

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

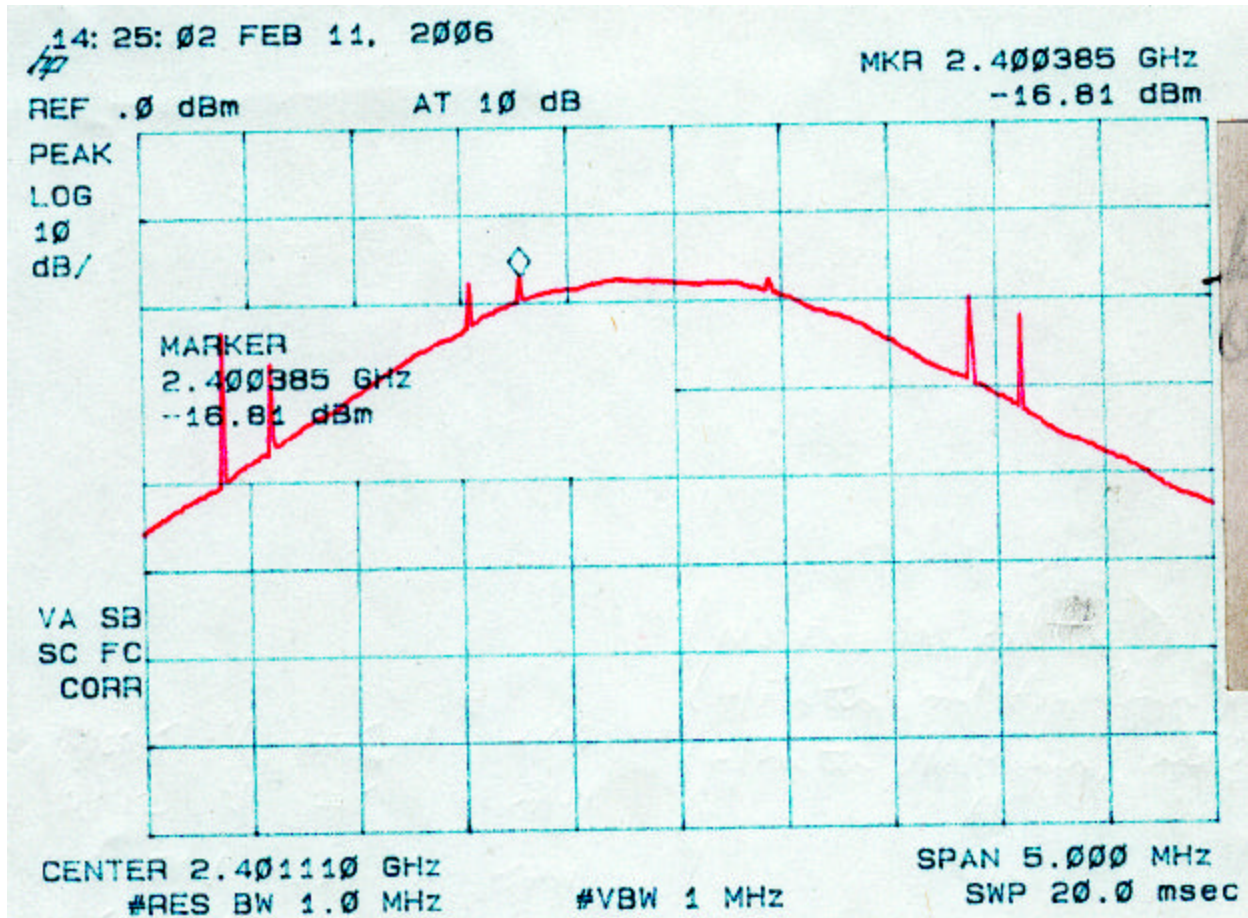


Figure 4g – 2
Peak Radiated Spurious Emission 15.247(c) Low – Omni Antenna

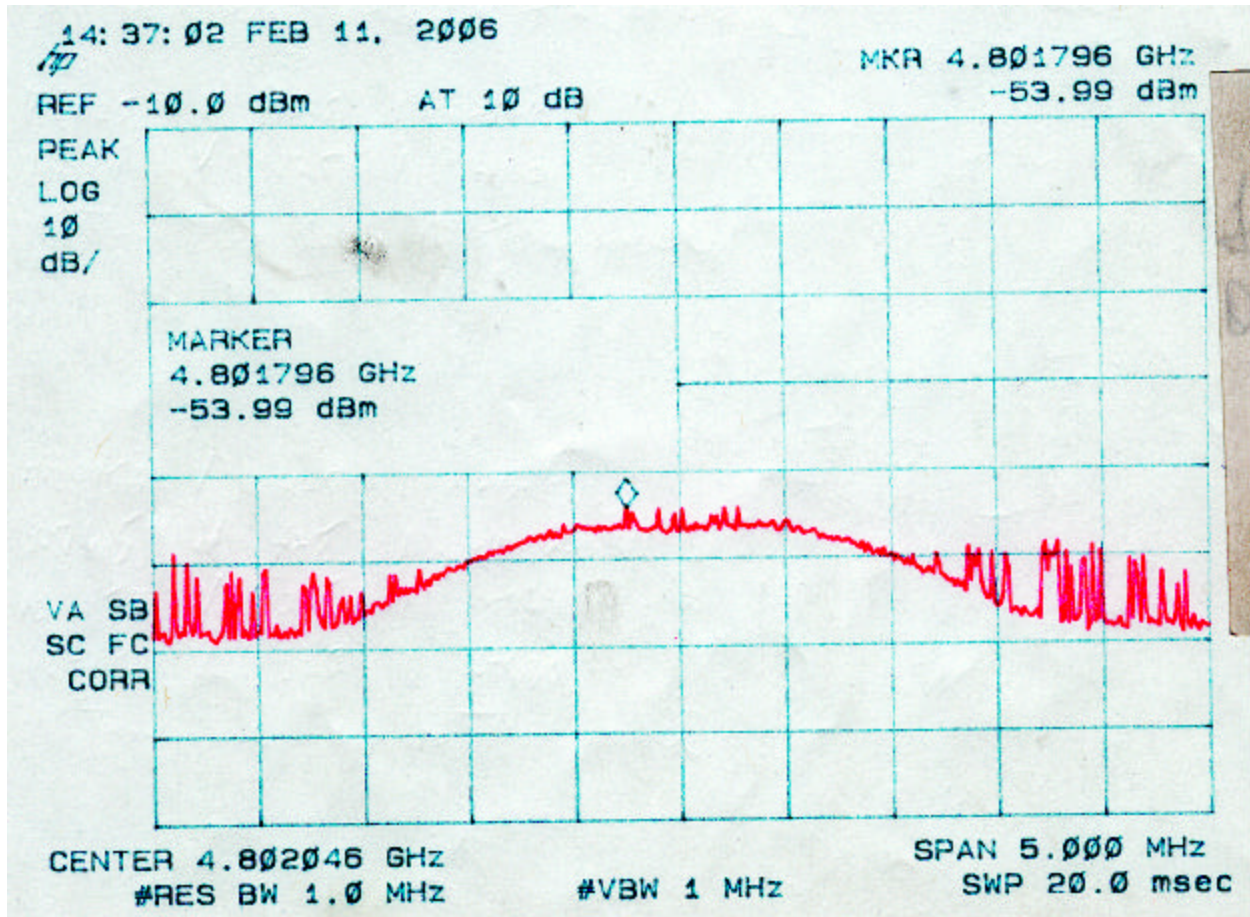


