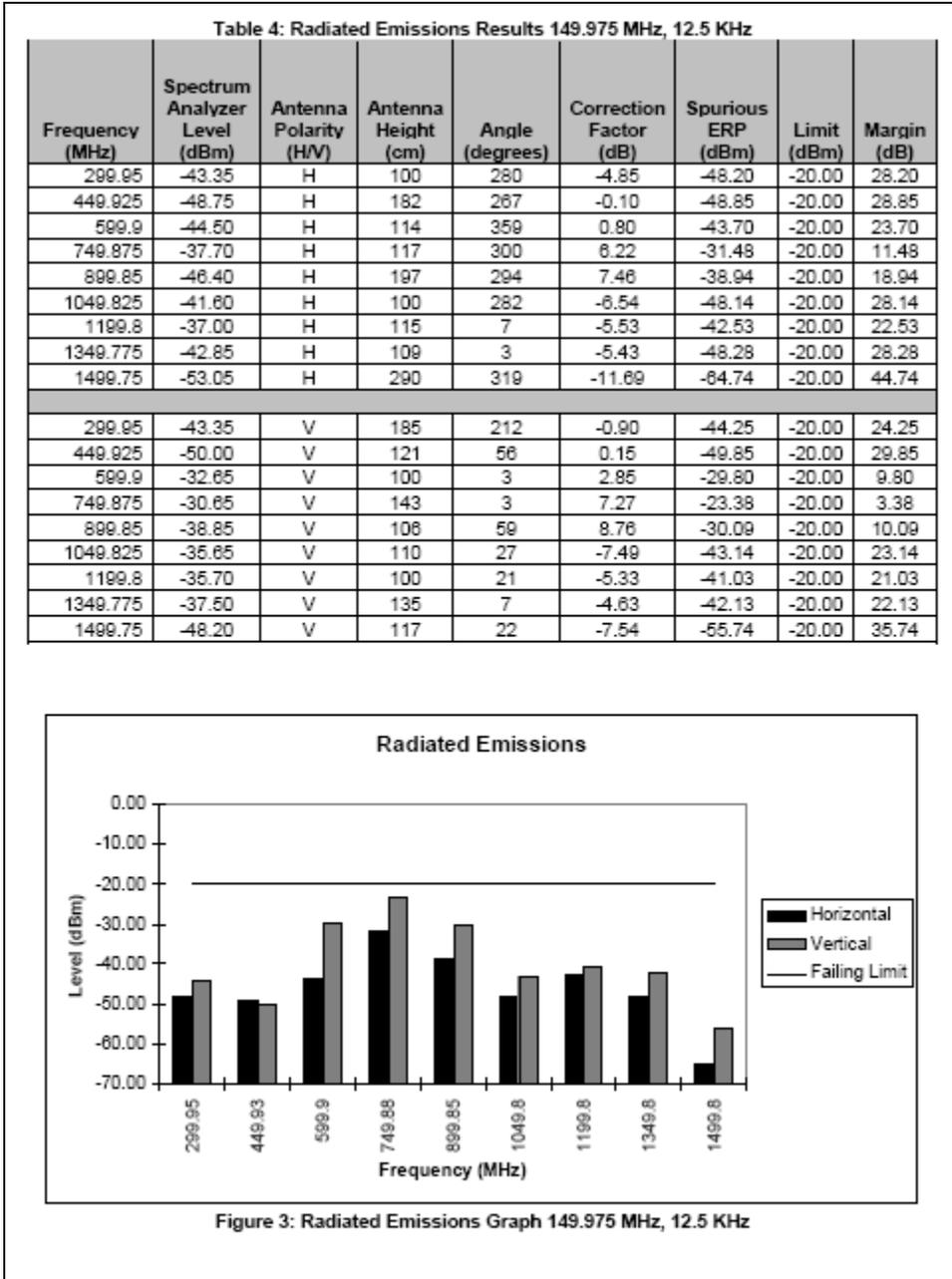


Figure 1: Radiated Emissions Graph 136.025 MHz, 12.5 KHz

Figure 6G-1: 5 Watts, 136.025 MHz, 12.5 kHz Channel Spacing



**Figure 6G-2: 5 Watts, 143.025 MHz, 12.5 kHz Channel Spacing**



**Figure 6G-3: 5 Watts, 149.975 