

Table 4d. PEAK RADIATED SPURIOUS EMISSIONS (Low)
Corner Reflector Antenna

Radiated Spurious Emissions								
Test By:	Test:	Spurious Emissions-Corner 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
2400.98	-16.0	2hn3mh	91.0	31.6	1354507.3			PK
4801.94	-56.7	2hn3mh	50.3	5.4	612.3	5000.0	18.2	PK
7203.6	-49.1	2hn3mh	57.9	10.7	2693.2	135450.7	34.0	PK**
9603.99	-48.6	2hn3mh	58.4	13.3	3847.1	135450.7	30.9	PK**
12004.5	-68.0	2hn3mh	39.0	18.9	787.9	5000.0	16.1	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 ((-56.7+ 5.4 + 107)/20) = 612.3

CONVERSION FROM dBm TO dBuV = 107 dB

Tester

Signature: _____



Name: Austin Thompson

Figure 4d - 1
Peak Radiated Spurious Emission 15.247(c) Fundamental Low – Corner Reflector Antenna

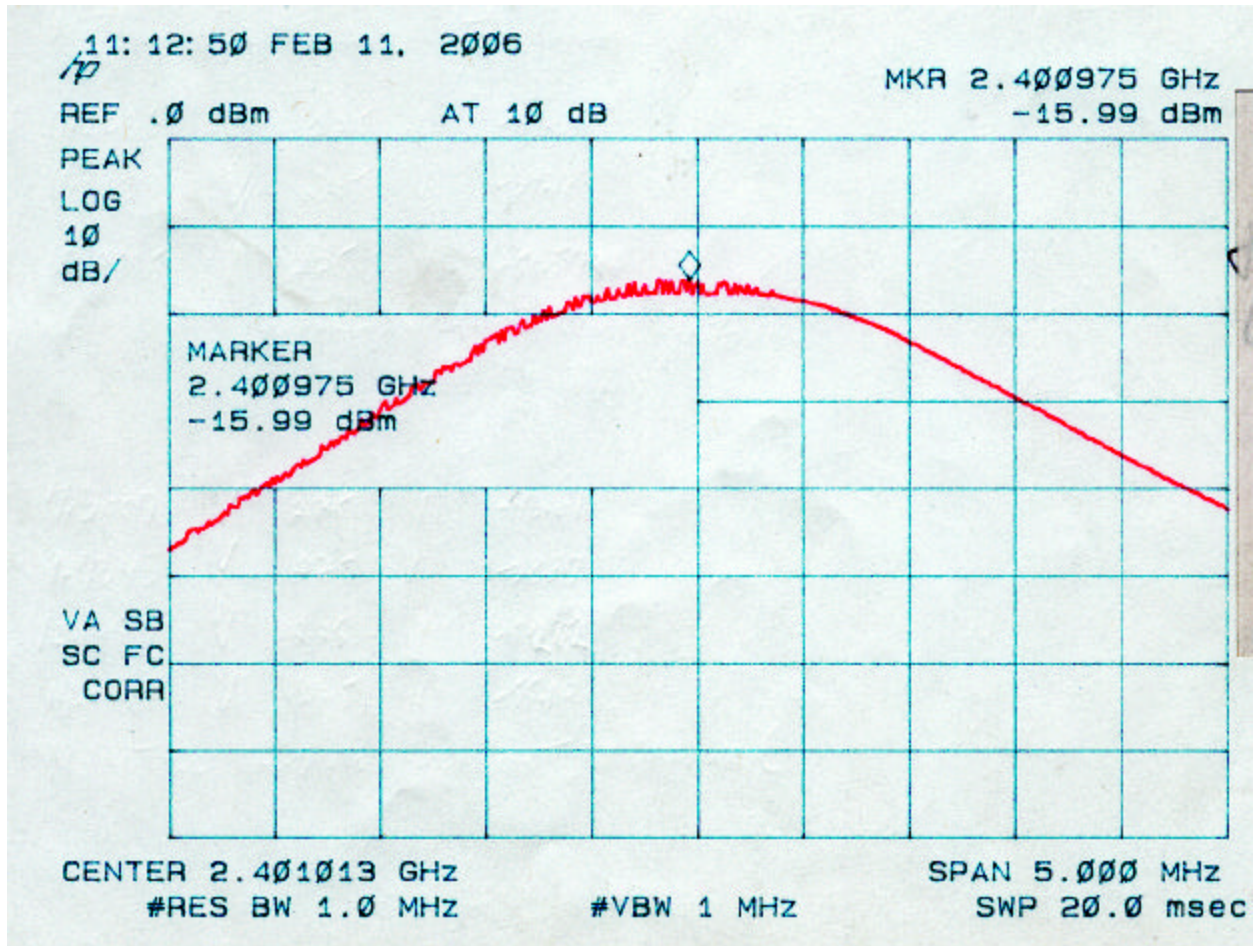


Figure 4d - 2
Peak Radiated Spurious Emission 15.247(c) Low – Corner Reflector Antenna

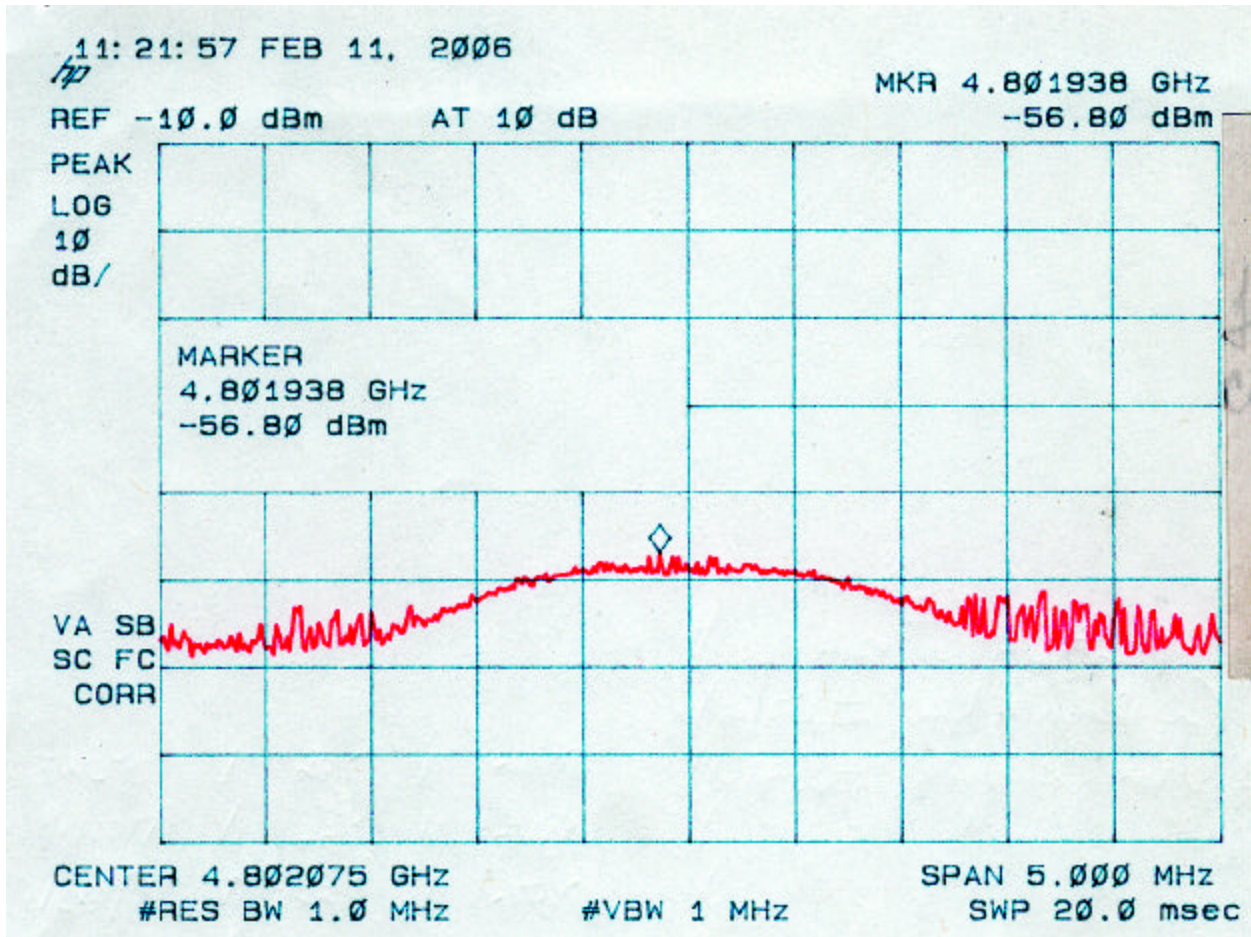


Figure 4d - 3
Peak Radiated Spurious Emission 15.247(c) Low – Corner Reflector Antenna

