

Table 4g. PEAK RADIATED SPURIOUS EMISSIONS (Low)
Omni Antenna

Radiated Spurious Emissions								
Test By:	Test:	Spurious Emissions-Omni 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	
		flex7ft			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	-19.1	2hn3mh	87.9	31.6	942598.1			PK
4803.48	-49.3	2hn3mh	57.7	5.4	1429.6	5000.0	10.9	PK
7204.401	-42.2	2hn3mh	64.8	10.7	5954.3	94259.8	24.0	PK**
9605.889	-63.7	2hn3mh	43.3	13.3	677.2	94259.8	42.9	PK**
12009.12	-65.0	2hn3mh	42.0	18.9	1117.9	5000.0	13.0	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 ((-49.3 + 5.4 + 107)/20) = 1429.6

CONVERSION FROM dBm TO dBuV = 107 dB

Tester

Signature: _____



Name: Austin Thompson

Figure 4g – 1
Peak Radiated Spurious Emission 15.247(c) Fundamental Low –
Omni Antenna

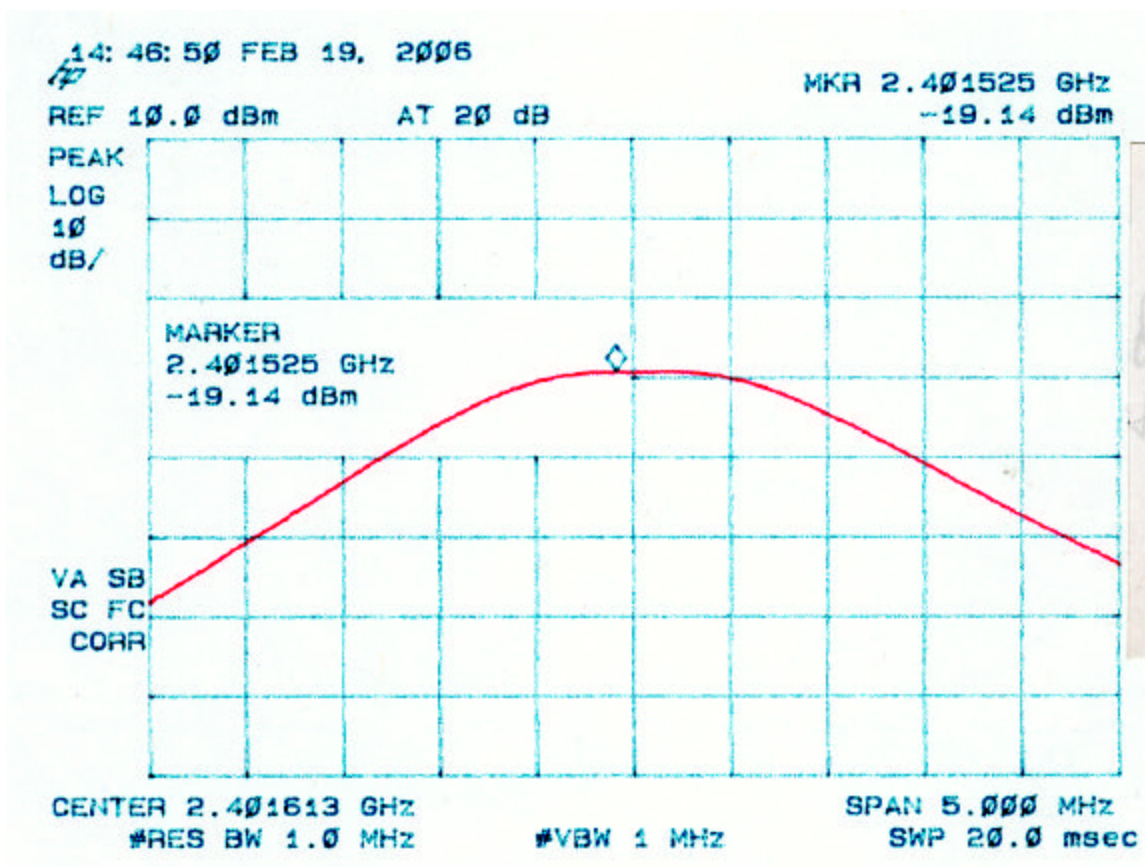


Figure 4g – 2
