

Table 4p. PEAK RADIATED SPURIOUS EMISSIONS (Low)
Yagi Antenna

Radiated Spurious Emissions								
Test By:	Test:	Spurious Emissions-Yagi Antenna-Low Channel			Client:	Cirronet		
AT	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
2401.59	-16.9	2hn3mh	90.1	31.6	1217115.5			PK
4803.563	-44.6	2hn3mh	62.4	5.4	2478.7	5000.0	6.1	PK
7204.476	-39.0	2hn3mh	68.0	10.7	8577.0	121711.6	23.0	PK**
9607.176	-64.3	2hn3mh	42.7	13.3	632.2	121711.6	45.7	PK**
12007.5	-62.9	2hn3mh	44.1	18.9	1413.3	5000.0	11.0	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 $((-44.6 + 5.4 + 107)/20)$ = 2478.7

CONVERSION FROM dBm TO dBuV = 107 dB

Tester

Signature: _____



Name: Austin Thompson

Figure 4p – 1
Peak Radiated Spurious Emission 15.247(c) Fundamental Low –
Yagi Antenna

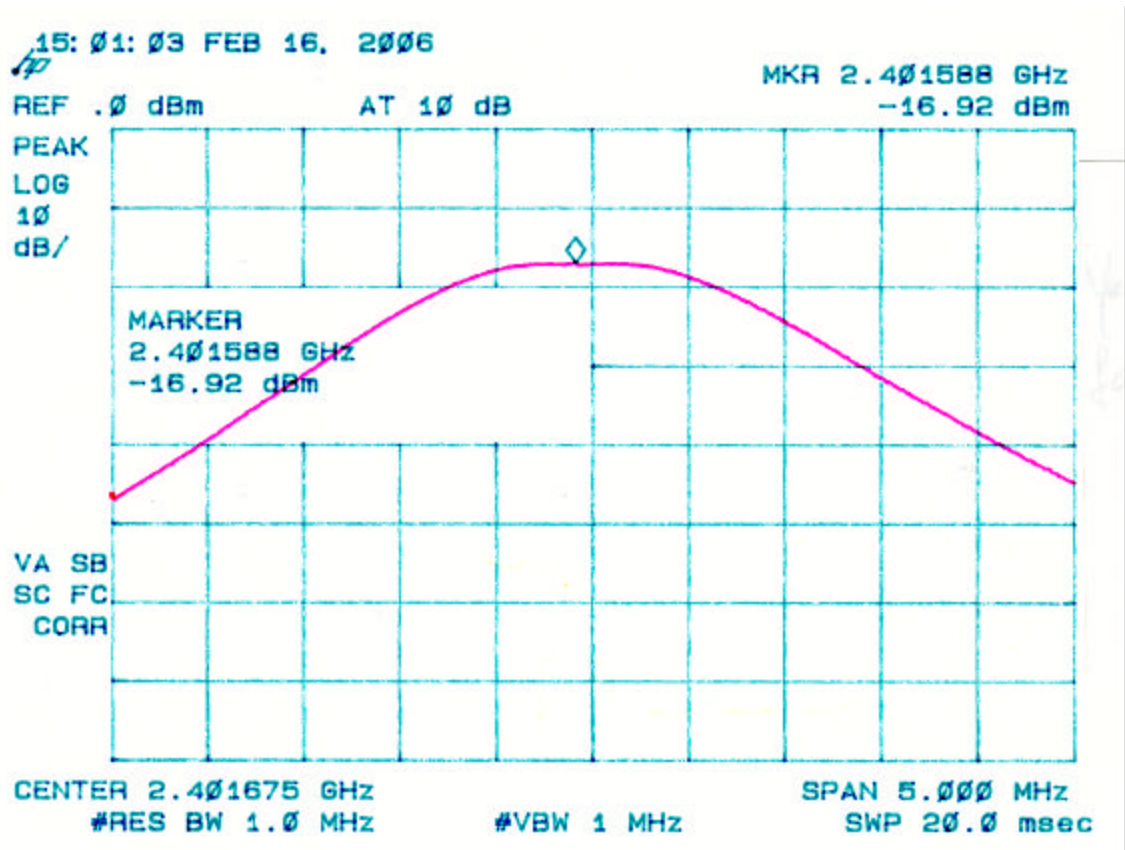


Figure 4p – 2
Peak Radiated Spurious Emission 15.247(c) Low –
Yagi Antenna

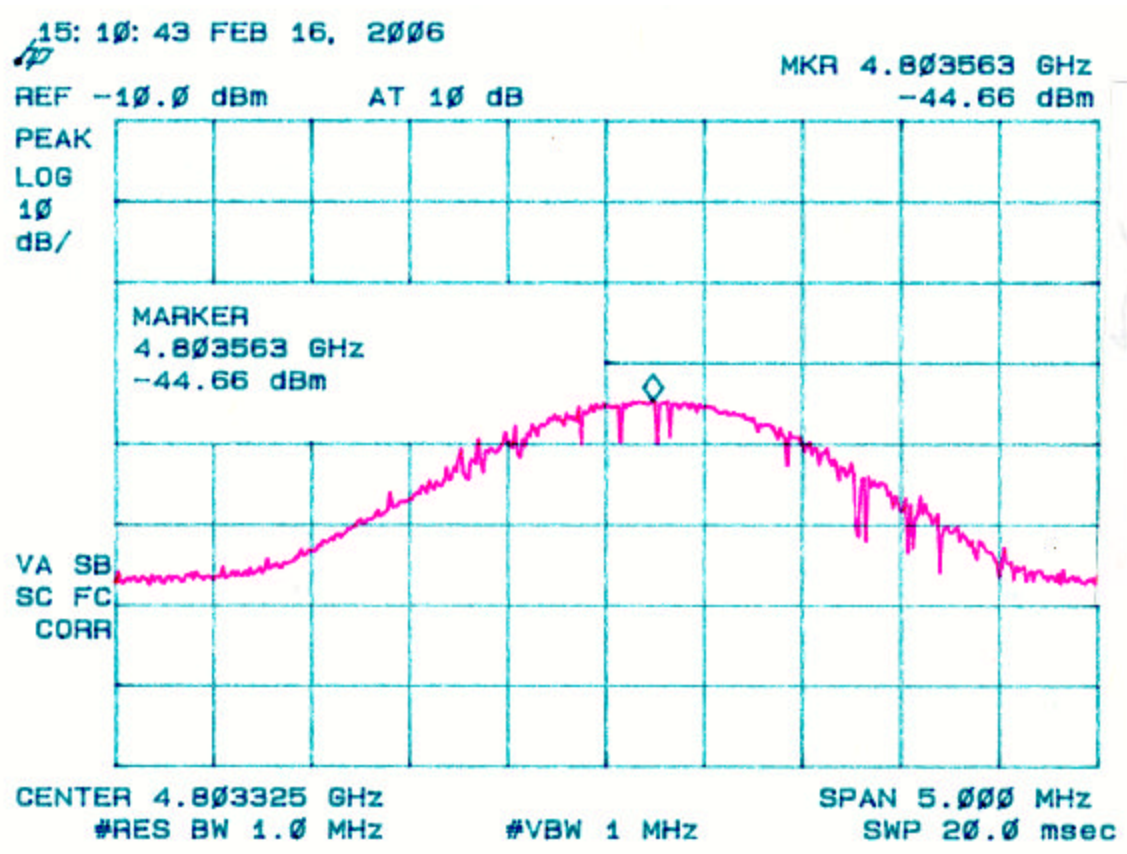


Figure 4p – 3
Peak Radiated Spurious Emission 15.247(c) Low –
Yagi Antenna

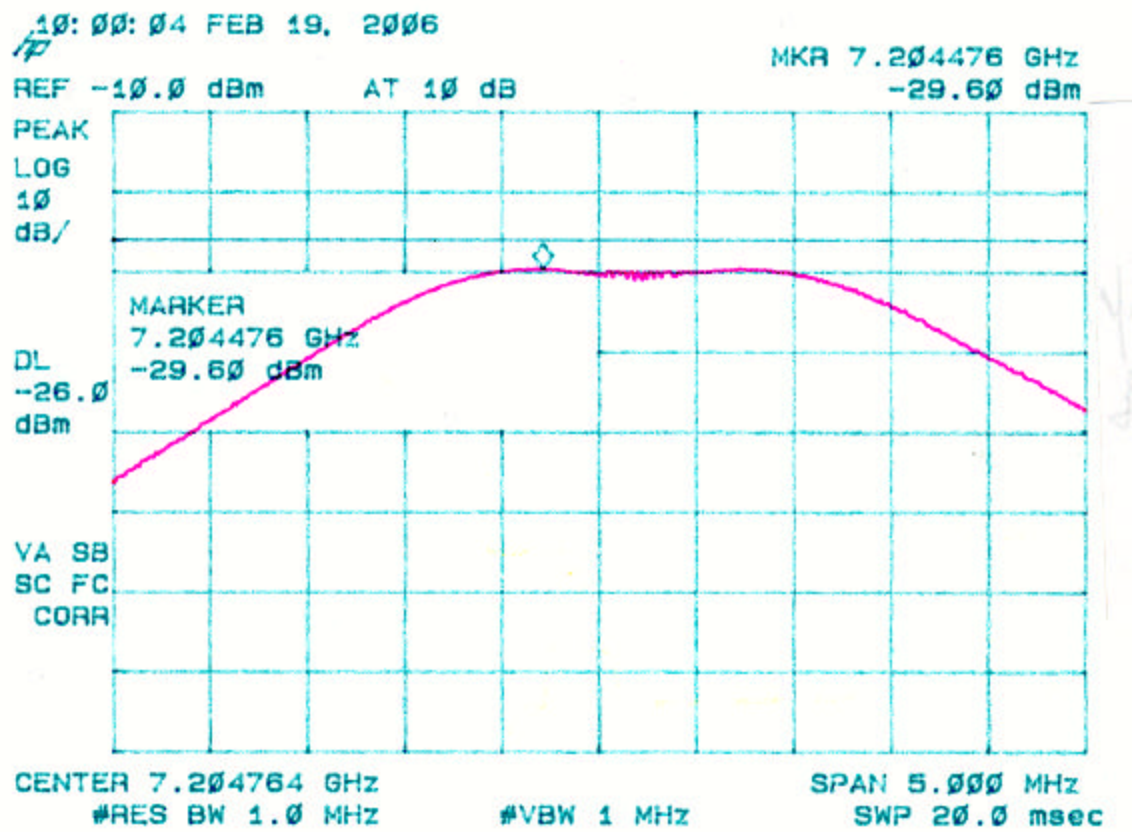


Figure 4p – 4
Peak Radiated Spurious Emission 15.247(c) Low –
Yagi Antenna

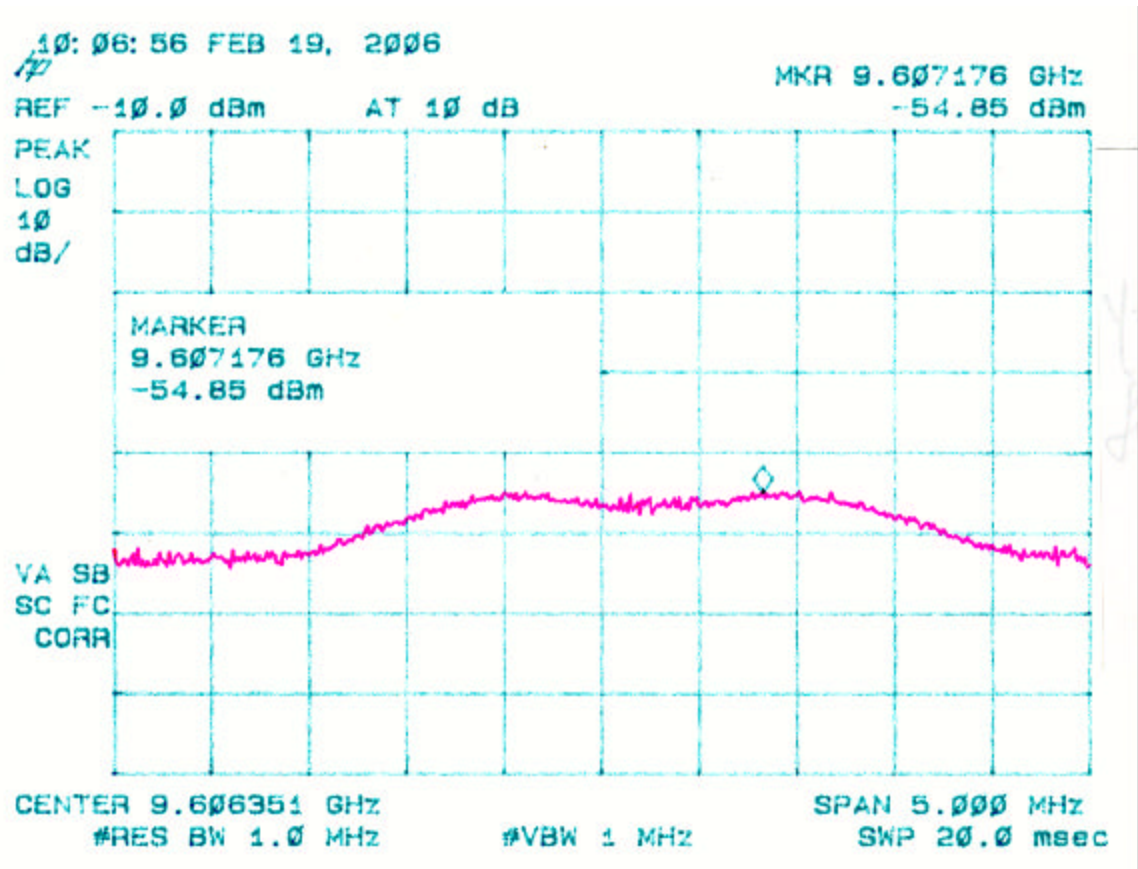
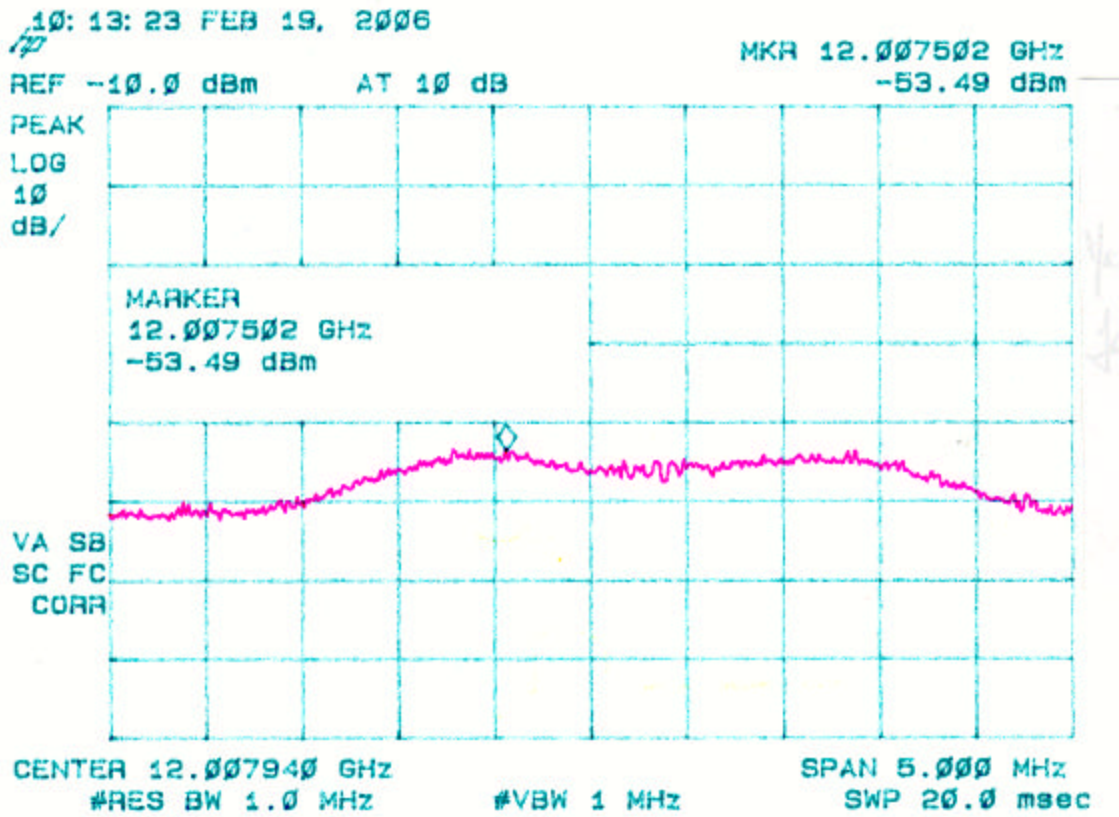


Figure 4p – 5
Peak Radiated Spurious Emission 15.247(c) Low –
Yagi Antenna



**Table 4q. PEAK RADIATED SPURIOUS EMISSIONS (Mid)
Yagi Antenna**

Radiated Spurious Emissions								
Test By:	Test:	Spurious Emissions-Yagi Antenna-Mid Channel			Client:	Cirronet		
AT	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
2435.66	-15.8	2hn3mh	91.2	31.7	1388864.9			PK
4871.65	-43.0	2hn3mh	64.0	5.7	3056.9	5000.0	4.3	PK
7306.564	-54.9	2hn3mh	52.1	10.9	1412.5	5000.0	11.0	PK**
9742.387	-63.9	2hn3mh	43.1	13.5	670.3	138886.5	46.3	PK**
12177.74	-61.2	2hn3mh	45.8	19.3	1787.2	5000.0	8.9	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 $((-43.0 + 5.7 + 107)/20)$ = 3056.9