Figure 4g – 3
Peak Radiated Spurious Emission 15.247(c) Low – Omni Antenna

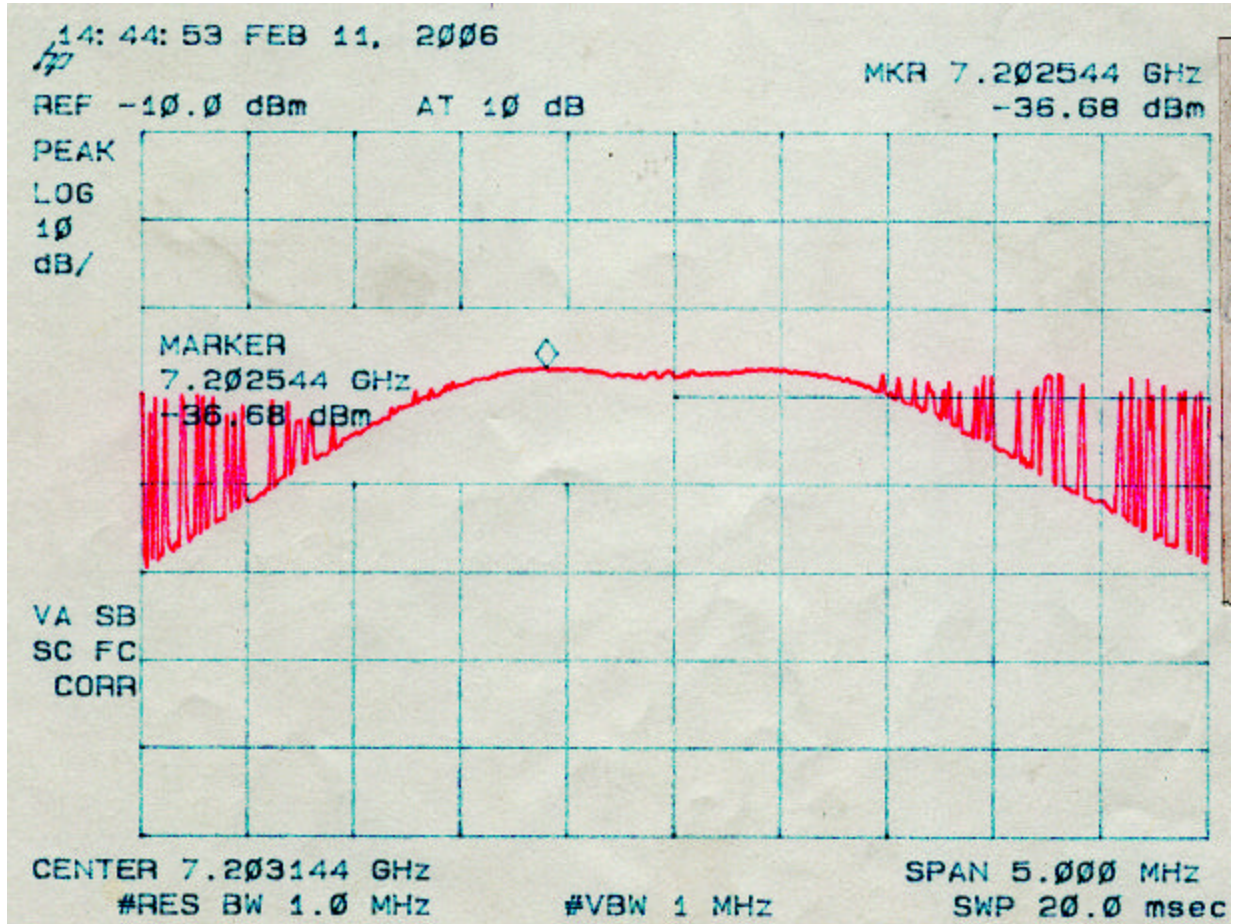


Figure 4g – 4
Peak Radiated Spurious Emission 15.247(c) Low – Omni Antenna

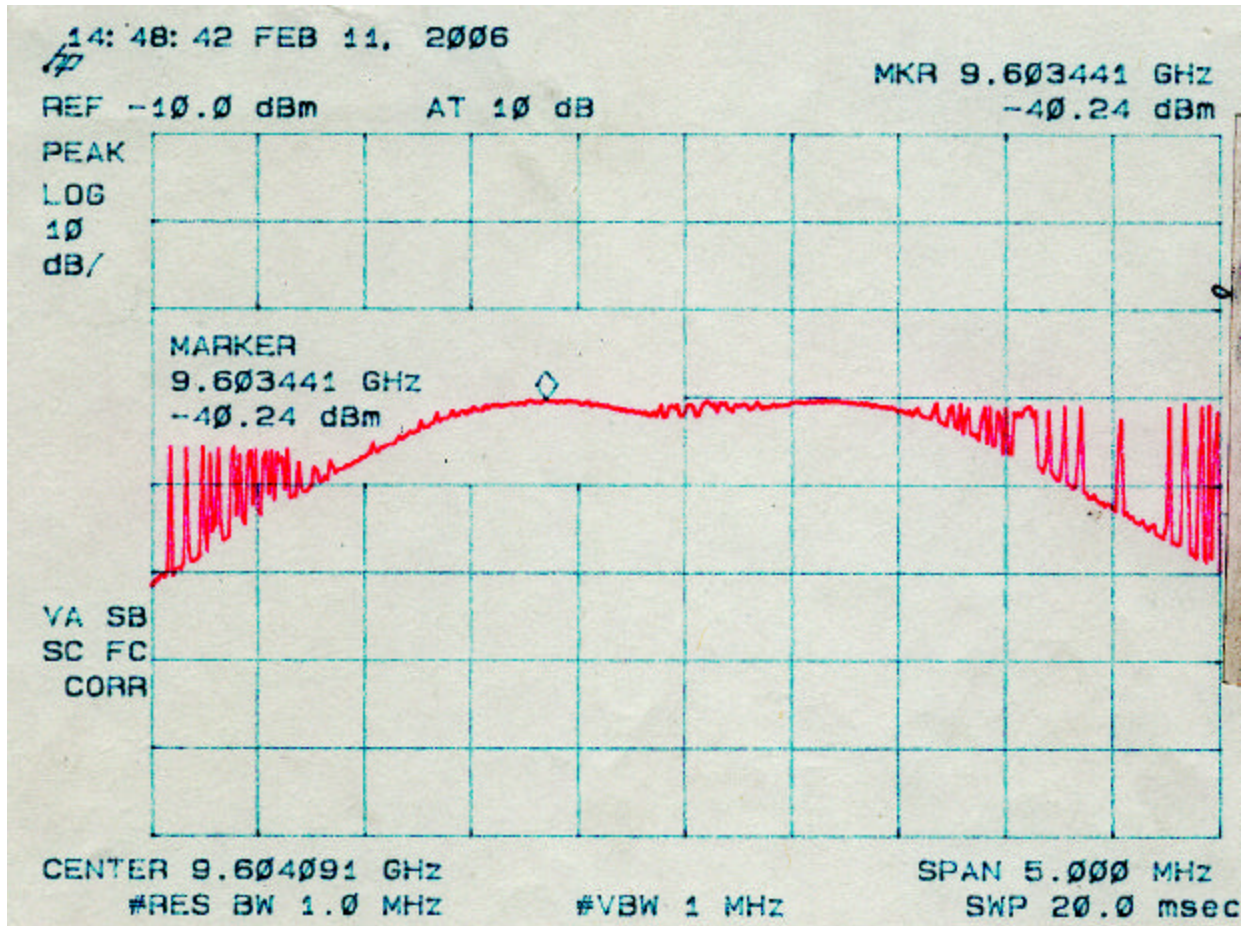


