

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

Radiated Spurious Emissions								
Test By:	Test:	Spurious Emissions-Whip 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
2401.53	-22.7	2hn3mh	84.3	31.6	624204.0			PK
4803.726	-44.2	2hn3mh	62.9	5.4	2598.7	5000.0	5.7	PK
7205.389	-40.5	2hn3mh	66.5	10.7	7267.8	62420.4	18.7	PK**
9605.926	-59.5	2hn3mh	47.5	13.3	1102.2	62420.4	35.1	PK**
12007.4	-65.6	2hn3mh	41.4	18.9	1044.1	5000.0	13.6	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 ((-44.2 + 5.4 + 107)/20) = 2598.7

CONVERSION FROM dBm TO dBuV = 107 dB

Tester

Signature: _____



Name: Austin Thompson

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

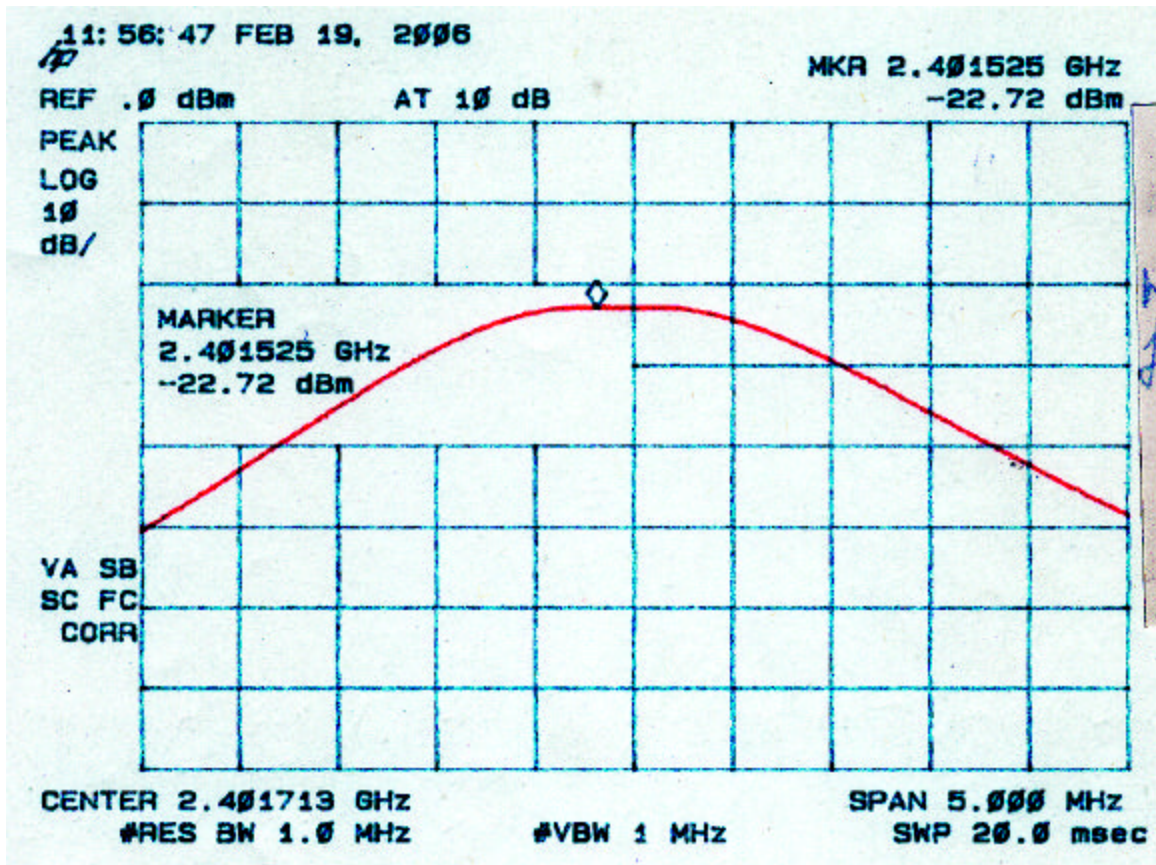


Figure 4m – 2
Peak Radiated Spurious Emission 15.247(c) Low –
Gold Whip Antenna

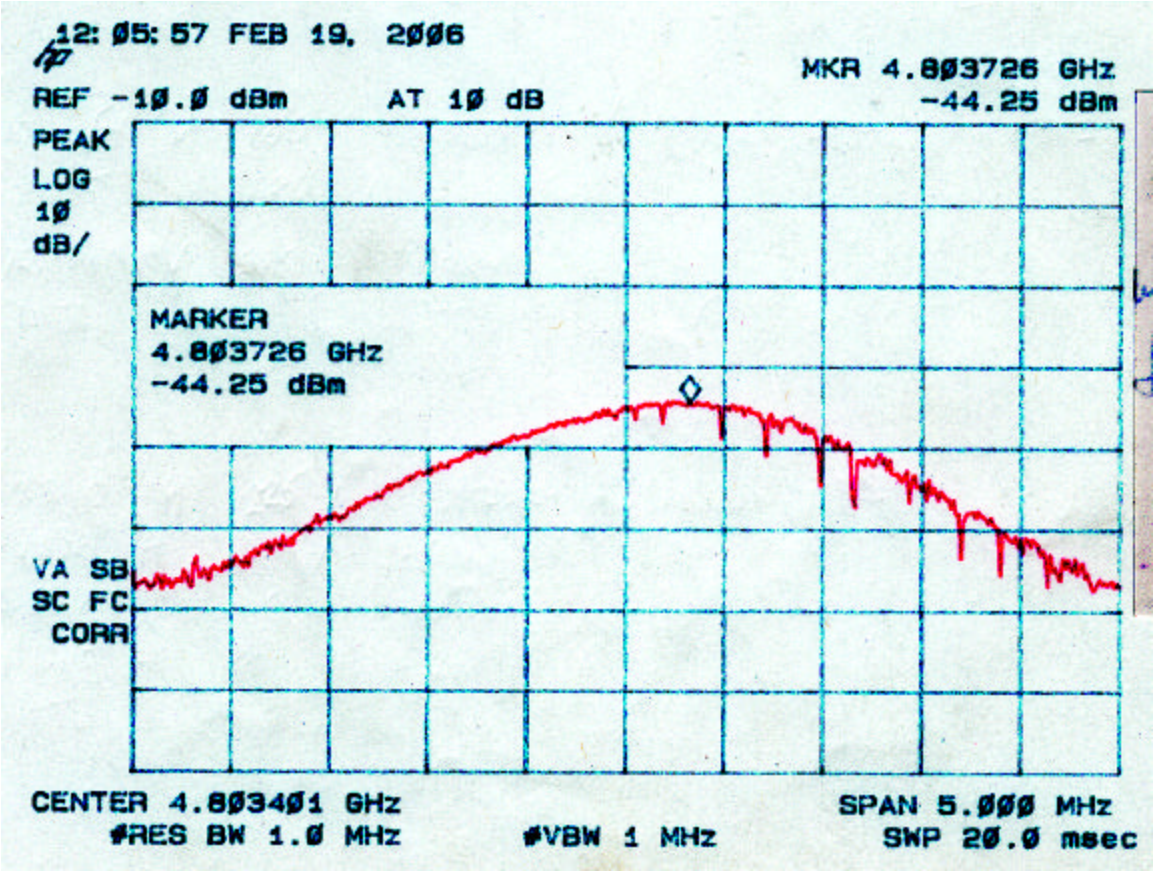


Figure 4m – 3
Peak Radiated Spurious Emission 15.247(c) Low –
Gold Whip Antenna

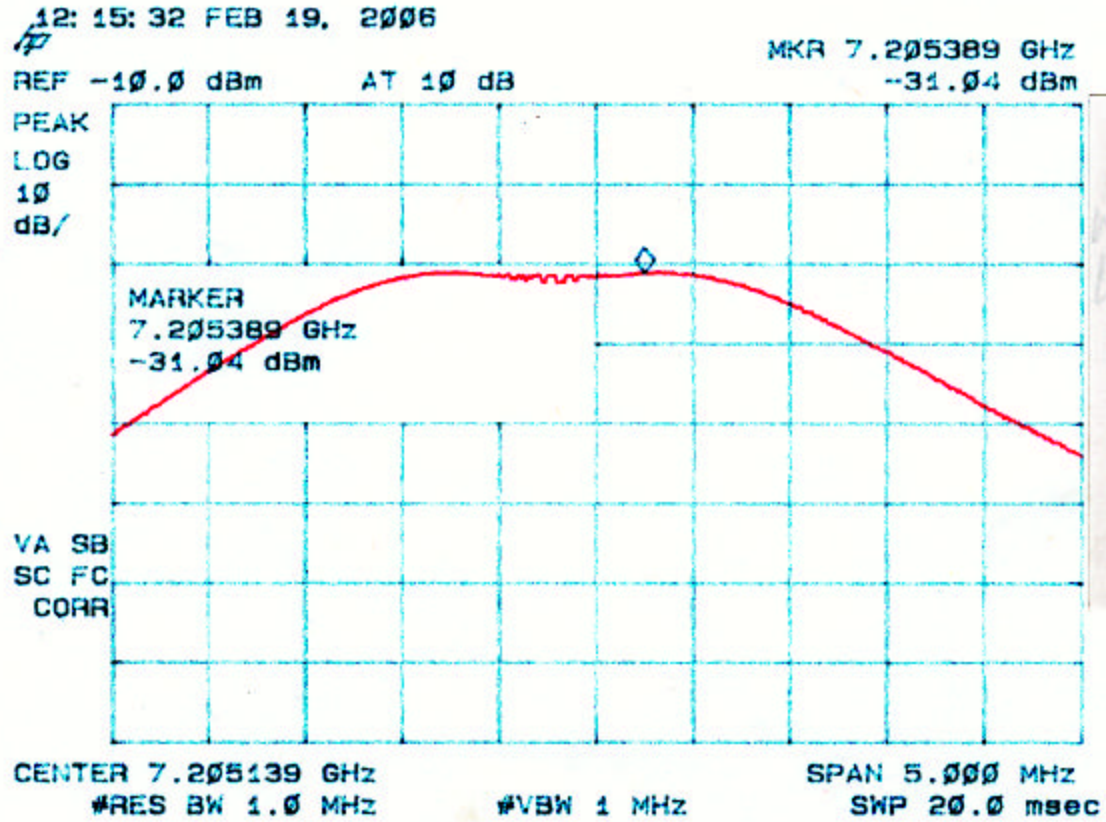


Figure 4m – 4
Peak Radiated Spurious Emission 15.247(c) Low –
Gold Whip Antenna

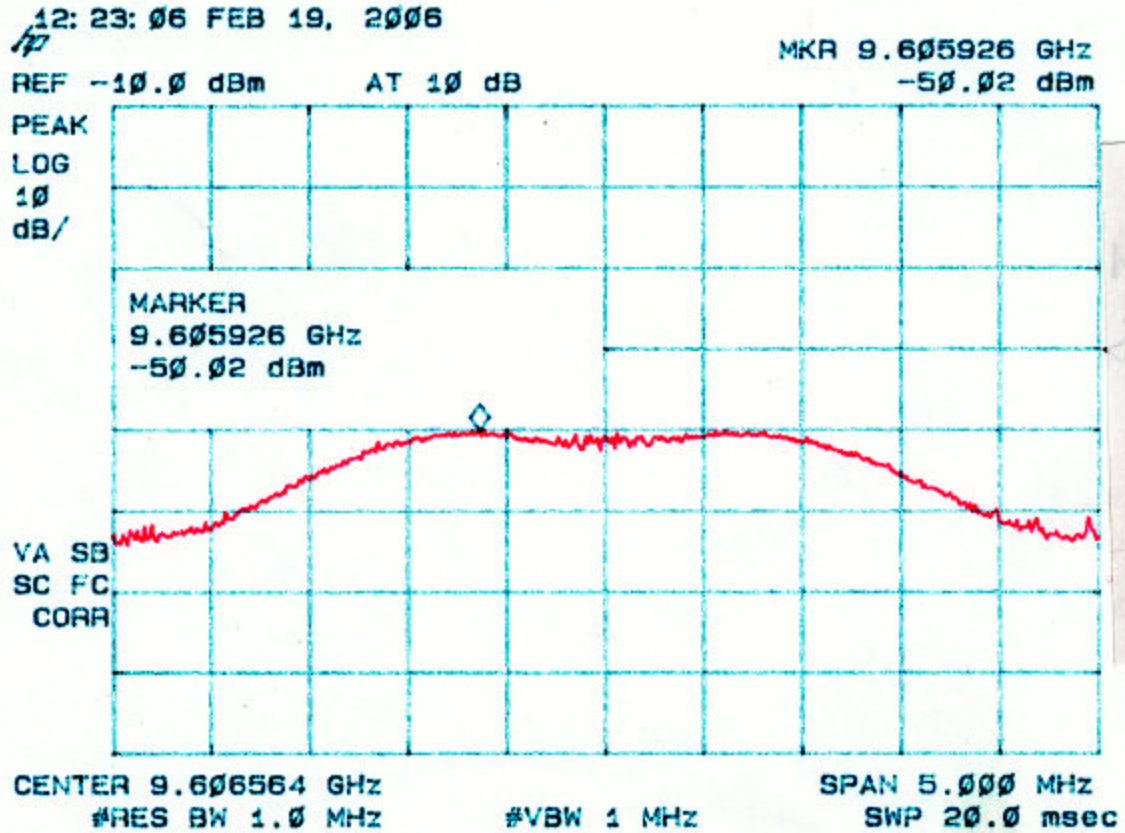


Figure 4m – 5
Peak Radiated Spurious Emission 15.247(c) Low –
Gold Whip Antenna

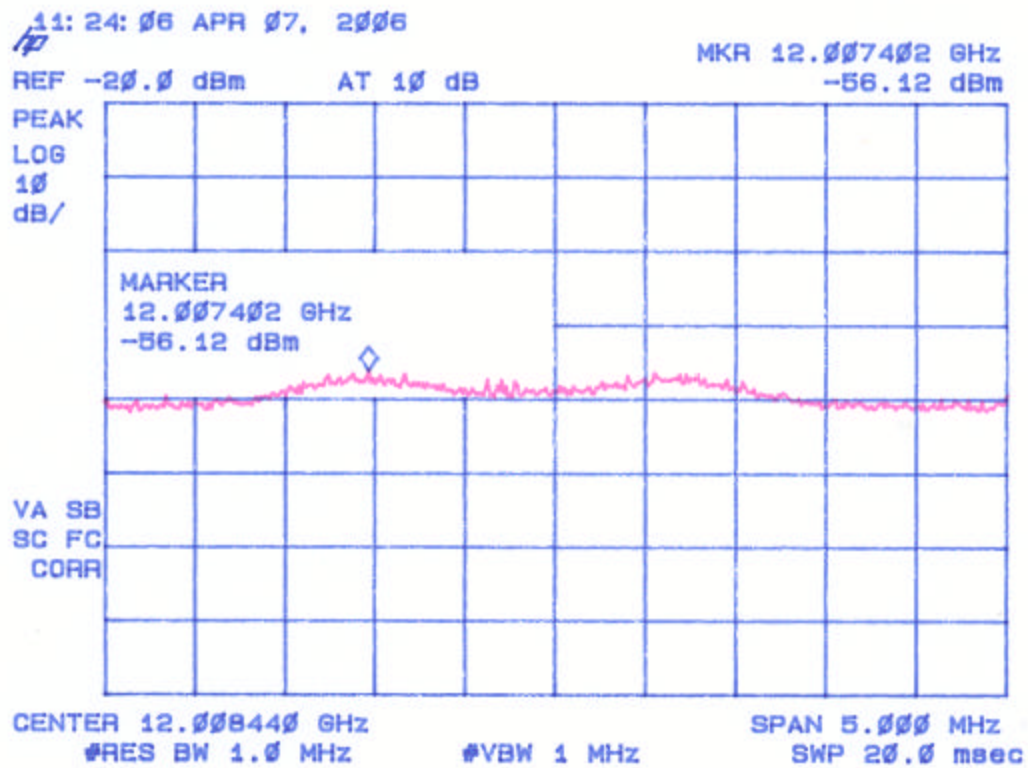


Table 4n. PEAK RADIATED SPURIOUS EMISSIONS (Mid)
Gold Whip Antenna

Radiated Spurious Emissions								
Test By:	Test:	Spurious Emissions-Whip 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
2435.71	-25.9	2hn3mh	81.2	31.7	438191.7			PK
4871.763	-52.8	2hn3mh	54.2	5.7	983.6	5000.0	14.1	PK
7307.788	-46.0	2hn3mh	61.0	10.9	3900.2	5000.0	2.2	PK**
9743.639	-60.6	2hn3mh	46.4	13.5	981.5	43819.2	33.0	PK**
12179.78	-61.2	2hn3mh	45.8	19.3	1802.6	5000.0	8.9	PK**
14615.45	-64.4	2hn3mh	42.6	22.8	1860.9	43819.2	27.4	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 $((-52.8 + 5.7 + 107)/20)$ = 983.6