CONVERSION FROM dBm TO dBuV = 107 dB

Tester

Signature: _____



Name: Austin Thompson

Figure 4q – 1
Peak Radiated Spurious Emission 15.247(c) Fundamental Mid –
Yagi Antenna

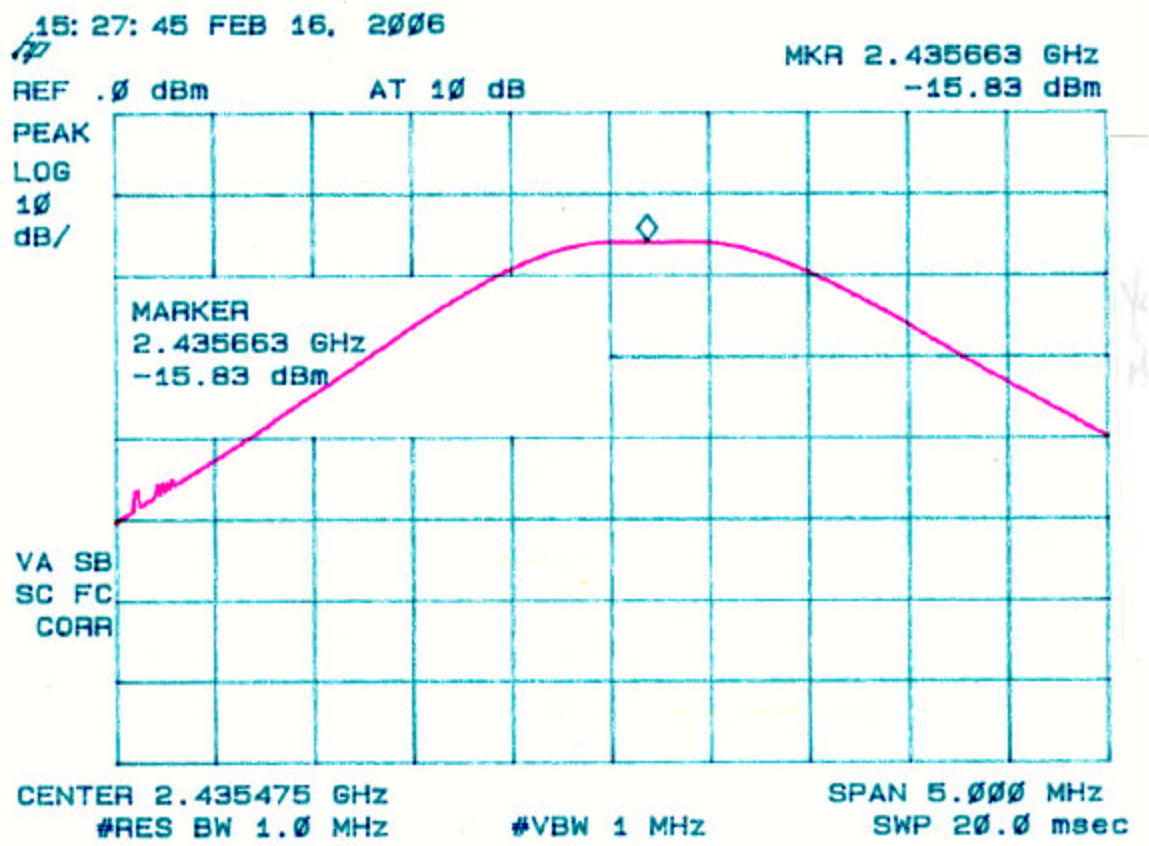


Figure 4q – 2
Peak Radiated Spurious Emission 15.247(c) Mid –
Yagi Antenna

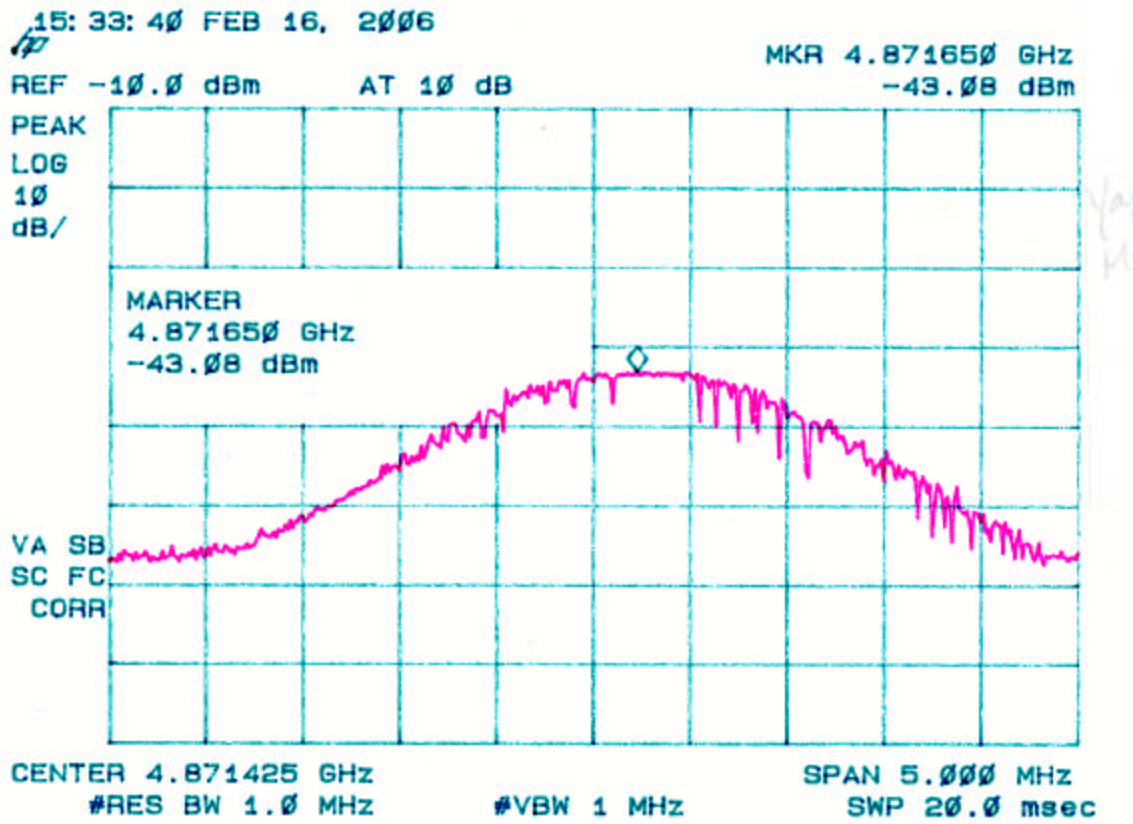


Figure 4q – 3
Peak Radiated Spurious Emission 15.247(c) Mid –
Yagi Antenna

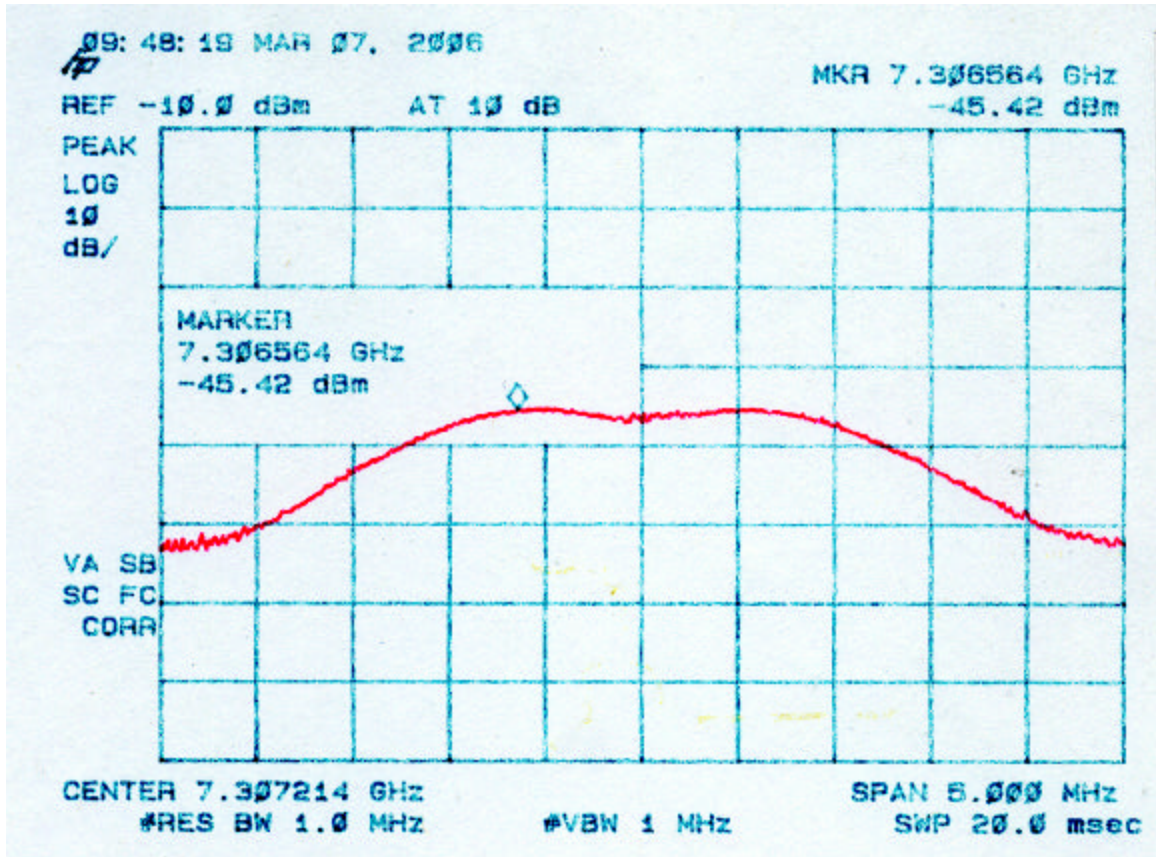


Figure 4q – 4
