Table 4g. PEAK RADIATED SPURIOUS EMISSIONS (Low)
Omni Antenna

Radiated Spurious Emissions								
Test By:	**Test:**	Spurious Emissions-Omni Antenna-Low Channel				**Client:**	Cirronet	
AT	**Project:**	06-0003		**Class:**		**Model:**	WIT2450	
Frequency Range		**Table**	**Model**		**S/N**	**Valid**	**Calibrated:**	
		2hn3mh	Model : SAS-571		S/N 605	Yes	01 APR 05	
		preamp			S/N	Yes	June/30/2005	
		flex2ft			S/N	Yes	05/Dec/2005	
		Flex17ft			S/N	Yes	05/Dec/2005	
Frequency	**Test Data**	**AF**	**Test Data**	**AF+CA-AMP**	**Results**	**Limits**	**Margin**	**PK = n**
(MHz)	**(dBm)**	**Table**	**(dBuV)**	**(dB)**	**(uV/m)**	**(uV/m)**	**(dB)**	**/ QP**
2400.39	-16.8	2hn3mh	90.2	31.6	1232345.1			**PK**
4801.8	-53.9	2hn3mh	53.1	5.4	845.1	5000.0	**15.4**	**PK**
7202.5	-36.6	2hn3mh	70.4	10.7	11355.0	123234.5	**20.7**	**PK****
9603.4	-40.1	2hn3mh	66.9	13.3	10235.3	123234.5	**21.6**	**PK****

Data corrected by 0.1 dB for loss of high pass filter, except to fundamental

** Conversion from 1 meter to 3 meters = -9.54 dB

SAMPLE CALCULATION:
RESULTS (uV/m @ 3m) = Antilog ((-53.9 + 5.4 + 107)/20) = 845.1
CONVERSION FROM dBm TO dBuV = 107 dB

Tester Signature:  **Name: Austin Thompson**

Figure 4g – 1
Peak Radiated Spurious Emission 15.247(c) Fundamental
Low – Omni Antenna

