

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

Radiated Spurious Emissions								
Test By:	Test:	Spurious Emissions-Yagi 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
2402.55	-11.2	2hn3mh	95.8	31.6	2346452.0			PK
4803.46	-50.8	2hn3mh	56.2	5.4	1208.4	5000.0	12.3	PK
7204.9	-50.0	2hn3mh	57.0	10.7	2428.7	234645.2	39.7	PK**
9606.7	-52.0	2hn3mh	55.0	13.3	2601.9	234645.2	39.1	PK**
12007.5	-68.6	2hn3mh	38.4	18.9	735.8	5000.0	16.6	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 ((-50.8 + 5.4 + 107)/20) = 1208.4

CONVERSION FROM dBm TO dBuV = 107 dB

Tester

Signature:



Name: Austin Thompson

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

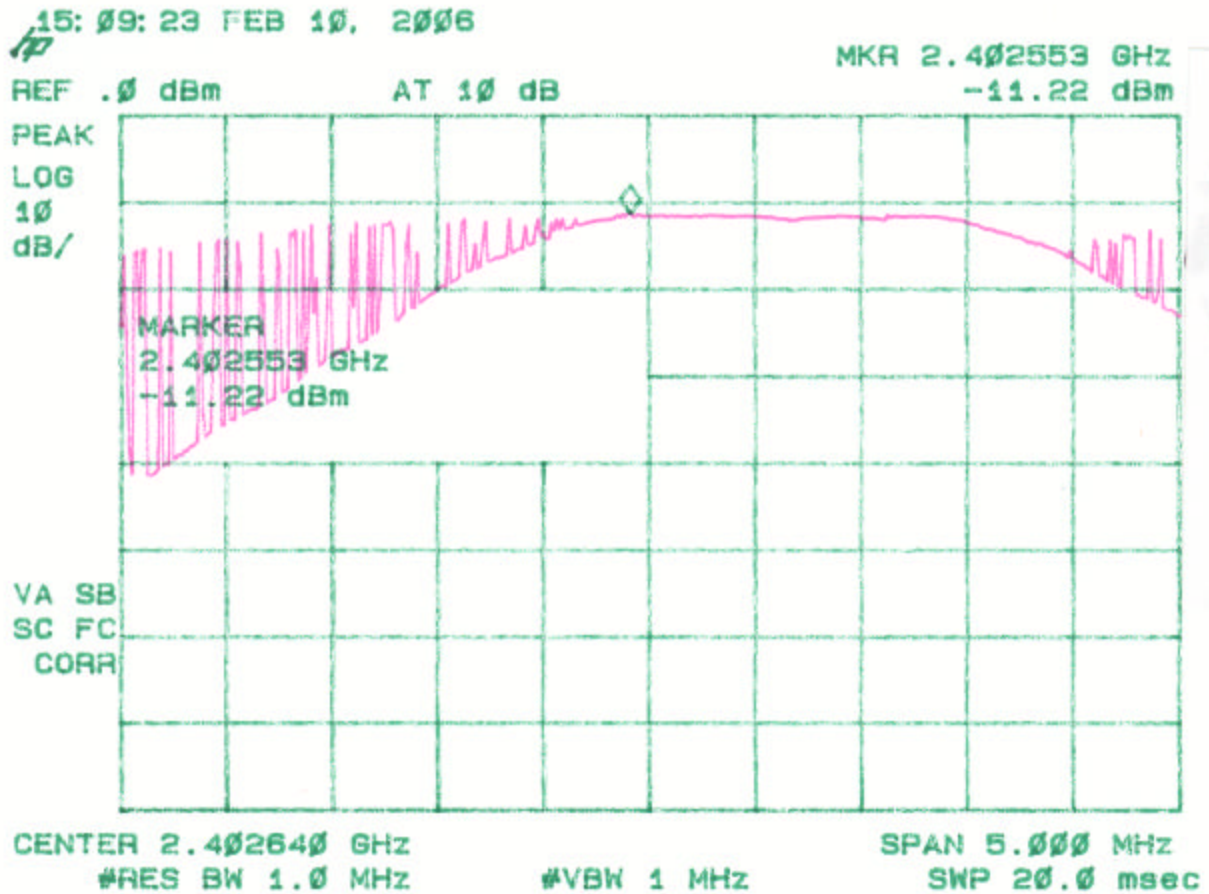


Figure 4m – 2
Peak Radiated Spurious Emission 15.247(c) Low - Yagi Antenna

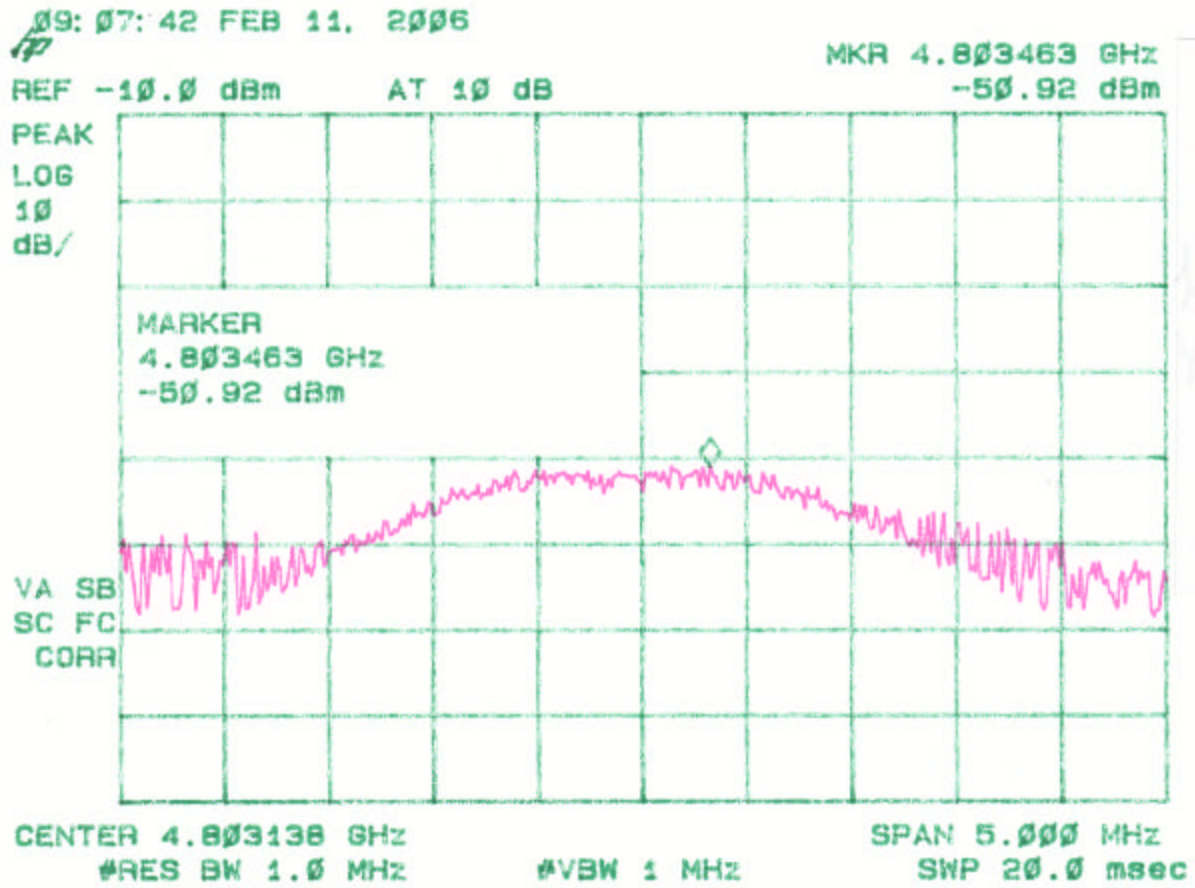


Figure 4m – 3
Peak Radiated Spurious Emission 15.247(c) Low - Yagi Antenna

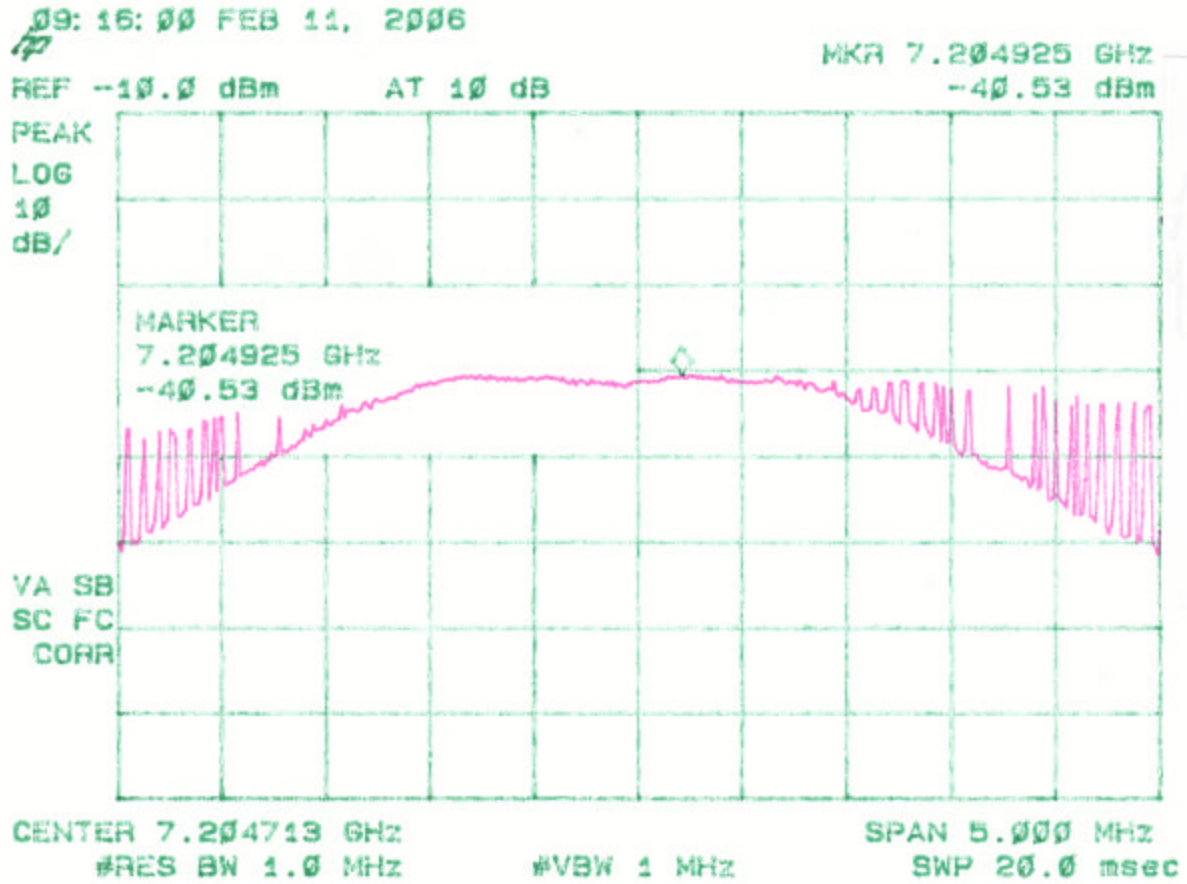


Figure 4m – 4
Peak Radiated Spurious Emission 15.247(c) Low - Yagi Antenna

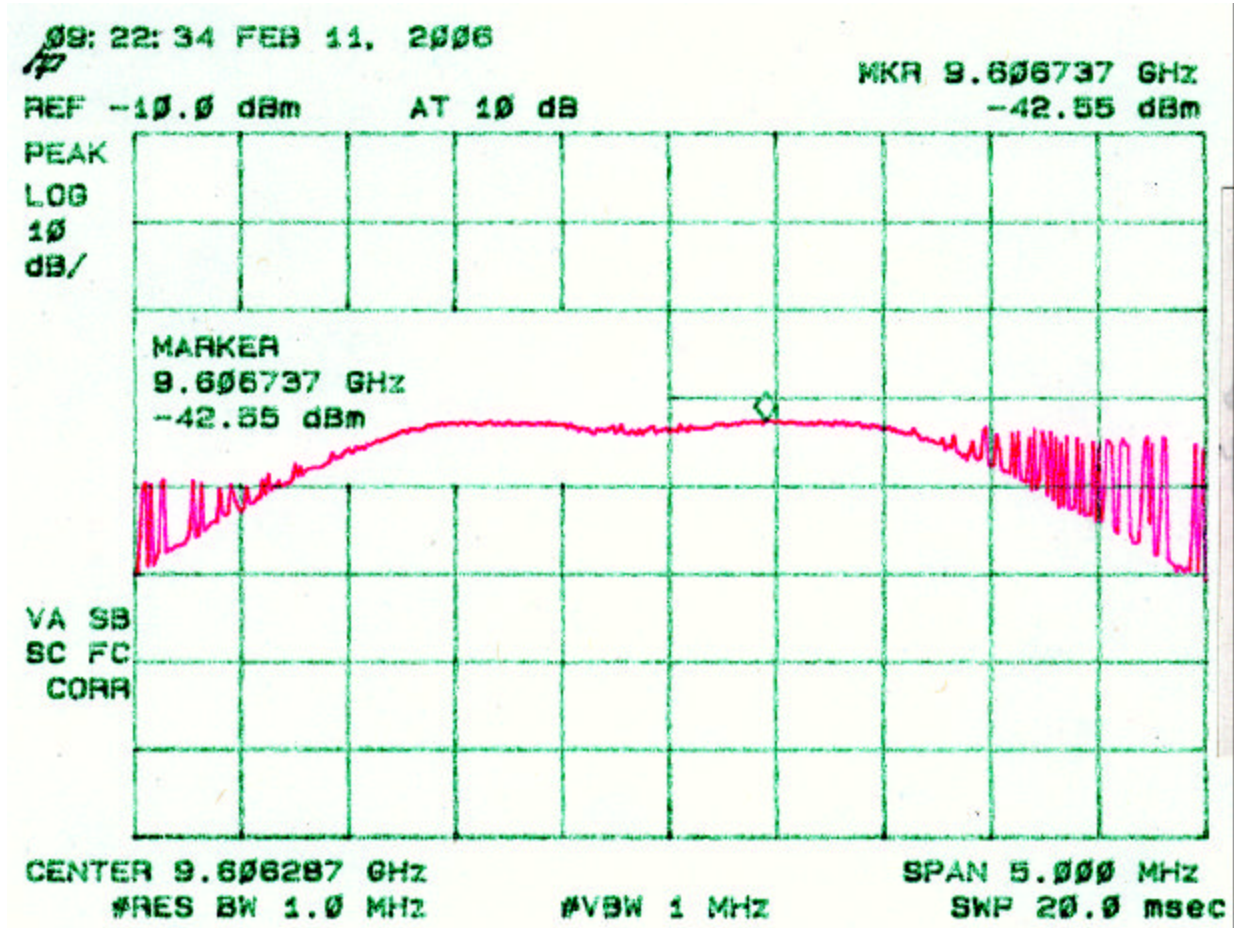


Figure 4m – 5
Peak Radiated Spurious Emission 15.247(c) Low - Yagi Antenna

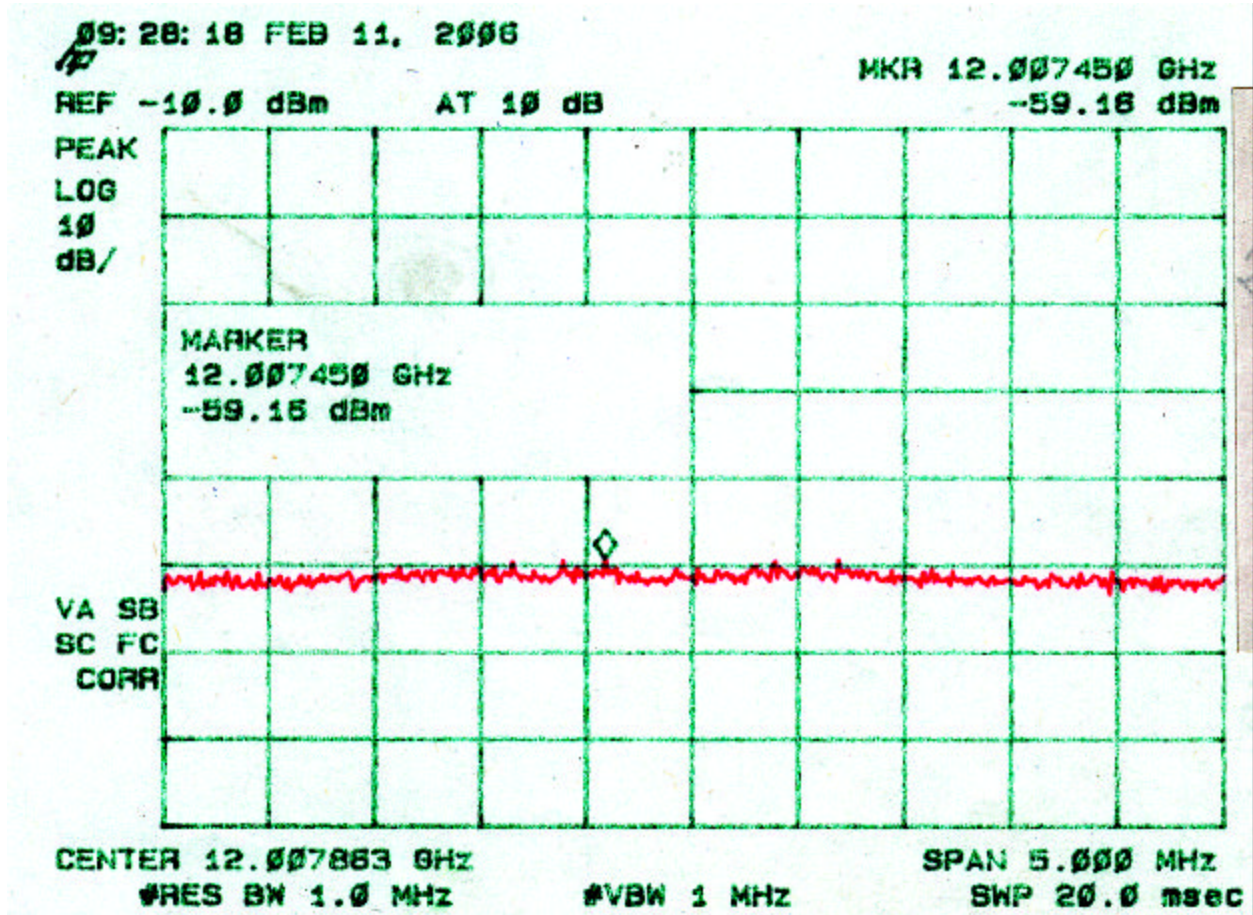


Table 4n. PEAK RADIATED SPURIOUS EMISSIONS (Mid)
Yagi Antenna

Radiated Spurious Emissions								
Test By:	Test:	Spurious Emissions-Yagi 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+C A-AMP	Results	Limits	Margin	PK = n
(MHz)	(dBm)	Table	(dBuV)	(dB)	(uV/m)	(uV/m)	(dB)	/ QP
2433.13	-20.2	2hn3mh	86.8	31.7	841297.8			PK
4865.99	-45.1	2hn3mh	61.9	5.7	2389.4	5000.0	6.4	PK
7299.4	-57.1	2hn3mh	49.9	10.8	1090.1	5000.0	13.2	PK**
9732.7	-45.1	2hn3mh	61.9	13.5	5857.7	84129.8	23.1	PK**
12166	-64.7	2hn3mh	42.3	19.3	1195.4	5000.0	12.4	PK**
14598.9	-64.0	2hn3mh	43.0	22.8	1952.8	84129.8	32.7	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 ((-45.1 + 5.7 + 107)/20) = 2389.4

