

Figure 4i – 6
Peak Radiated Spurious Emission 15.247(c) High– Omni Antenna

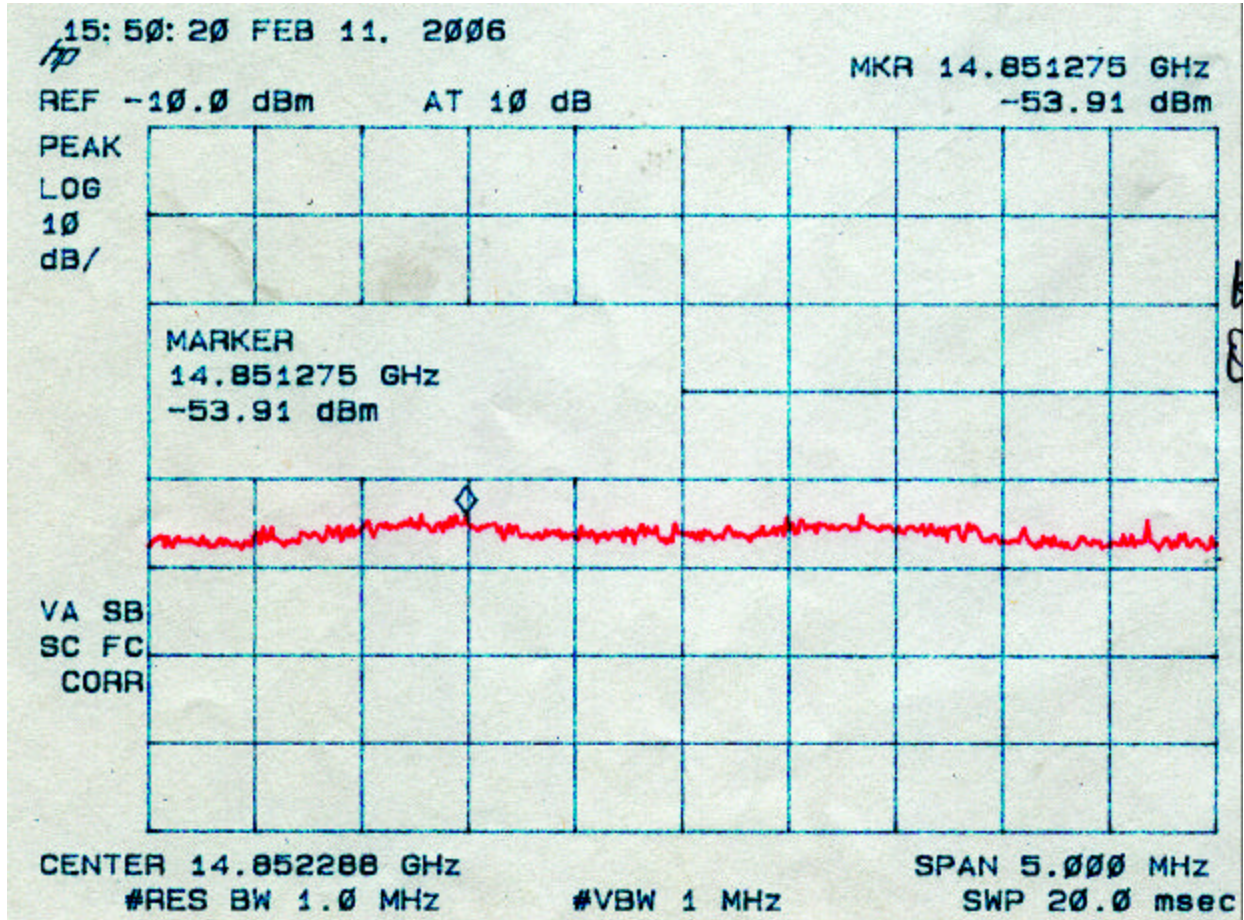


Table 4j. PEAK RADIATED SPURIOUS EMISSIONS (Low)
Whip Gold Plate Antenna

Radiated Spurious Emissions								
Test By:	Test:	Spurious Emissions-Whip Gold Plate 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
2400.30	-17.1	2hn3mh	89.9	31.6	1194606.6			PK
4802.2	-42.9	2hn3mh	64.1	5.4	2999.1	5000.0	4.4	PK
7203.3	-44.6	2hn3mh	62.4	10.7	4521.1	119460.7	28.4	PK**
9604.4	-48.7	2hn3mh	58.3	13.3	3803.3	119460.7	29.9	PK**
12004.7	-68.9	2hn3mh	38.1	18.9	710.3	5000.0	17.0	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 $((-42.9 + 5.4 + 107)/20)$ = 2999.1

CONVERSION FROM dBm TO dBuV = 107 dB

Tester

Signature:



Name: Austin Thompson

Figure 4j – 1
Peak Radiated Spurious Emission 15.247(c) Low Fundamental– Whip Gold Plate Antenna