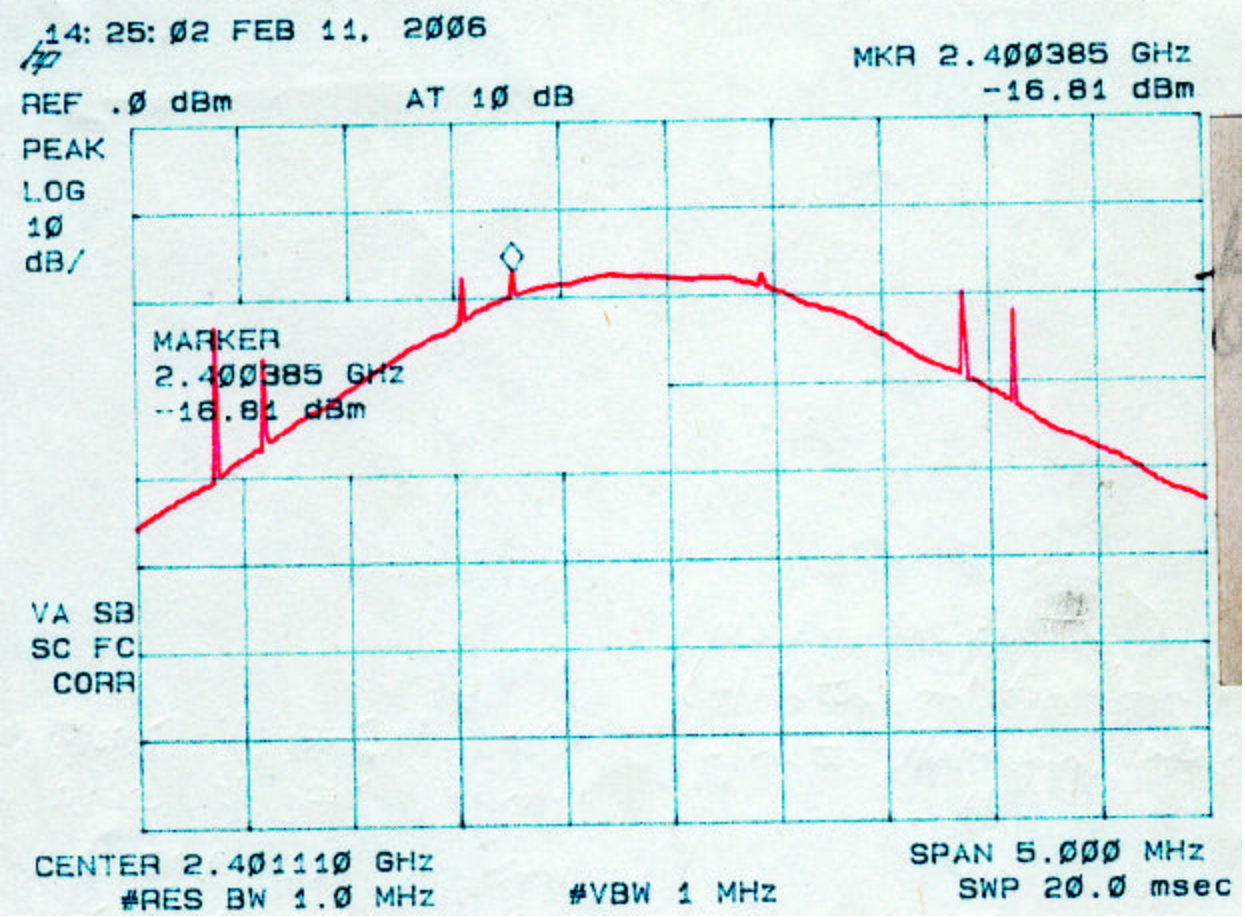

Figure 4g – 2
Peak Radiated Spurious Emission 15.247(c) Low – Omni Antenna

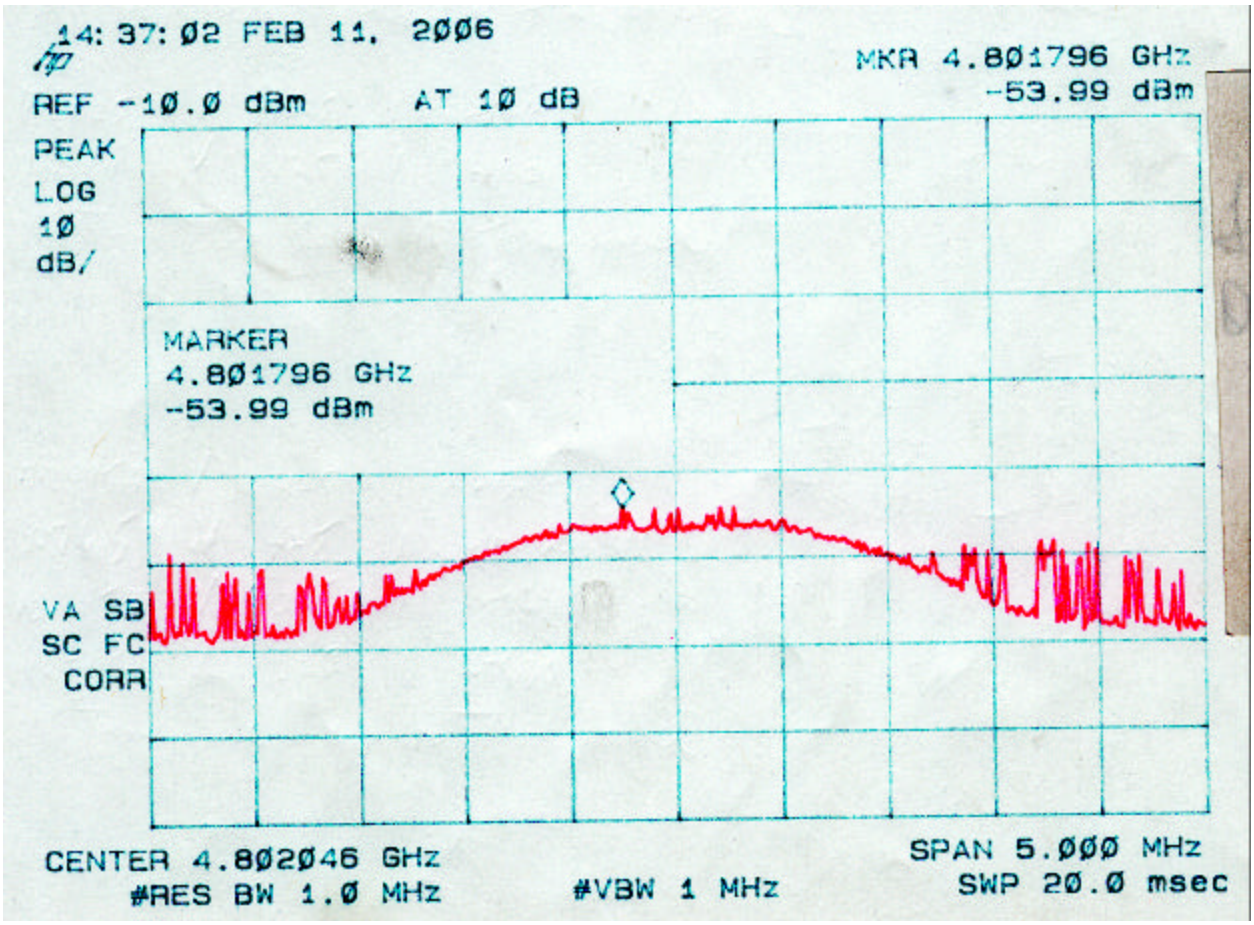

Figure 4g – 3
Peak Radiated Spurious Emission 15.247(c) Low – Omni Antenna

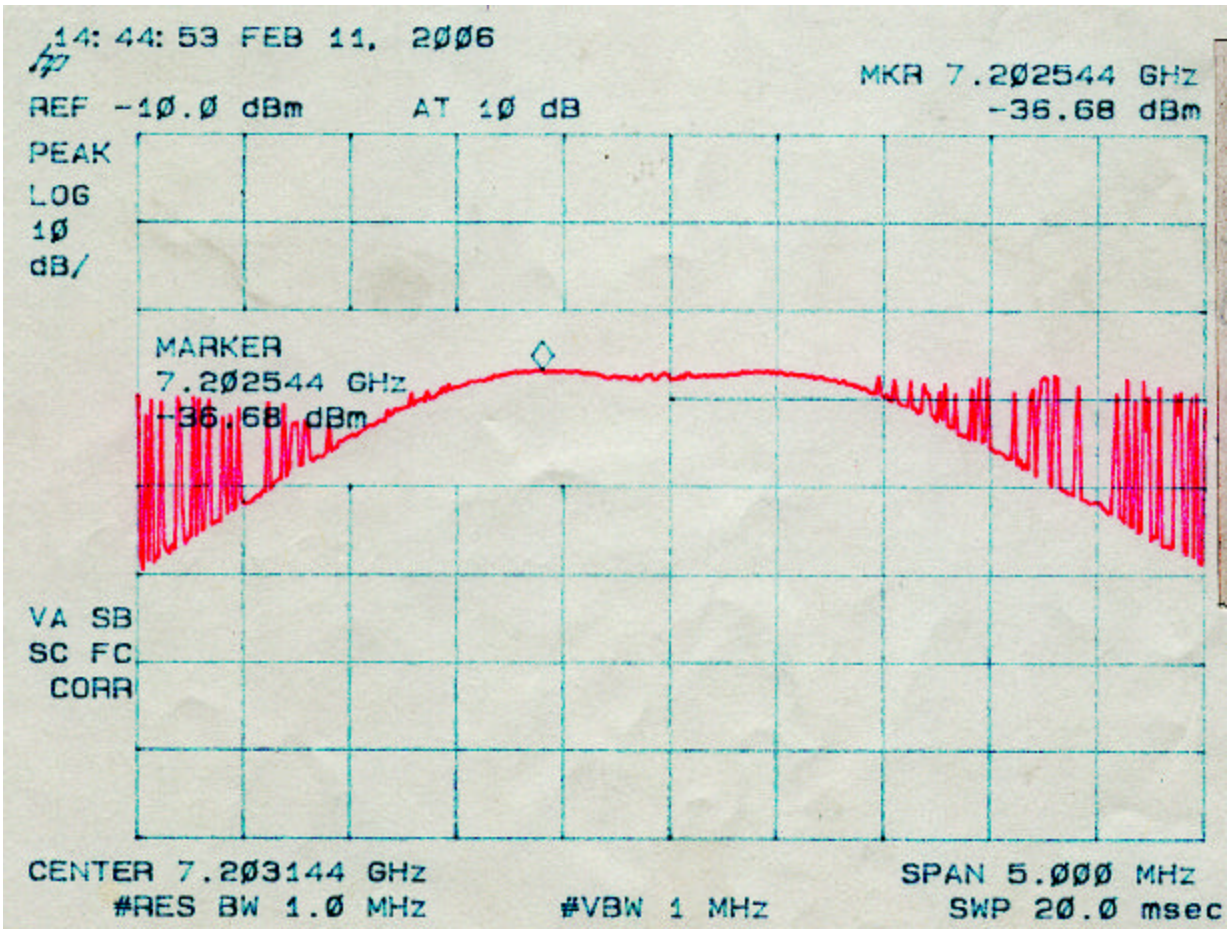

Figure 4g – 4
Peak Radiated Spurious Emission 15.247(c) Low – Omni Antenna

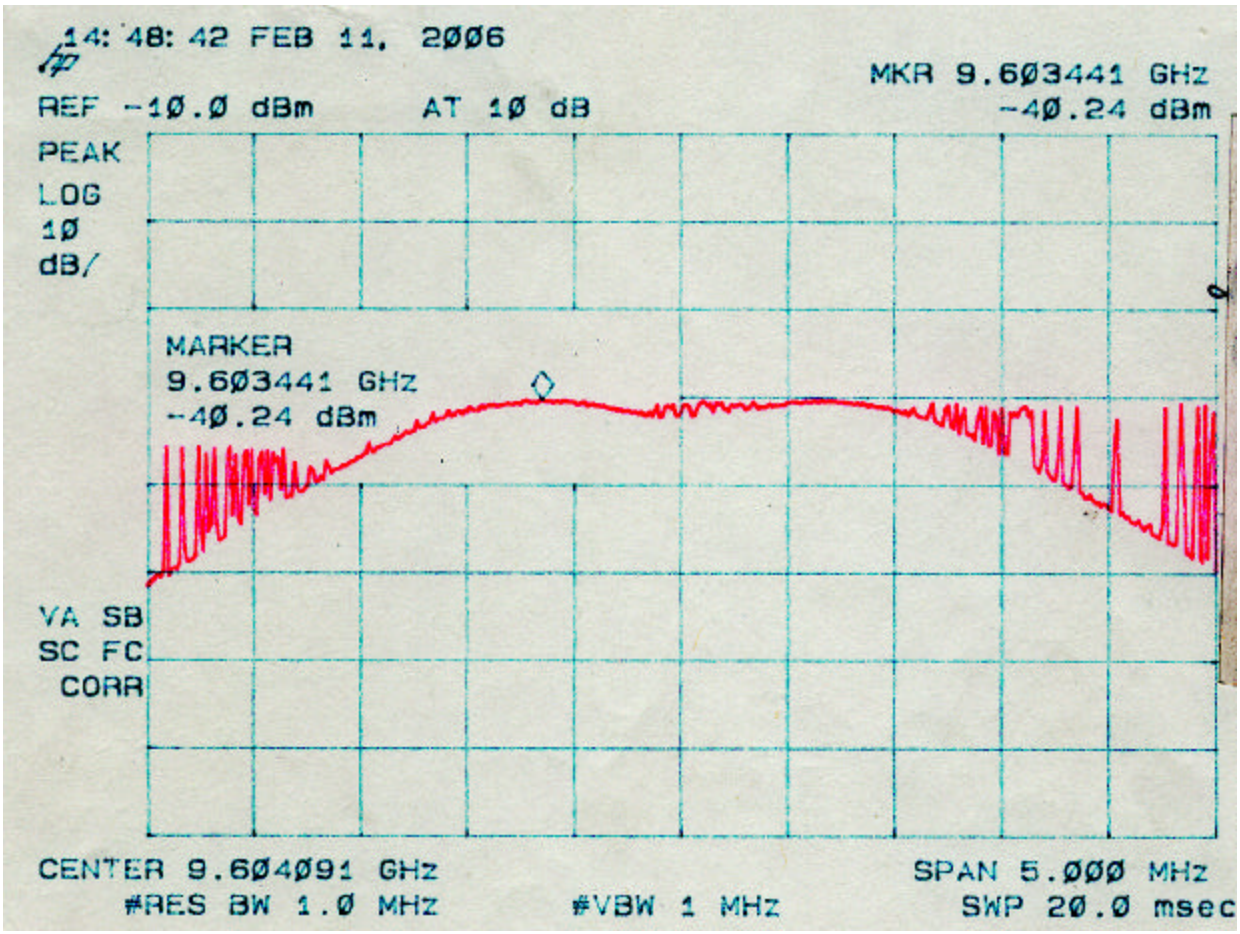

Table 4h. PEAK RADIATED SPURIOUS EMISSIONS (Mid)
Omni Antenna

Radiated Spurious Emissions								
Test By:	**Test:**	Spurious Emissions-Omni Antenna-Mid Channel				**Client:**	Cirronet	
AT	**Project:**	06-0003		**Class:**		**Model:**	WIT2450	
Frequency Range		**Table**	**Model**		**S/N**	**Valid**	**Calibrated:**	
		2hn3mh	Model : SAS-571		S/N 605	Yes	01 APR 05	
		preamp			S/N	Yes	June/30/2005	
		flex2ft			S/N	Yes	05/Dec/2005	
		Flex17ft			S/N	Yes	05/Dec/2005	