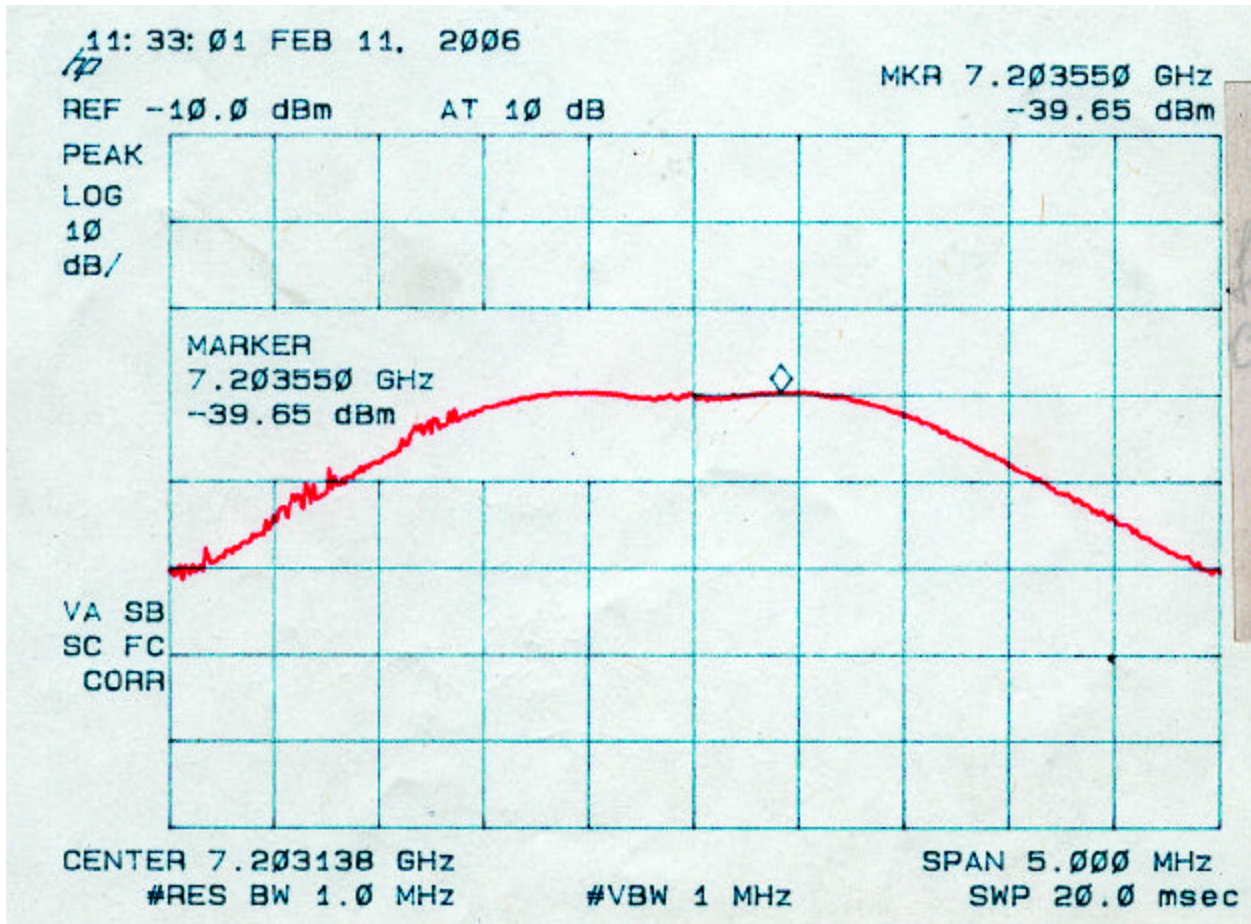


Figure 4d - 4
Peak Radiated Spurious Emission 15.247(c) Low – Corner Reflector Antenna