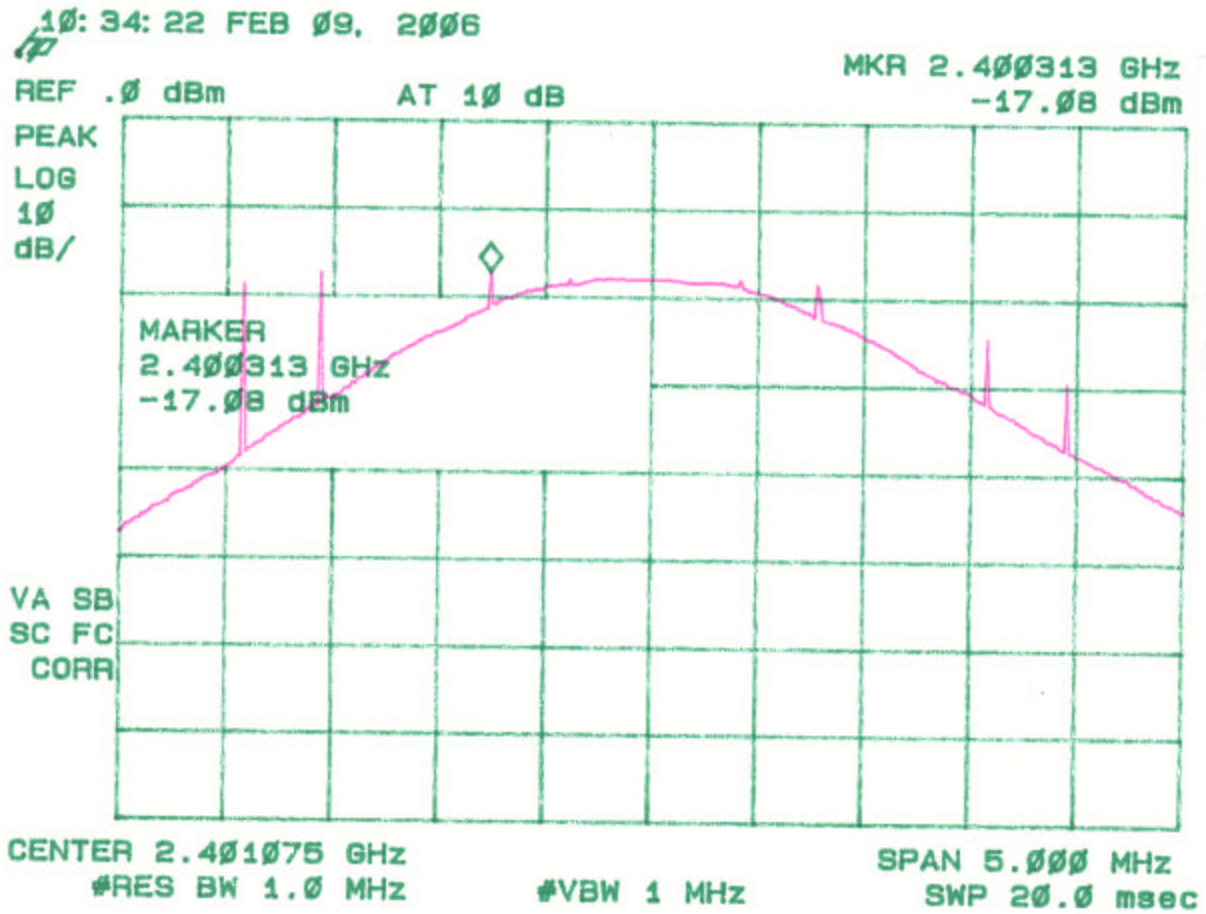


Figure 4j – 2
Peak Radiated Spurious Emission 15.247(c) Low – Whip Gold Plate Antenna

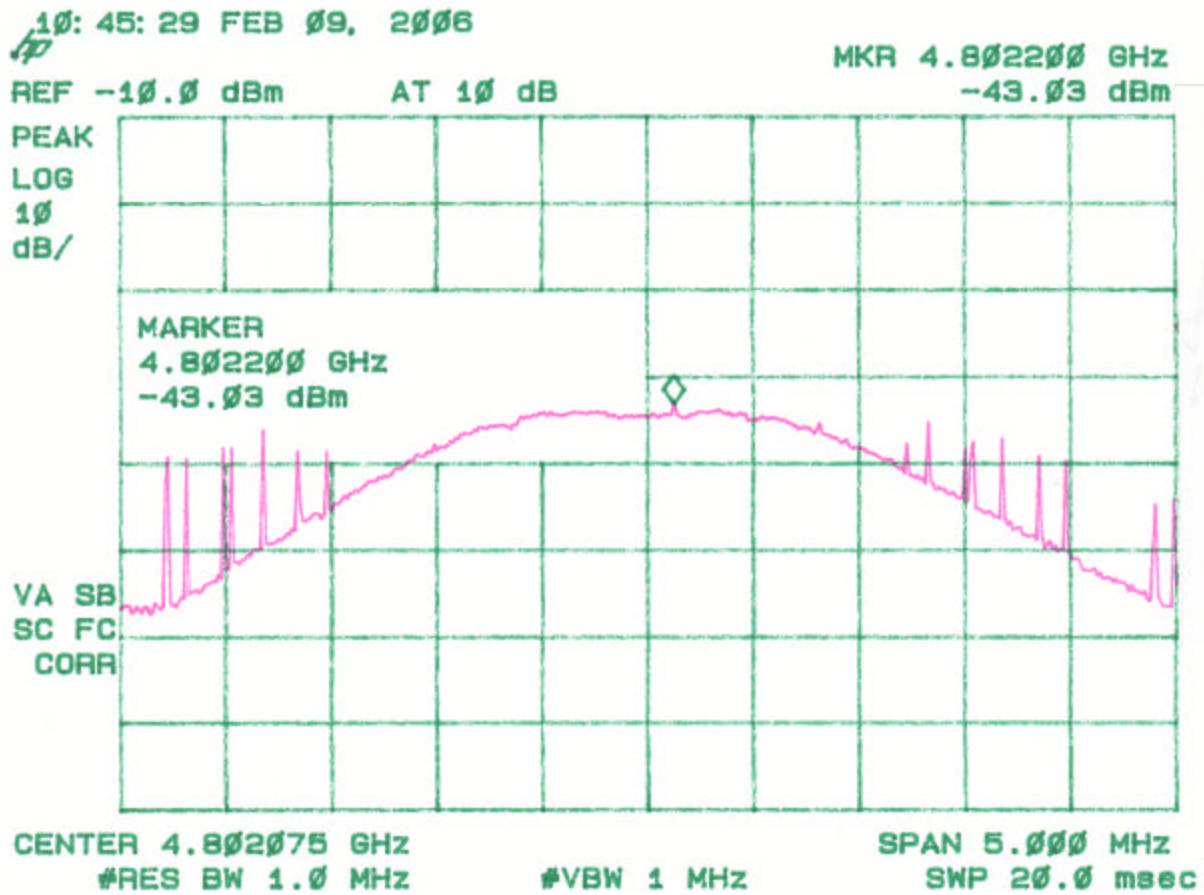


Figure 4j – 3
Peak Radiated Spurious Emission 15.247(c) Low – Whip Gold Plate Antenna