Table 4h. PEAK RADIATED SPURIOUS EMISSIONS (Mid)
Omni Antenna

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

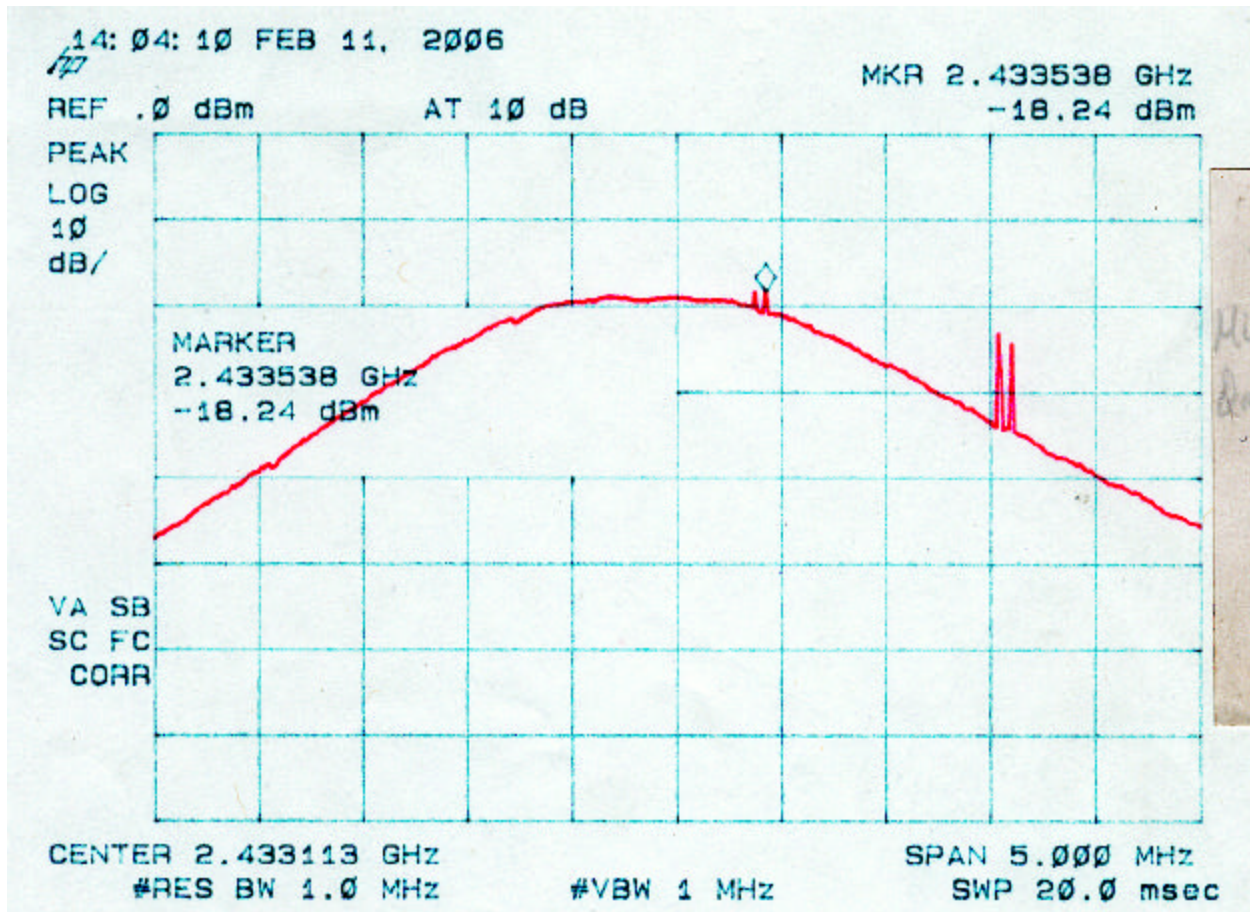


Figure 4h – 2
Peak Radiated Spurious Emission 15.247(c) Mid – Omni Antenna