Frequency	**Test Data**	**AF**	**Test Data**	**AF+CA-AMP**	**Results**	**Limits**	**Margin**	**PK = n**
(MHz)	**(dBm)**	**Table**	**(dBuV)**	**(dB)**	**(uV/m)**	**(uV/m)**	**(dB)**	**/ QP**
2433.50	-18.2	2hn3mh	88.8	31.7	1051914.7			**PK**
4861.19	-46.9	2hn3mh	60.1	5.6	1938.3	5000.0	**8.2**	**PK**
7299.53	-52.6	2hn3mh	54.4	10.8	1830.1	5000.0	**8.7**	**PK****
9711.5	-47.4	2hn3mh	59.6	13.4	4482.1	105191.5	**27.4**	**PK****
12165.7	-64.6	2hn3mh	42.4	19.2	1209.2	5000.0	**12.3**	**PK****
14598.6	-64.7	2hn3mh	42.3	22.8	1801.7	105191.5	**35.3**	**PK****

Data corrected by 0.1 dB for loss of high pass filter, except to fundamental

** Conversion from 1 meter to 3 meters = -9.54 dB

SAMPLE CALCULATION:
RESULTS (uV/m @ 3m) = Antilog ((-46.9 + 5.6 + 107)/20) = 1938.3
CONVERSION FROM dBm TO dBuV = 107 dB

Tester Signature: _____ **Name: Austin Thompson**

Figure 4h – 1
Peak Radiated Spurious Emission 15.247(c) Fundamental Mid – Omni Antenna