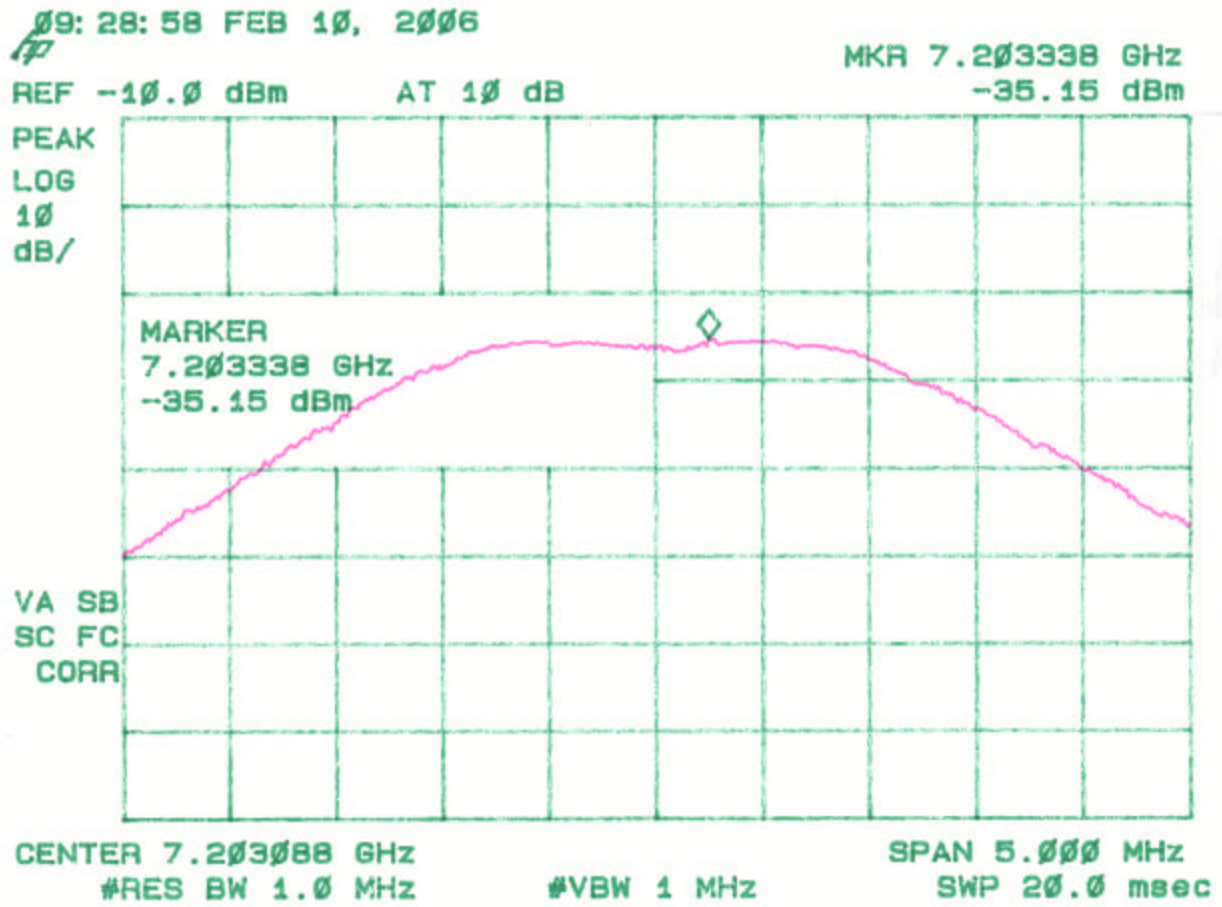


Figure 4j – 4
Peak Radiated Spurious Emission 15.247(c) Low – Whip Gold Plate Antenna

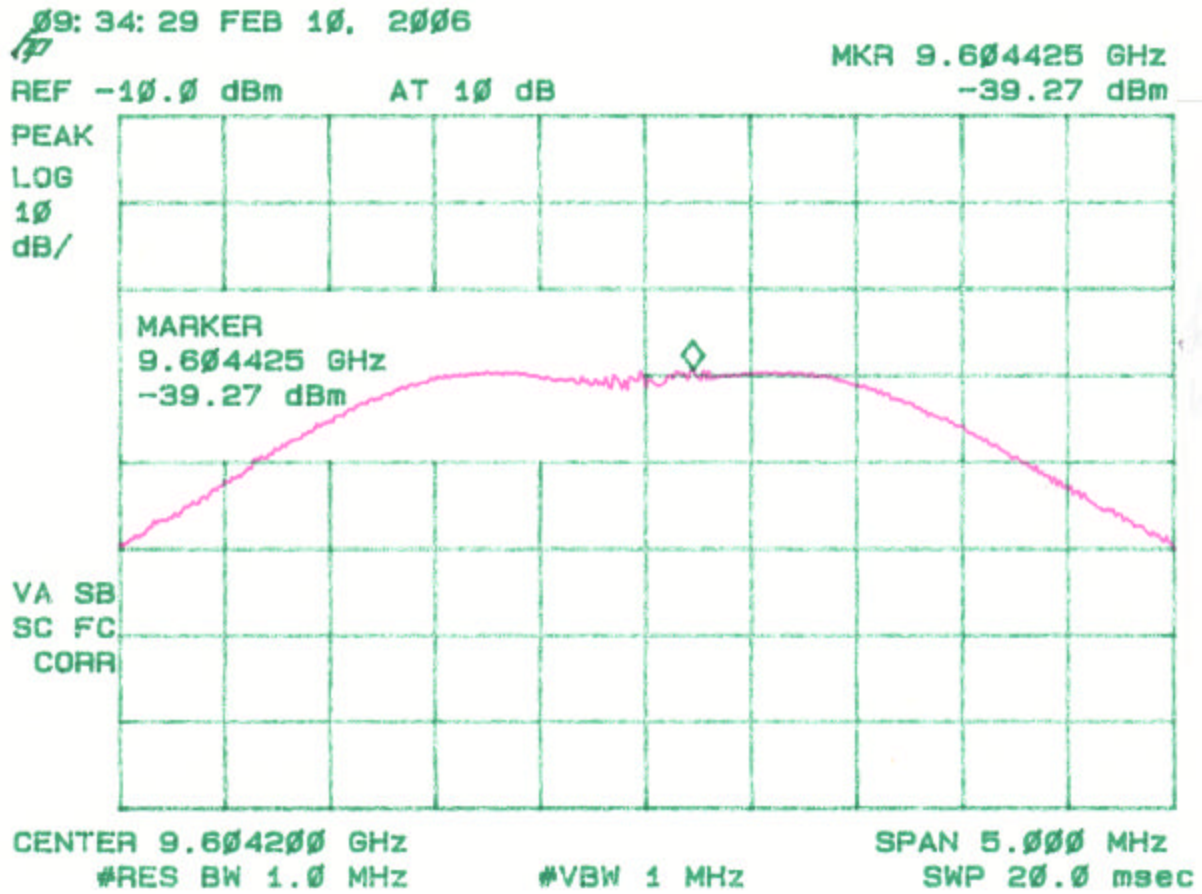


Figure 4j – 5
Peak Radiated Spurious Emission 15.247(c) Low – Whip Gold Plate Antenna