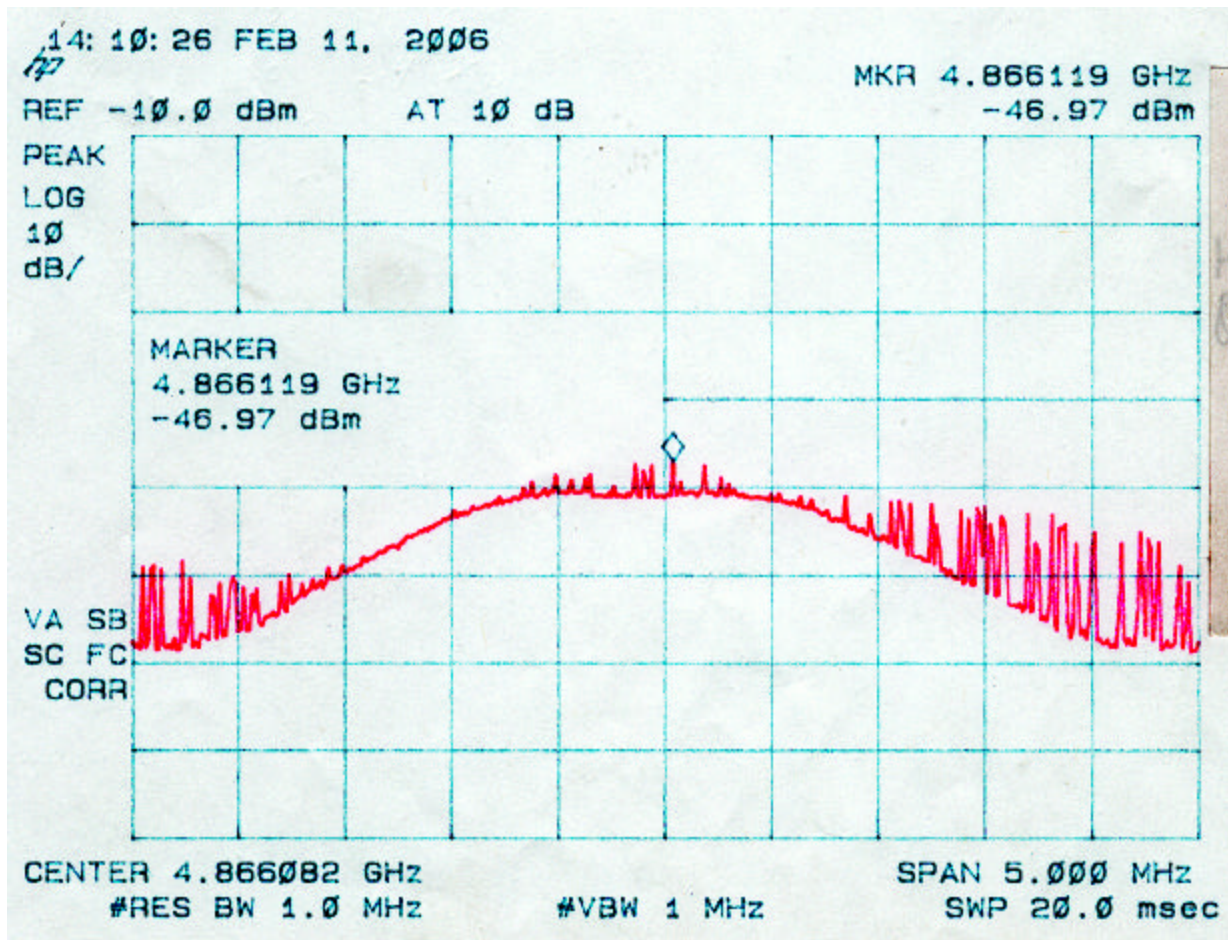


Figure 4h – 3
Peak Radiated Spurious Emission 15.247(c) Mid – Omni Antenna

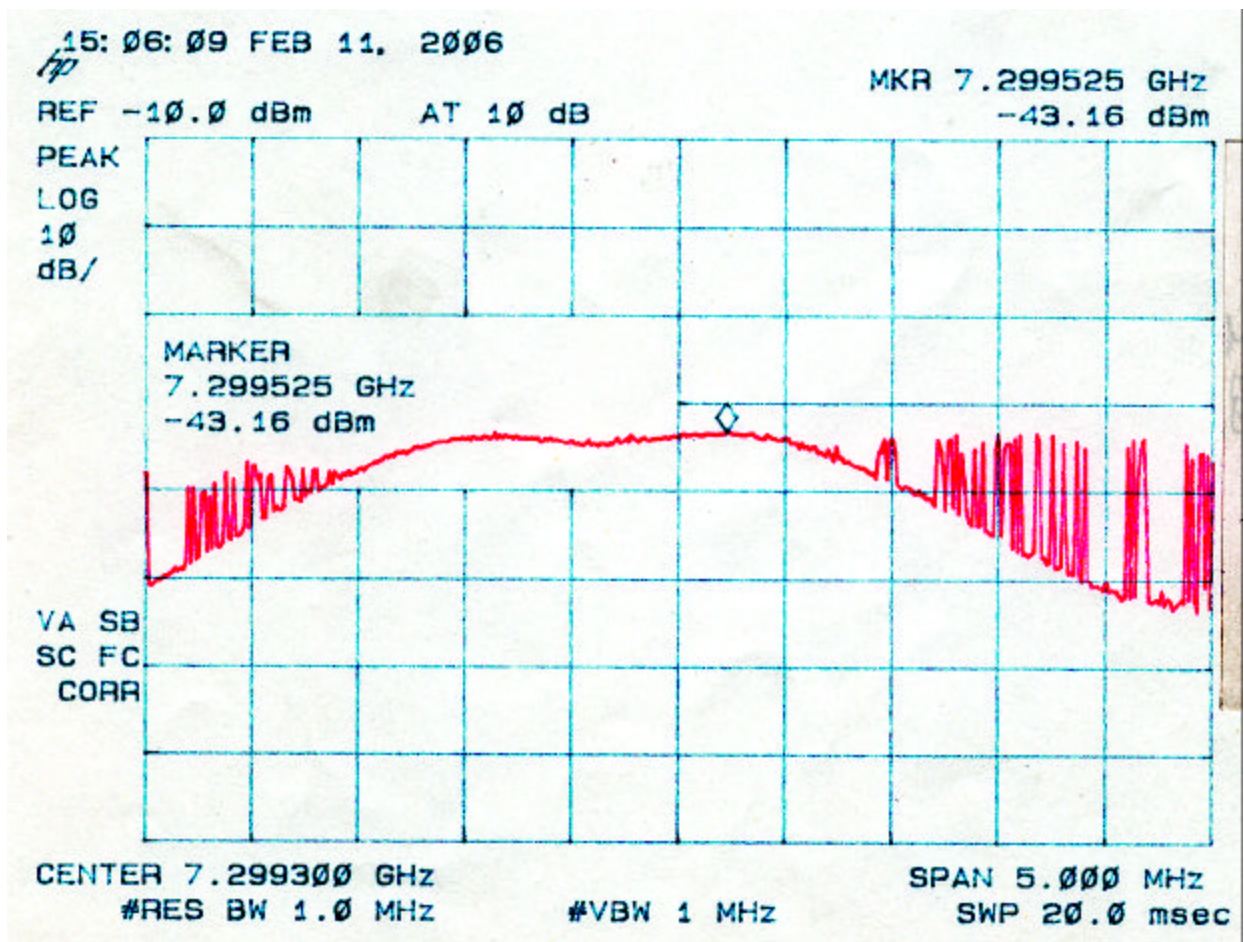


Figure 4h – 4
Peak Radiated Spurious Emission 15.247(c) Mid – Omni Antenna