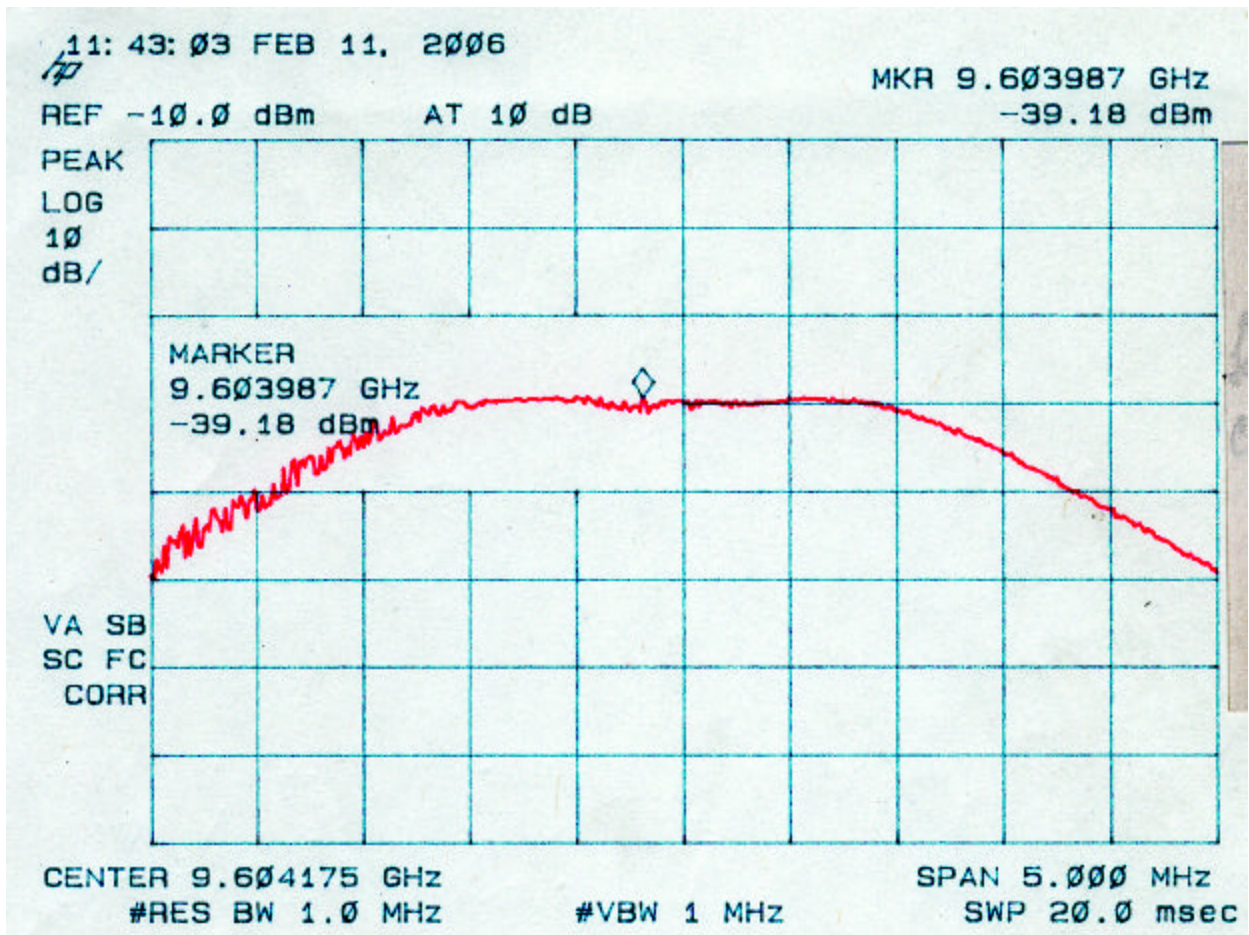
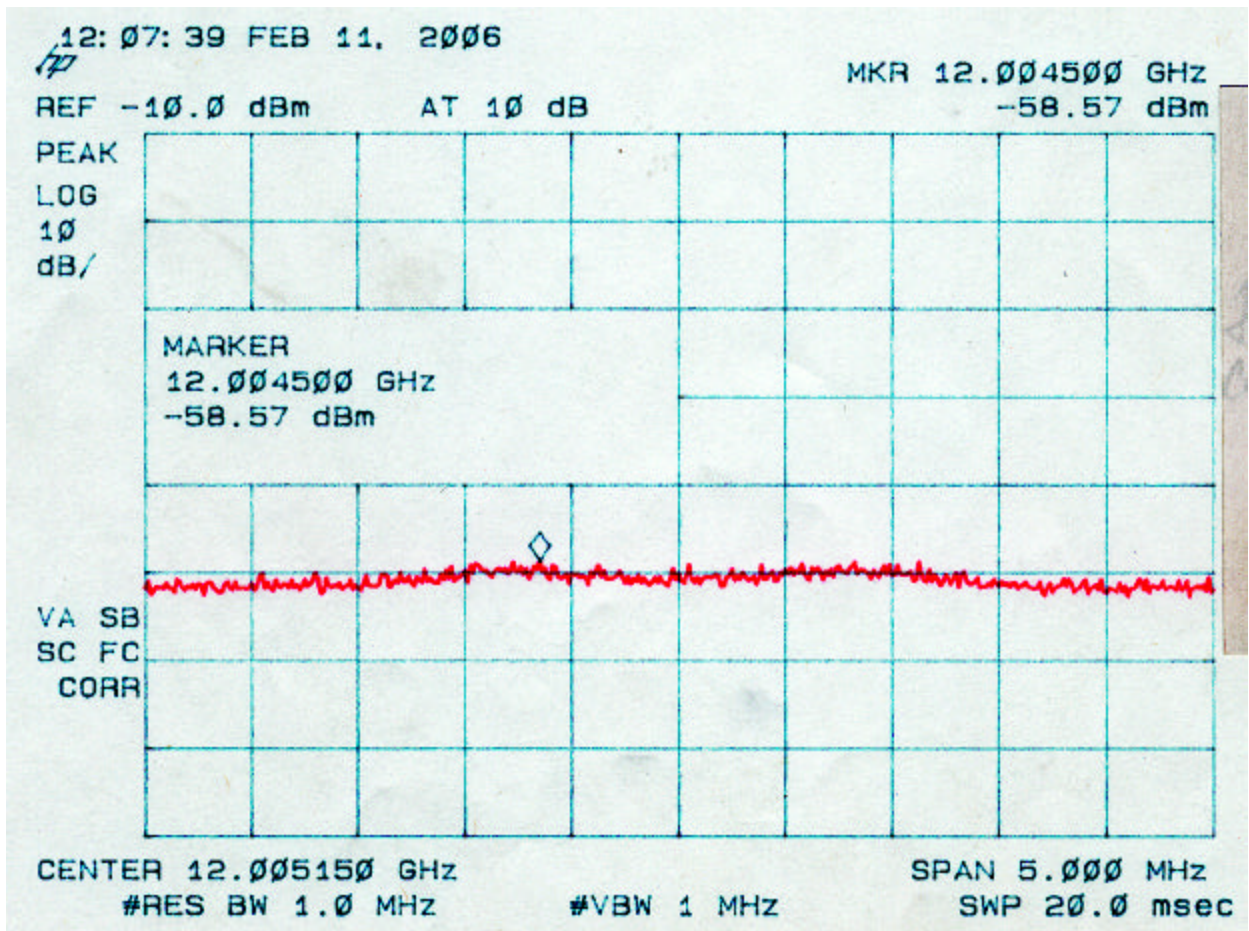


Figure 4d - 5
Peak Radiated Spurious Emission 15.247(c) Low – Corner Reflector Antenna



**Table 4e. PEAK RADIATED SPURIOUS EMISSIONS (Mid)
Corner Reflector Antenna**

Radiated Spurious Emissions								
Test By:	Test:	Spurious Emissions-Corner 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	-19.5	2hn3mh	87.5	31.7	907779.8			PK
4866.7	-48.7	2hn3mh	58.3	5.7	1579.1	5000.0	10.0	PK
7300.7	-53.1	2hn3mh	53.9	10.9	1728.0	5000.0	9.2	PK**
9734.3	-48.3	2hn3mh	58.7	13.5	4053.4	90778.0	27.0	PK**
12165.9	-61.5	2hn3mh	45.5	19.3	1727.9	5000.0	9.2	PK**
14599.5	-64.6	2hn3mh	42.4	22.8	1822.3	90778.0	33.9	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 ((-48.7 + 5.7 + 107)/20) = 1579.1

CONVERSION FROM dBm TO dBuV = 107 dB

Tester

Signature: _____



Name: Austin Thompson

Figure 4e – 1
Peak Radiated Spurious Emission 15.247(c) Fundamental Mid – Corner Reflector Antenna

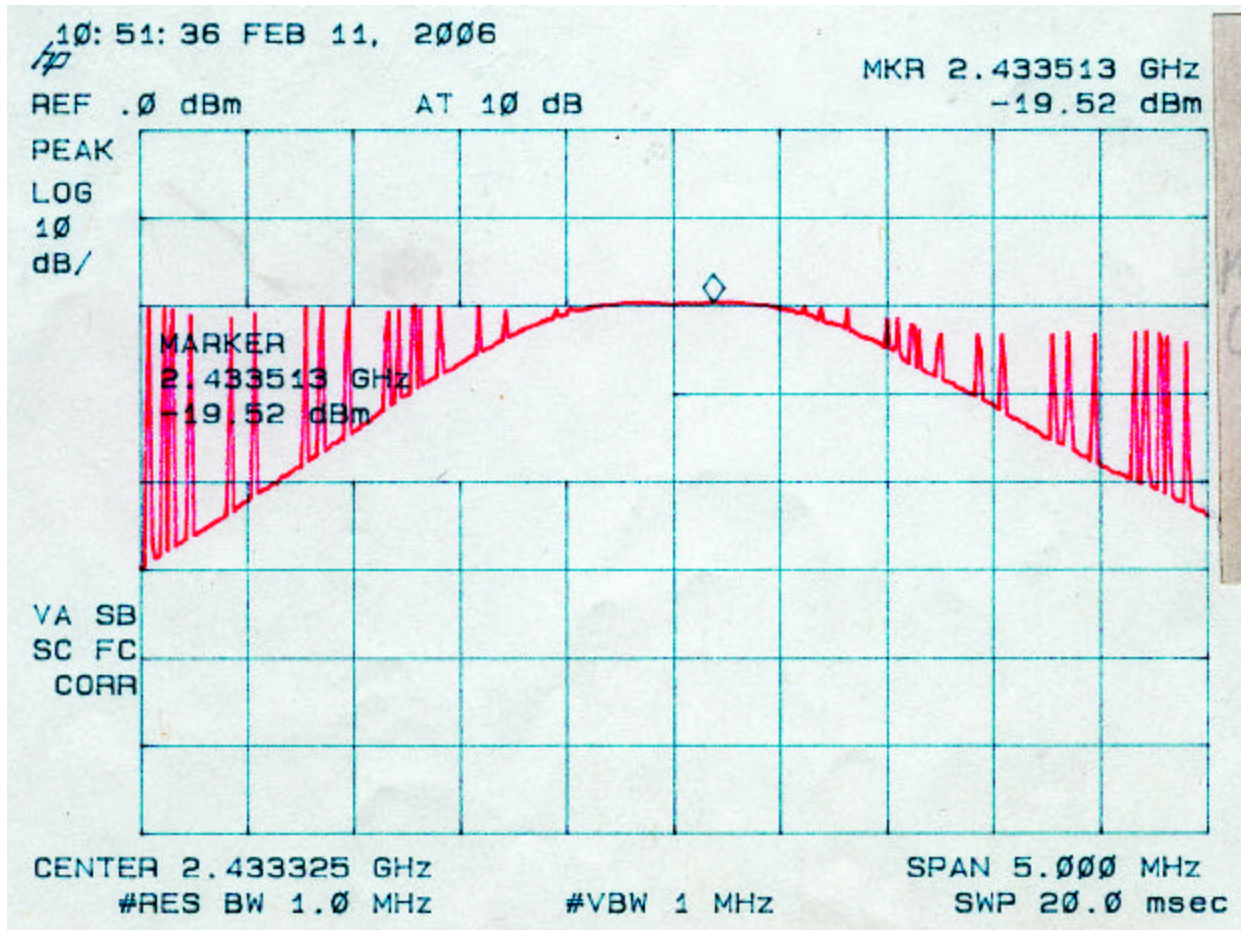


Figure 4e – 2
Peak Radiated Spurious Emission 15.247(c) Mid – Corner Reflector Antenna