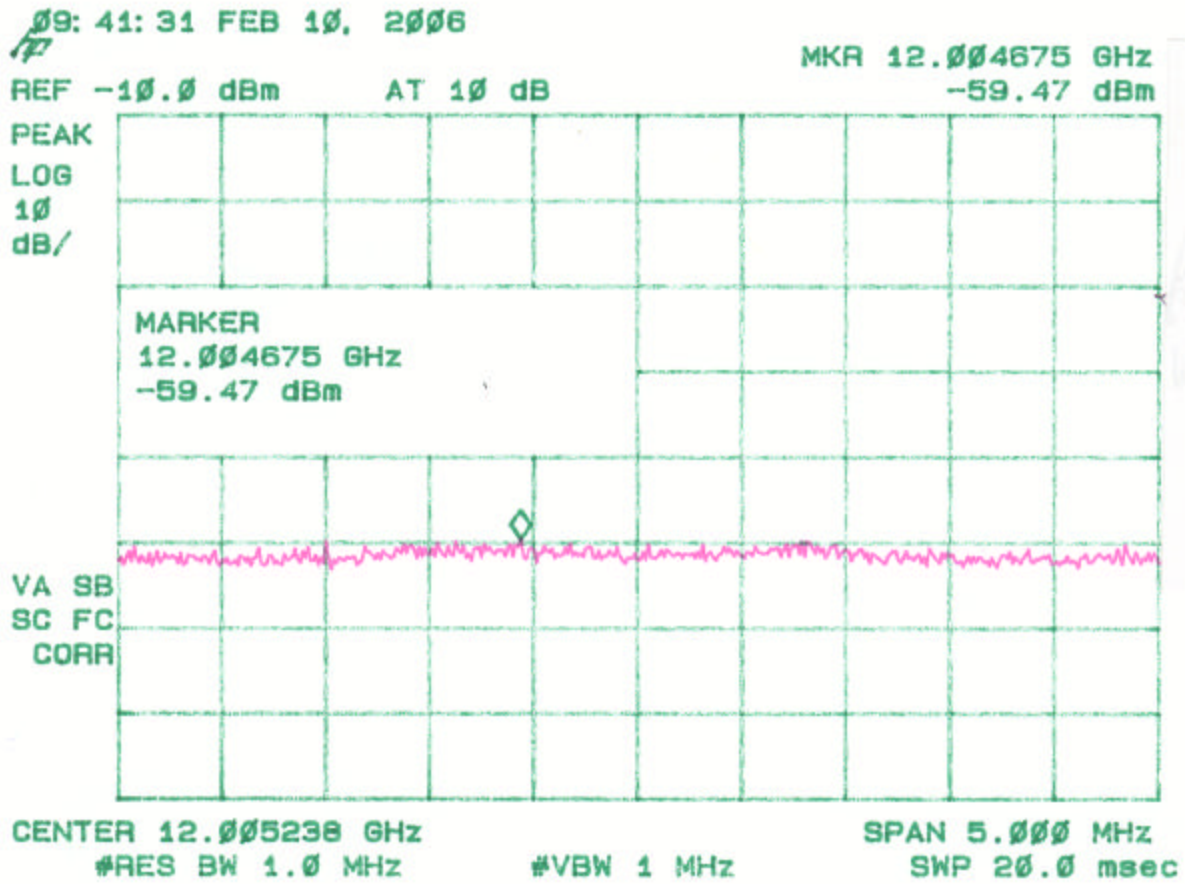


Table 4k. PEAK RADIATED SPURIOUS EMISSIONS (Mid)
Whip Gold Plate Antenna

Radiated Spurious Emissions								
Test By:	Test:	Spurious Emissions-Whip Gold Plate 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	-20.5	2hn3mh	86.5	31.7	809991.6			PK
4866.6	-44.4	2hn3mh	62.6	5.7	2590.5	5000.0	5.7	PK
7299.47	-55.6	2hn3mh	51.4	10.8	1295.6	5000.0	11.7	PK**
9732.6	-50.9	2hn3mh	56.1	13.5	3004.2	80999.2	28.6	PK**
12165.5	-67.4	2hn3mh	39.6	19.2	875.9	5000.0	15.1	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 ((-44.4 + 5.7 + 107)/20) = 2590.5

CONVERSION FROM dBm TO dBuV = 107 dB

Tester

Signature: _____



Name: Austin Thompson

Figure 4k – 1

Peak Radiated Spurious Emission 15.247(c) Fundamental Mid – Whip Gold Plate Antenna

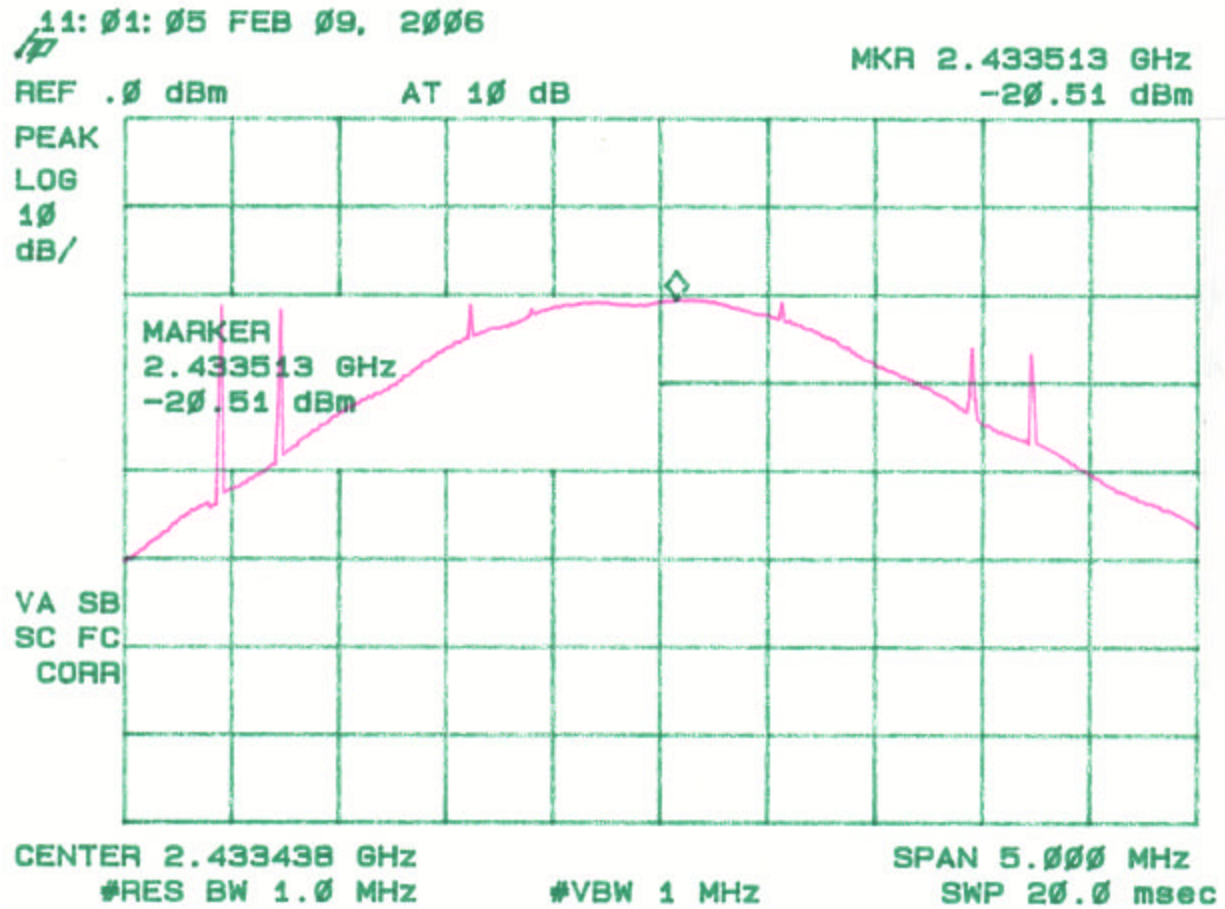


Figure 4k – 2
Peak Radiated Spurious Emission 15.247(c) Mid – Whip Gold Plate Antenna