Peak Radiated Spurious Emission 15.247(c) Mid –
Yagi Antenna

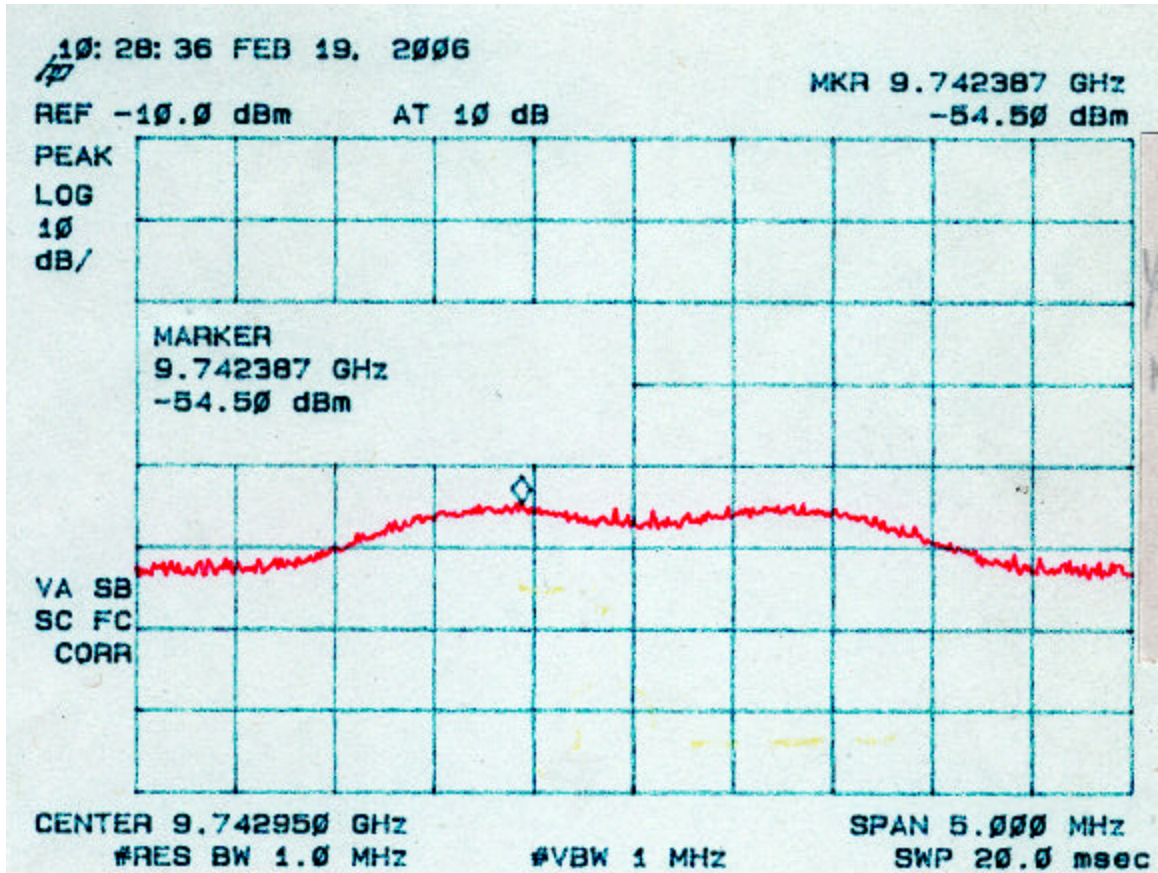


Figure 4q – 5
Peak Radiated Spurious Emission 15.247(c) Mid –
Yagi Antenna

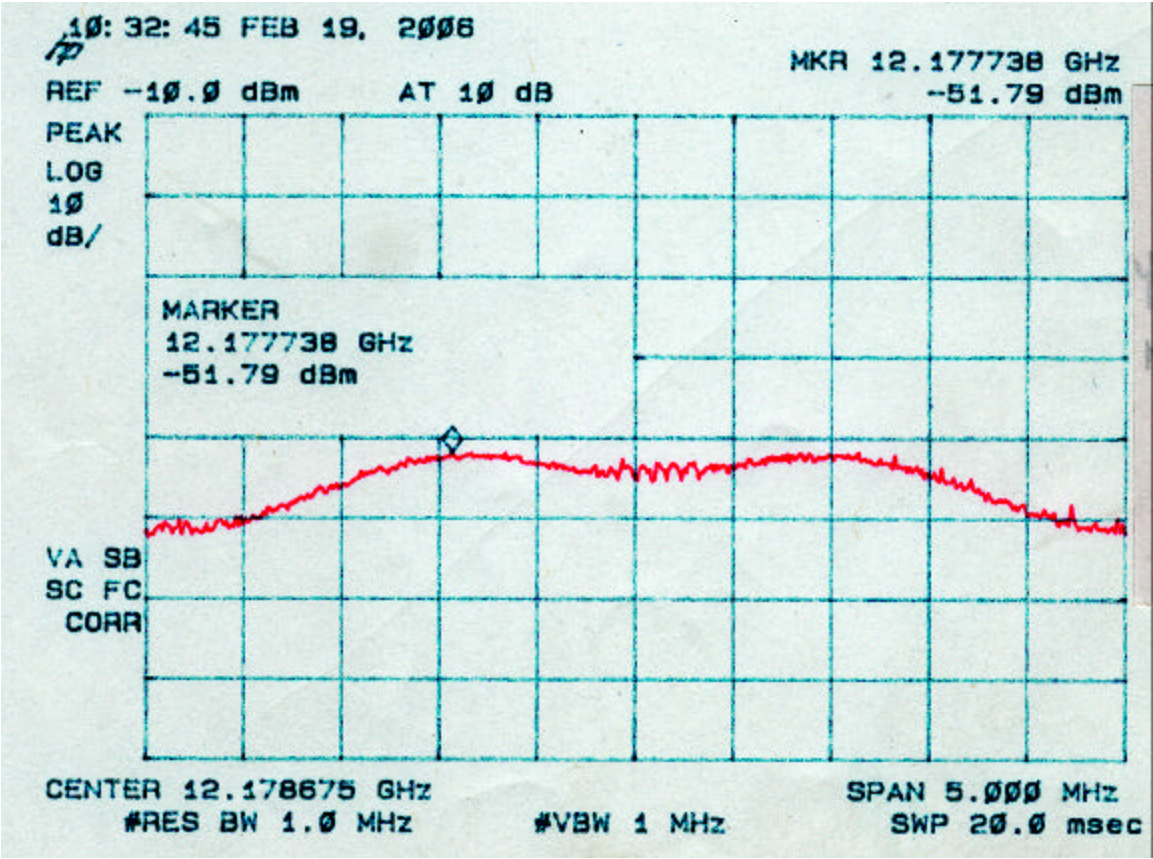


Table 4r. PEAK RADIATED SPURIOUS EMISSIONS (High)
Yagi Antenna

Radiated Spurious Emissions								
Test By:	Test:	Spurious Emissions-Yagi Antenna-High Channel			Client:	Cirronet		
AT	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
2470.00	-16.7	2hn3mh	90.4	31.7	1272067.2			PK
4939.85	-43.8	2hn3mh	63.2	5.9	2873.1	5000.0	4.8	PK
7409.075	-49.0	2hn3mh	58.1	11.0	2839.1	5000.0	4.9	PK**
9879.275	-64.4	2hn3mh	42.6	13.6	647.0	127206.7	45.9	PK**
12350.11	-64.7	2hn3mh	42.3	19.6	1241.2	5000.0	12.1	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 $((-43.8 + 5.9 + 107)/20)$ = 2873.1

CONVERSION FROM dBm TO dBuV = 107 dB

Tester

Signature: _____



Name: Austin Thompson

Figure 4r – 1
Peak Radiated Spurious Emission 15.247(c) Fundamental High –
Yagi Antenna

