

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

Radiated Spurious Emissions								
Test By:	Test:	Spurious Emissions-Corner Ant.-Low Channel			Client:	Cirronet		
A.T.	Project:	05-0311	Class:	Peak	Model:	WIT2410G		
Frequency Range		Table	Model	S/N		Calibrated:		
		2hn3mh	Model : SAS-571	S/N 605		01 APR 05		
		preamp		S/N		June/30/2005		
		flex2ft		S/N		05/Dec/2005		
		flex17ft		S/N		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
2401.61	-17.7	2hn3mh	89.3	31.6	1115151.5			PK
4803.376	-44.9	2hn3mh	62.1	5.4	2386.1	5000.0	6.4	PK
7205.438	-46.8	2hn3mh	60.2	10.7	3523.0	111515.2	30.0	PK**
9605.975	-63.6	2hn3mh	43.4	13.3	684.3	111515.2	44.2	PK**
12007.46	-62.2	2hn3mh	44.8	18.9	1530.2	5000.0	10.3	PK**
14409.13	-65.0	2hn3mh	42.0	22.8	1751.0	111515.2	36.1	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 ((-44.9 + 5.4 + 107)/20) = 2386.1

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

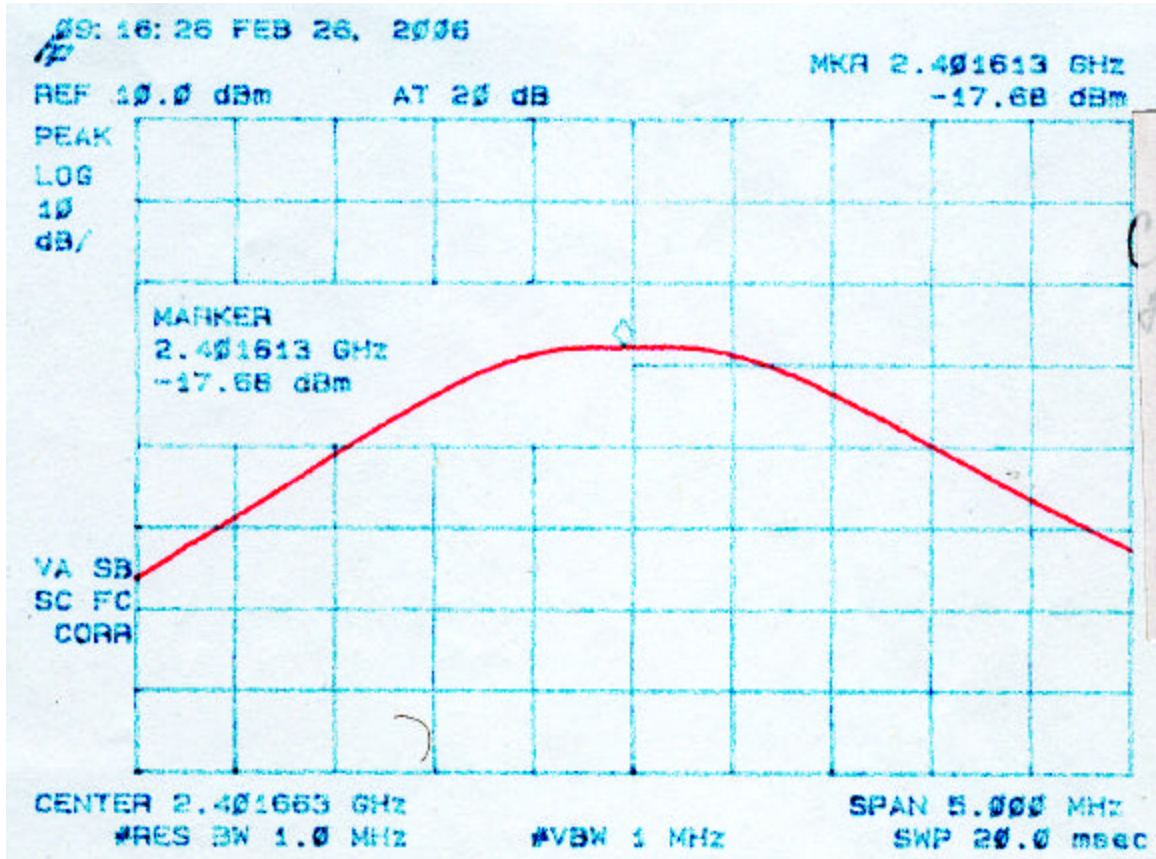


Figure 4d – 2
Peak Radiated Spurious Emission 15.247(c) Low – Corner Reflector Antenna