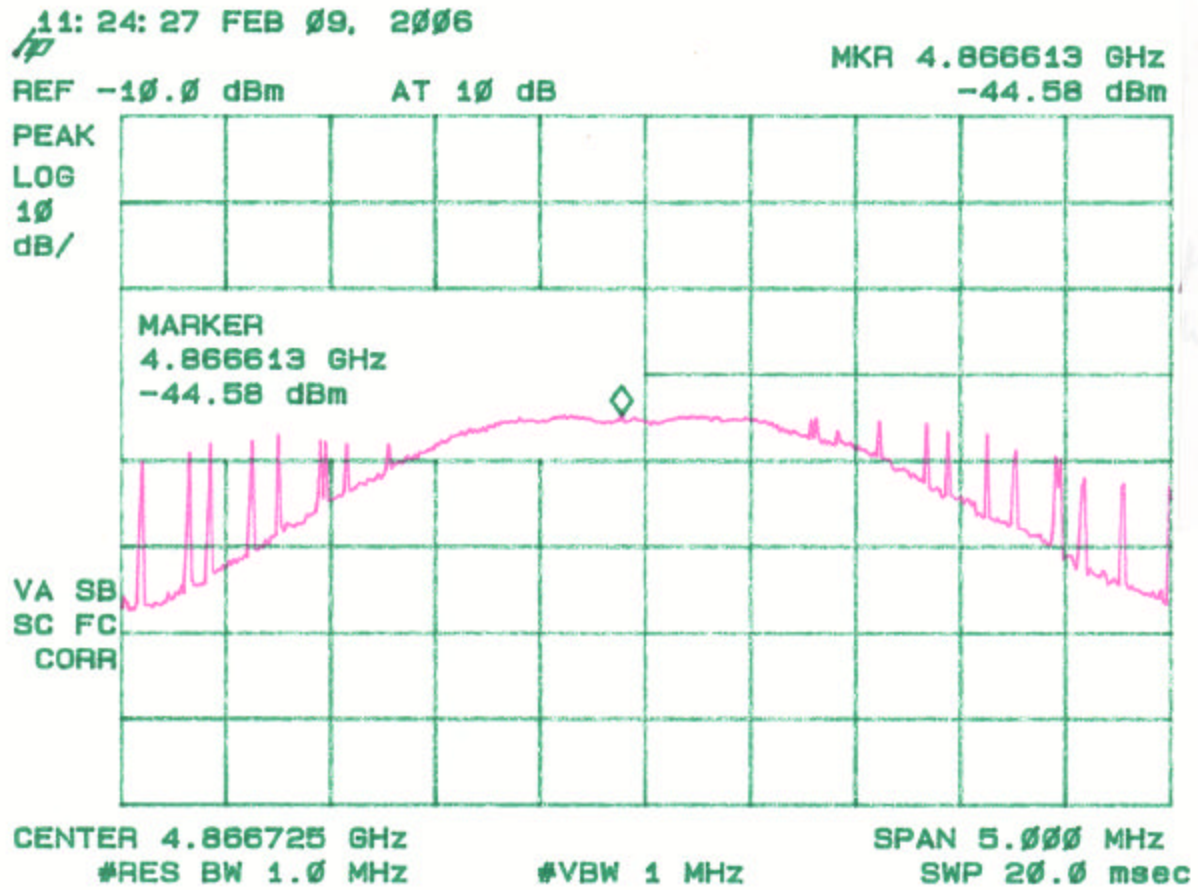


Figure 4k – 3
Peak Radiated Spurious Emission 15.247(c) Mid – Whip Gold Plate Antenna

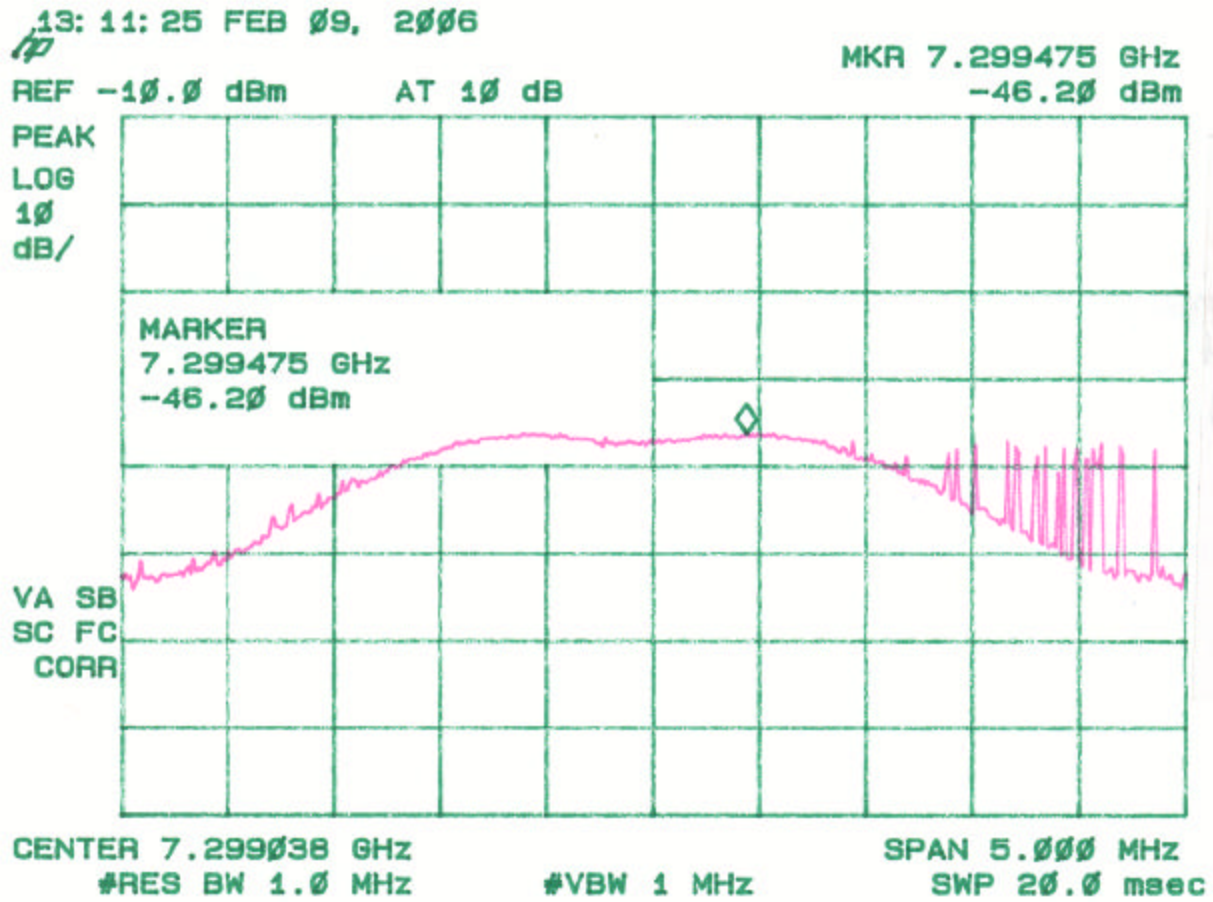


Figure 4k – 4
Peak Radiated Spurious Emission 15.247(c) Mid – Whip Gold Plate Antenna