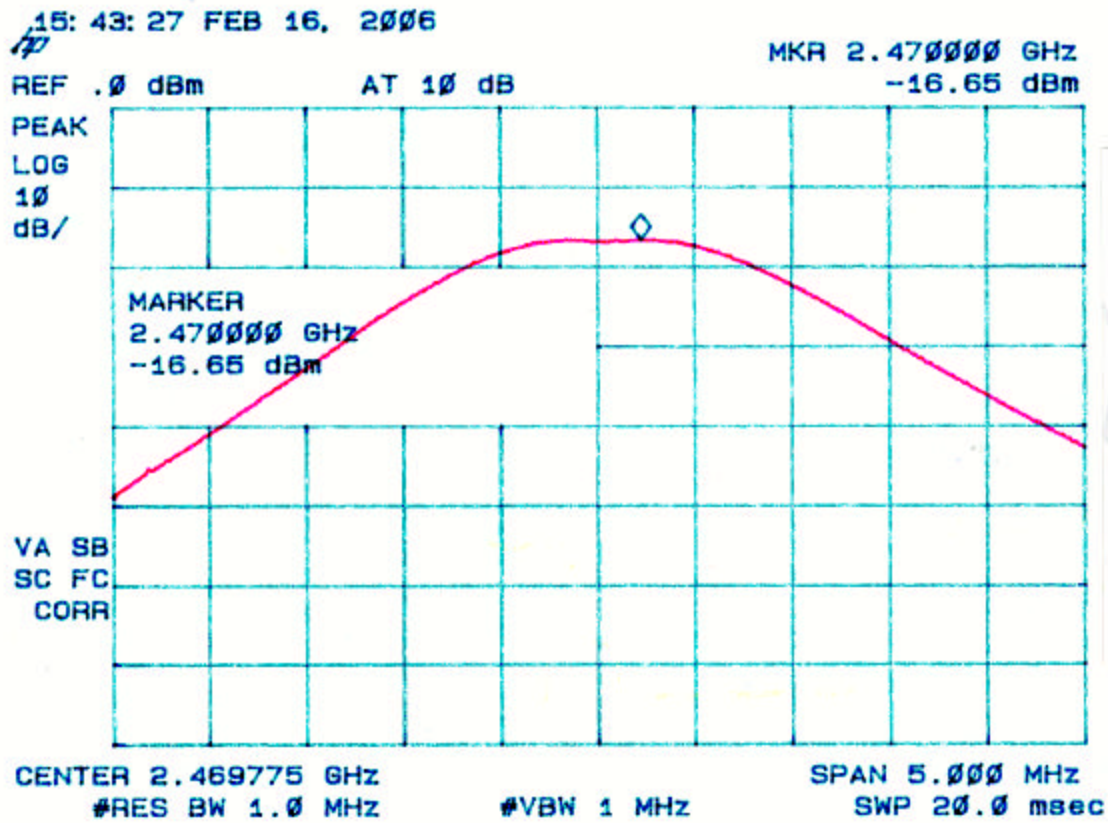


Figure 4r – 2
Peak Radiated Spurious Emission 15.247(c) High –
Yagi Antenna

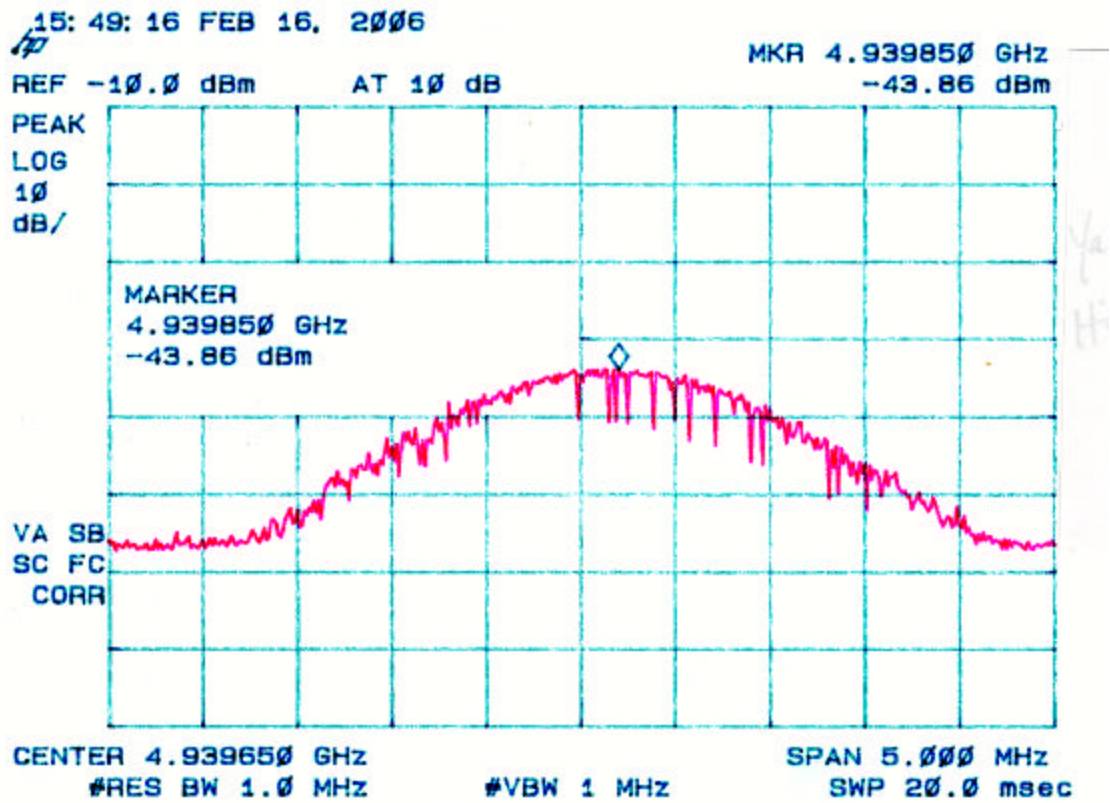


Figure 4r – 3
Peak Radiated Spurious Emission 15.247(c) High –
Yagi Antenna