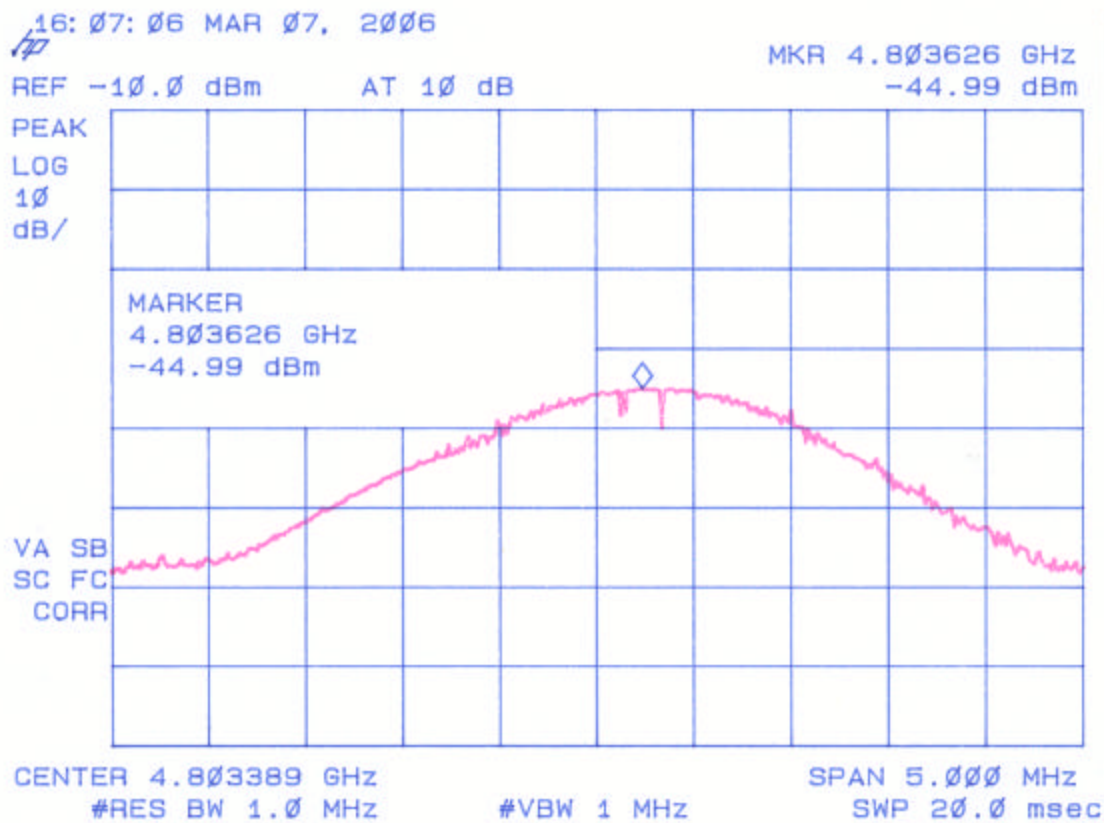


Figure 4d – 3
Peak Radiated Spurious Emission 15.247(c) Low – Coroner Reflector Antenna

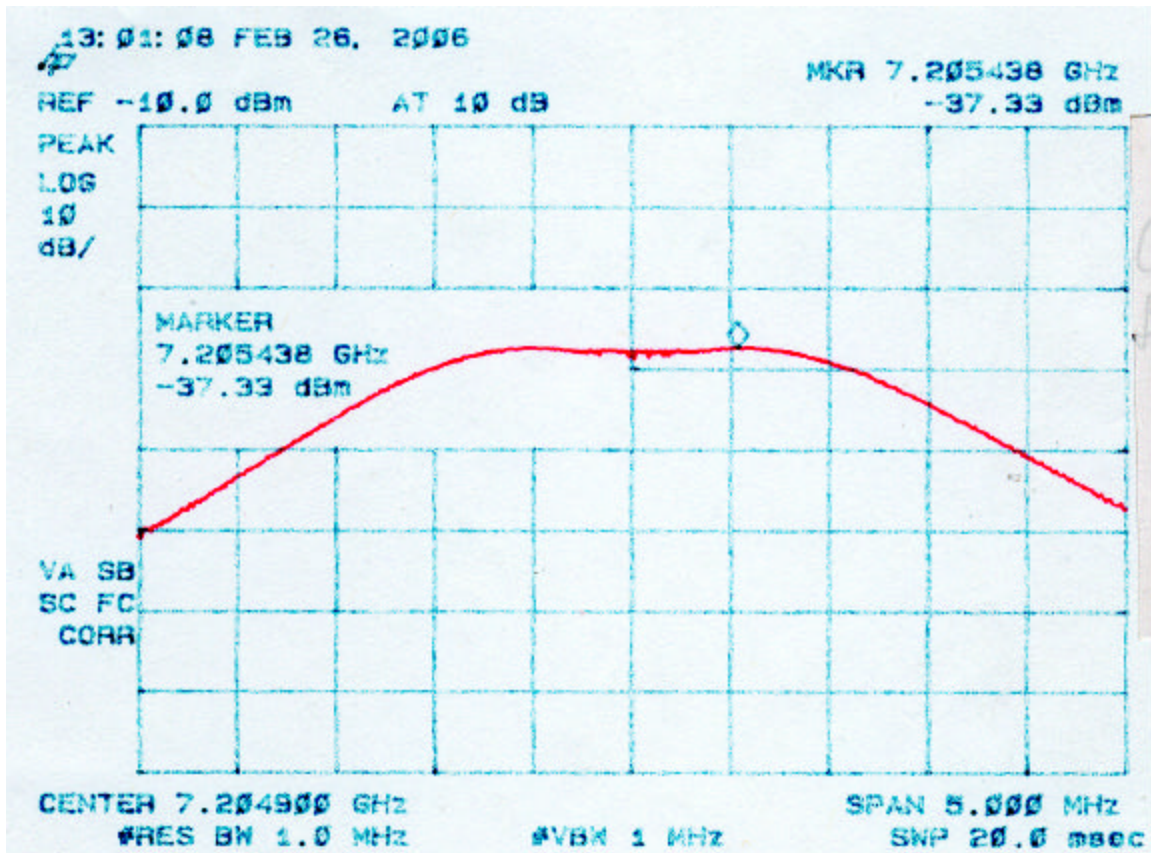


Figure 4d – 4
Peak Radiated Spurious Emission 15.247(c) Low – Corner Reflector Antenna