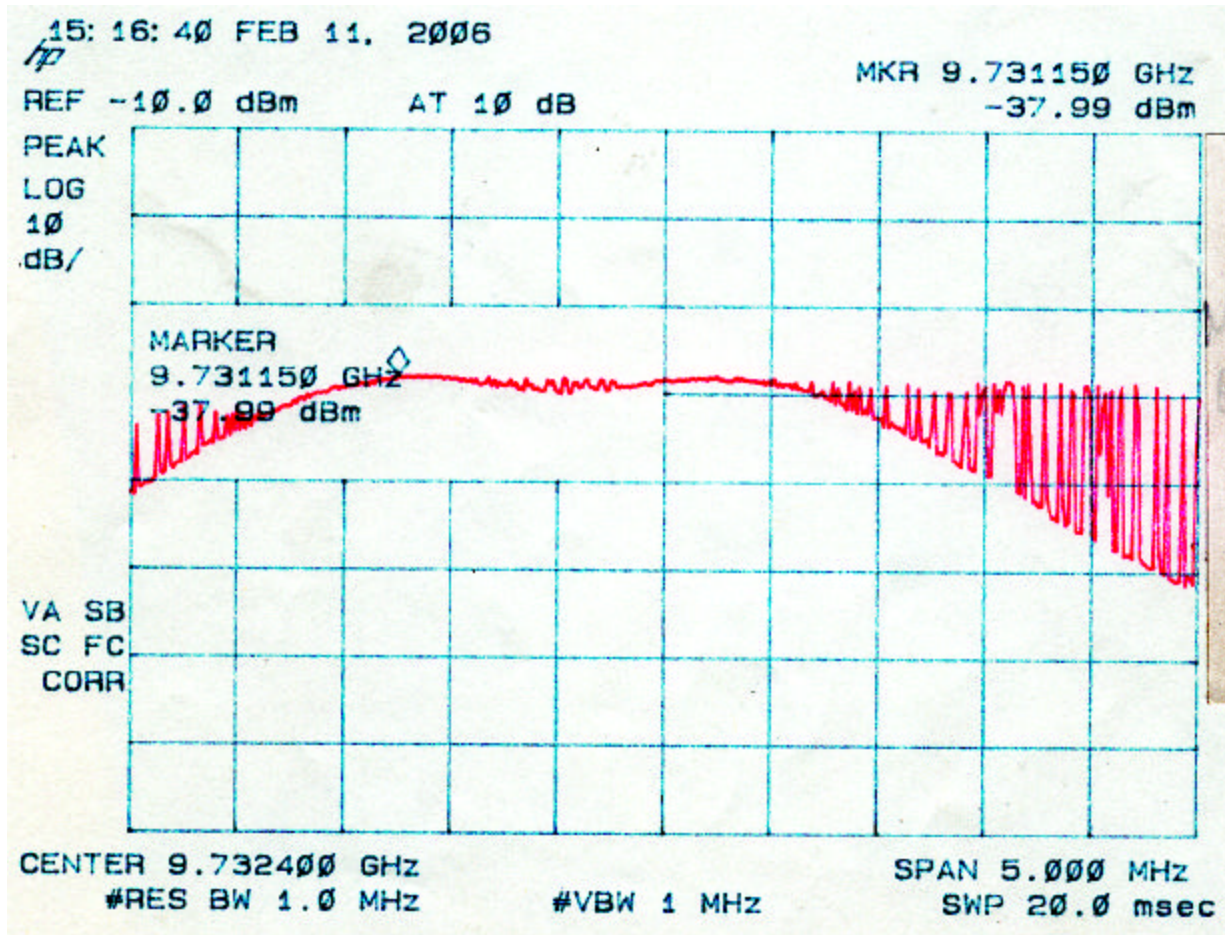


Figure 4h – 5
Peak Radiated Spurious Emission 15.247(c) Mid – Omni Antenna

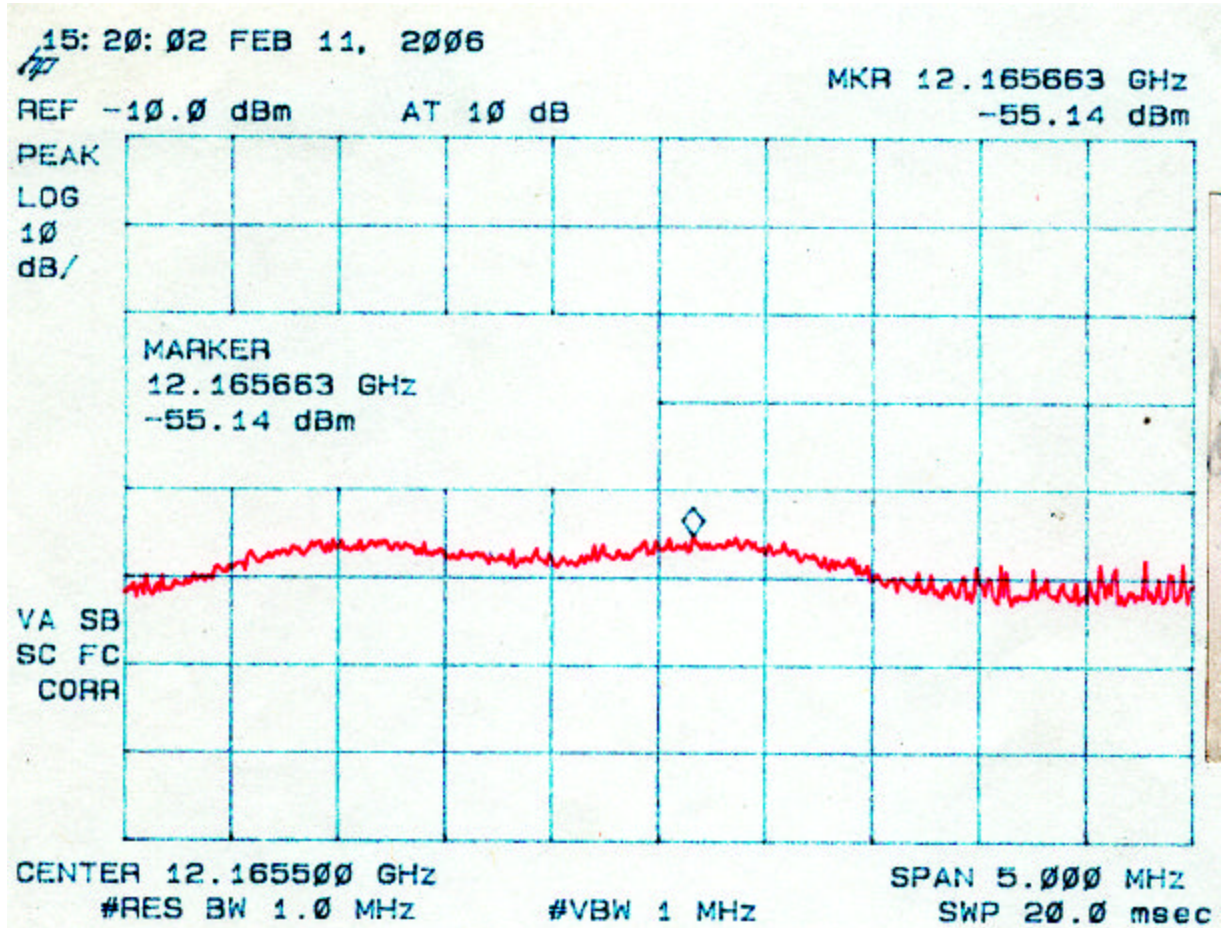


Figure 4h – 6