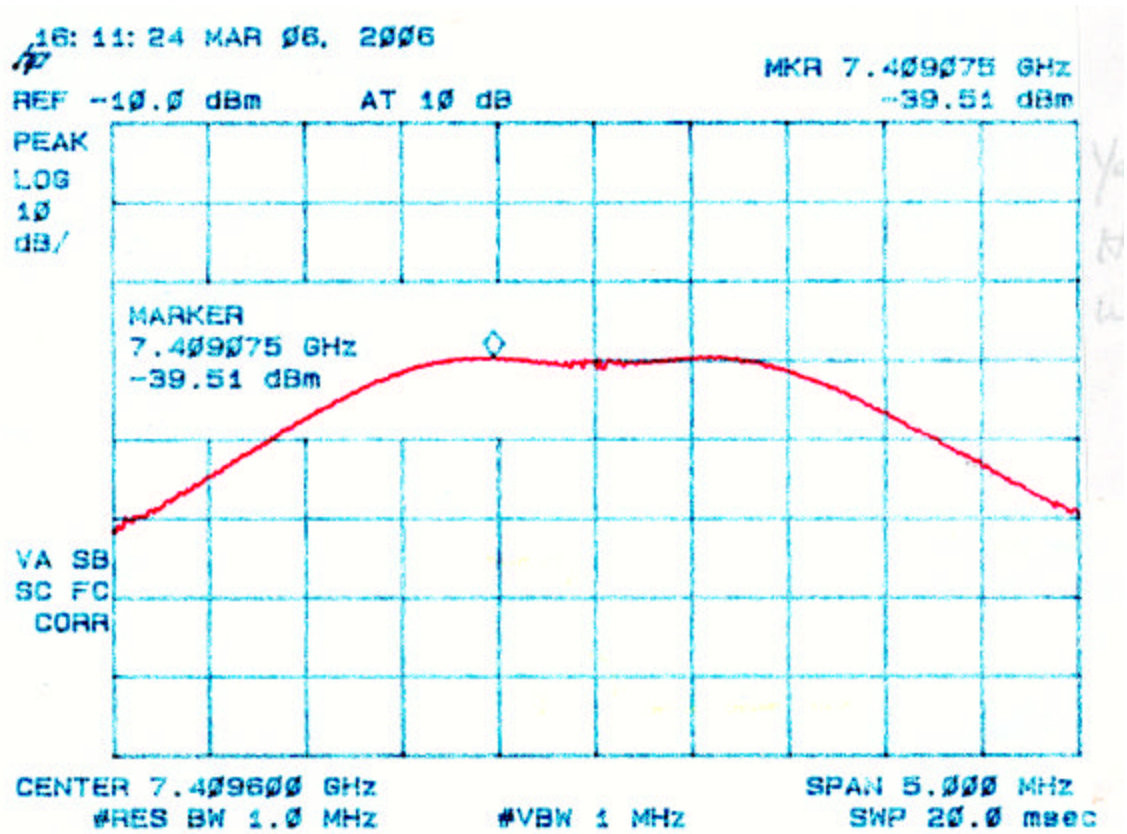


Figure 4r – 4
Peak Radiated Spurious Emission 15.247(c) High –
Yagi Antenna

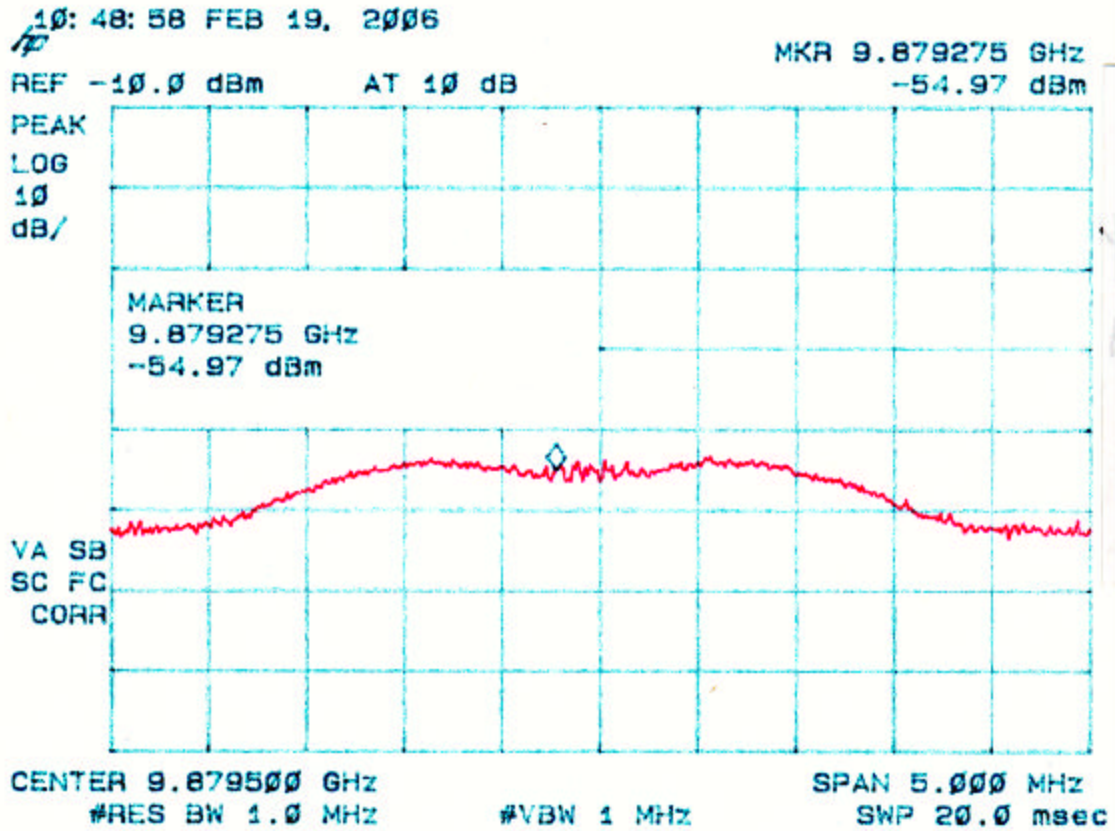


Figure 4r – 5
Peak Radiated Spurious Emission 15.247(c) High –
Yagi Patch Antenna