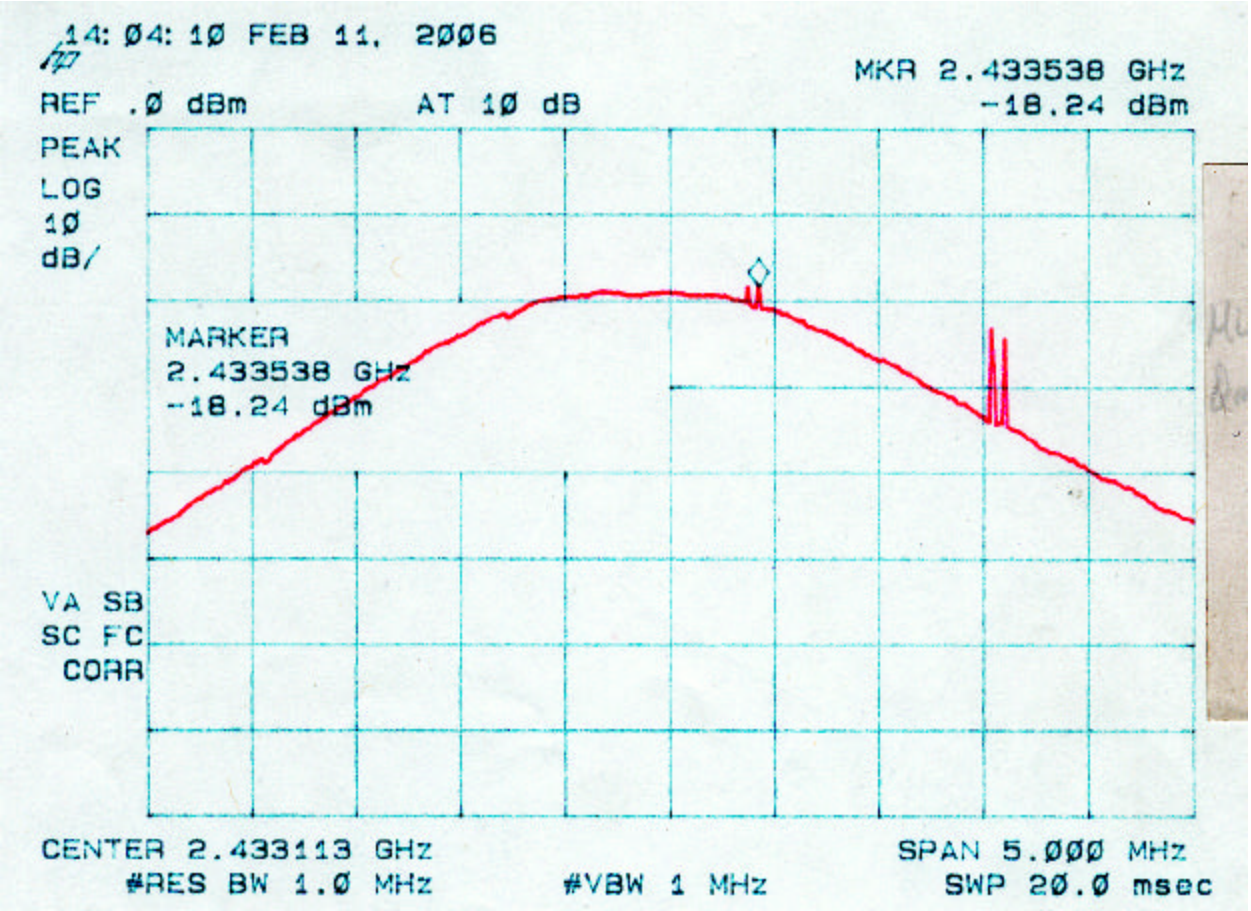

Figure 4h – 2
Peak Radiated Spurious Emission 15.247(c) Mid – Omni Antenna

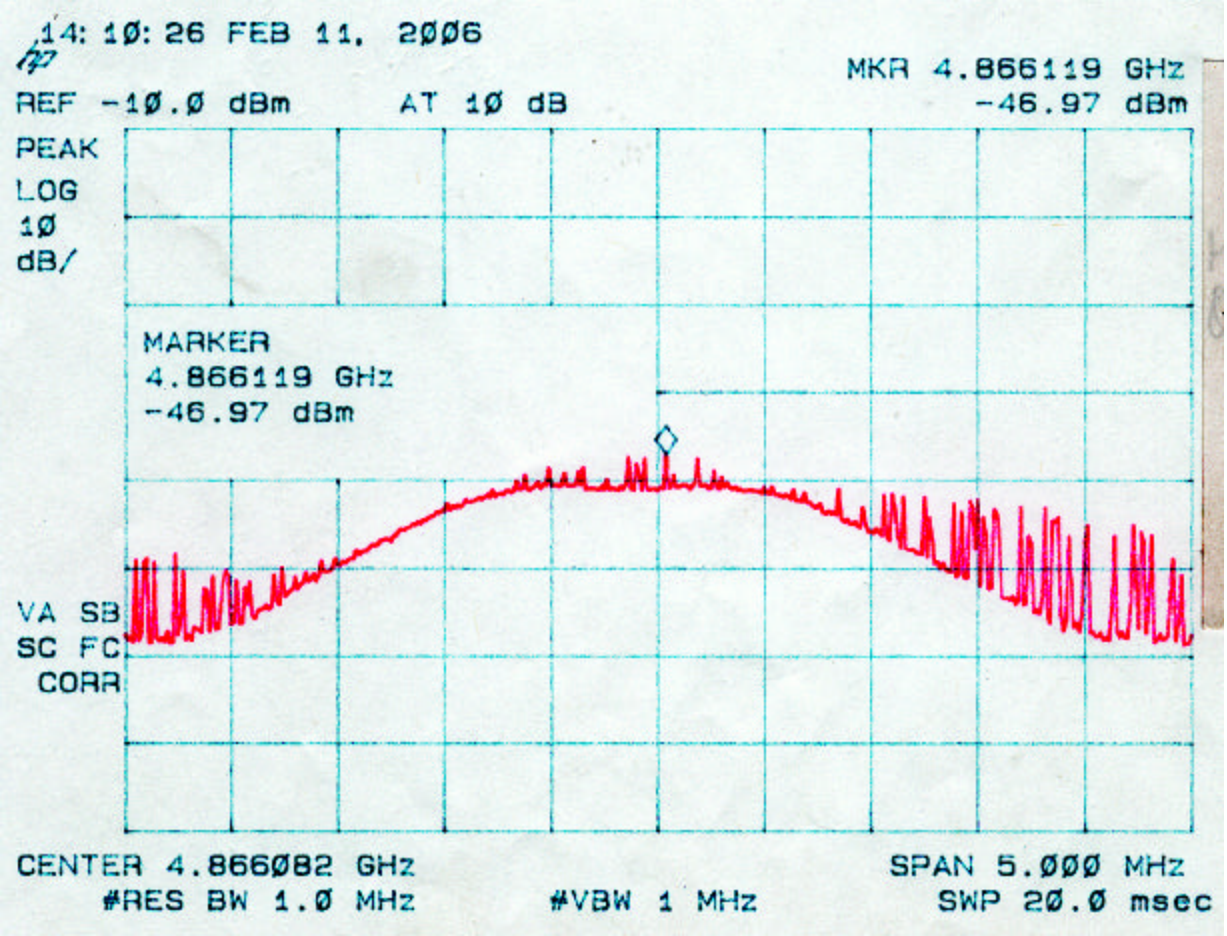

Figure 4h – 3
Peak Radiated Spurious Emission 15.247(c) Mid – Omni Antenna

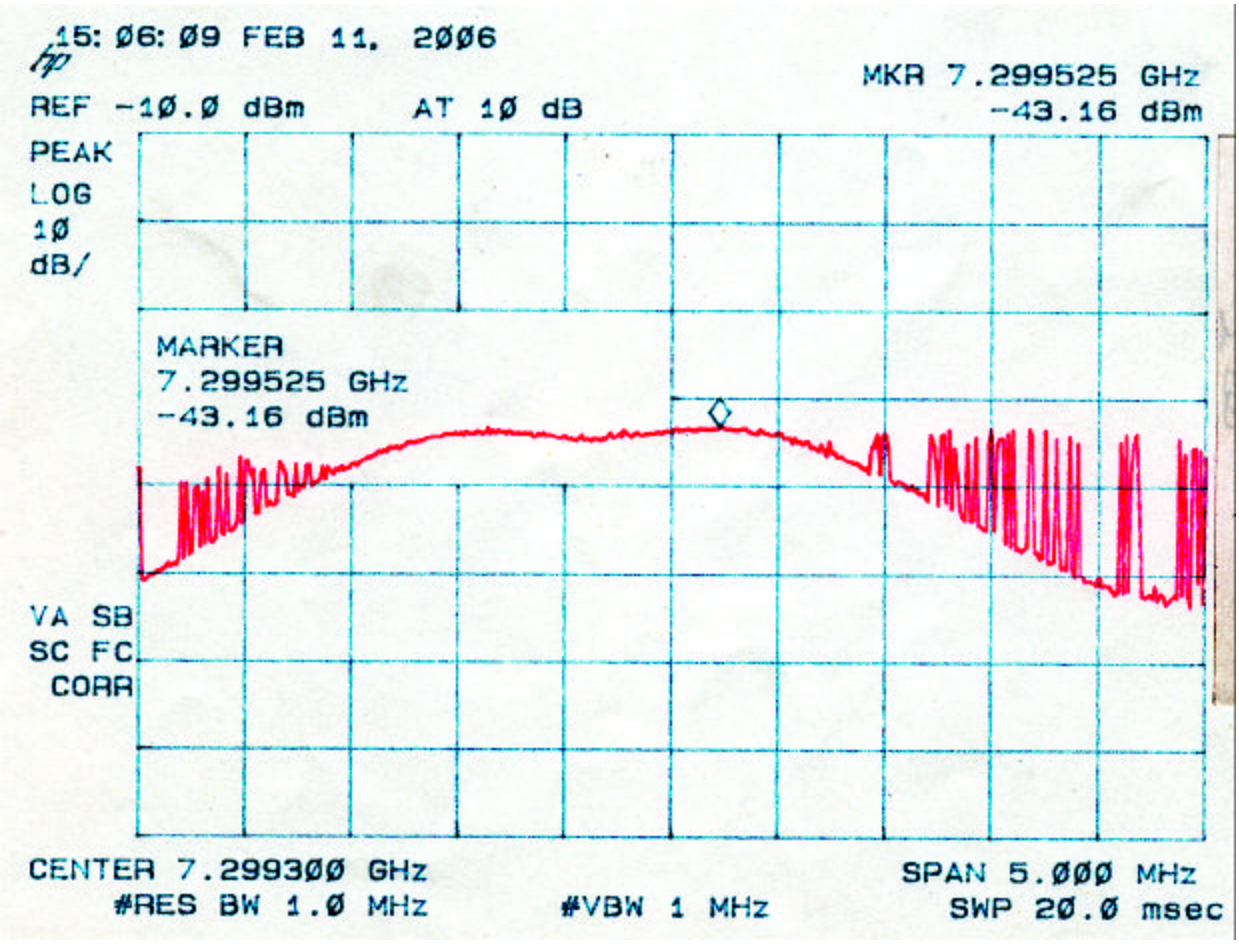

Figure 4h – 4
Peak Radiated Spurious Emission 15.247(c) Mid – Omni Antenna

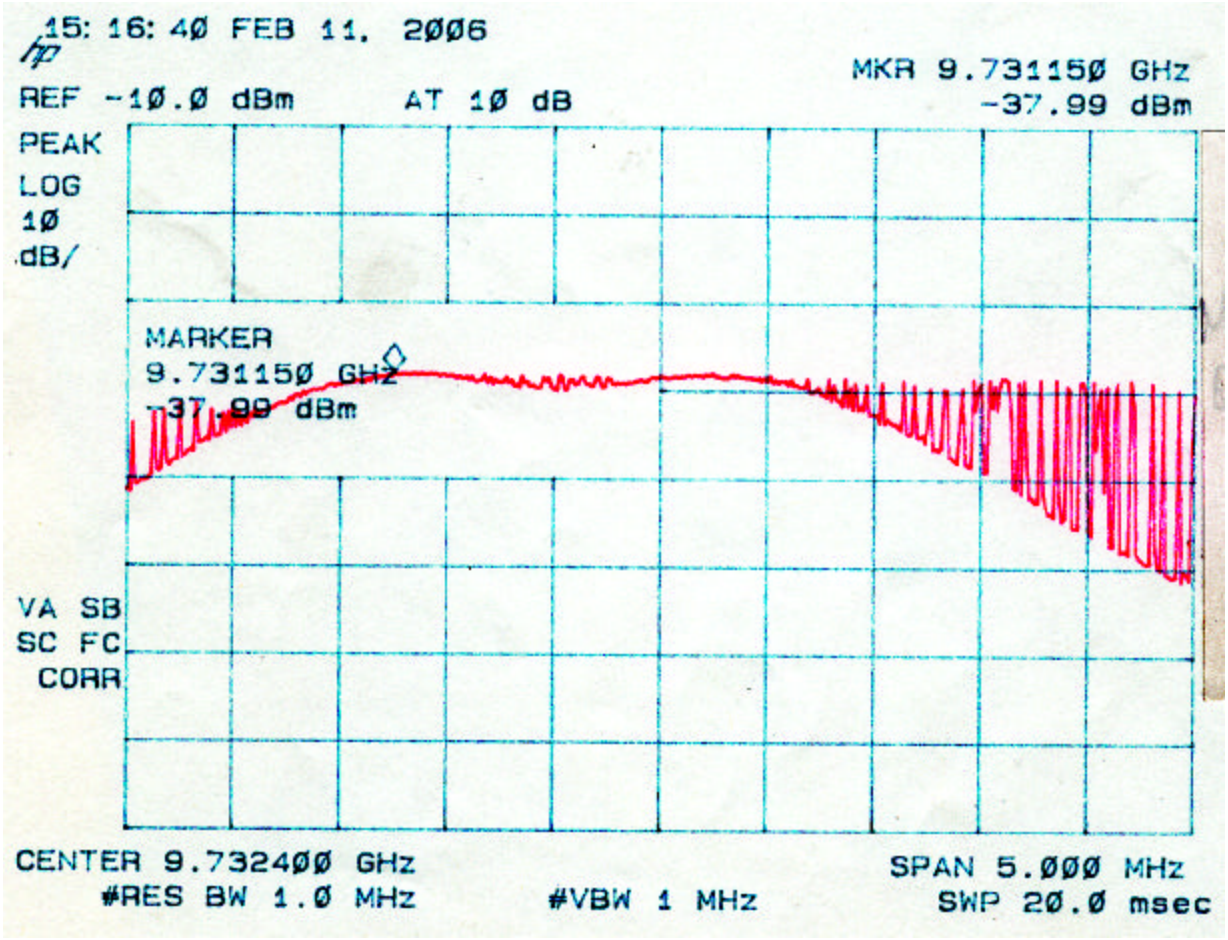

Figure 4h – 5
Peak Radiated Spurious Emission 15.247(c) Mid – Omni Antenna

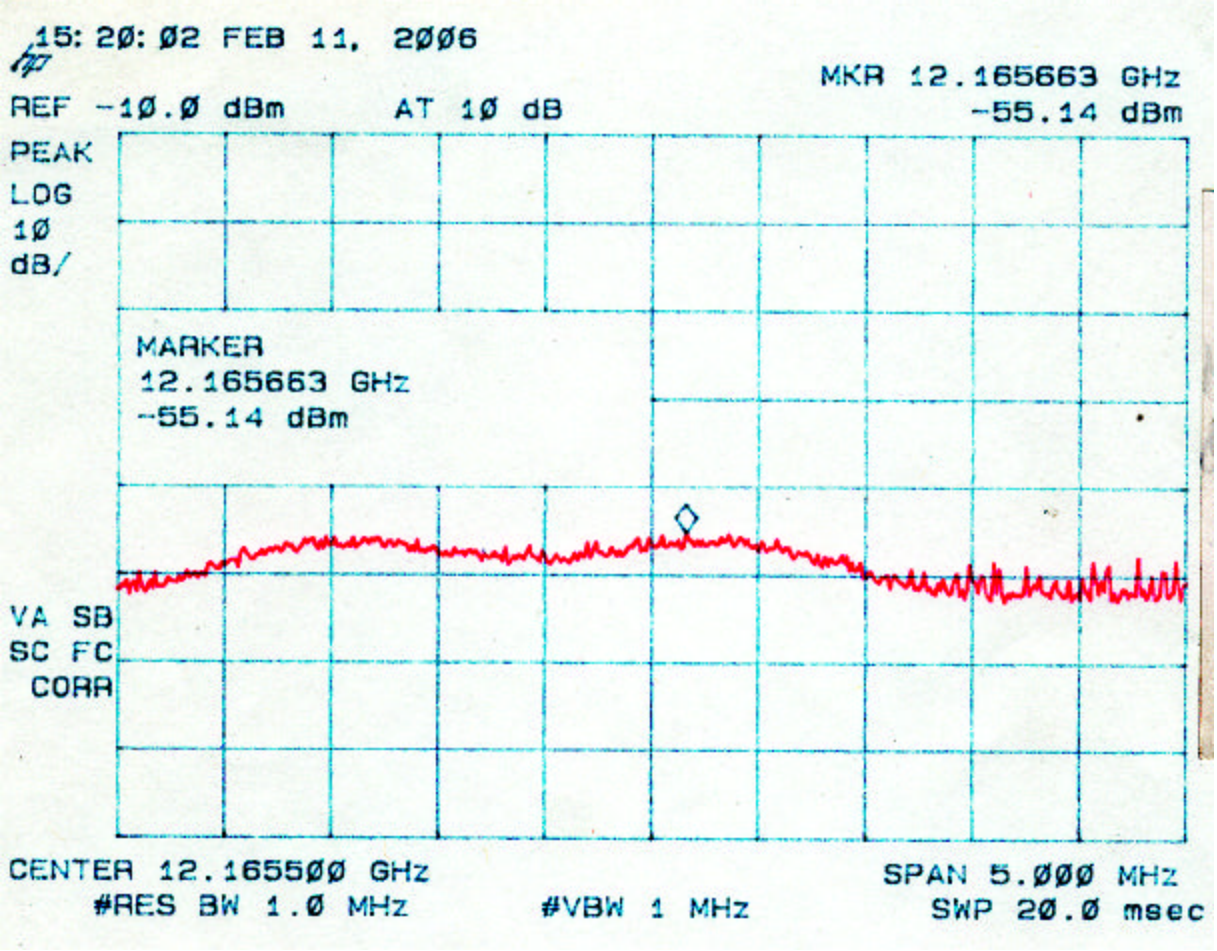

Figure 4h – 6
Peak Radiated Spurious Emission 15.247(c) Mid – Omni Antenna

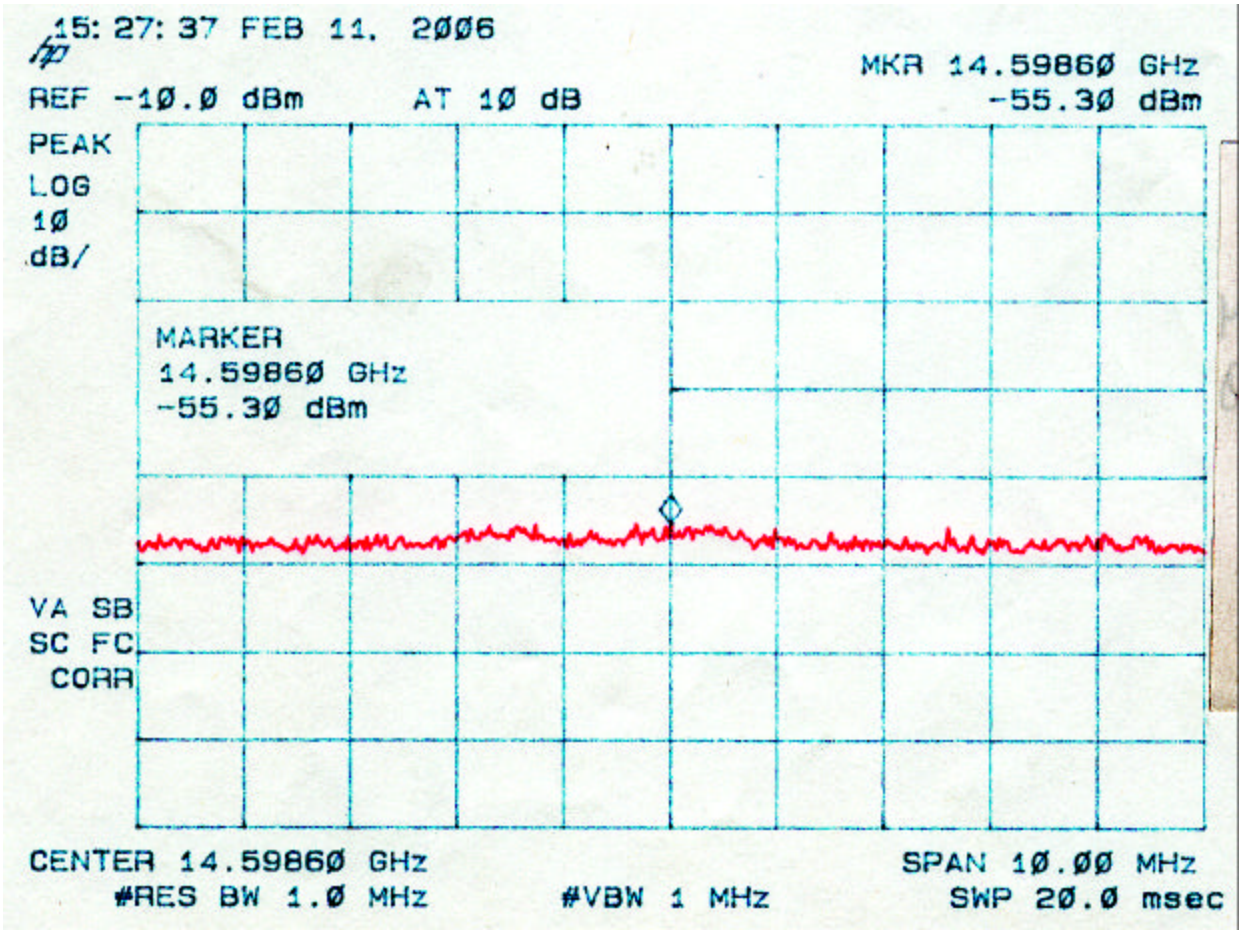

Table 4i. PEAK RADIATED SPURIOUS EMISSIONS (High)