Peak Radiated Spurious Emission 15.247(c) Mid – Omni Antenna

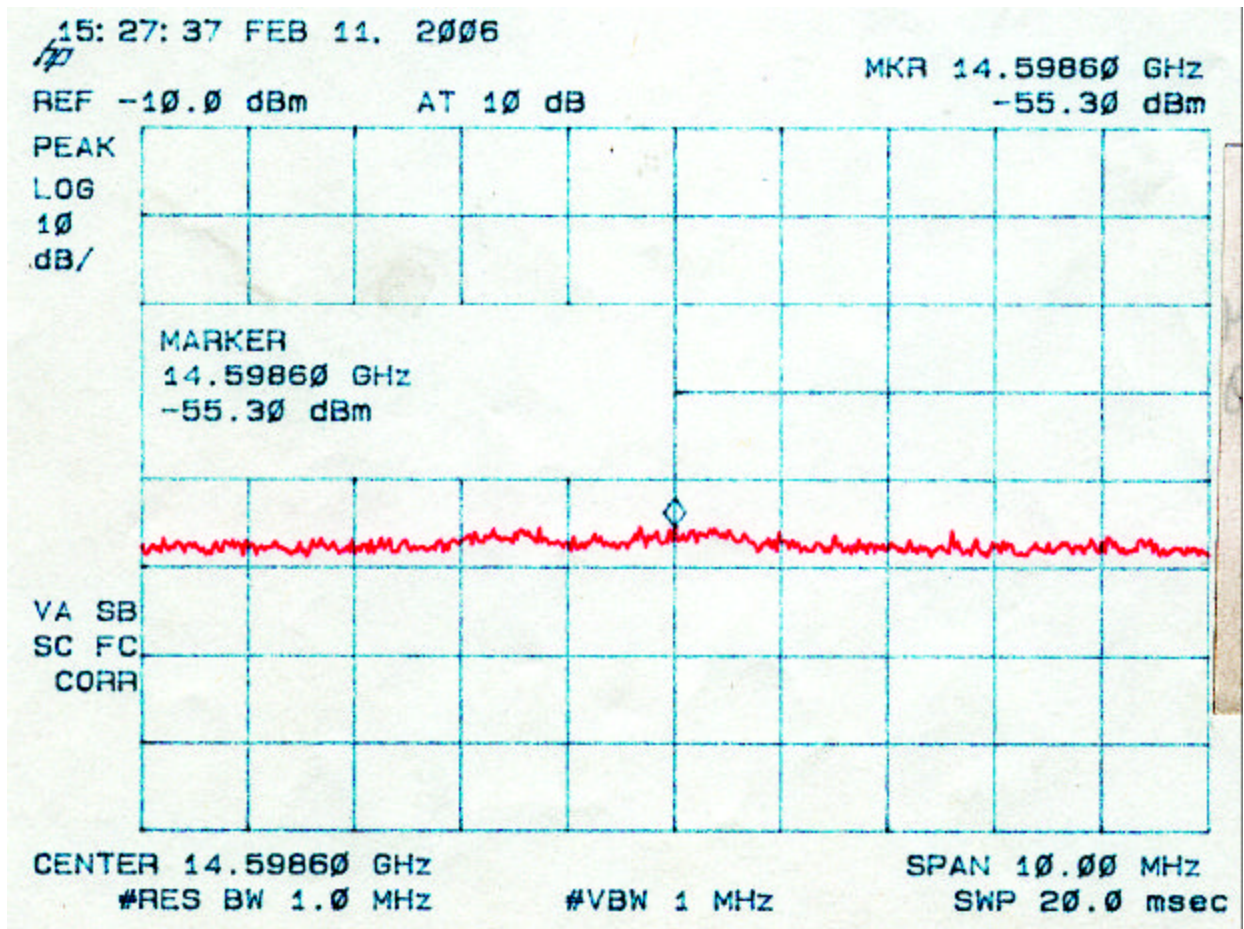


Table 4i. PEAK RADIATED SPURIOUS EMISSIONS (High)
Omni Antenna

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

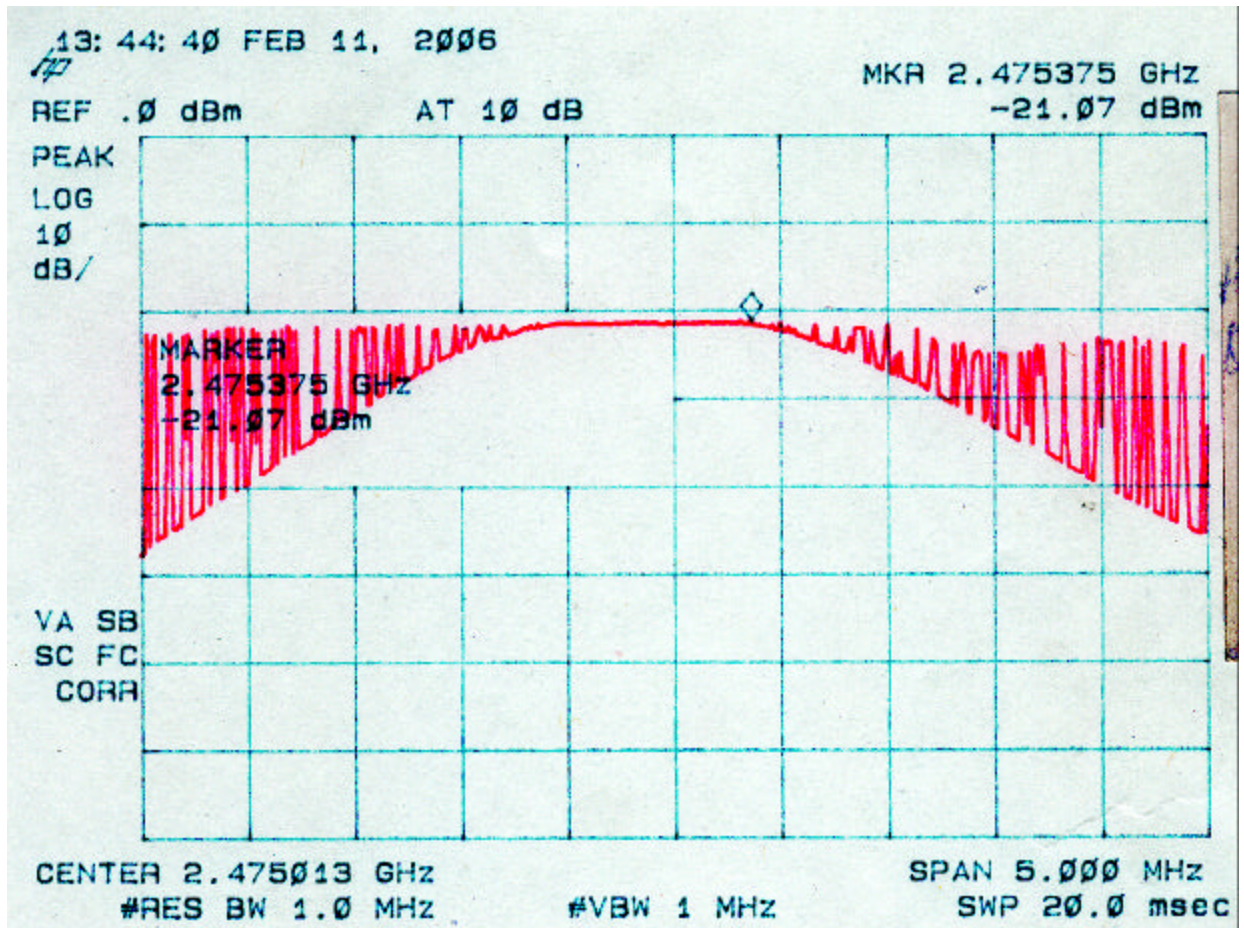