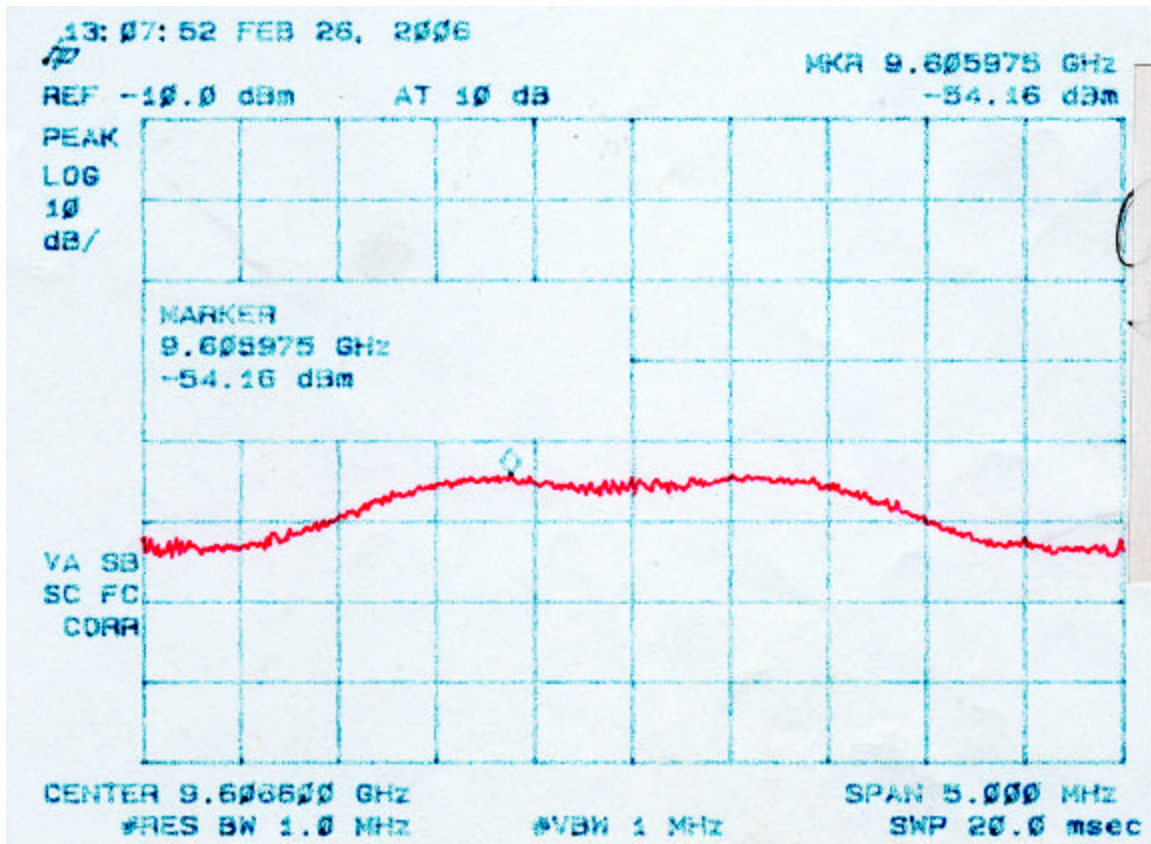


Figure 4d – 5
Peak Radiated Spurious Emission 15.247(c) Low – Corner Reflector Antenna

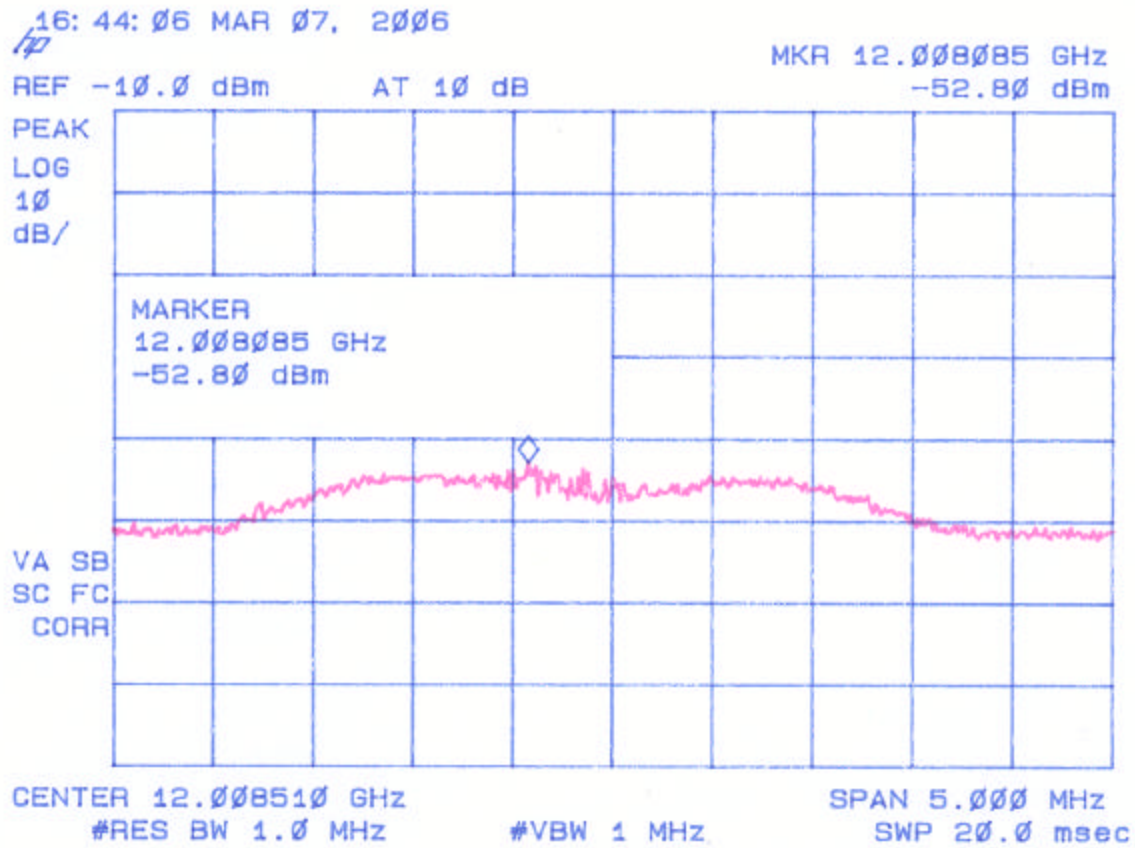


Figure 4d – 6
Peak Radiated Spurious Emission 15.247(c) Low – Corner Reflector Antenna