CONVERSION FROM dBm TO dBuV = 107 dB

Tester
Signature: _____



Name: Austin Thompson

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

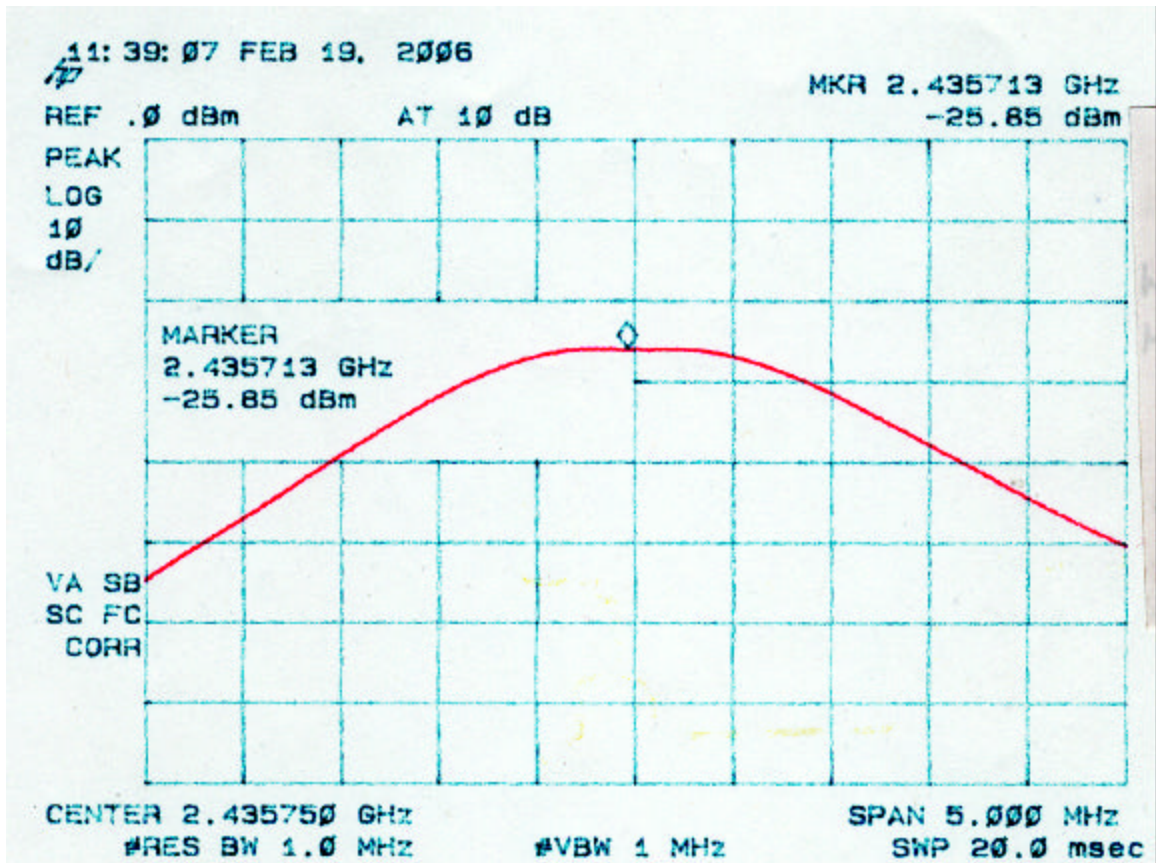


Figure 4n – 2
Peak Radiated Spurious Emission 15.247(c) Mid –
Gold Whip Antenna

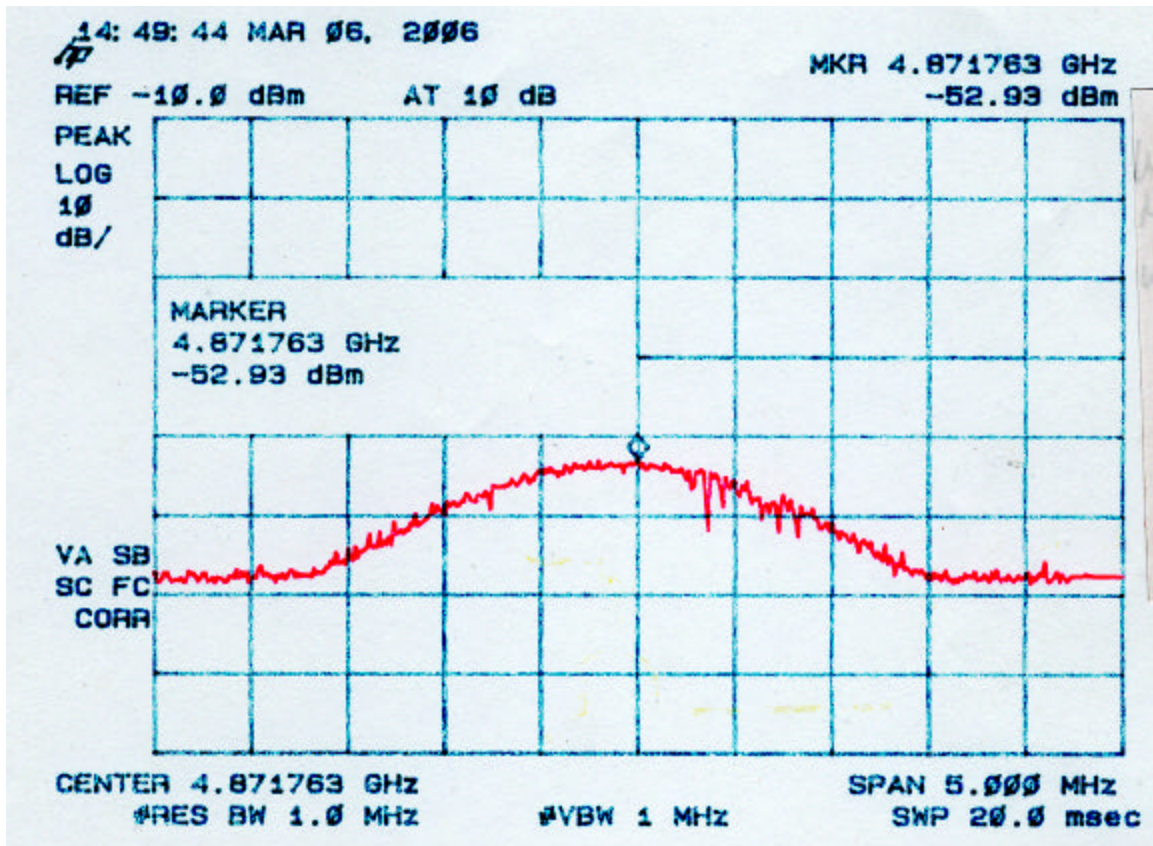


Figure 4n – 3
Peak Radiated Spurious Emission 15.247(c) Mid –
Gold Whip Antenna

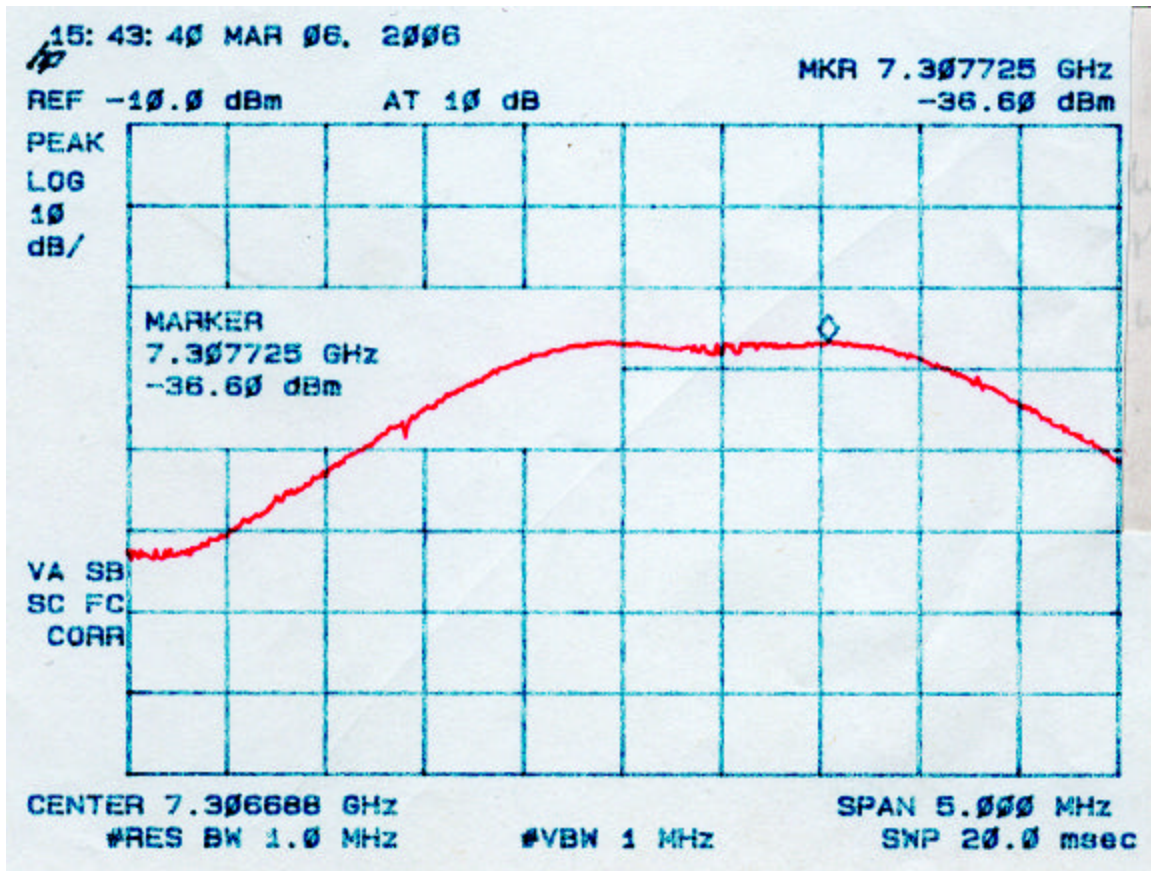


Figure 4n – 4