Figure 4i – 2
Peak Radiated Spurious Emission 15.247(c) High– Omni Antenna

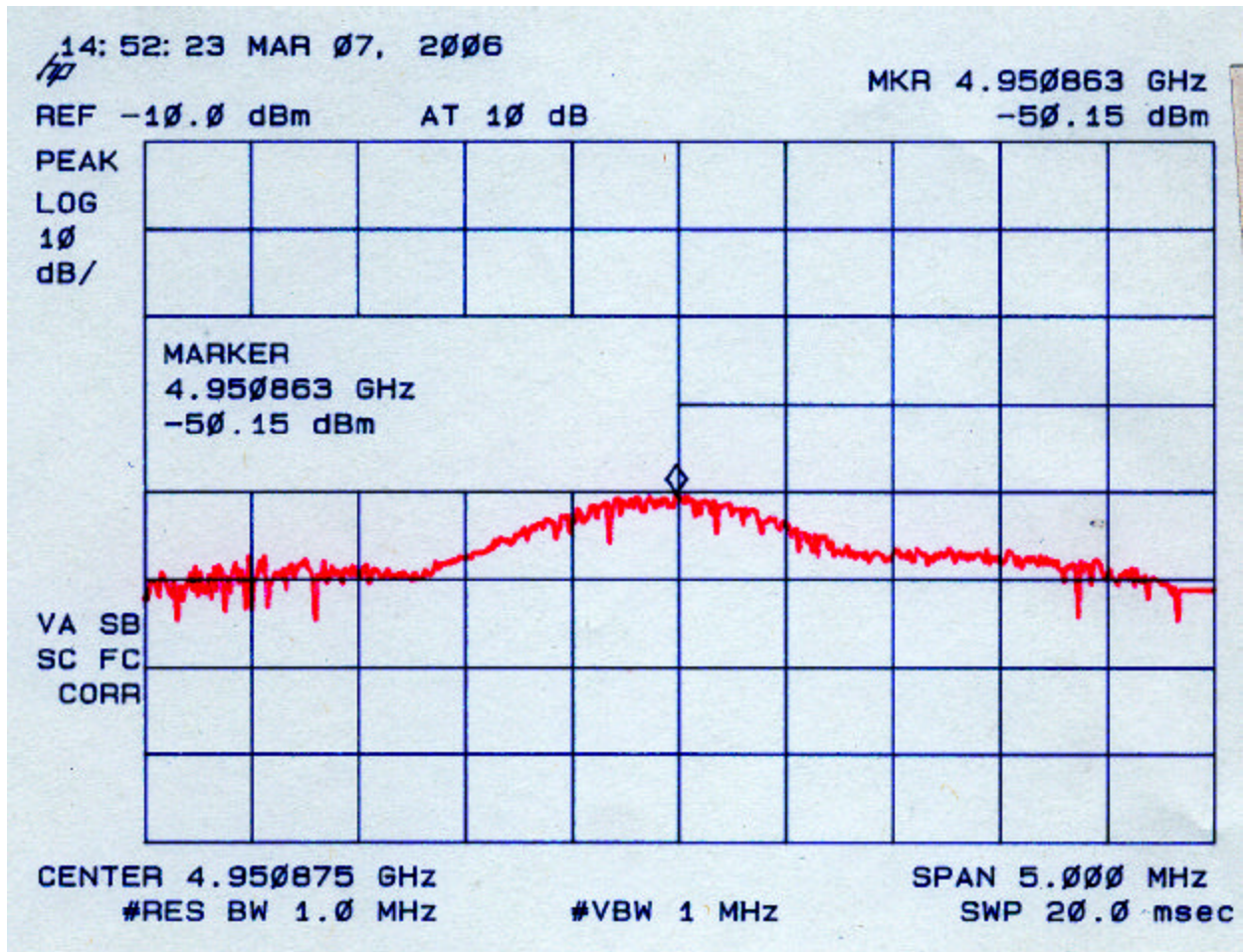


Figure 4i – 3
Peak Radiated Spurious Emission 15.247(c) High– Omni Antenna