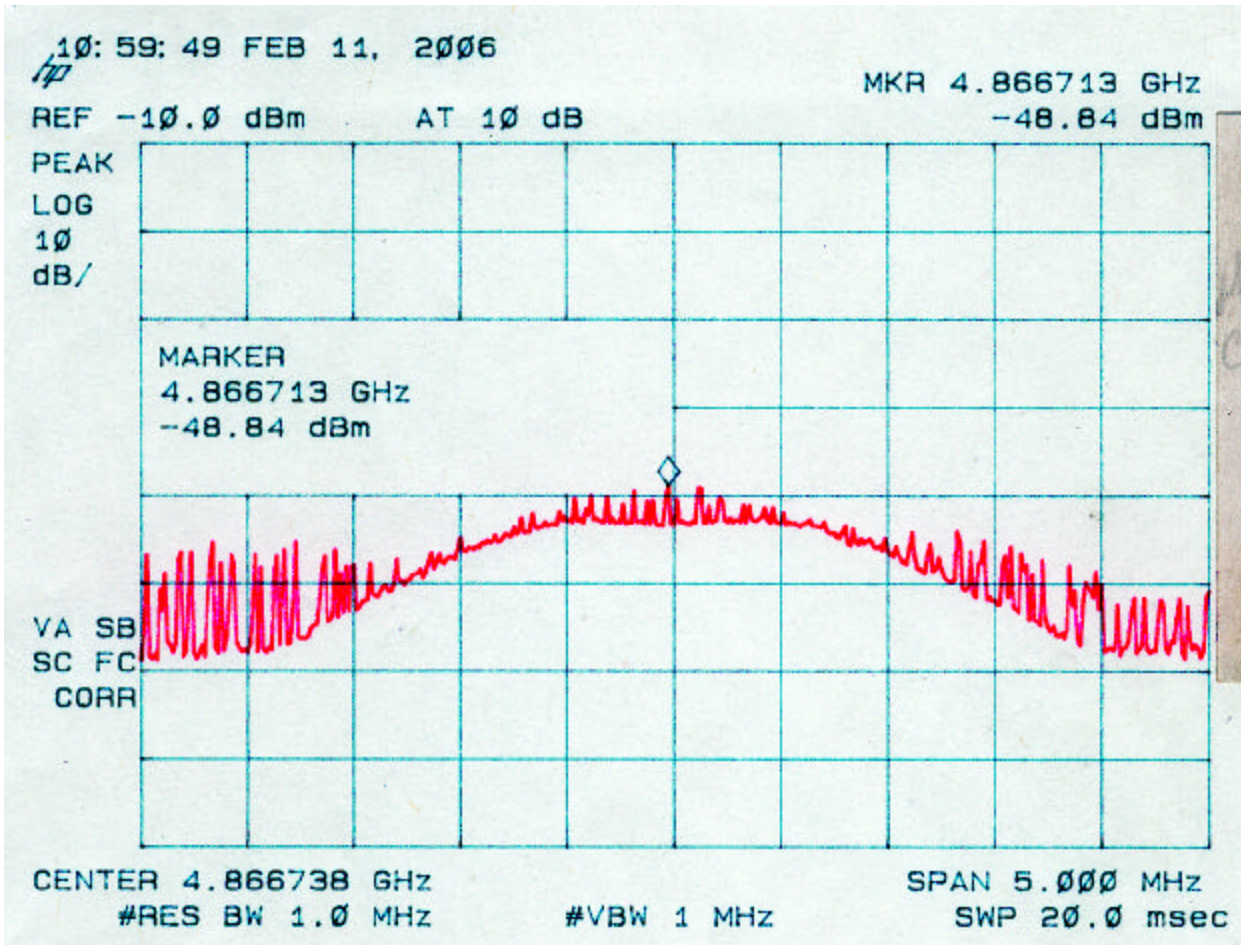


Figure 4e – 3
Peak Radiated Spurious Emission 15.247(c) Mid – Corner Reflector Antenna

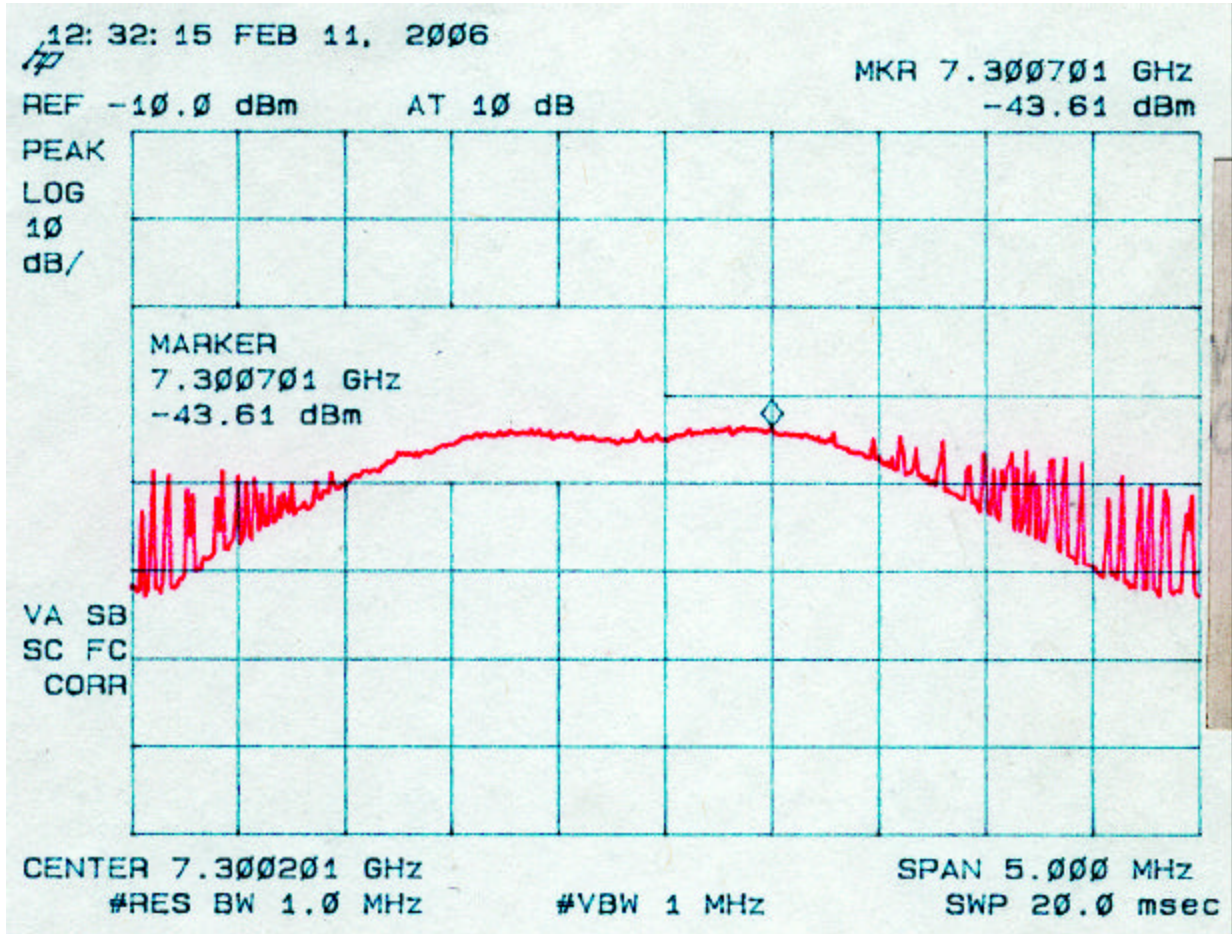


Figure 4e – 4
Peak Radiated Spurious Emission 15.247(c) Mid – Corner Reflector Antenna