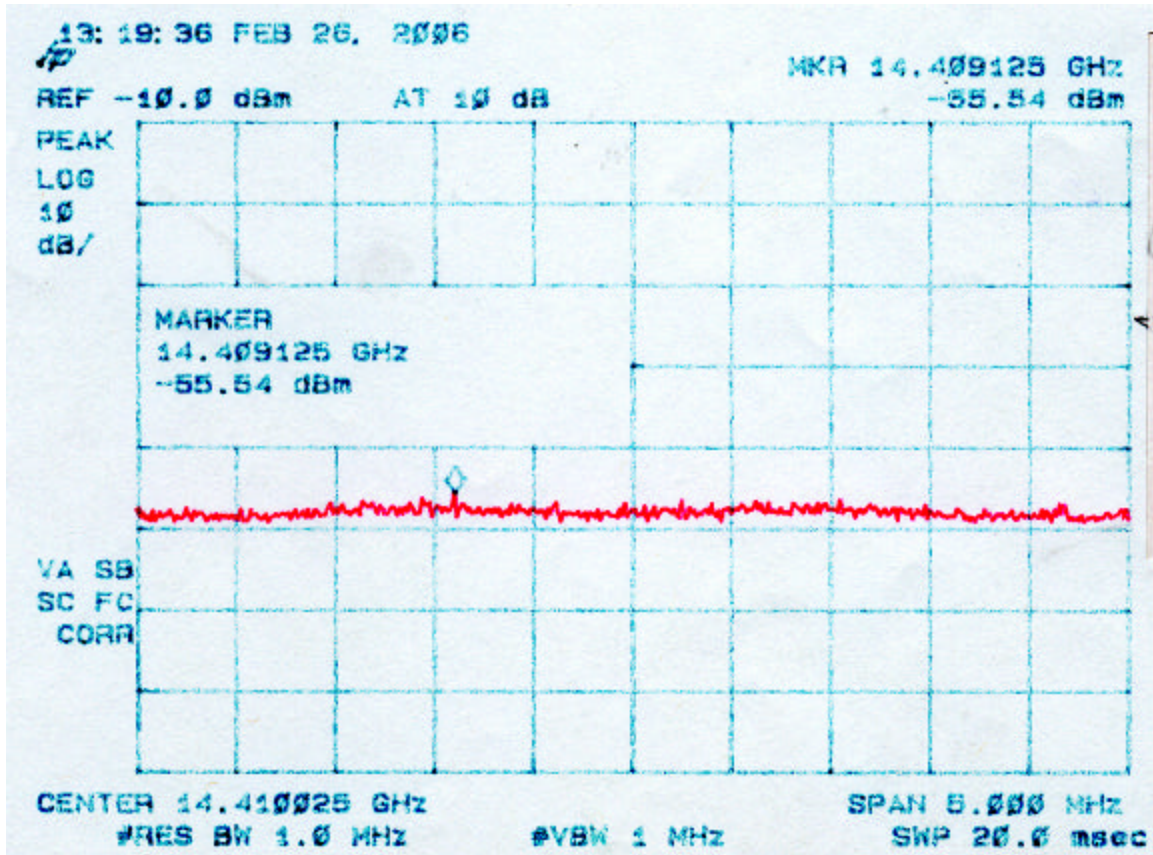


Table 4e. PEAK RADIATED SPURIOUS EMISSIONS (Mid)
Corner Reflector Antenna

Radiated Spurious Emissions								
Test By:	Test:	Spurious Emissions-Corner Ant.-Mid Channel			Client:	Cirronet		
A.T.	Project:	05-0311	Class:	Peak	Model:	WIT2410G		
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
2438.76	-16.5	2hn3mh	90.5	31.7	1282086.4			PK
4871.663	-45.8	2hn3mh	61.2	5.7	2217.1	5000.0	7.1	PK
7306.588	-48.0	2hn3mh	59.1	10.9	3129.6	5000.0	4.1	PK**
9742.412	-63.7	2hn3mh	43.3	13.5	688.3	128208.6	45.4	PK**
12177.9	-60.0	2hn3mh	47.0	19.3	2052.1	5000.0	7.7	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 $((-45.8 + 5.7 + 107)/20)$ = 2217.1

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

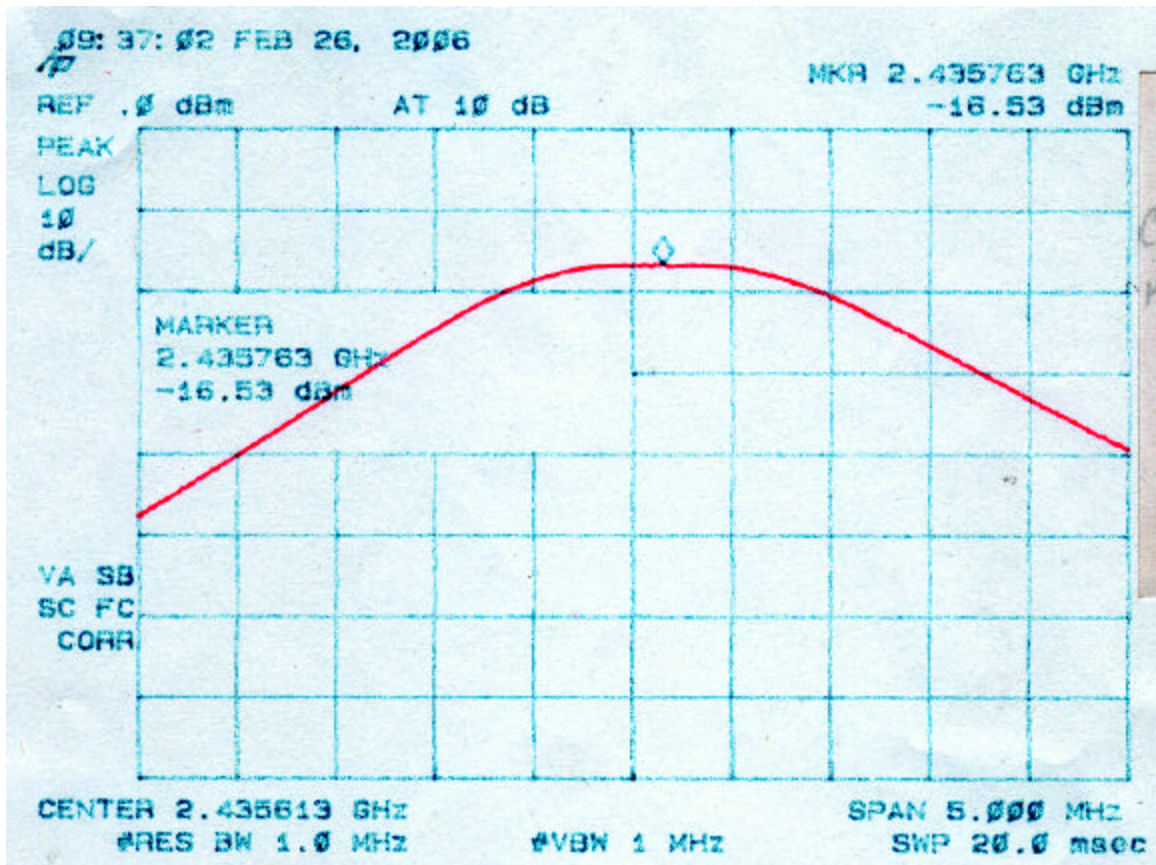


Figure 4e – 2
Peak Radiated Spurious Emission 15.247(c) Mid –
Corner Reflector Antenna