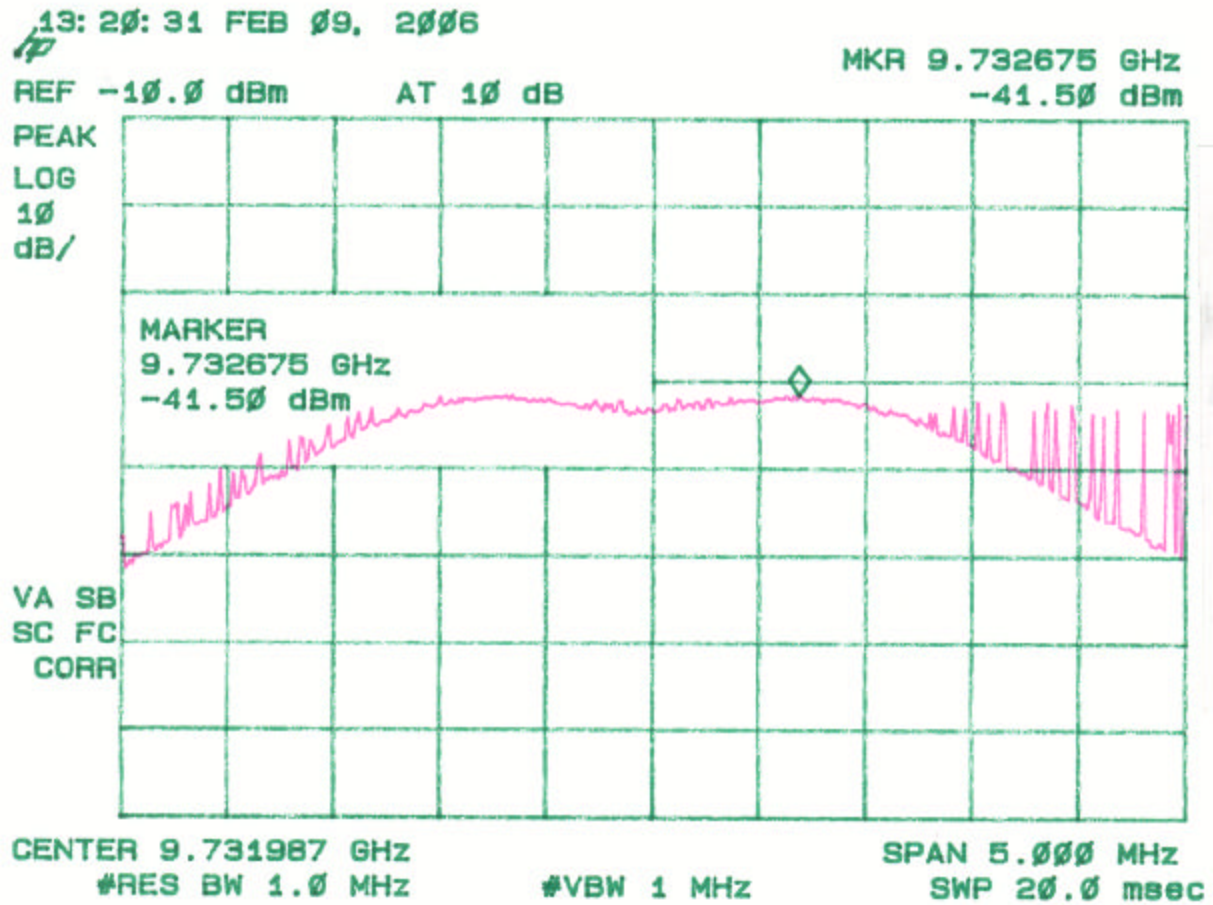


Figure 4k – 5
Peak Radiated Spurious Emission 15.247(c) Mid – Whip Gold Plate Antenna

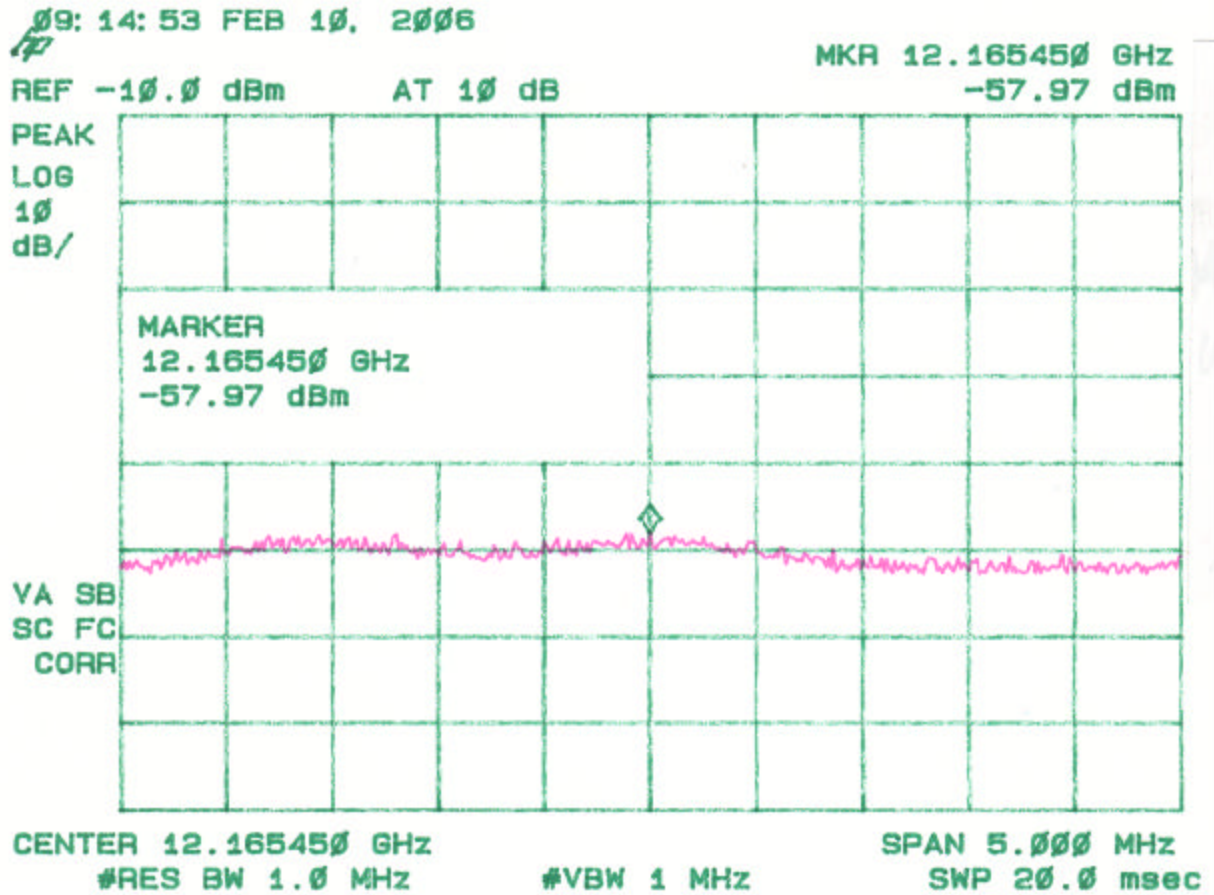


Table 4I. PEAK RADIATED SPURIOUS EMISSIONS (High)
Whip Gold Plate Antenna

Radiated Spurious Emissions								
Test By:	Test:	Spurious Emissions-Whip Gold Plate 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
2475.50	-21.9	2hn3mh	85.1	31.7	694970.7			PK
4950.7	-46.8	2hn3mh	60.2	6.0	2033.6	5000.0	7.8	PK
7425.6	-49.4	2hn3mh	57.6	11.0	2703.5	5000.0	5.3	PK**
9902.1	-51.2	2hn3mh	55.8	13.7	2969.8	69497.1	27.4	PK**
12377.6	-62.3	2hn3mh	44.7	19.7	1654.1	5000.0	9.6	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 ((-46.8 + 6.0 + 107)/20) = 2033.6

CONVERSION FROM dBm TO dBuV = 107 dB

Tester

Signature: _____



Name: Austin Thompson

Figure 4I – 1
Peak Radiated Spurious Emission 15.247(c) High Fundamental – Whip Gold Plate Antenna