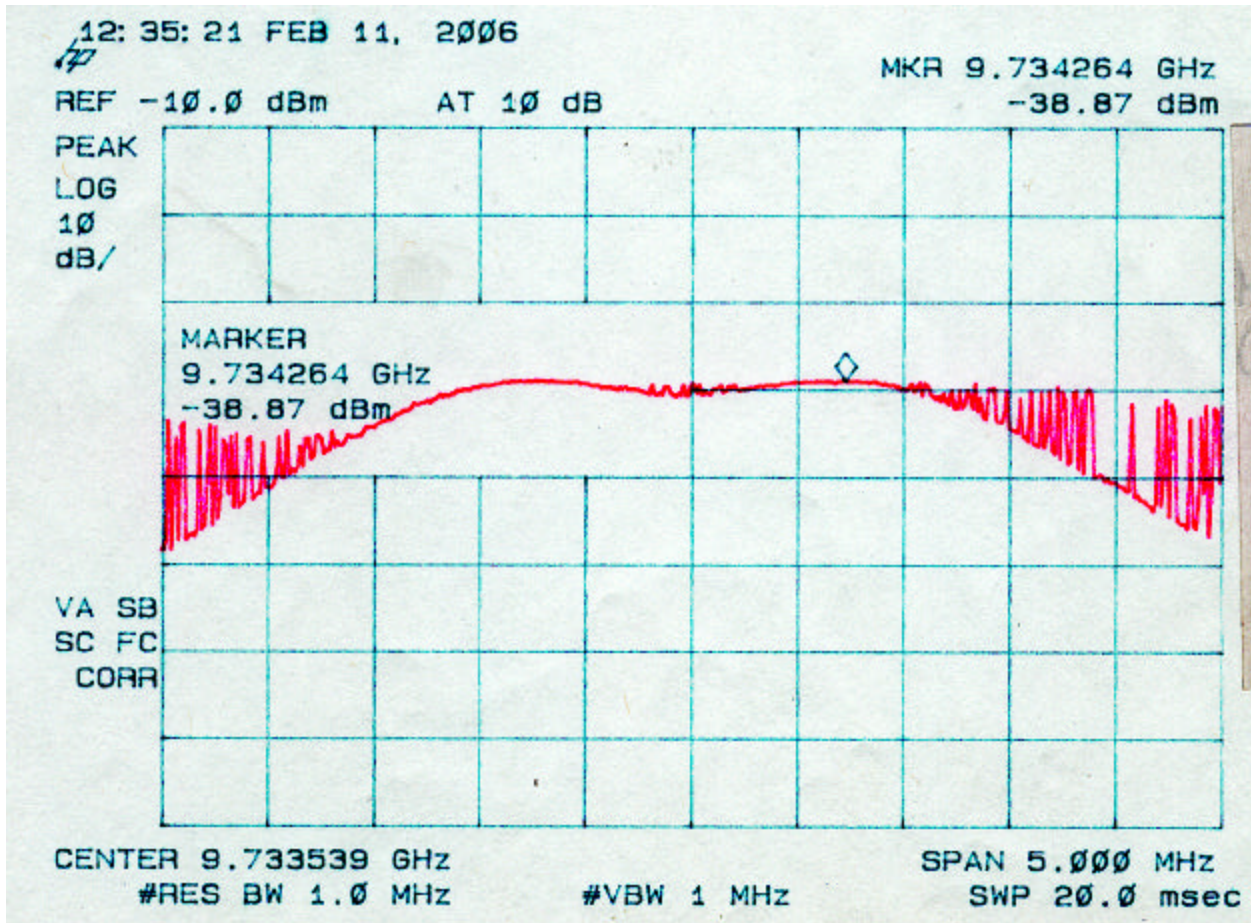


Figure 4e – 5
Peak Radiated Spurious Emission 15.247(c) Mid – Corner Reflector Antenna

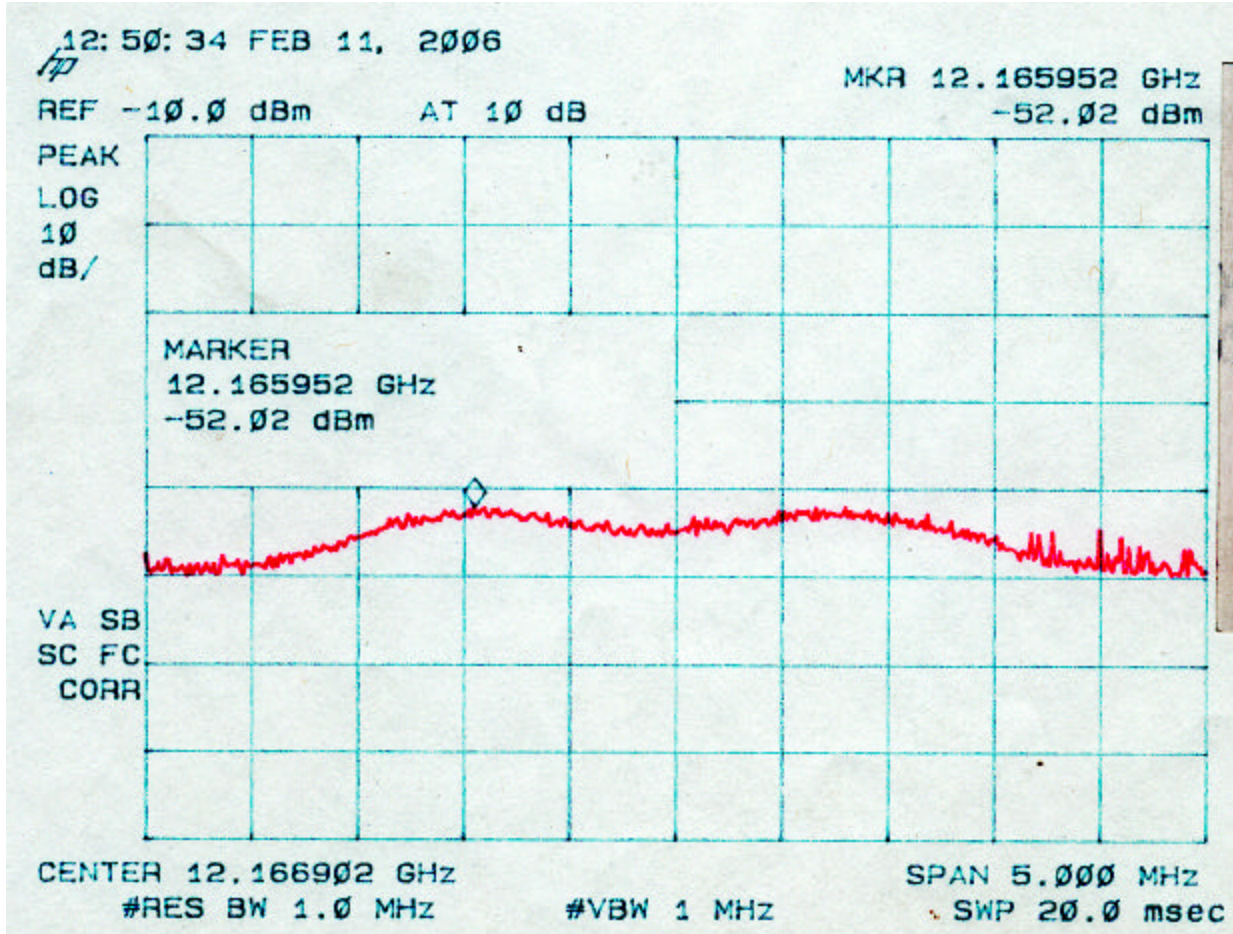
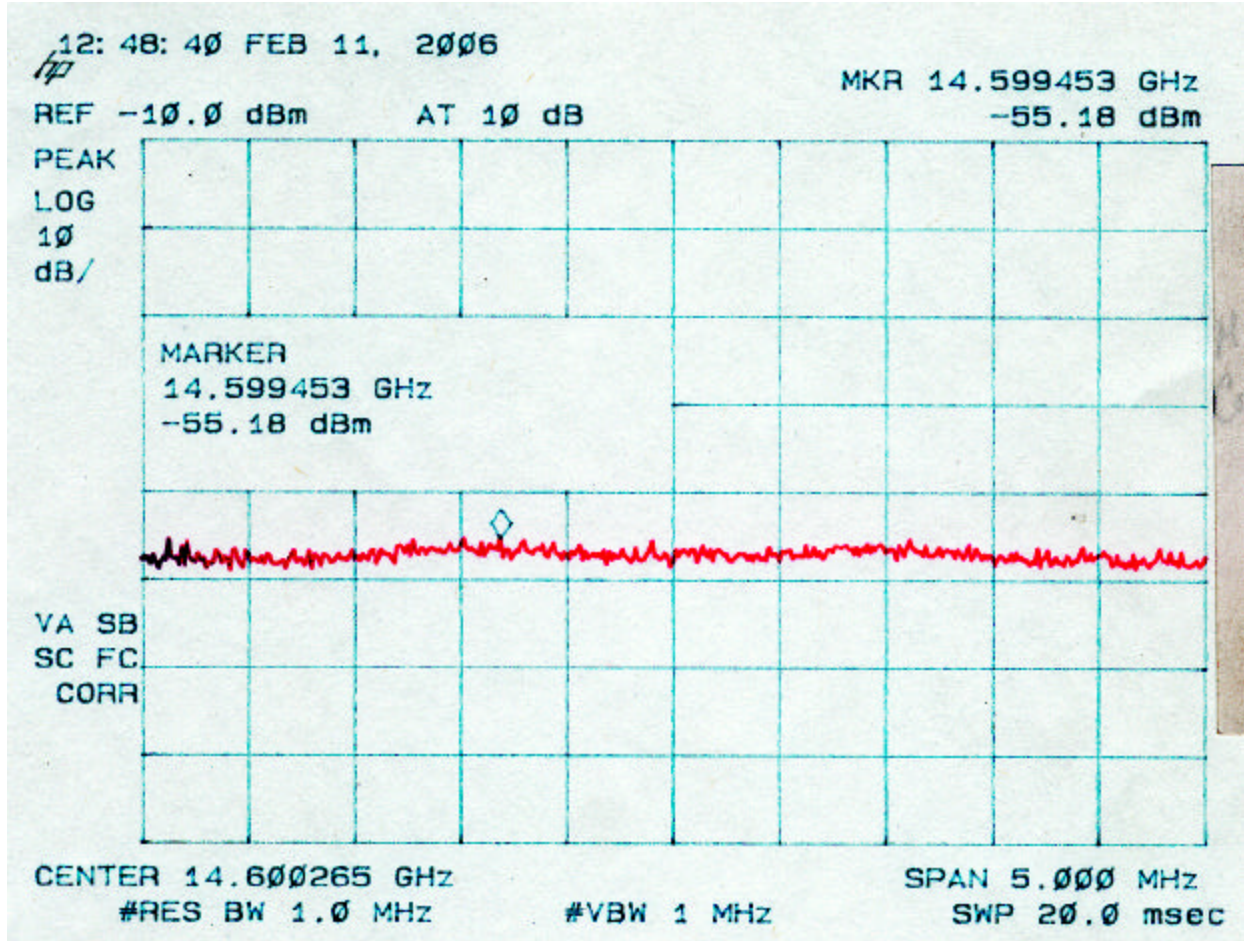