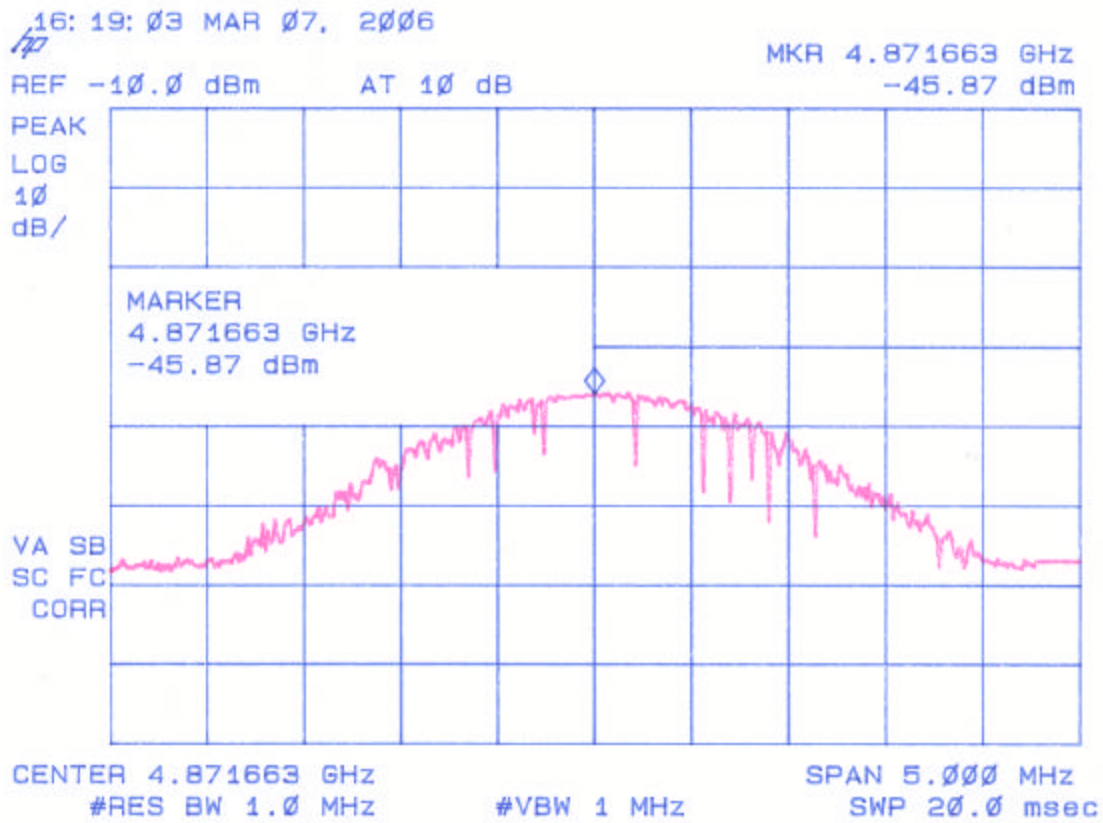


Figure 4e – 3
Peak Radiated Spurious Emission 15.247(c) Mid –
Corner Reflector Antenna

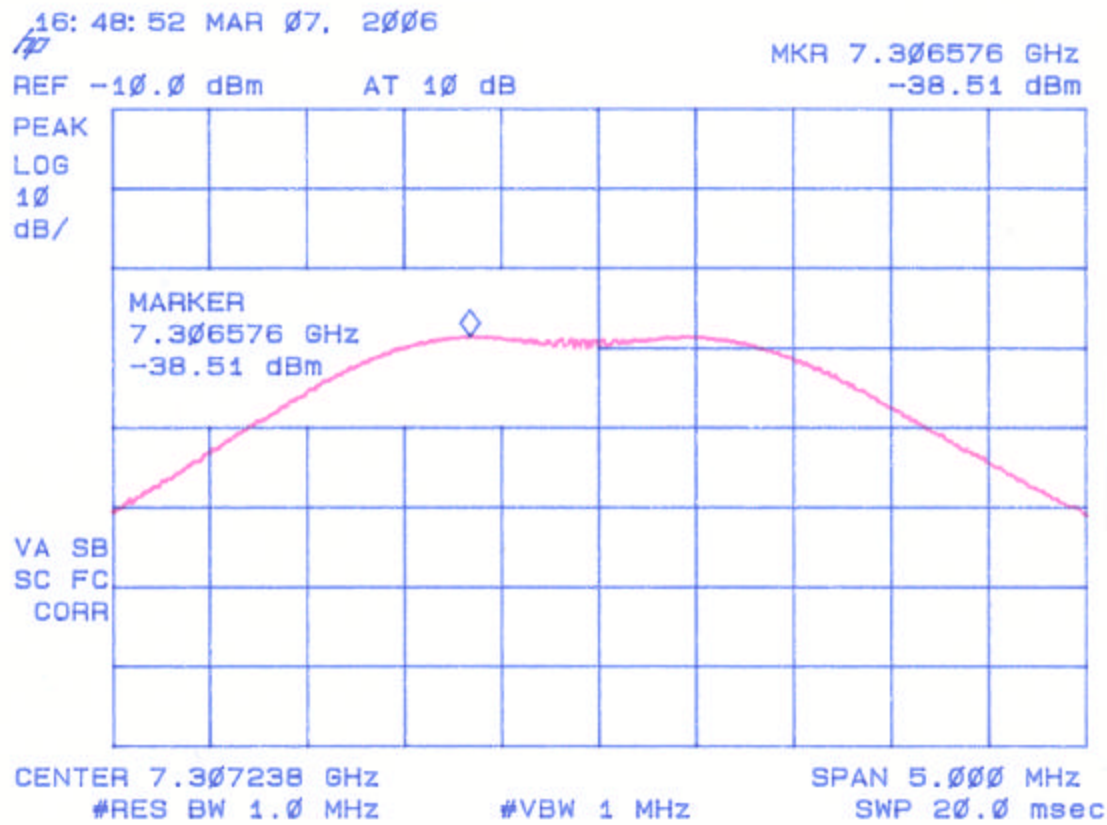


Figure 4e – 4
Peak Radiated Spurious Emission 15.247(c) Mid –
Corner Reflector Antenna