Peak Radiated Spurious Emission 15.247(c) Mid –
Gold Whip Antenna

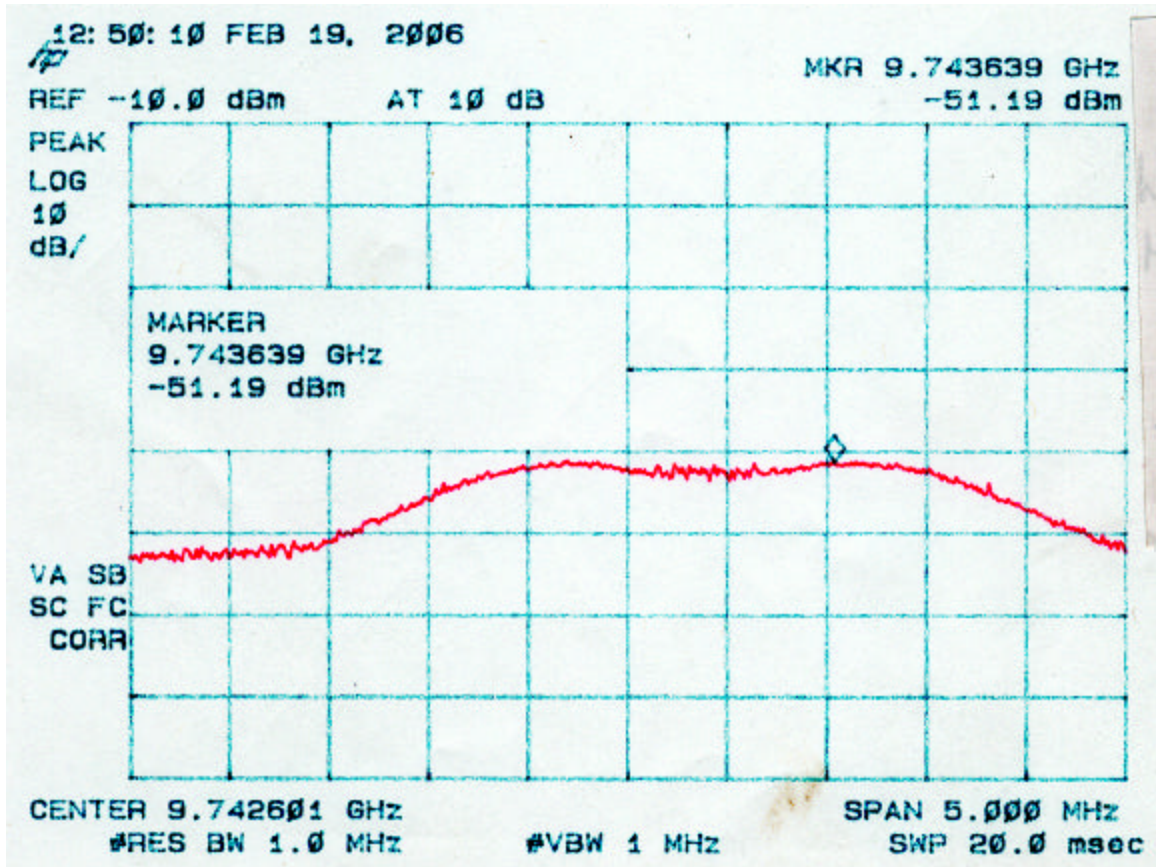


Figure 4n – 5
Peak Radiated Spurious Emission 15.247(c) Mid –
Gold Whip Antenna

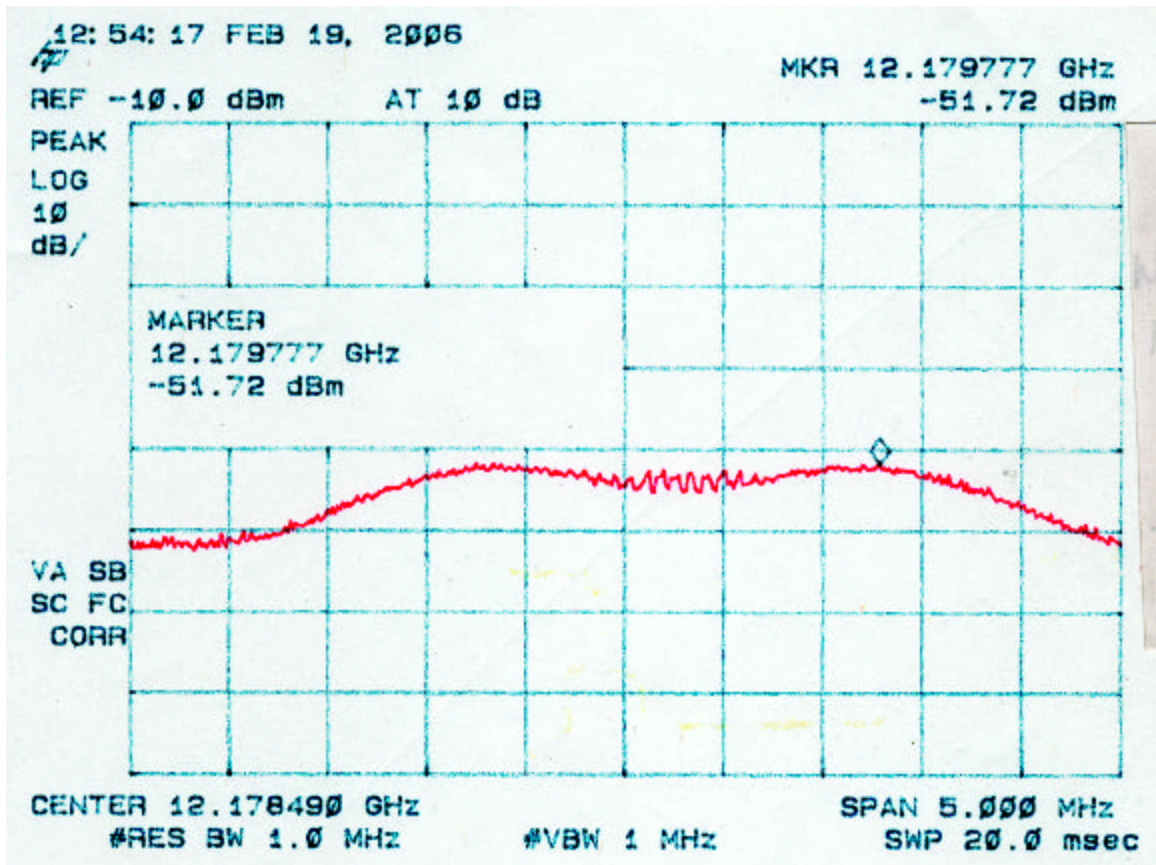


Figure 4n – 6
Peak Radiated Spurious Emission 15.247(c) Mid –
Gold Whip Antenna

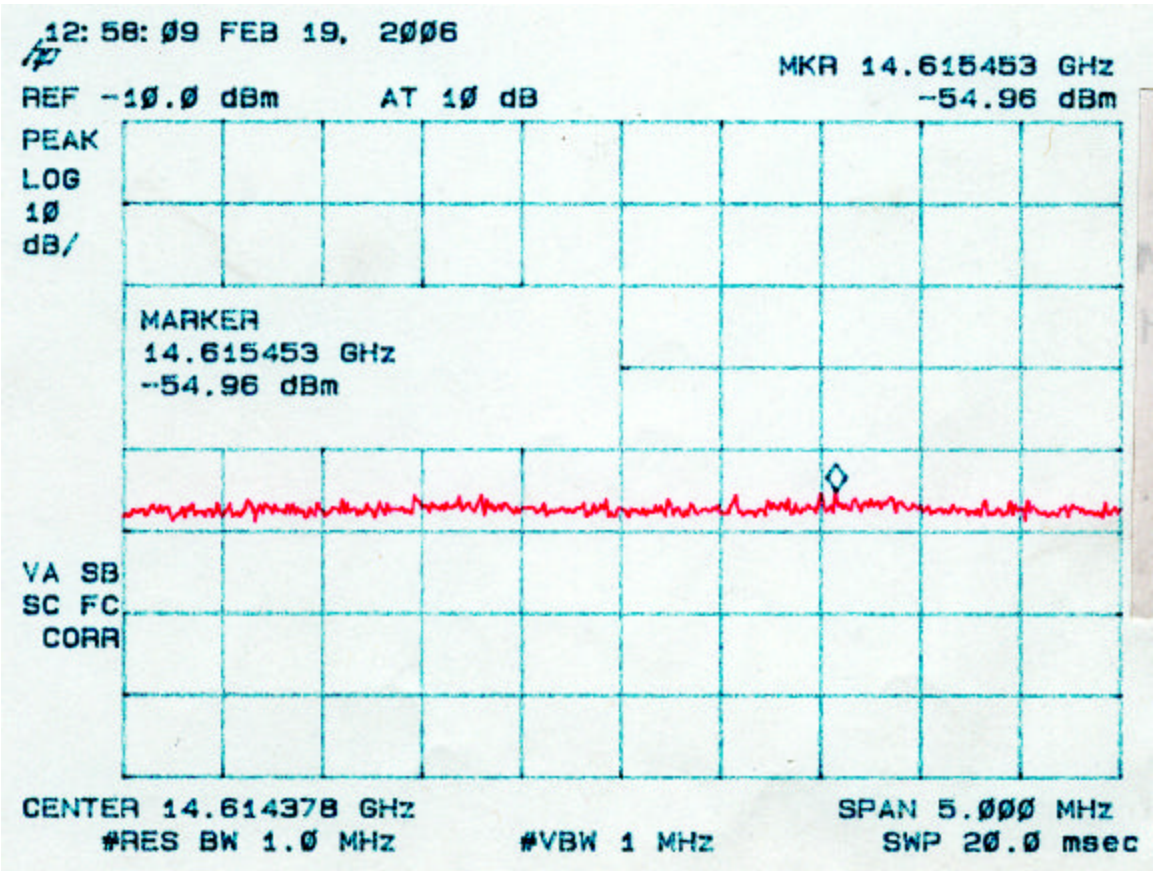


Table 4o. PEAK RADIATED SPURIOUS EMISSIONS (High)
Gold Whip Antenna

Radiated Spurious Emissions								
Test By:	Test:	Spurious Emissions-Whip 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
2469.75	-28.2	2hn3mh	78.8	31.7	336116.0			PK
4939.713	-48.9	2hn3mh	58.2	5.9	1598.9	5000.0	9.9	PK
7409.313	-47.1	2hn3mh	59.9	11.0	3521.3	5000.0	3.0	PK**
9878.576	-60.6	2hn3mh	46.5	13.6	1008.9	33611.6	30.5	PK**
12350.07	-64.3	2hn3mh	42.7	19.6	1299.7	5000.0	11.7	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 $((-48.9 + 5.9 + 107)/20)$ = 1598.9

CONVERSION FROM dBm TO dBuV = 107 dB

Tester

Signature: 