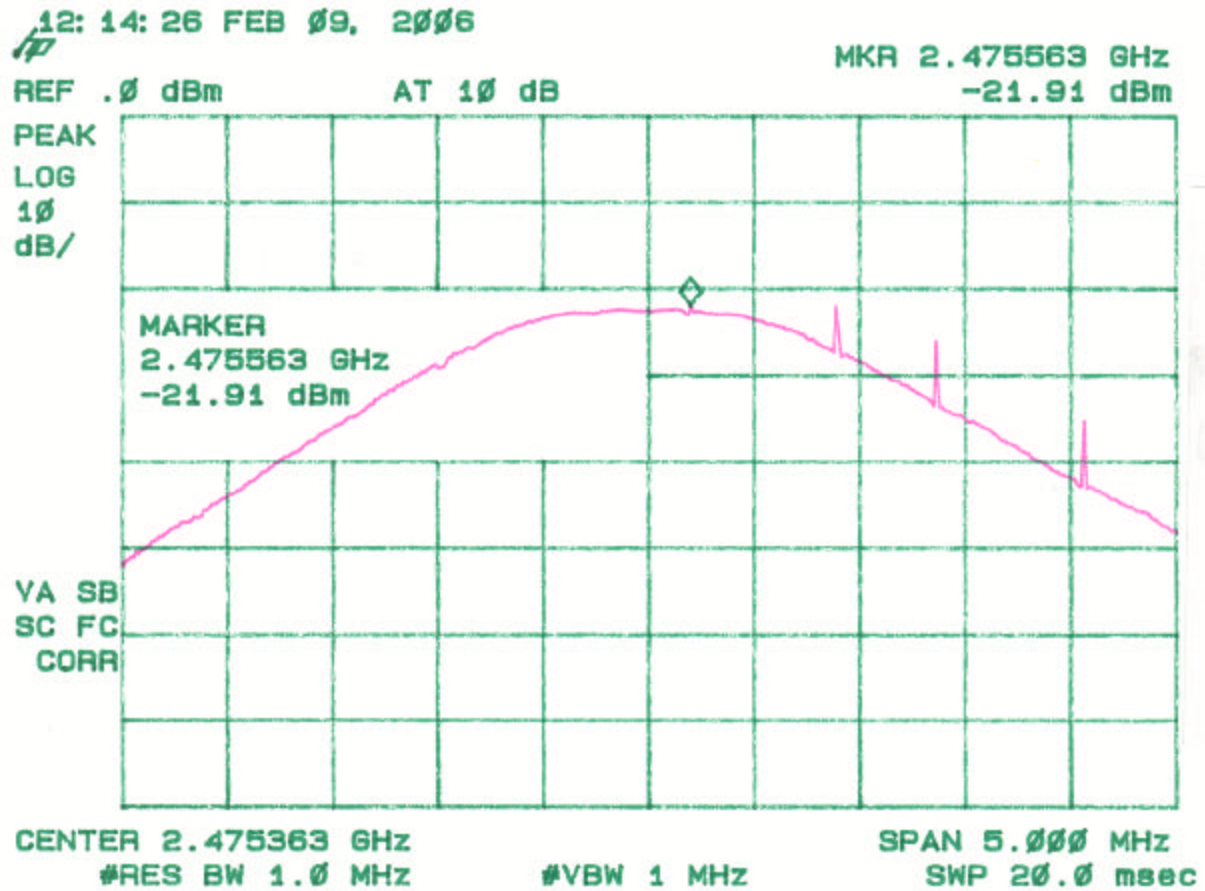


Figure 4I – 2
Peak Radiated Spurious Emission 15.247(c) High Whip Gold Plate Antenna

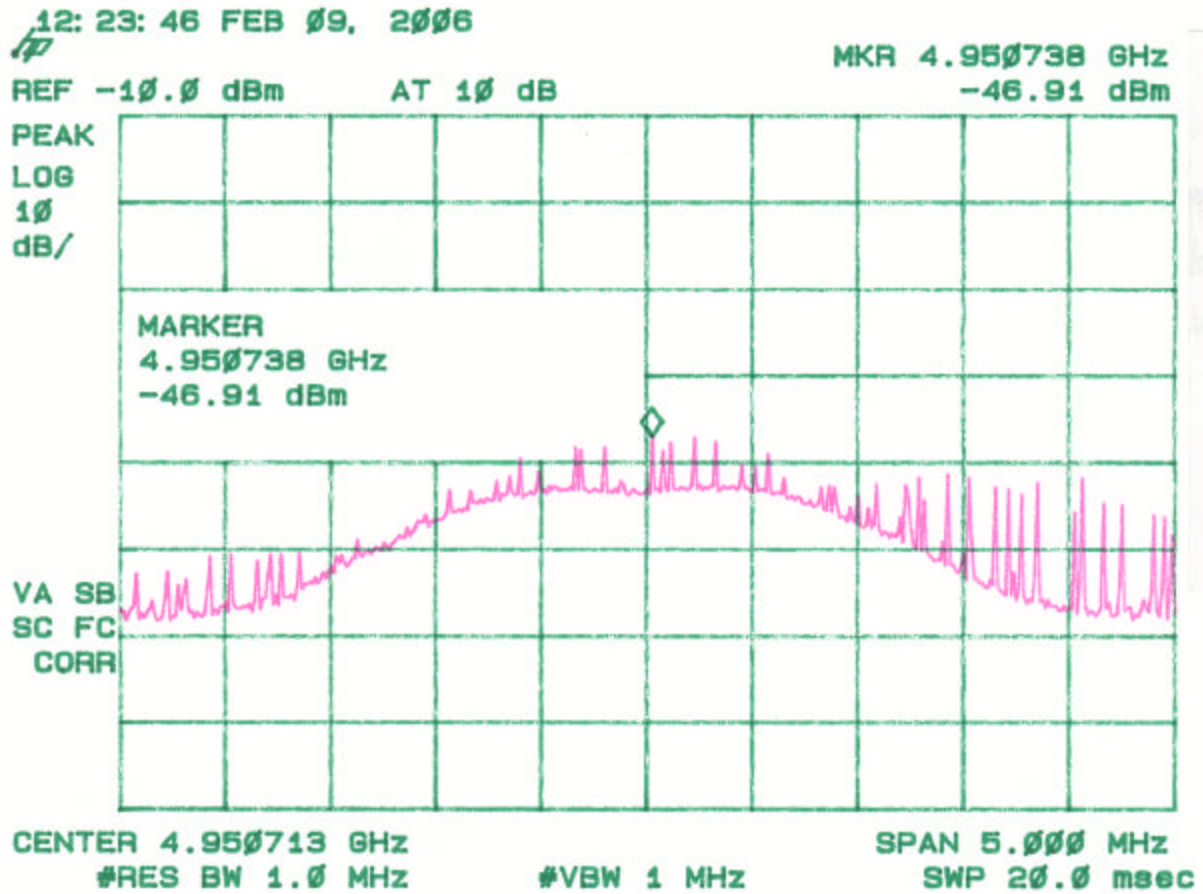


Figure 4I – 3
Peak Radiated Spurious Emission 15.247(c) High Whip Gold Plate Antenna