MHz, 12.5 kHz Channel Spacing**

**EXHIBIT I – Transient Frequency Behavior ( Time/Div = 10 ms/d )**

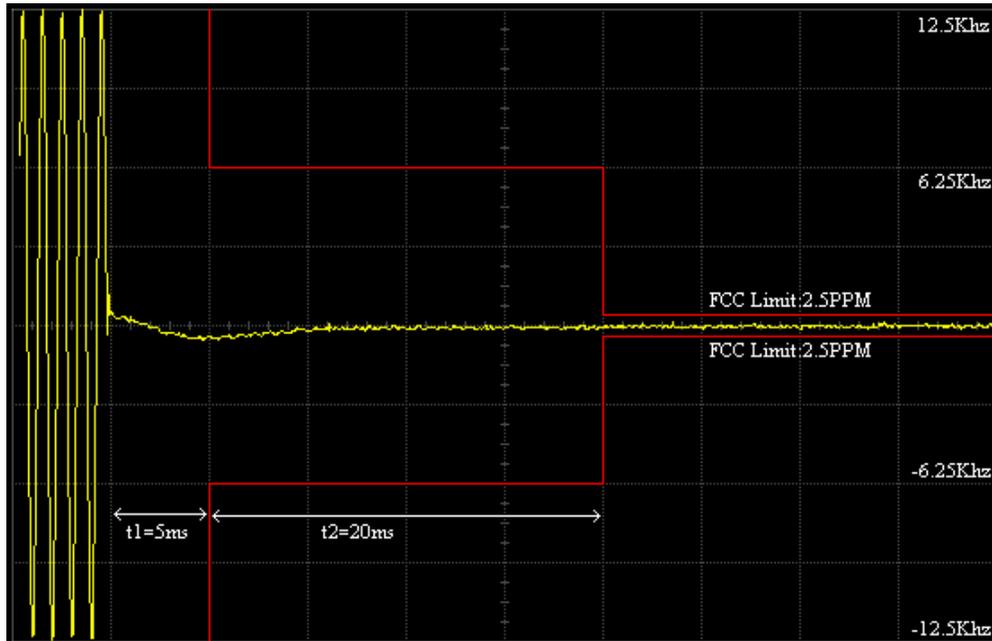


Figure 6I-1: 5 Watts, 12.5 kHz, 143.025 MHz, Key-Up Attack Time

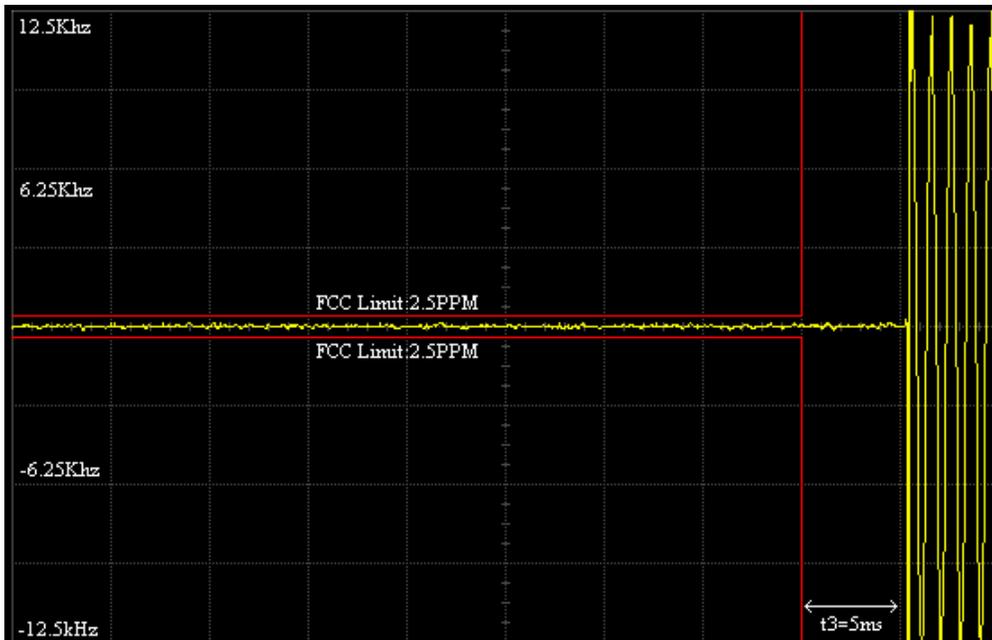