Omni Antenna

Radiated Spurious Emissions								
Test By:	**Test:**	Spurious Emissions-Omni Antenna-High Channel				**Client:**	Cirronet	
AT	**Project:**	06-0003		**Class:**		**Model:**	WIT2450	
Frequency Range		**Table**	**Model**		**S/N**	**Valid**	**Calibrated:**	
		2hn3mh	Model : SAS-571		S/N 605	Yes	01 APR 05	
		preamp			S/N	Yes	June/30/2005	
		flex2ft			S/N	Yes	05/Dec/2005	
		Flex17ft			S/N	Yes	05/Dec/2005	
Frequency	**Test Data**	**AF**	**Test Data**	**AF+CA-AMP**	**Results**	**Limits**	**Margin**	**PK = n**
(MHz)	**(dBm)**	**Table**	**(dBuV)**	**(dB)**	**(uV/m)**	**(uV/m)**	**(dB)**	**/ QP**
2475.80	-21.1	2hn3mh	85.9	31.7	765581.4			**PK**
4950.863	-50.1	2hn3mh	57.0	6.0	1399.0	5000.0	**11.1**	**PK**
7425.95	-48.1	2hn3mh	58.9	11.0	3140.1	5000.0	**4.0**	**PK****
9901.2	-45.6	2hn3mh	61.4	13.7	5658.1	60428.5	**20.6**	**PK****
12377.5	-62.8	2hn3mh	44.2	19.7	1561.6	5000.0	**10.1**	**PK****
14851.3	-63.4	2hn3mh	43.6	22.5	2024.9	60428.5	**29.5**	**PK****

Data corrected by 0.1 dB for loss of high pass filter, except to fundamental

** Conversion from 1 meter to 3 meters = -9.54 dB

SAMPLE CALCULATION:
RESULTS (uV/m @ 3m) = Antilog ((-50.1 + 6.0 + 107)/20) = 1399.0
CONVERSION FROM dBm TO dBuV = 107 dB

Tester Signature:  **Name: Austin Thompson**

Figure 4i – 1
Peak Radiated Spurious Emission 15.247(c) High Fundamental – Omni Antenna