Name: Austin Thompson

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

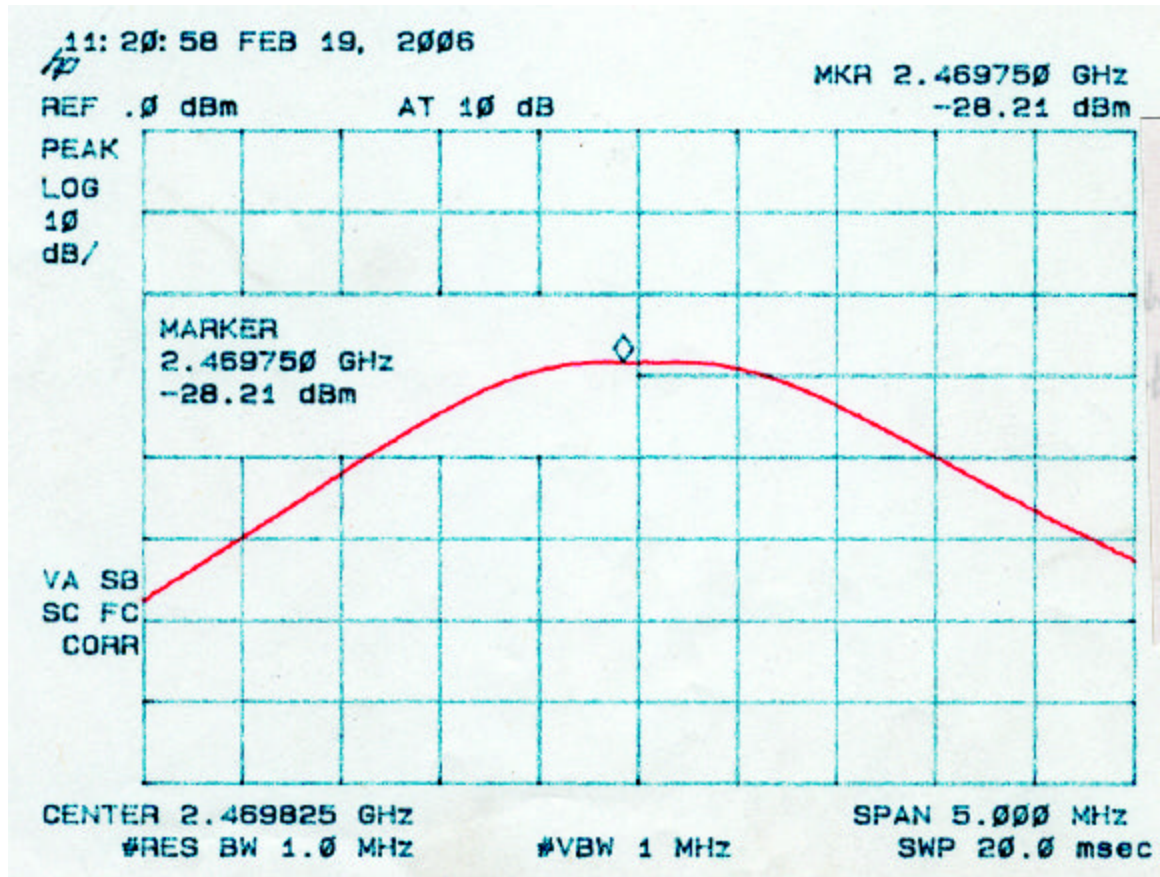


Figure 4o – 2
Peak Radiated Spurious Emission 15.247(c) High –
Gold Whip Antenna

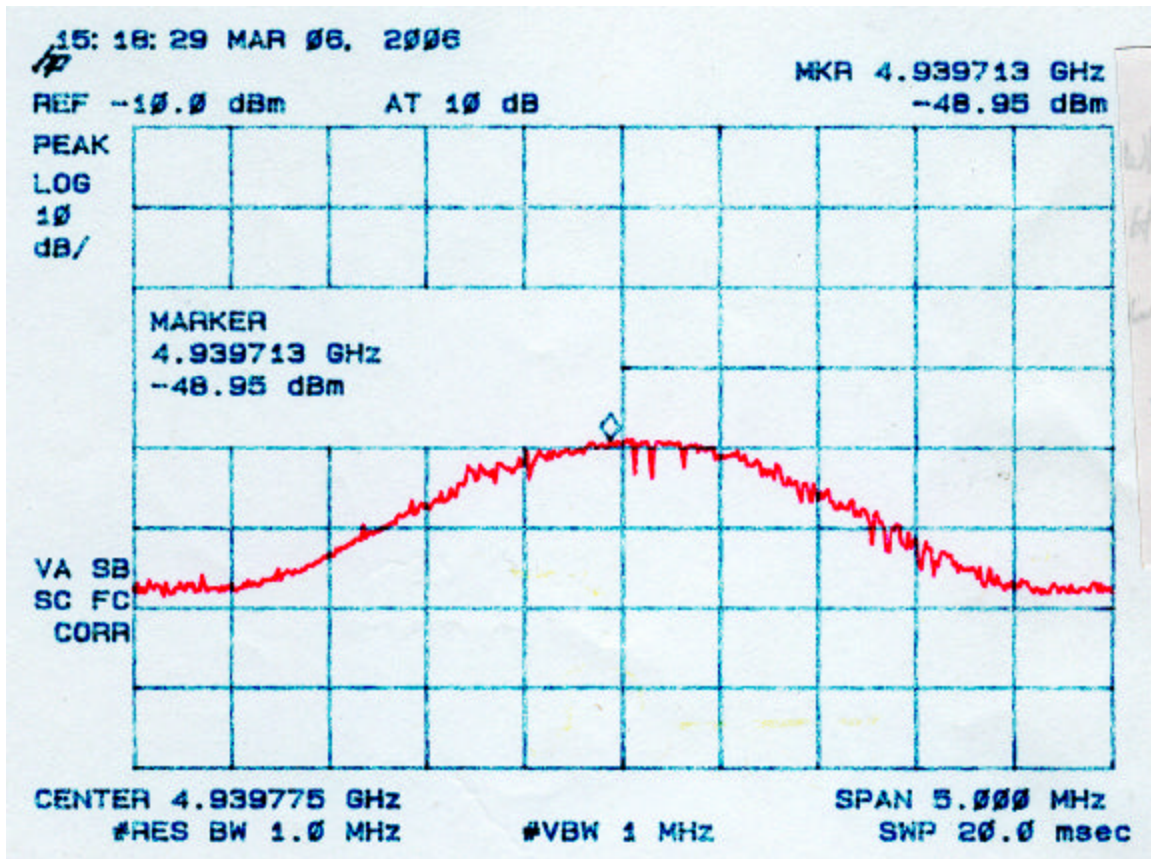


Figure 4o – 3
Peak Radiated Spurious Emission 15.247(c) High –