CONVERSION FROM dBm TO dBuV = 107 dB

Tester

Signature:



Name: Austin Thompson

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

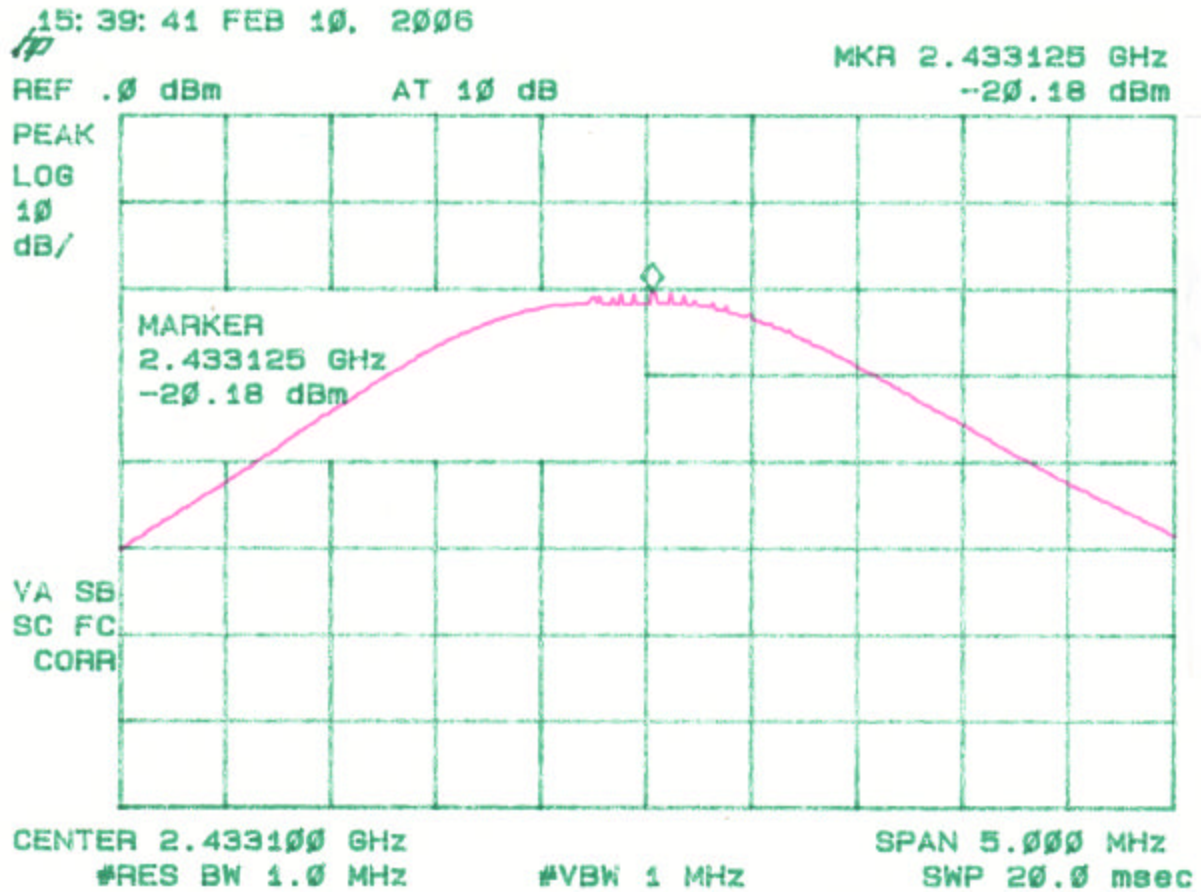


Figure 4n – 2
Peak Radiated Spurious Emission 15.247(c) Mid - Yagi Antenna

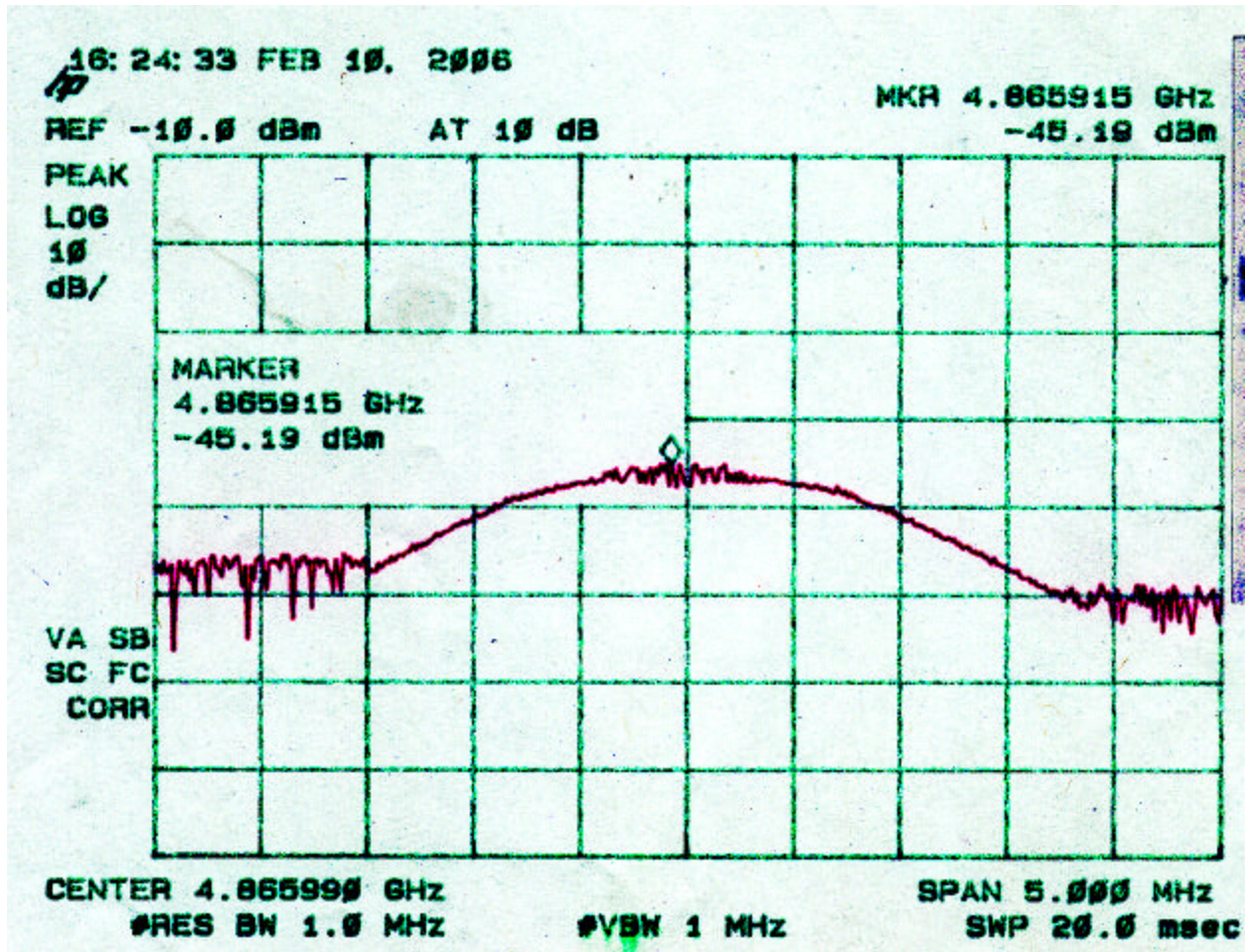


Figure 4n – 3
Peak Radiated Spurious Emission 15.247(c) Mid - Yagi Antenna

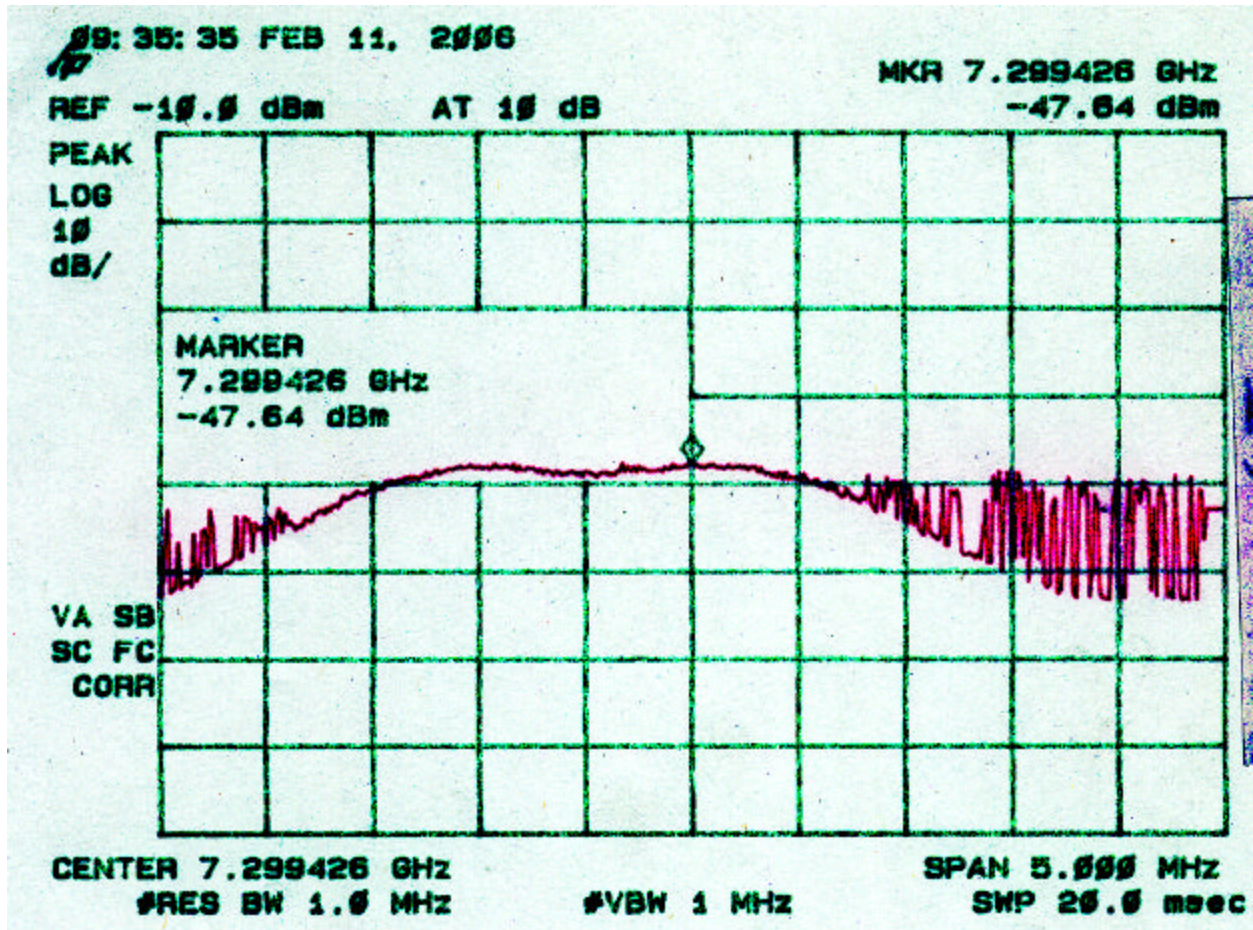


Figure 4n – 4
Peak Radiated Spurious Emission 15.247(c) Mid - Yagi Antenna