Figure 4e – 6
Peak Radiated Spurious Emission 15.247(c) Mid – Corner Reflector Antenna



**Table 4f. PEAK RADIATED SPURIOUS EMISSIONS (High)
Corner Reflector Antenna**

Radiated Spurious Emissions								
Test By:	Test:	Spurious Emissions-Corner 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
2475.26	-18.7	2hn3mh	88.3	31.7	1005649.3			PK
4950.663	-52.6	2hn3mh	54.4	6.0	1047.8	5000.0	13.6	PK
7425.9	-51.3	2hn3mh	55.7	11.0	2172.4	5000.0	7.2	PK**
9900.7	-45.9	2hn3mh	61.1	13.7	5465.6	100564.9	25.3	PK**
12376.4	-64.5	2hn3mh	42.5	19.7	1283.7	5000.0	11.8	PK**
14848.9	-63.9	2hn3mh	43.1	22.5	1912.2	100564.9	34.4	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 ((-52.6 + 6.0 + 107)/20) = 1047.8

CONVERSION FROM dBm TO dBuV = 107 dB

Tester

Signature: _____



Name: Austin Thompson

Figure 4f – 1
Peak Radiated Spurious Emission 15.247(c) Fundamental
High – Corner Reflector Antenna

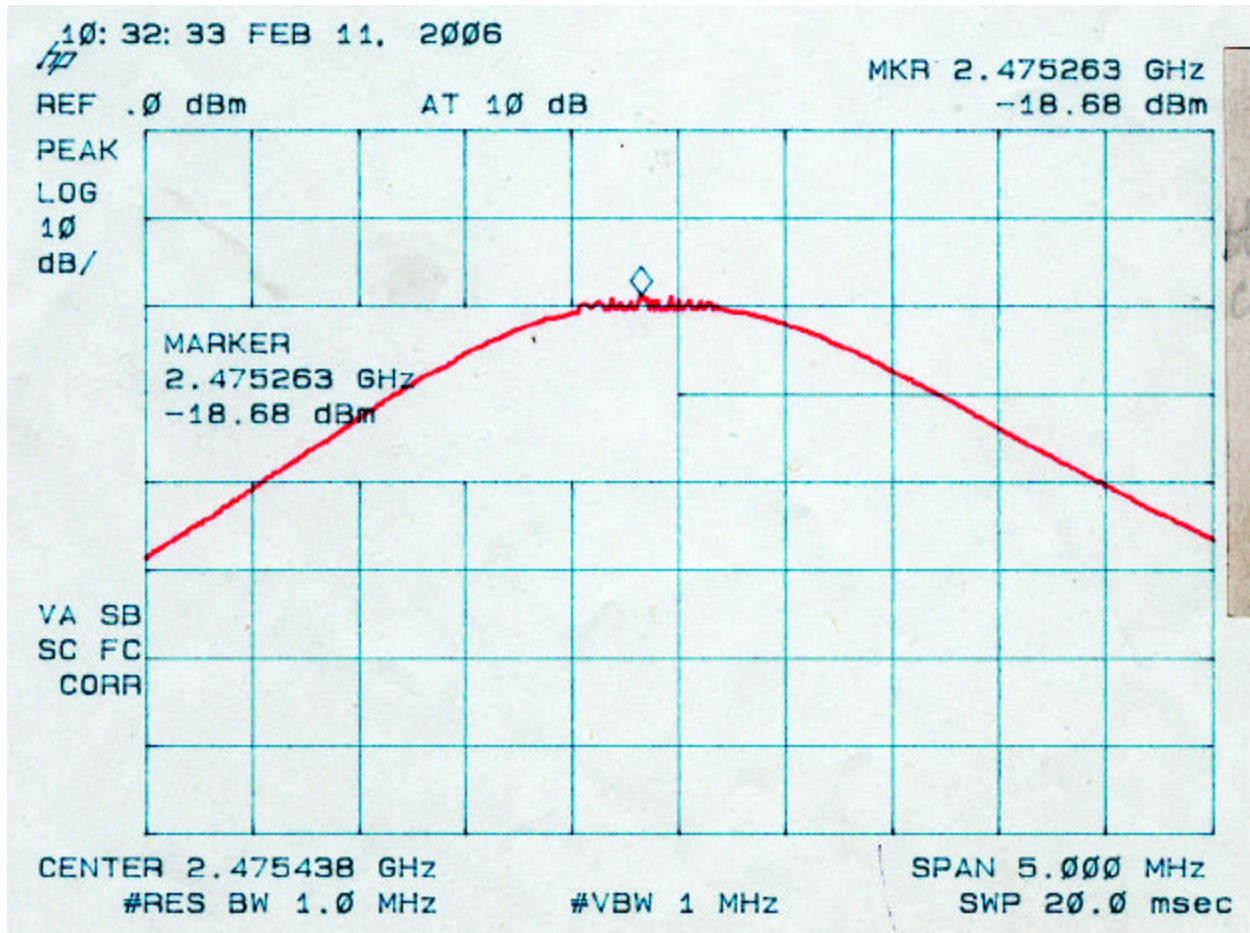


Figure 4f – 2
Peak Radiated Spurious Emission 15.247(c)
High – Corner Reflector Antenna