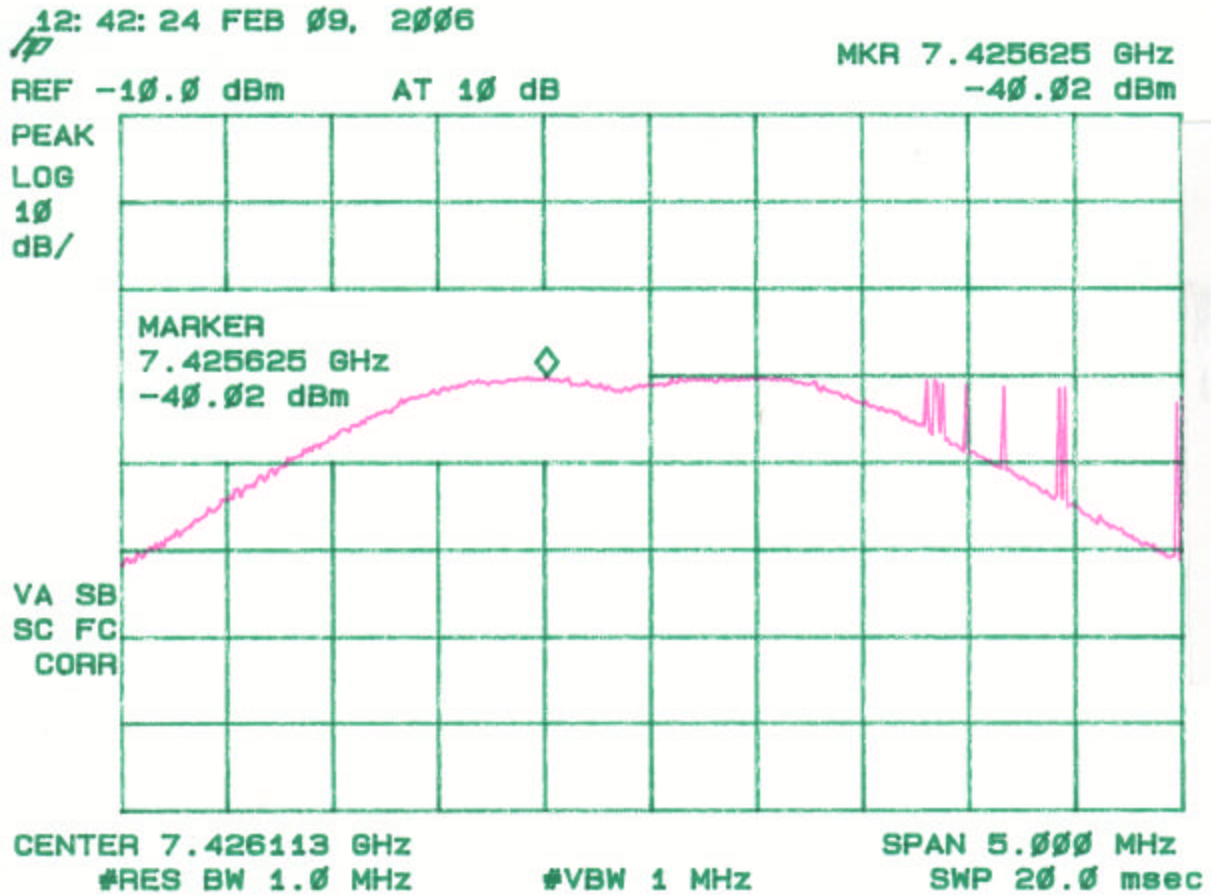


Figure 4I – 4
Peak Radiated Spurious Emission 15.247(c) High Whip Gold Plate Antenna

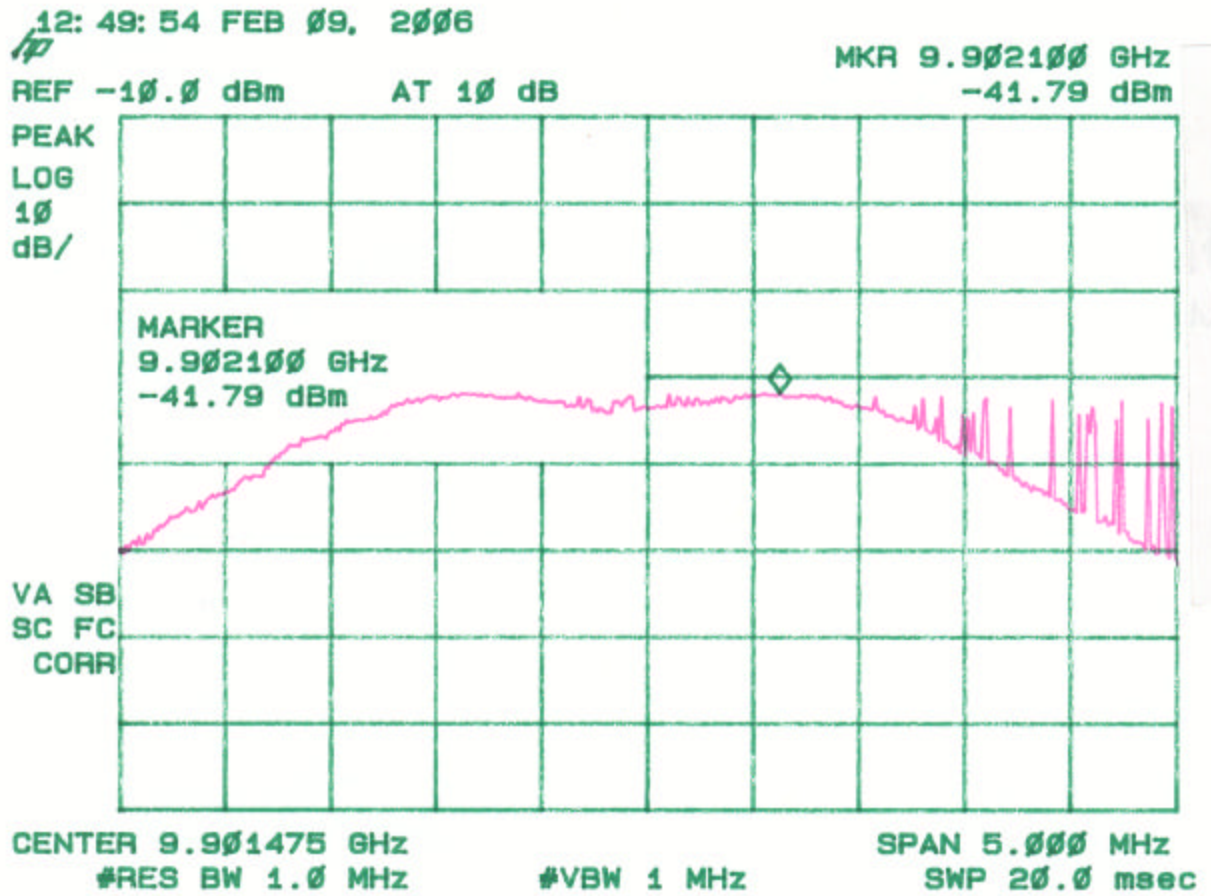


Figure 4I – 5
Peak Radiated Spurious Emission 15.247(c) High Whip Gold Plate Antenna