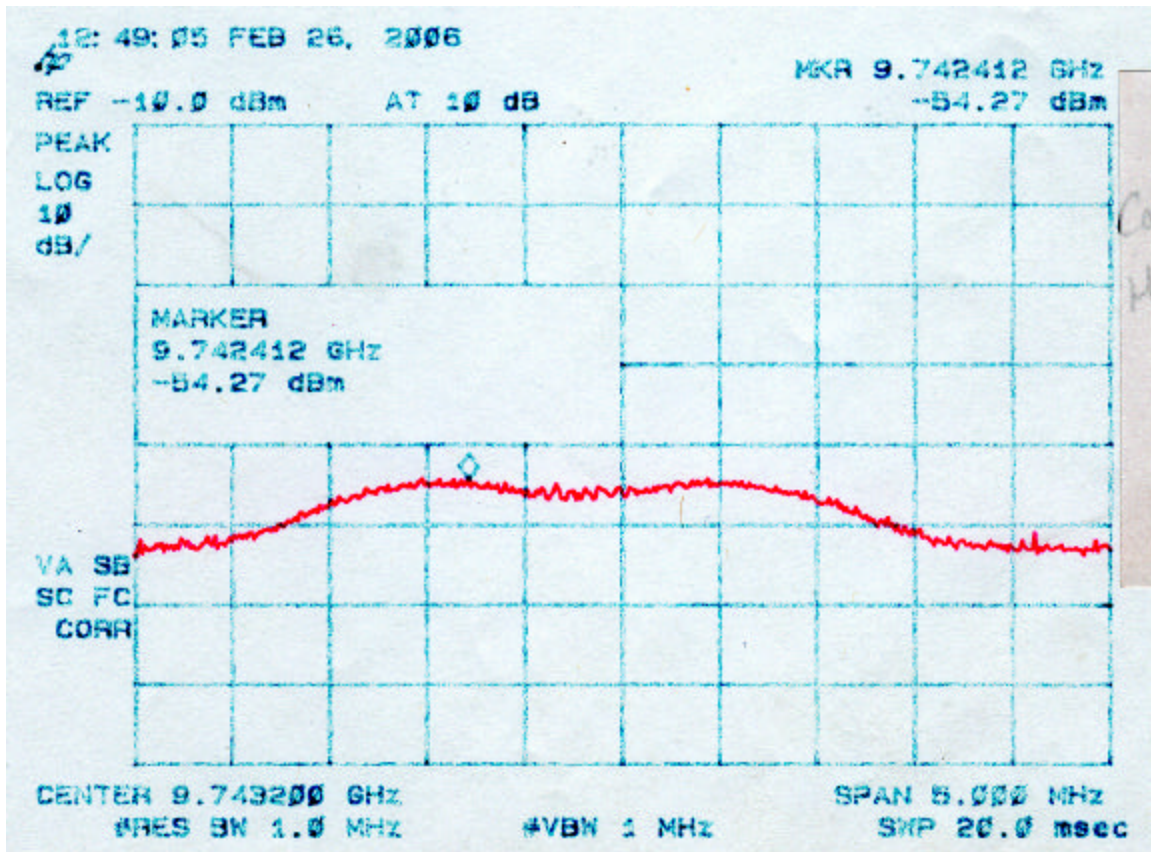


Figure 4e – 5
Peak Radiated Spurious Emission 15.247(c) Mid –
Corner Reflector Antenna

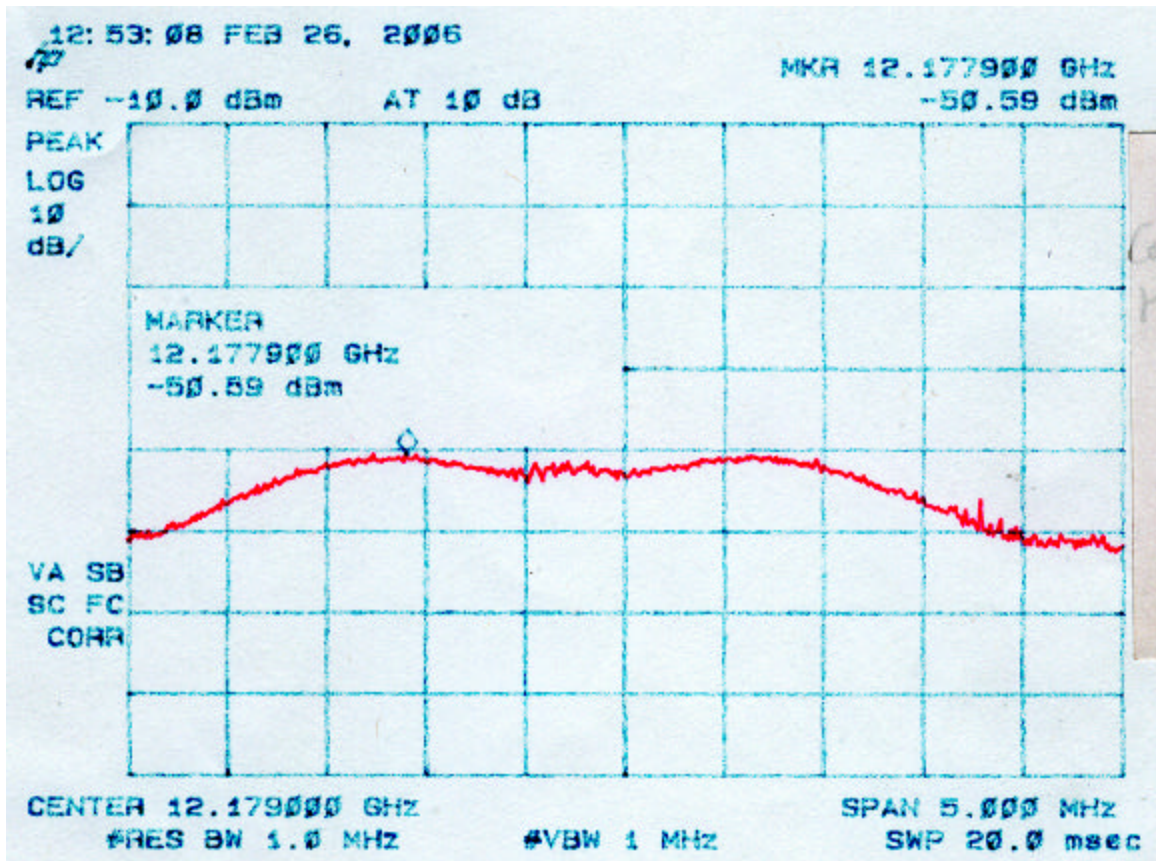


Table 4f. PEAK RADIATED SPURIOUS EMISSIONS (High)
Corner Reflector Antenna

Radiated Spurious Emissions								
Test By:	Test:	Spurious Emissions-Corner Ant.-Hi Channel			Client:	Cirronet		
A.T.	Project:	05-0311	Class:	Peak	Model:	WIT2410G		
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
2469.66	-16.7	2hn3mh	90.3	31.7	1267599.5			PK
4939.913	-46.7	2hn3mh	60.3	5.9	2050.5	5000.0	7.7	PK
7408.975	-48.2	2hn3mh	58.9	11.0	3113.0	5000.0	4.1	PK**
9880.125	-62.8	2hn3mh	44.2	13.6	781.5	126760.0	44.2	PK**
12350.24	-59.0	2hn3mh	48.0	19.6	2392.5	5000.0	6.4	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 $((-46.7 + 5.9 + 107)/20)$ = 2050.5