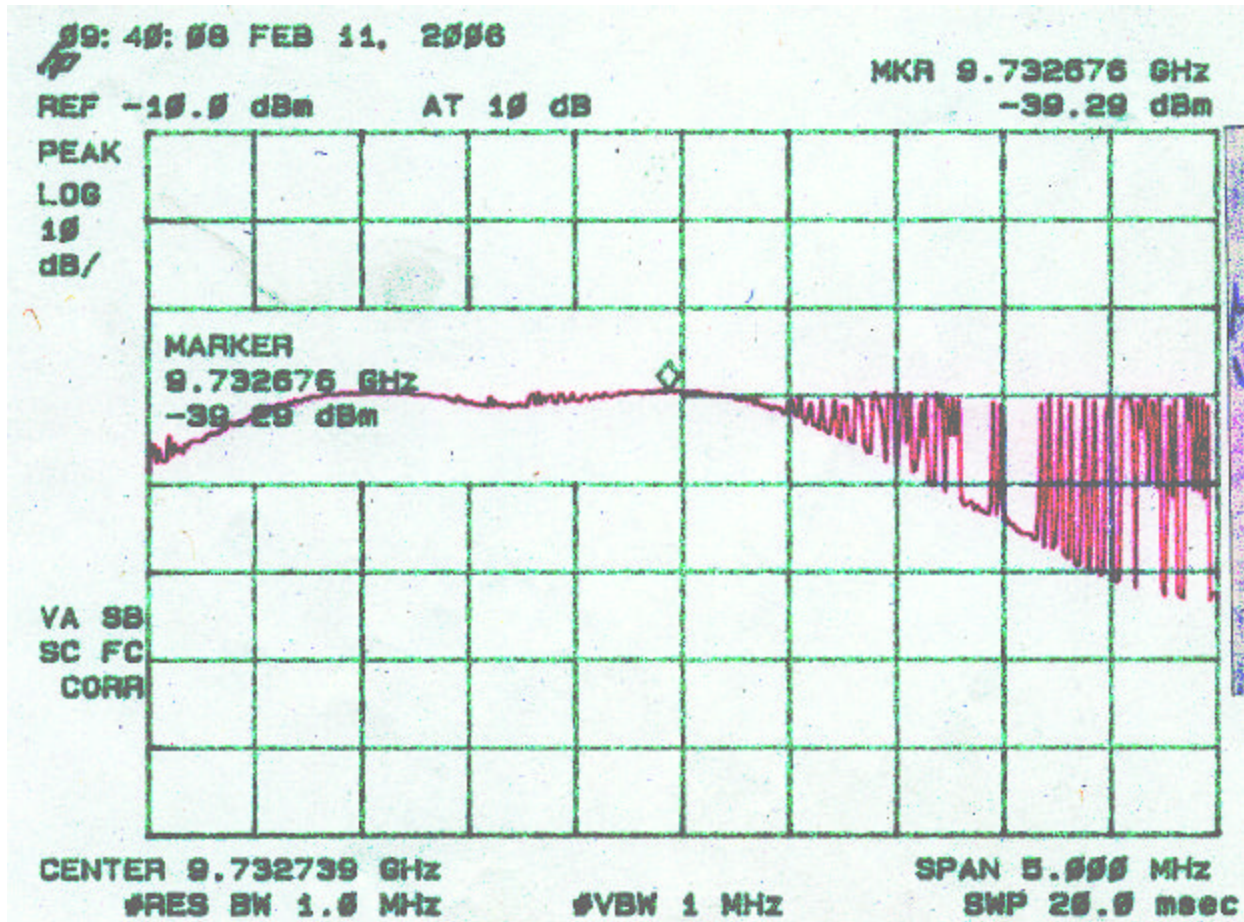


Figure 4n – 5
Peak Radiated Spurious Emission 15.247(c) Mid - Yagi Antenna

Plot Not Available

Figure 4n – 6
Peak Radiated Spurious Emission 15.247(c) Mid - Yagi Antenna

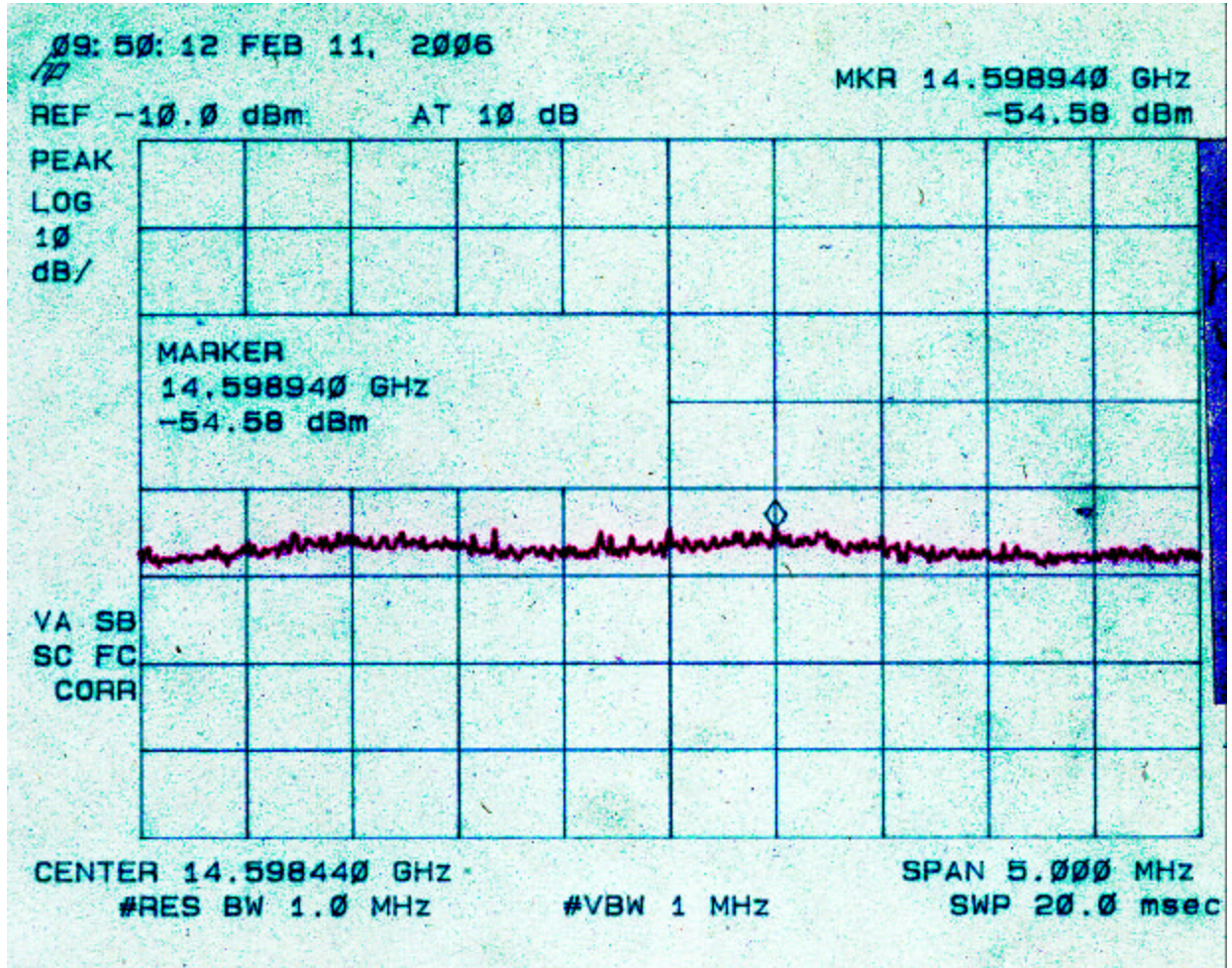


Table 4a. PEAK RADIATED SPURIOUS EMISSIONS (High)
Yagi Antenna

Radiated Spurious Emissions								
Test By:	Test:	Spurious Emissions-Yagi 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
2475.40	-12.4	2hn3mh	94.6	31.7	12074713.6			PK
4950.79	-44.3	2hn3mh	62.7	6.0	2712.0	5000.0	5.3	PK
7426.26	-53.6	2hn3mh	53.4	11.0	1667.1	5000.0	9.5	PK**
9901.3	-44.9	2hn3mh	62.1	13.3	633.1	207471.4	30.6	PK**
12375.7	-60.9	2hn3mh	46.1	19.7	1942.6	5000.0	8.2	PK**
14853.4	-63.8	2hn3mh	43.2	22.5	1933.2	207471.4	40.6	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 ((-44.3 + 6.0 + 107)/20) = 2712.0

CONVERSION FROM dBm TO dBuV = 107 dB

Tester

Signature:



Name: Austin Thompson

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

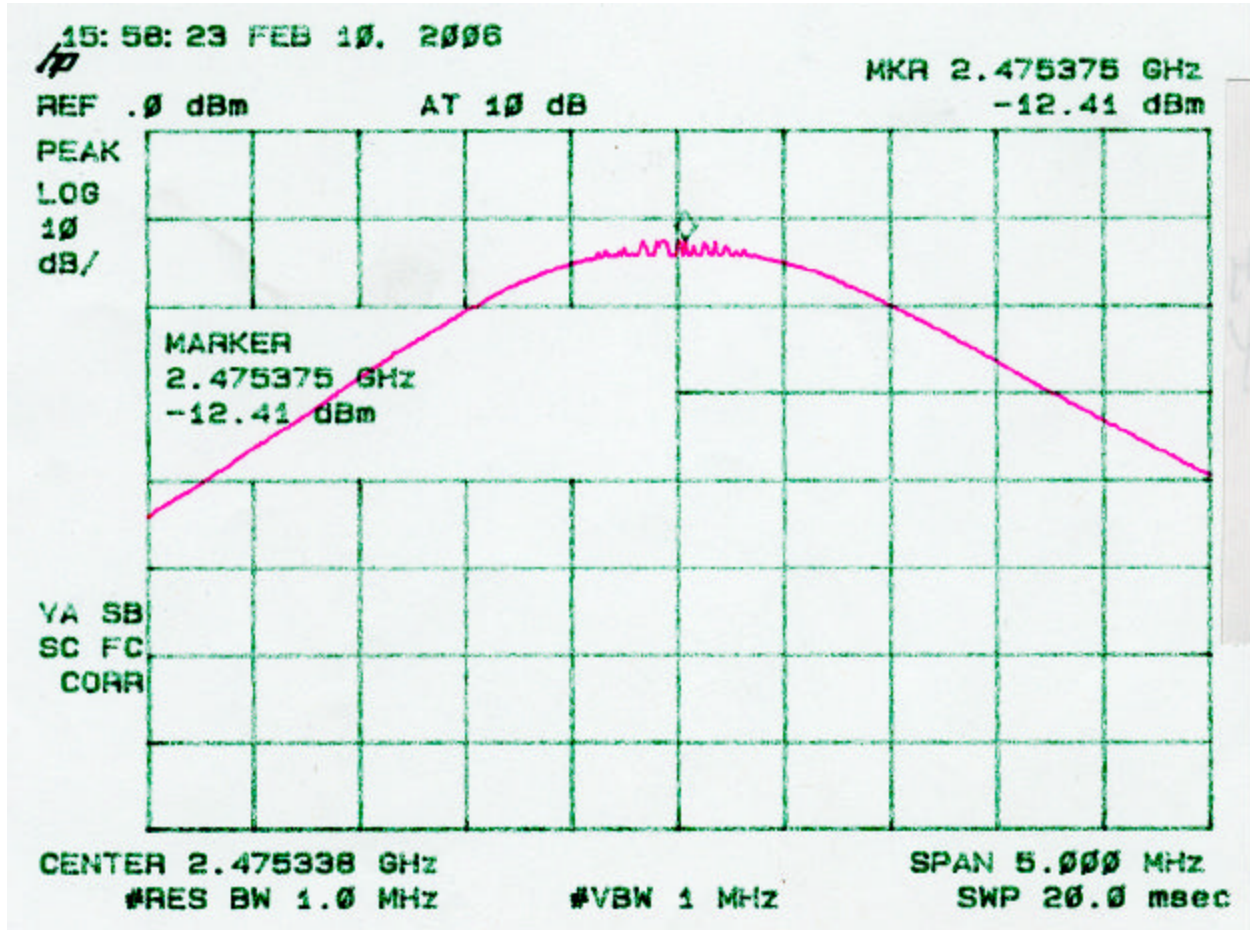


Figure 4o – 2
Peak Radiated Spurious Emission 15.247(c) High - Yagi Antenna