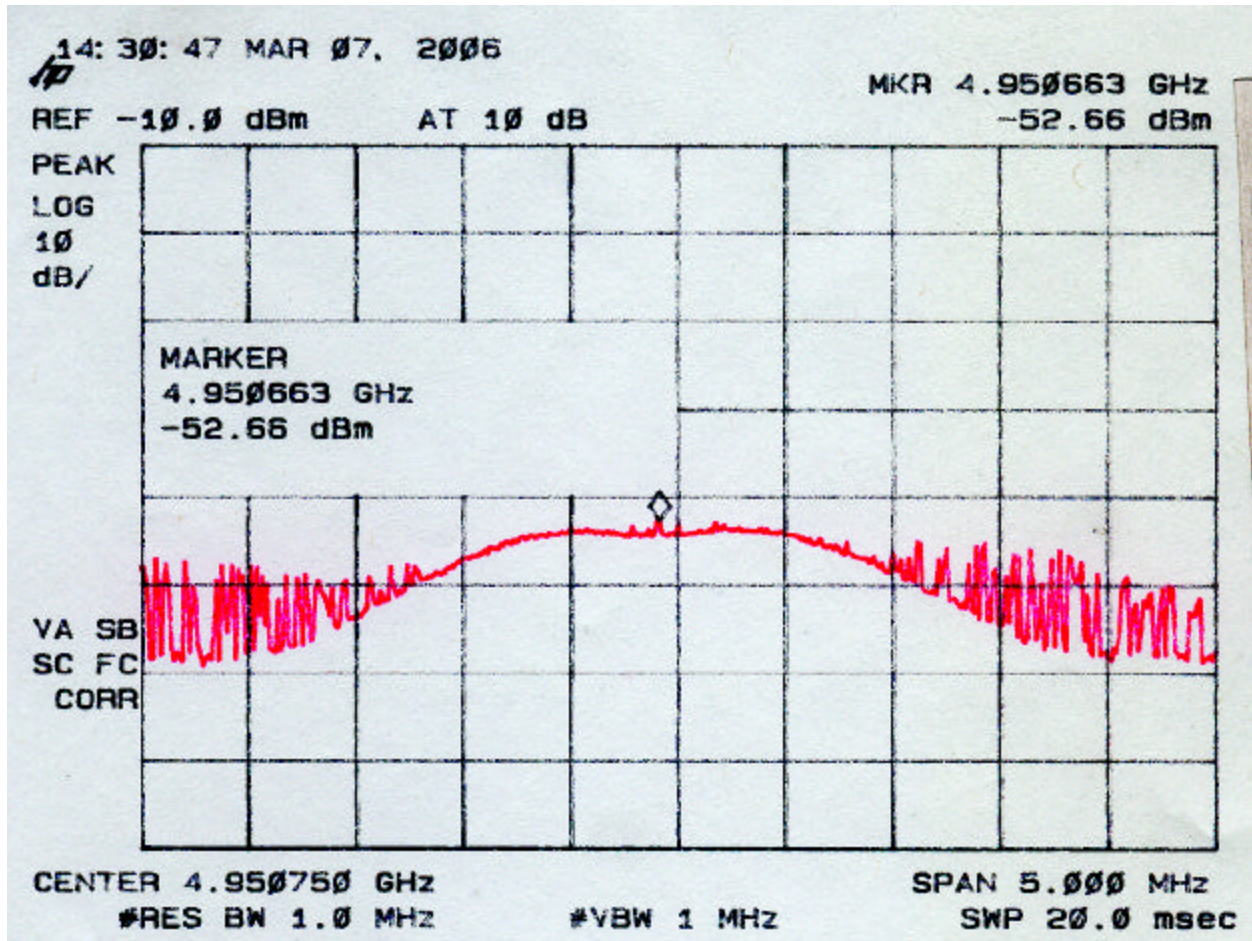


Figure 4f - 3
Peak Radiated Spurious Emission 15.247(c)
High - Corner Reflector Antenna

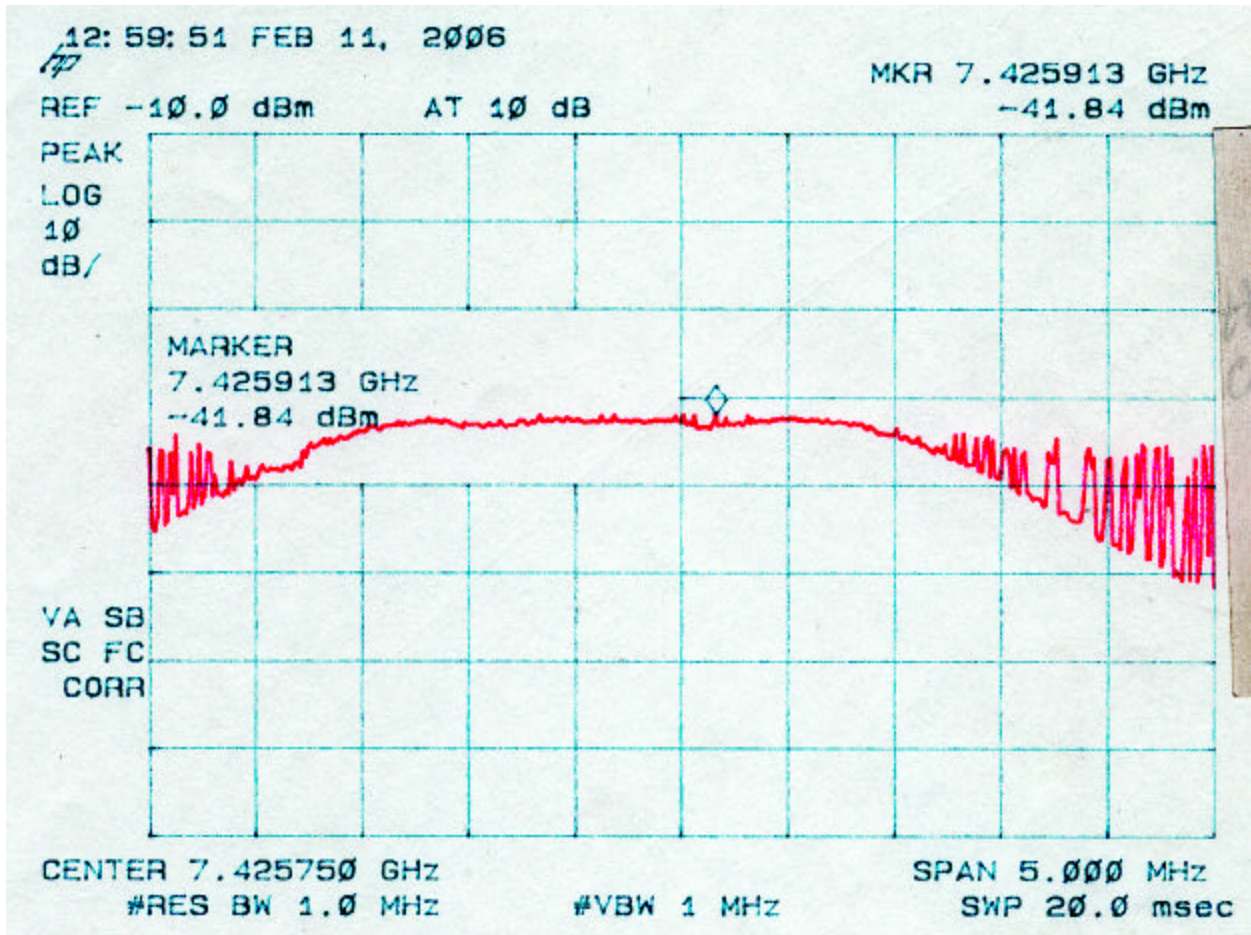


Figure 4f – 4
Peak Radiated Spurious Emission 15.247(c)
High – Corner Reflector Antenna