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

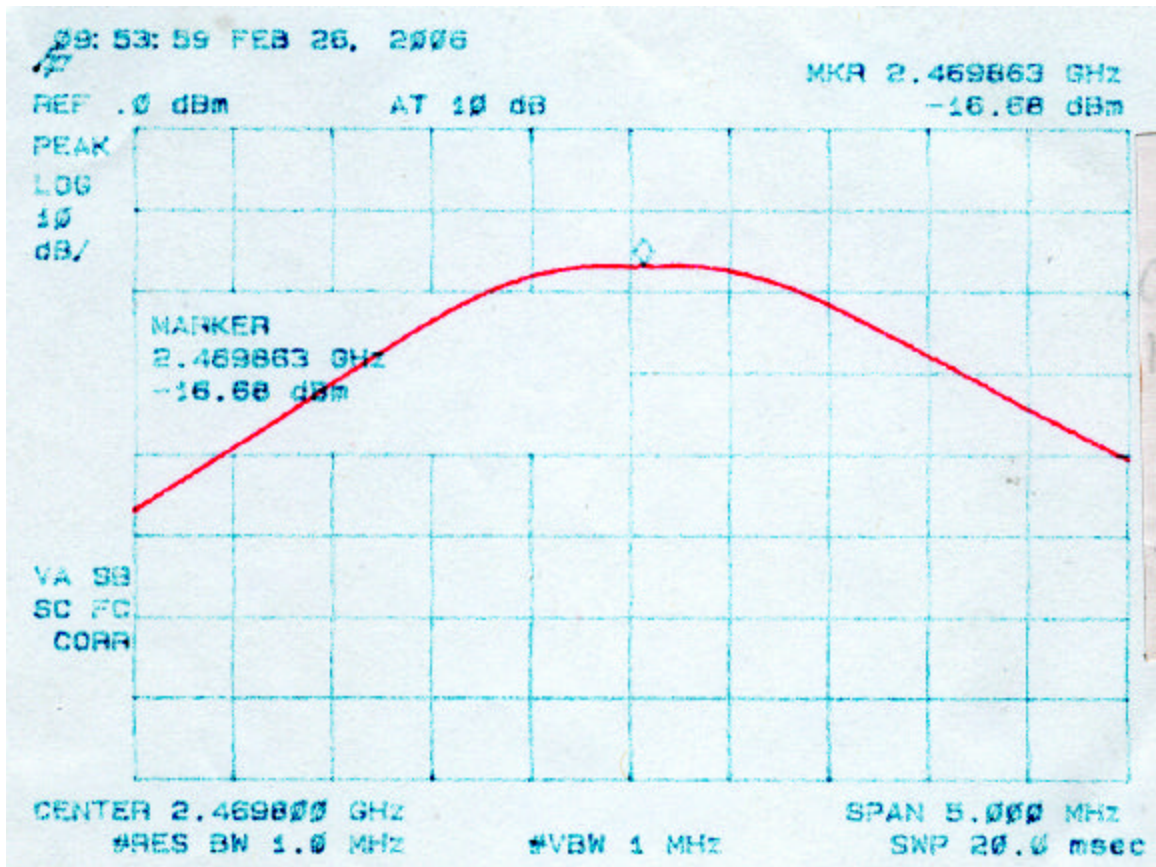


Figure 4f – 2
Peak Radiated Spurious Emission 15.247(c) High –
Corner Reflector Antenna

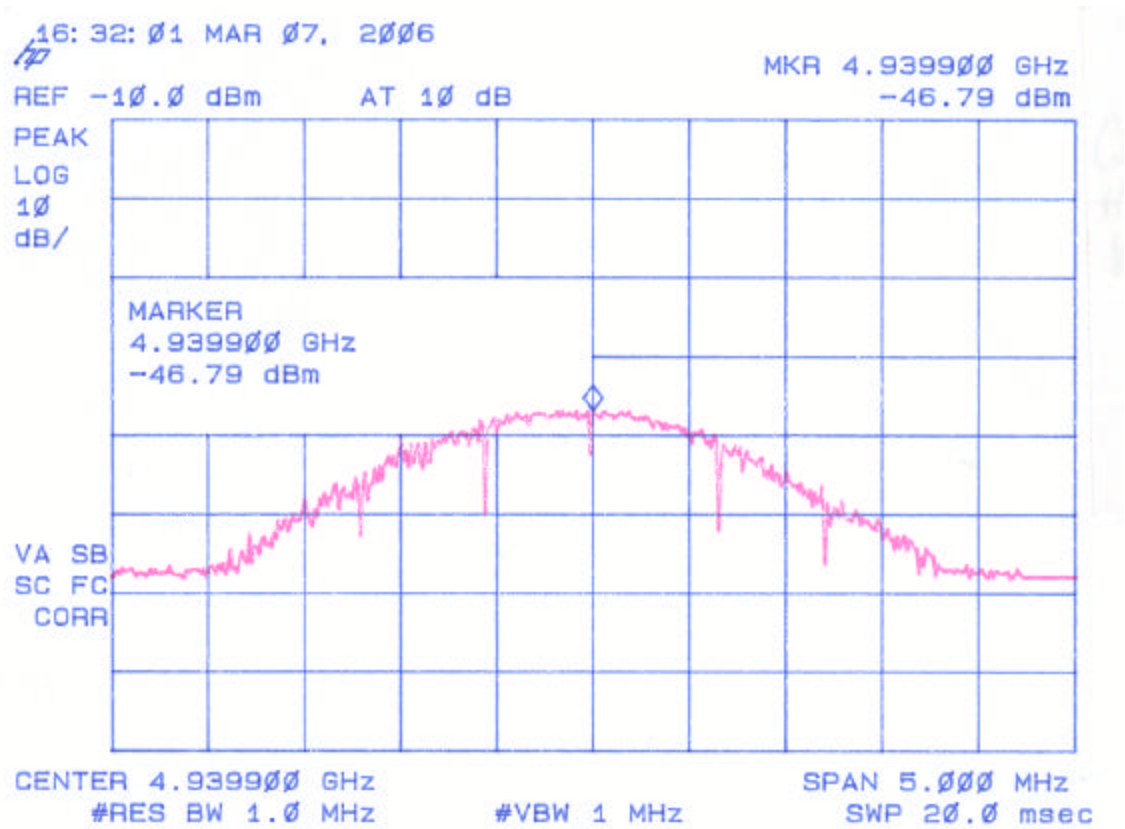


Figure 4f – 3
Peak Radiated Spurious Emission 15.247(c) High –
Corner Reflector Antenna