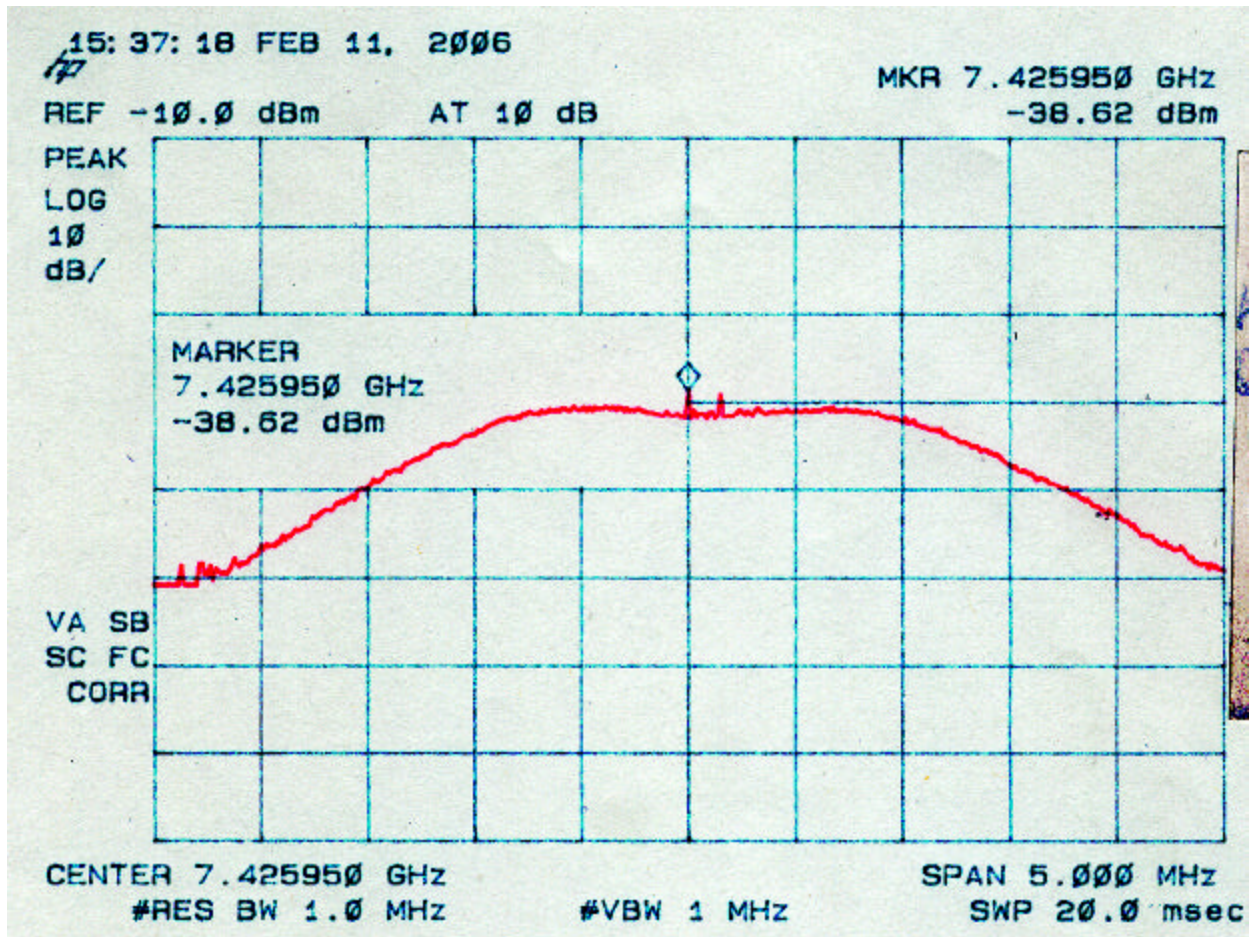


Figure 4i – 4
Peak Radiated Spurious Emission 15.247(c) High– Omni Antenna

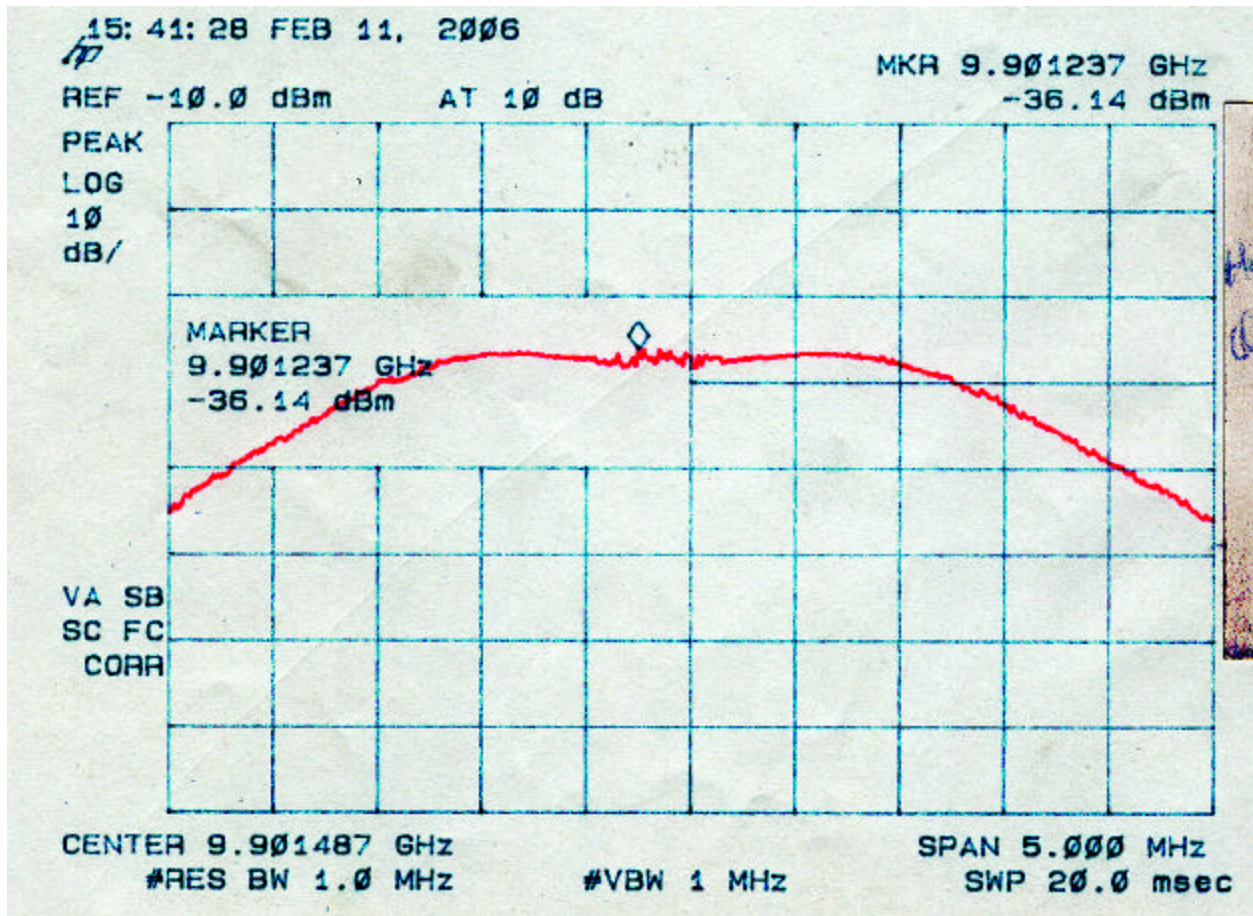


Figure 4i – 5
Peak Radiated Spurious Emission 15.247(c) High– Omni Antenna