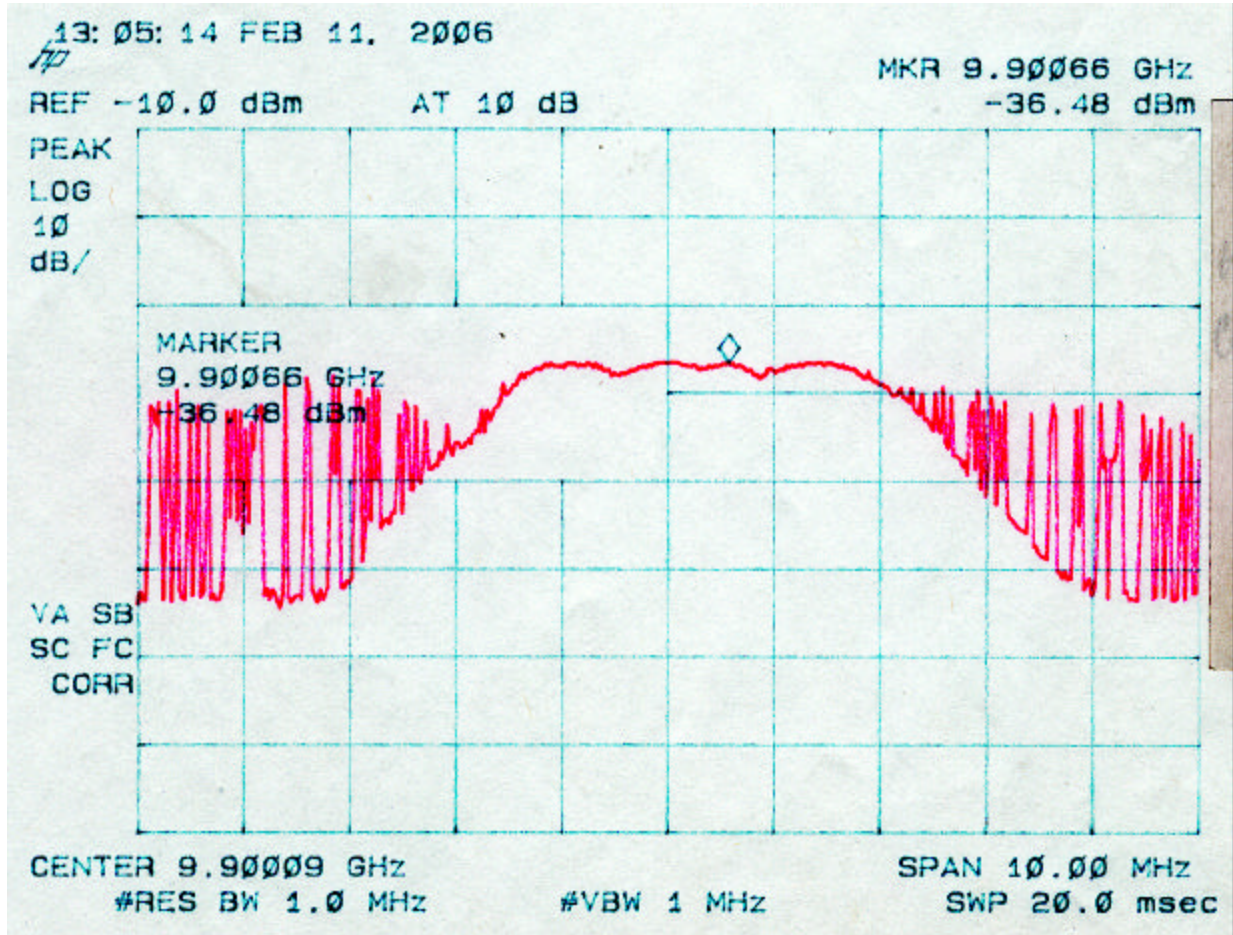


Figure 4f - 5
Peak Radiated Spurious Emission 15.247(c)
High - Corner Reflector Antenna

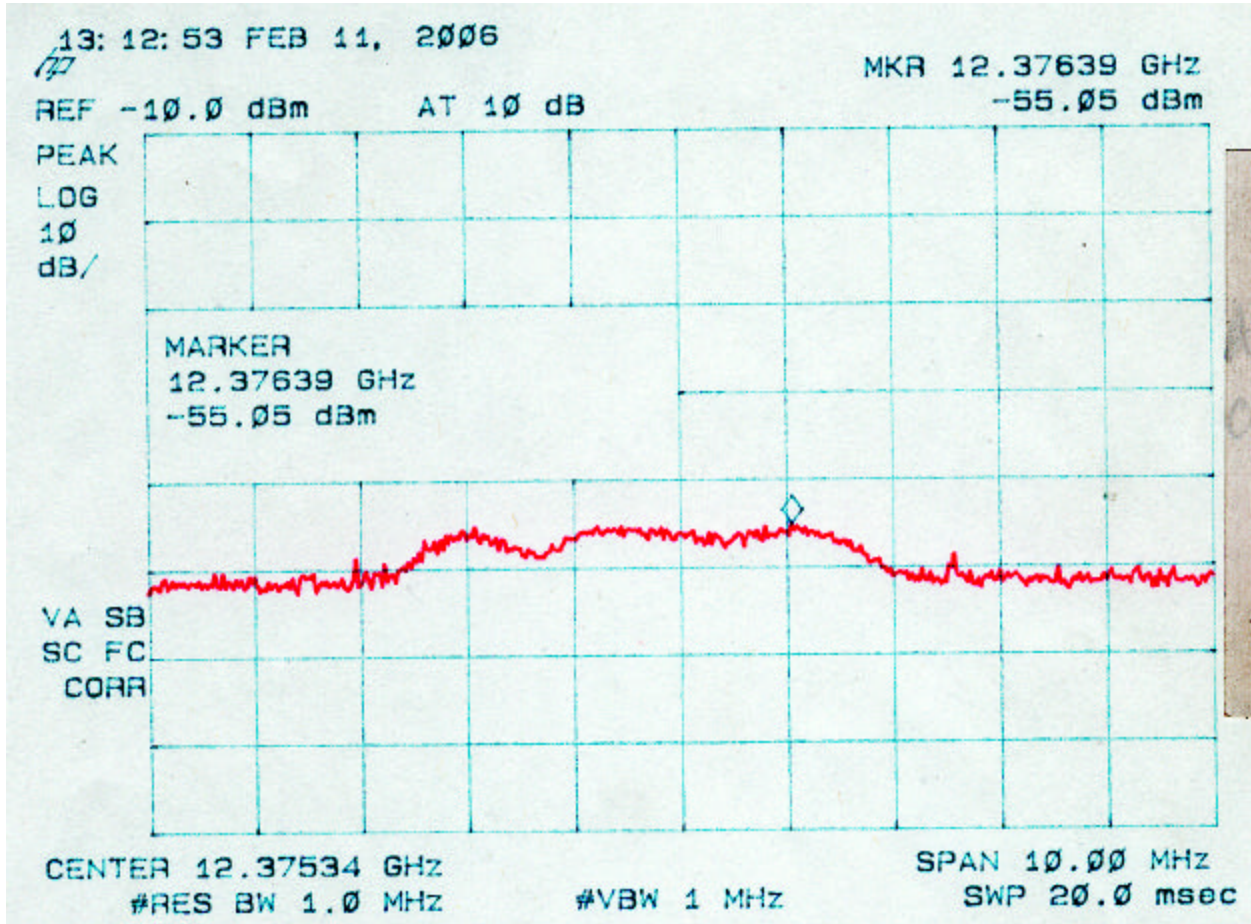


Figure 4f - 6
Peak Radiated Spurious Emission 15.247(c)
High - Corner Reflector Antenna