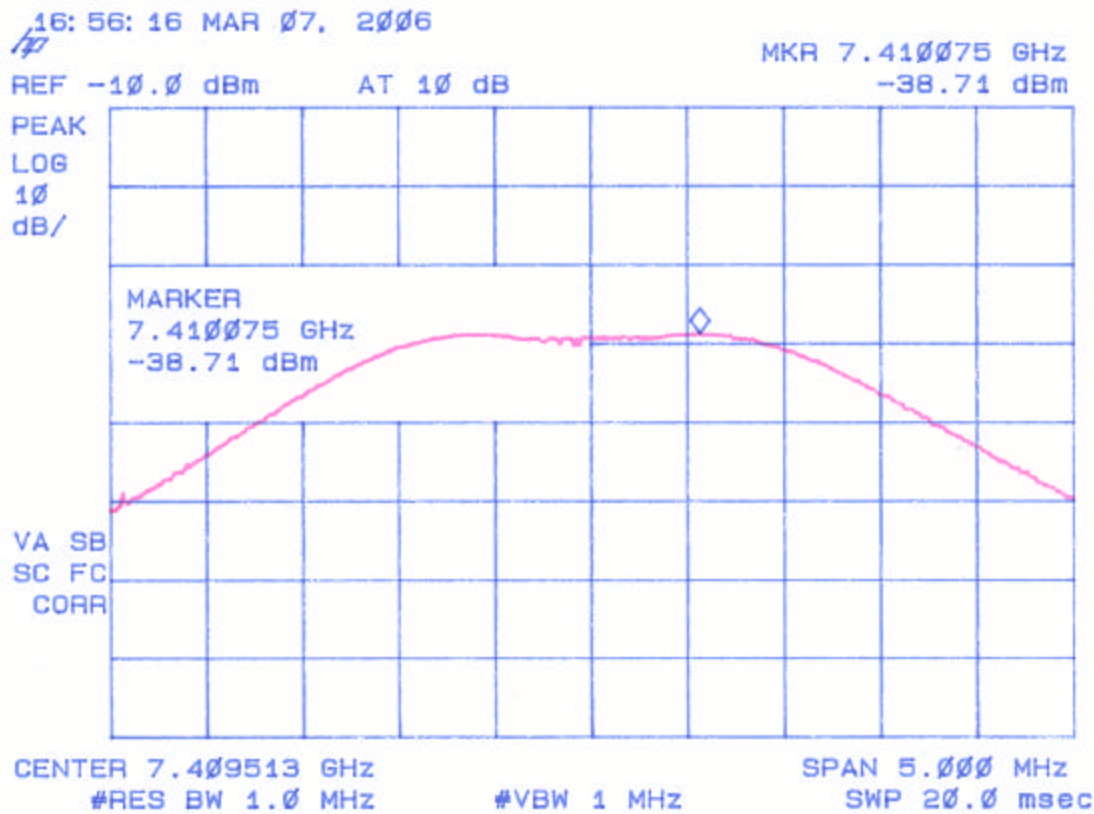


Figure 4f – 4
Peak Radiated Spurious Emission 15.247(c) High –
Corner Reflector Antenna

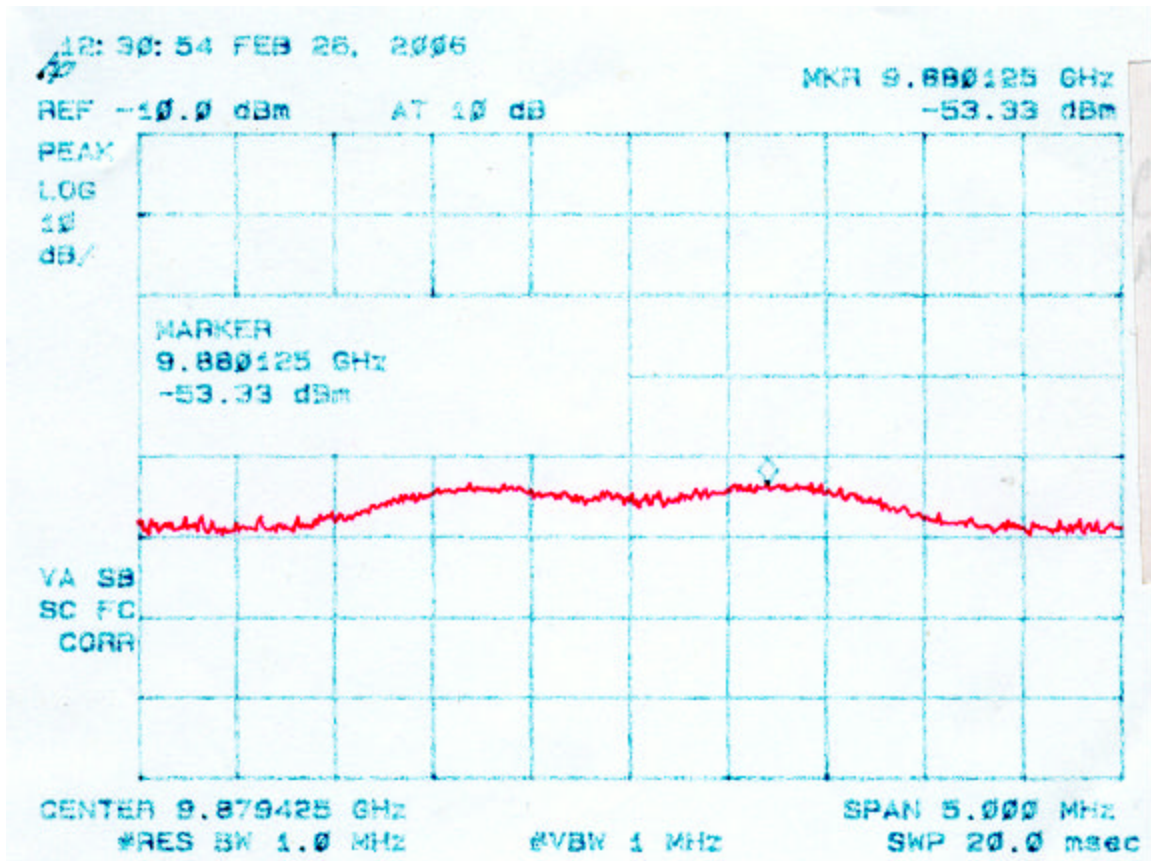


Figure 4f – 5
Peak Radiated Spurious Emission 15.247(c) High –
Corner Reflector Antenna