Gold Whip Antenna

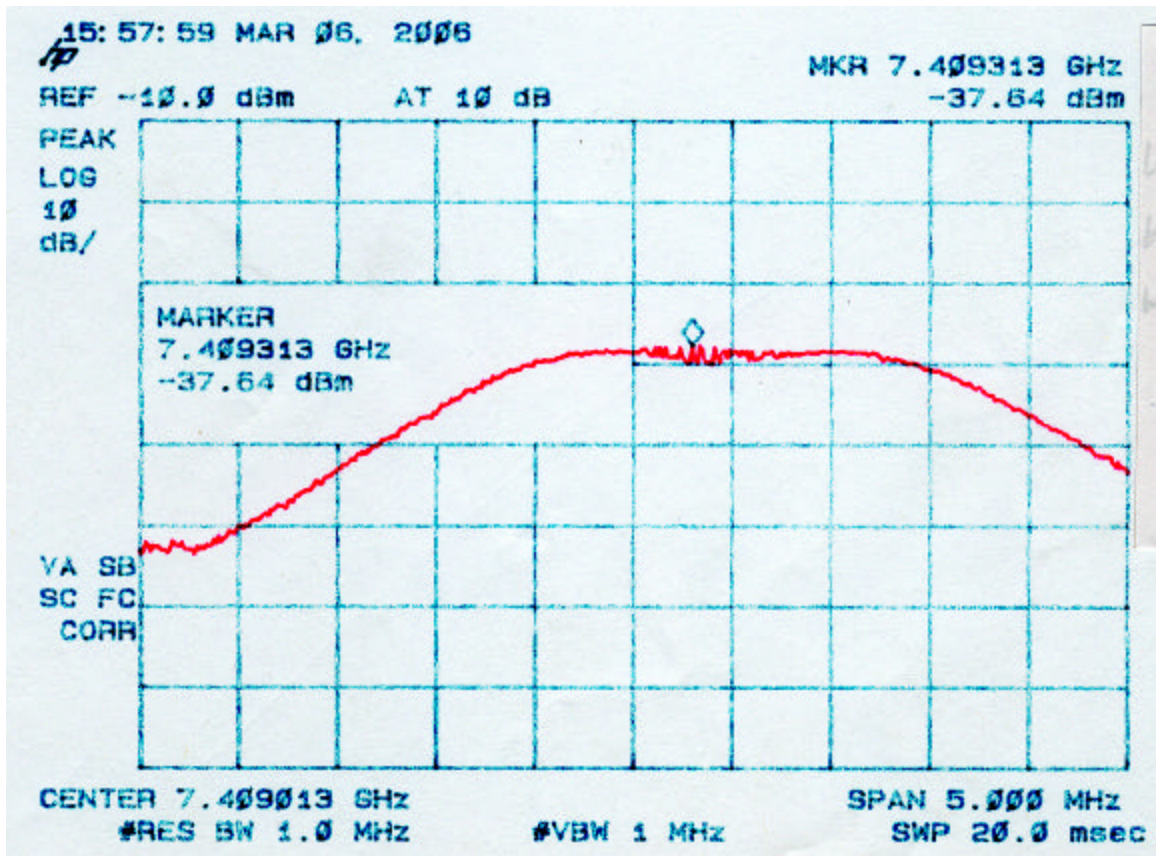


Figure 4o – 4
Peak Radiated Spurious Emission 15.247(c) High –
Gold Whip Antenna

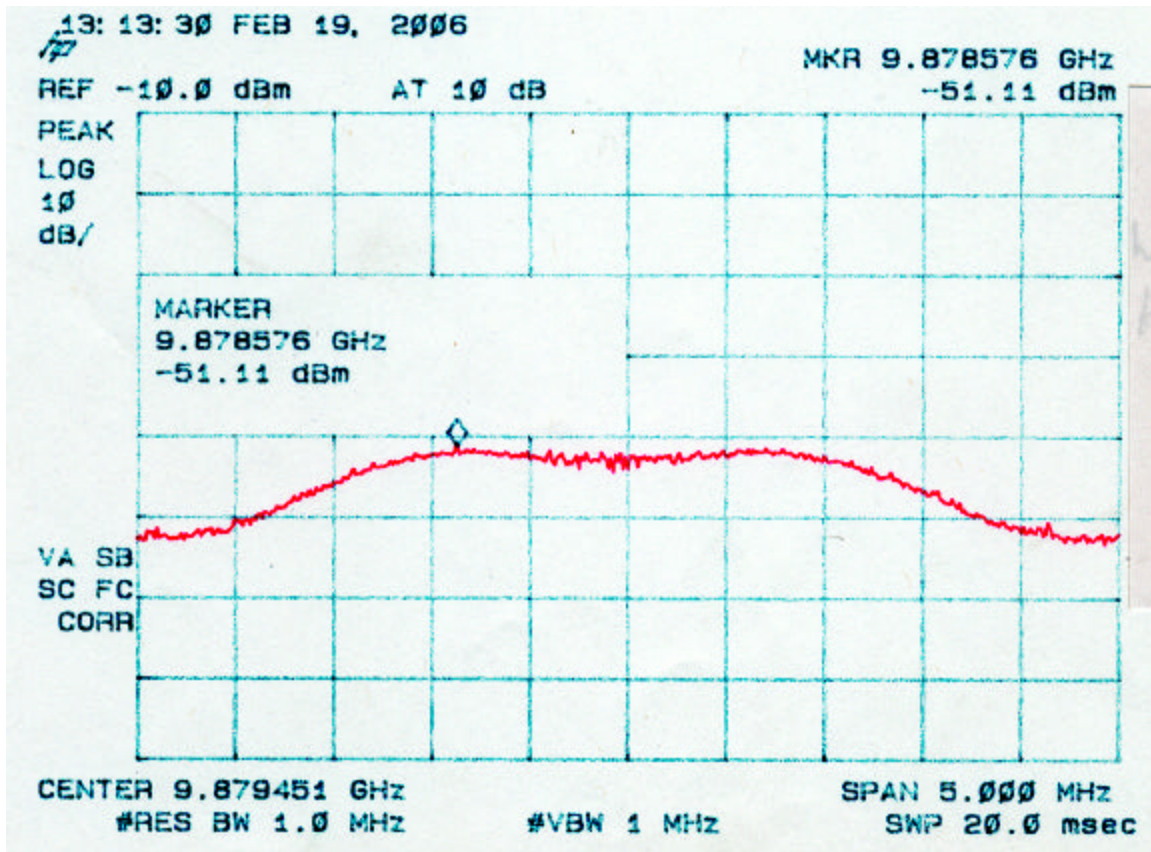


Figure 4o – 5
Peak Radiated Spurious Emission 15.247(c) High –
Gold Whip Antenna