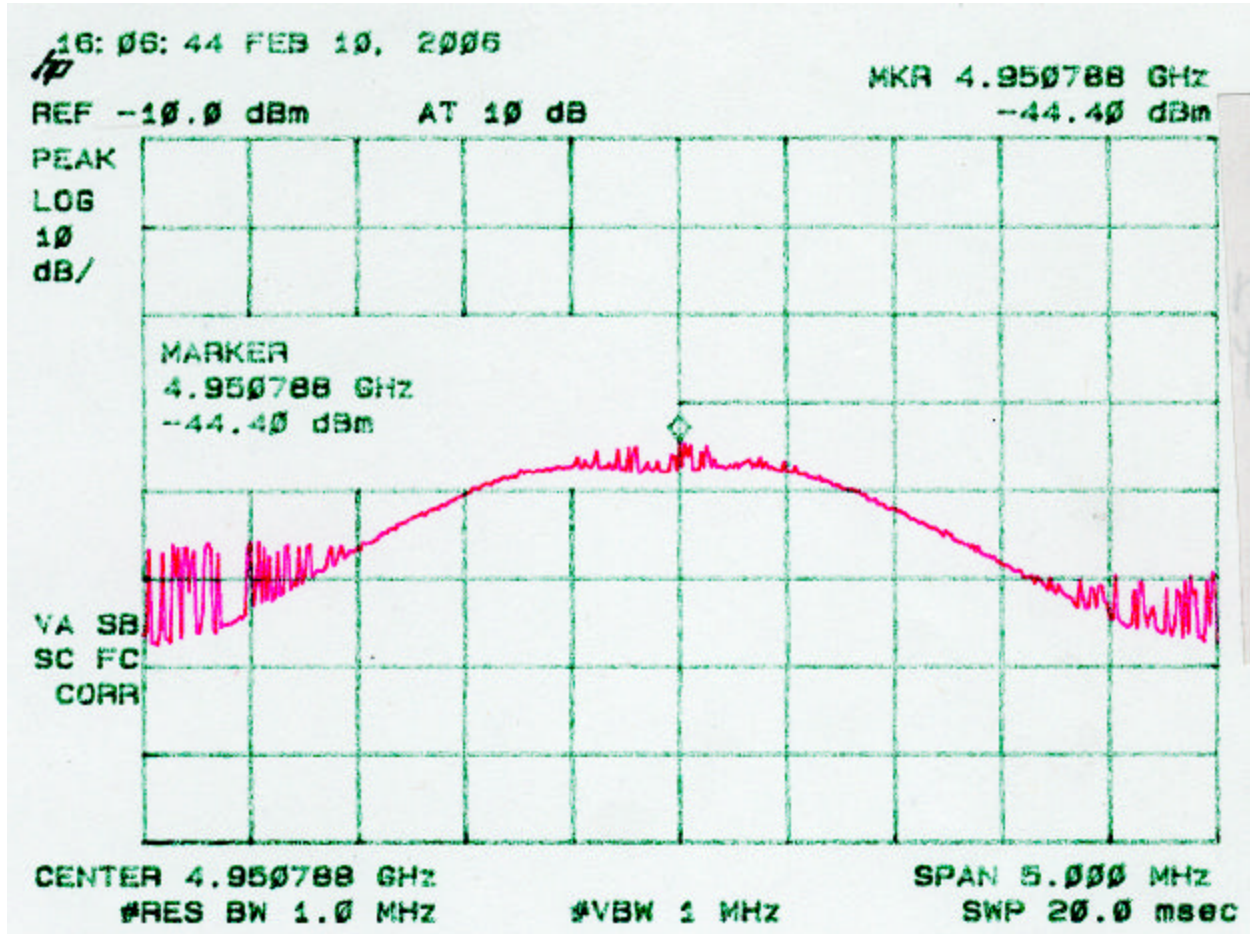


Figure 4o – 3
Peak Radiated Spurious Emission 15.247(c) High - Yagi Antenna

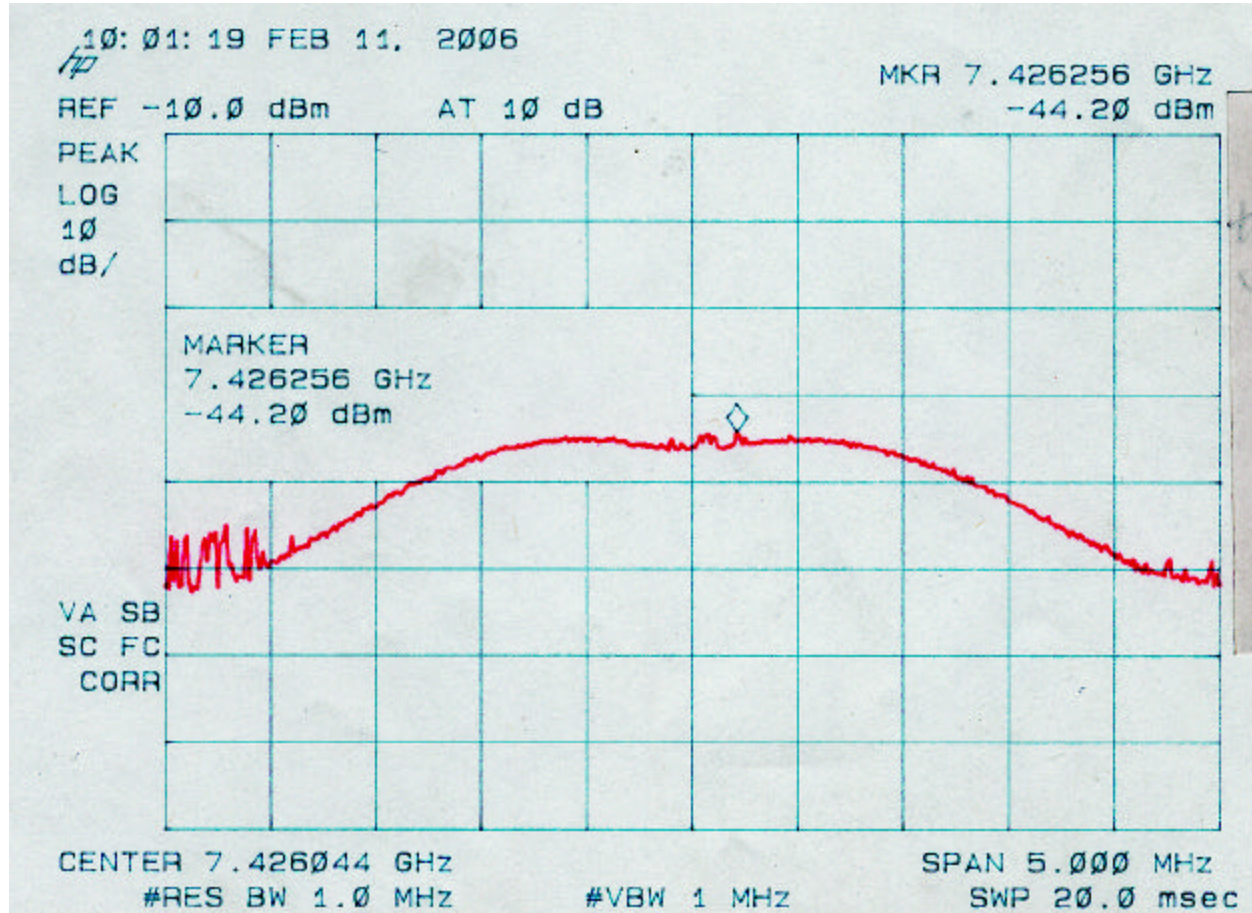


Figure 4o – 4
Peak Radiated Spurious Emission 15.247(c) High - Yagi Antenna