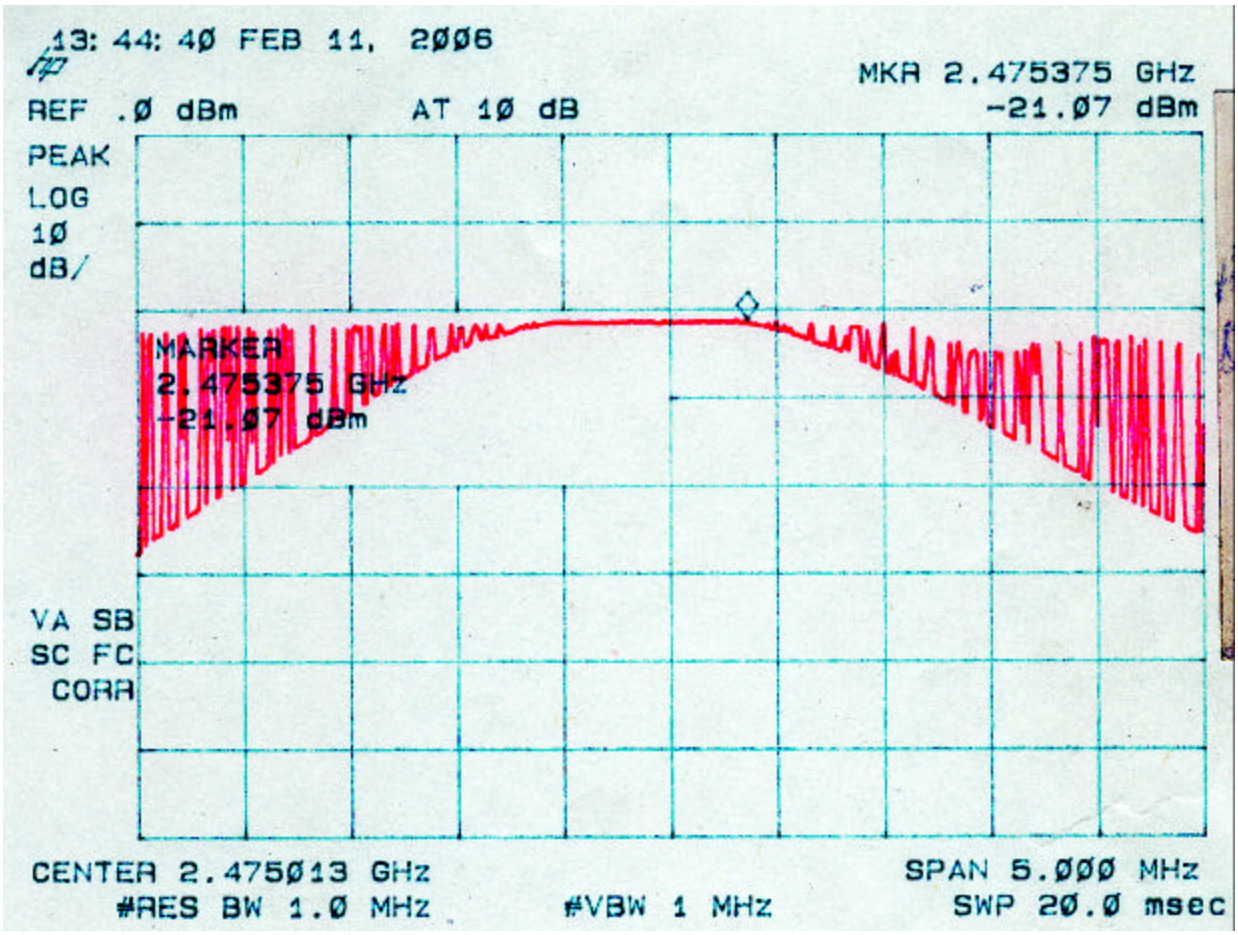

Figure 4i – 2
Peak Radiated Spurious Emission 15.247(c) High– Omni Antenna

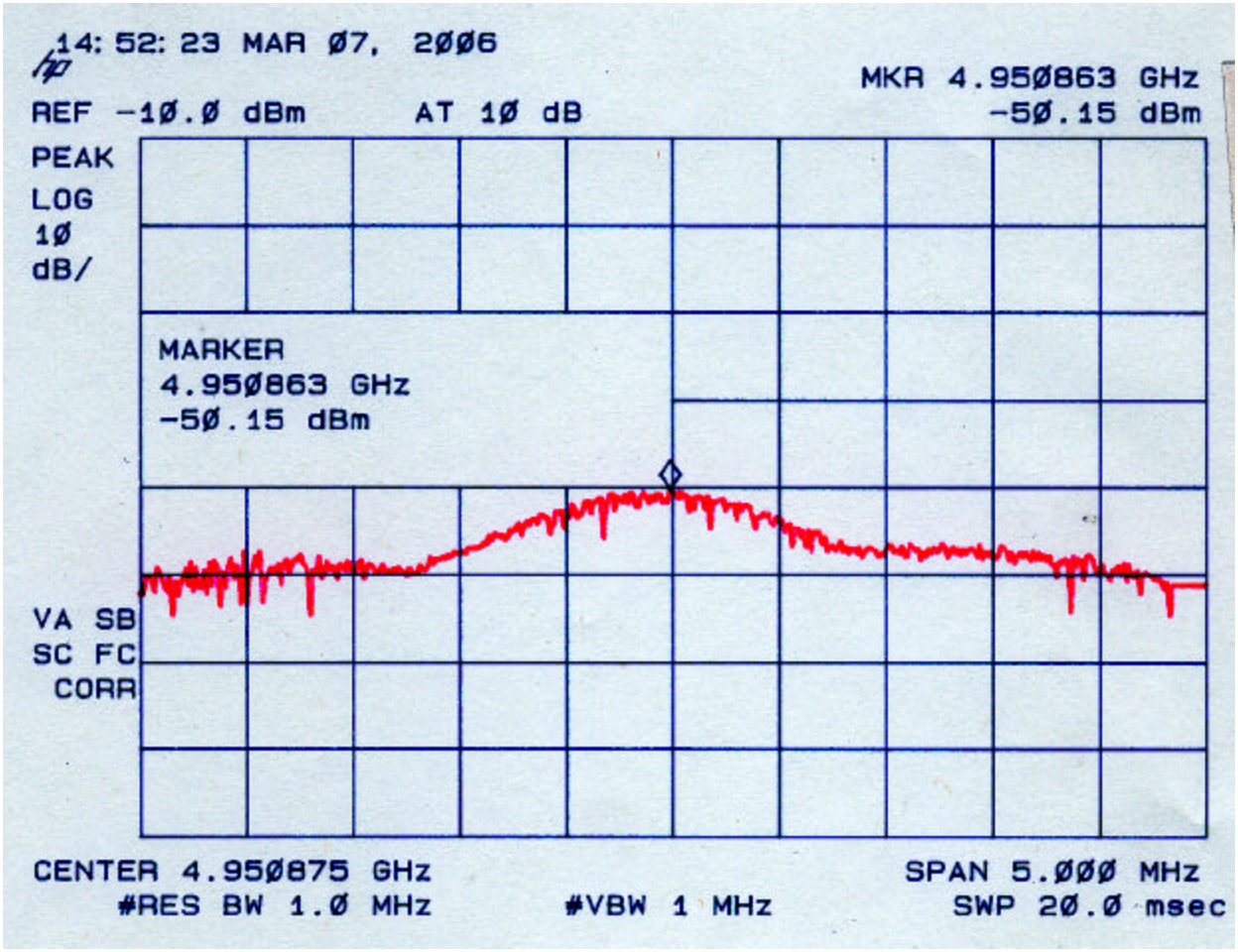

Figure 4i – 3
Peak Radiated Spurious Emission 15.247(c) High– Omni Antenna