Figure 6I-2: 5 Watts, 12.5 kHz, 143.025 MHz, De-Key Decay Time

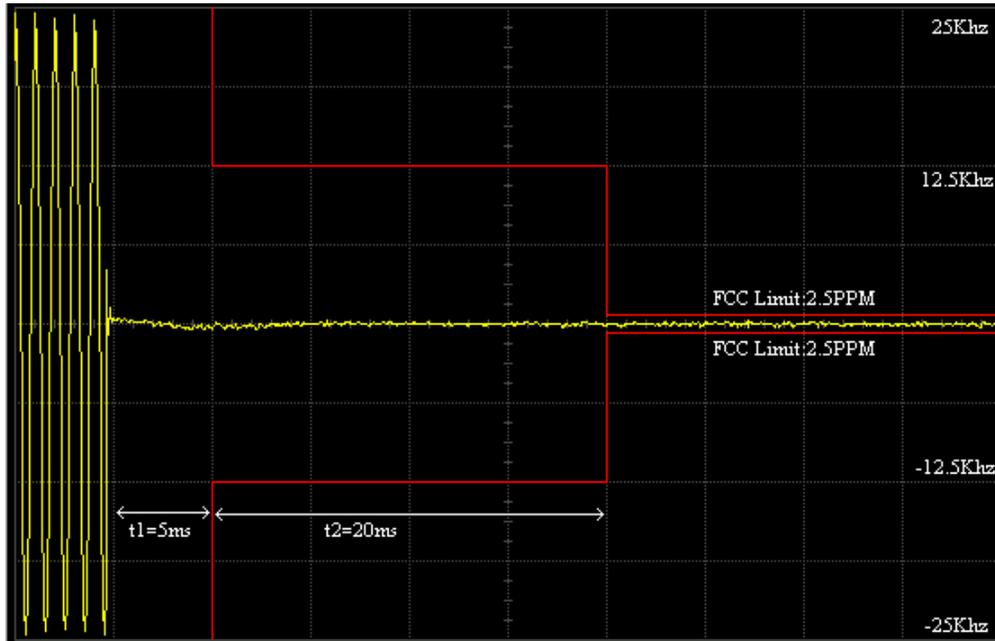


Figure 6I-3: 5 Watts, 25 kHz, 143.025 MHz, Key-Up Attack Time

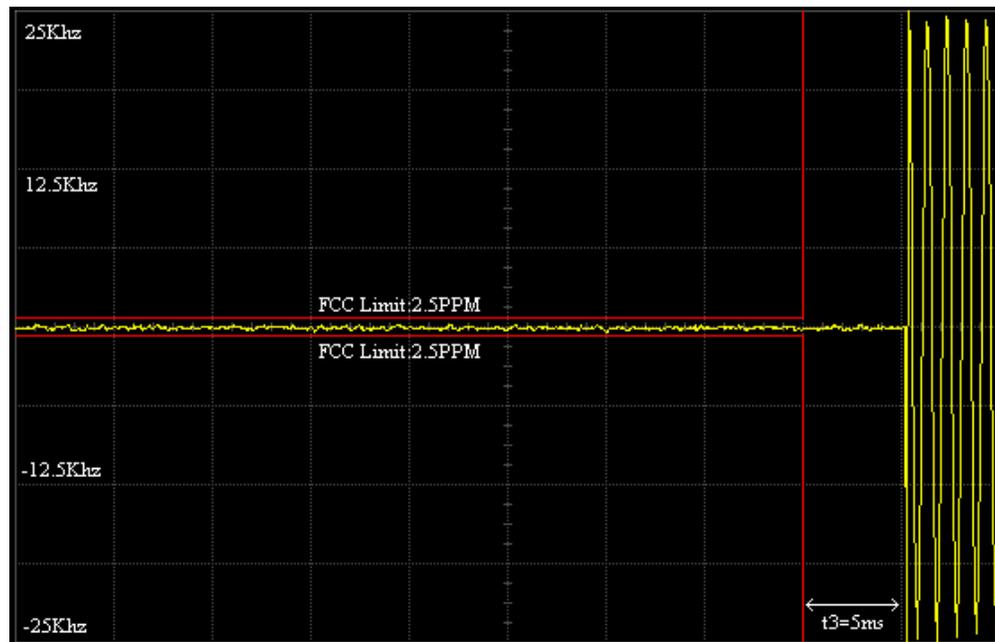


Figure 6I-4: 5 Watts, 25 kHz, 143.025 MHz, De-Key Decay Time