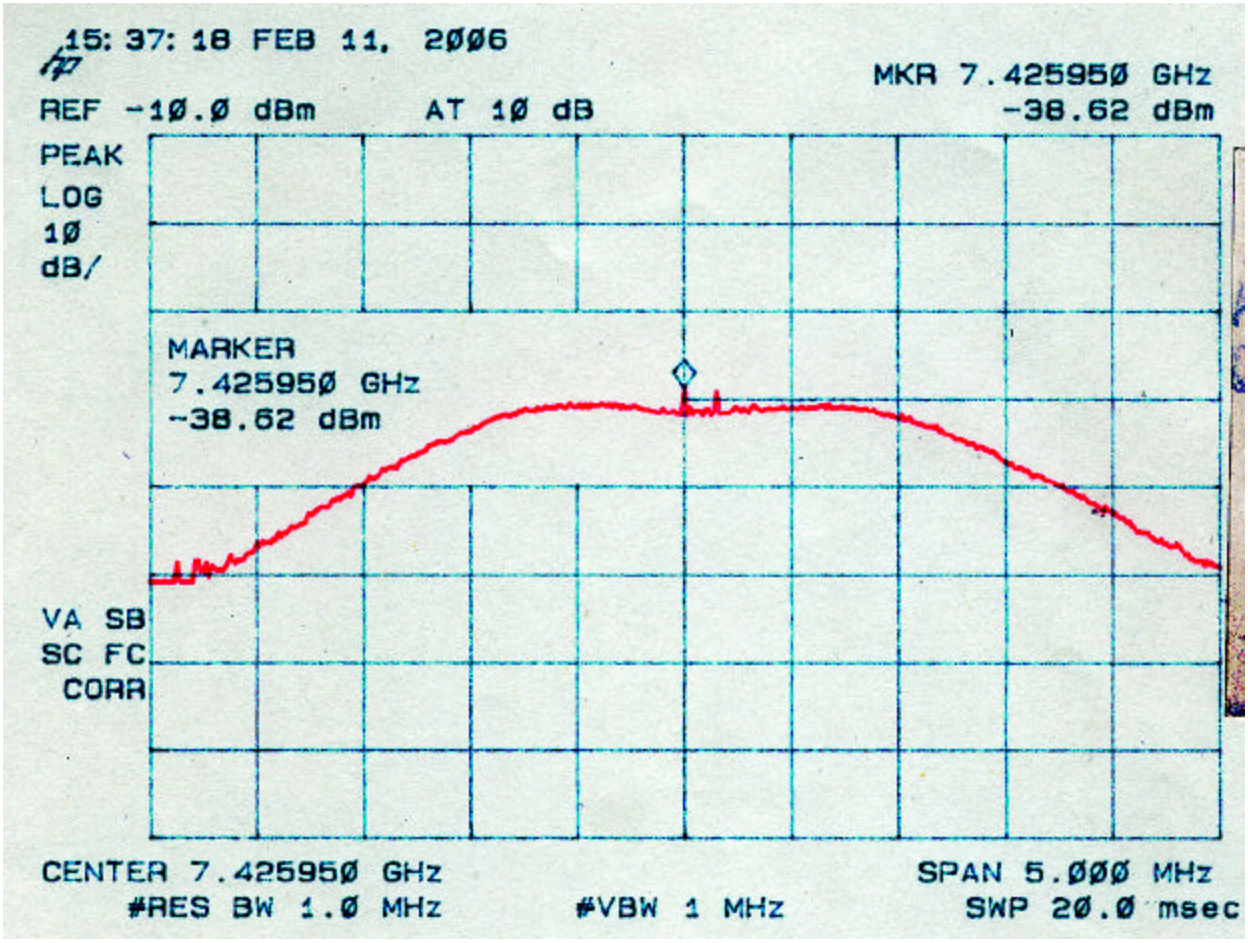

Figure 4i – 4
Peak Radiated Spurious Emission 15.247(c) High– Omni Antenna

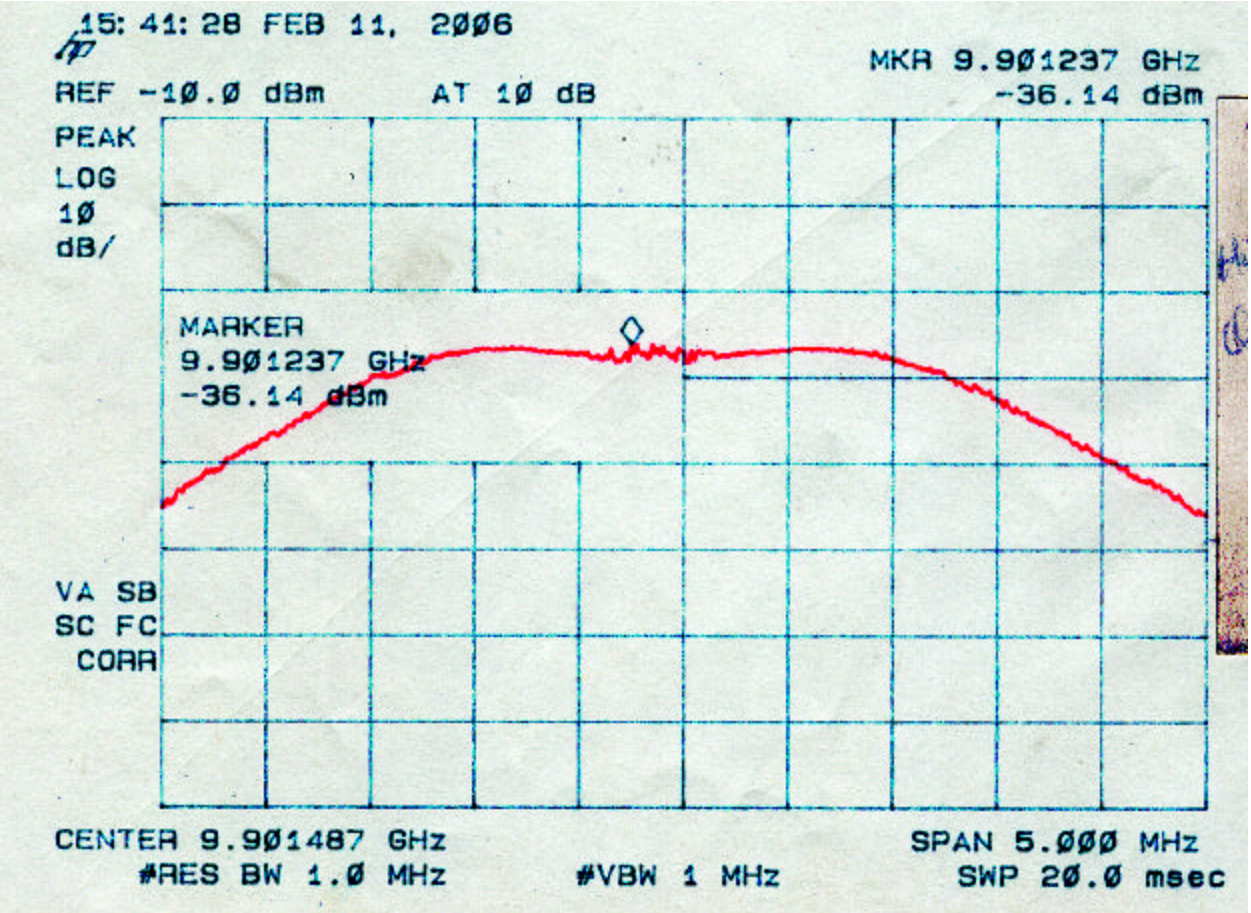

Figure 4i – 5
Peak Radiated Spurious Emission 15.247(c) High– Omni Antenna