Peak Radiated Spurious Emission 15.247(c) Low –
Omni Antenna

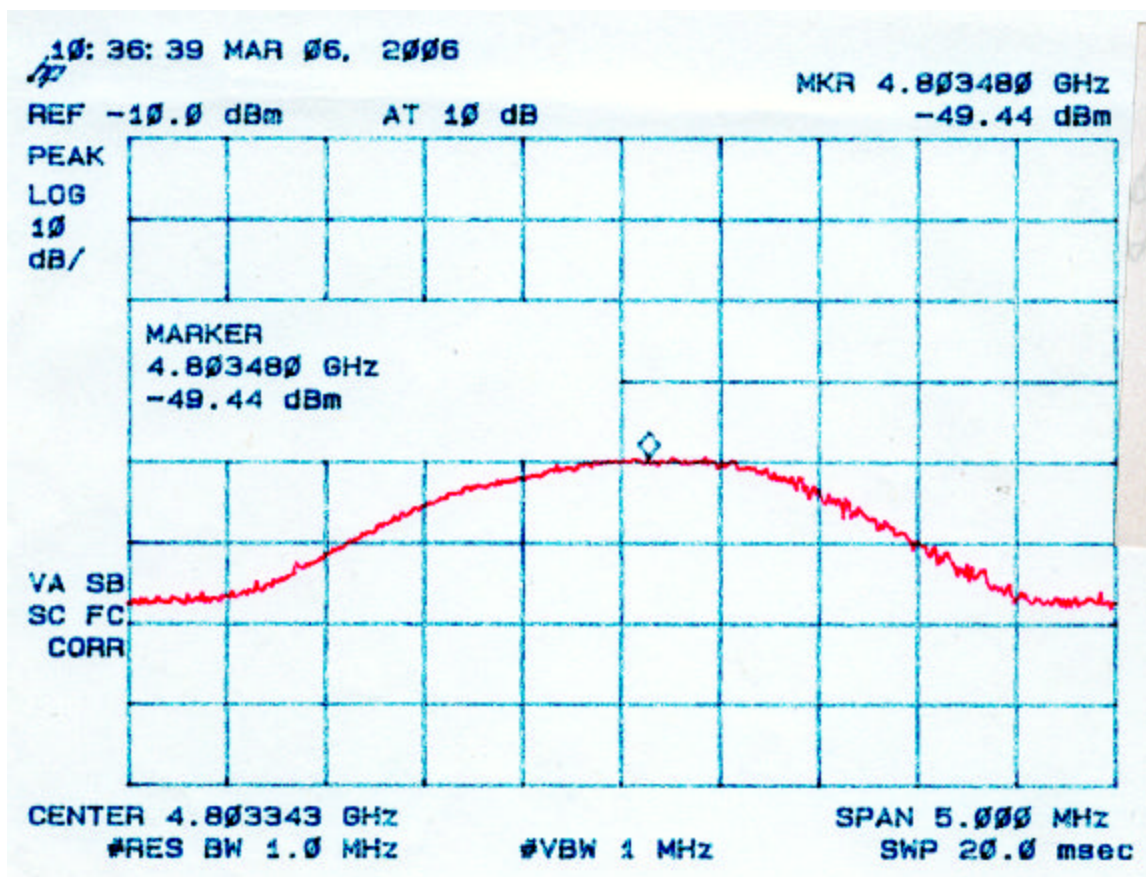


Figure 4g – 3
Peak Radiated Spurious Emission 15.247(c) Low –
Omni Antenna

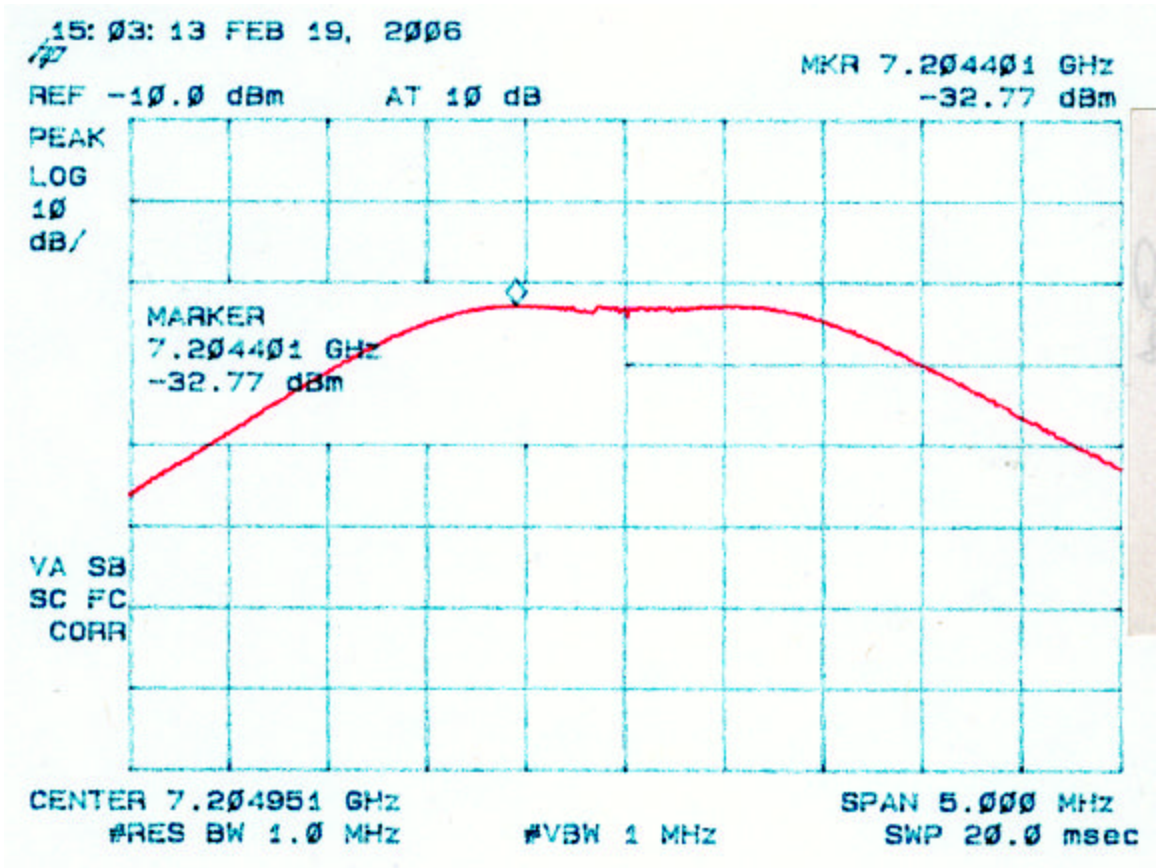


Figure 4d – 4
Peak Radiated Spurious Emission 15.247(c) Low – Omni Antenna

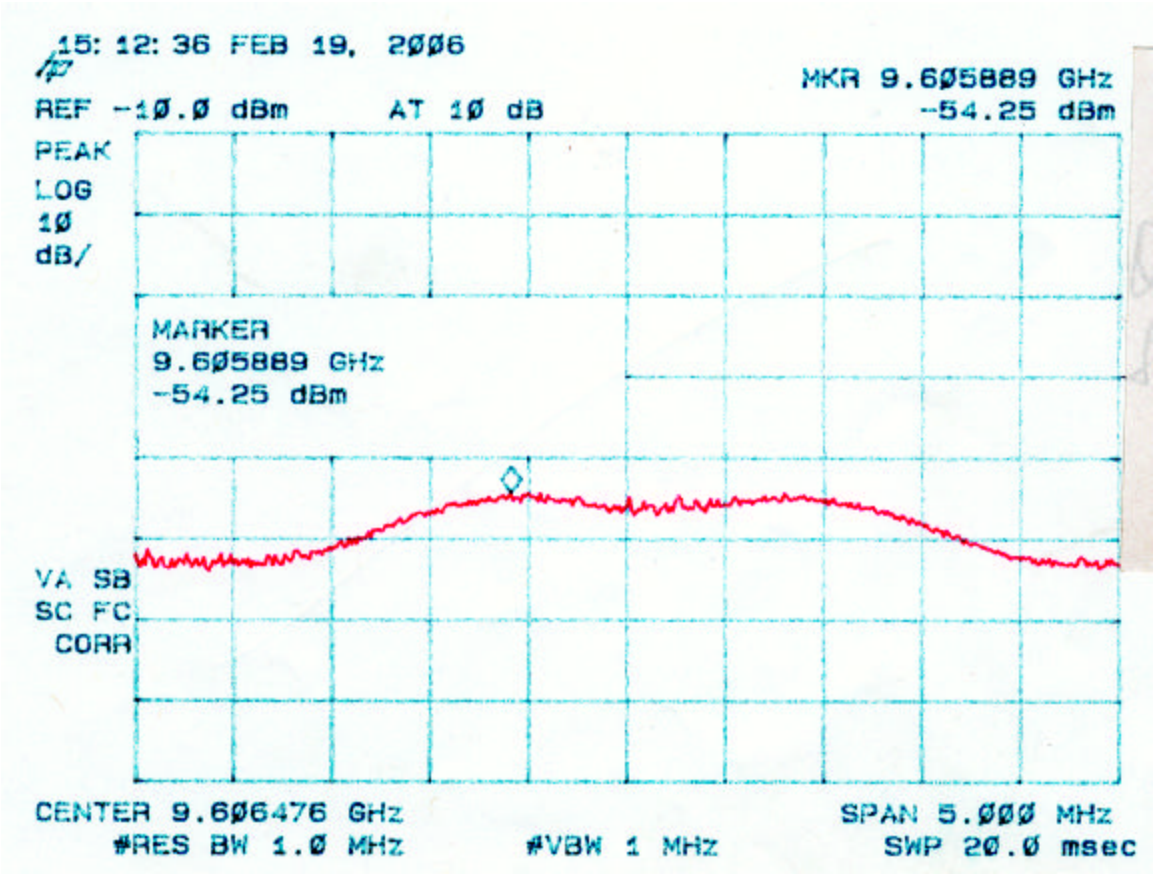


Figure 4d – 5
Peak Radiated Spurious Emission 15.247(c) Low – Omni Antenna

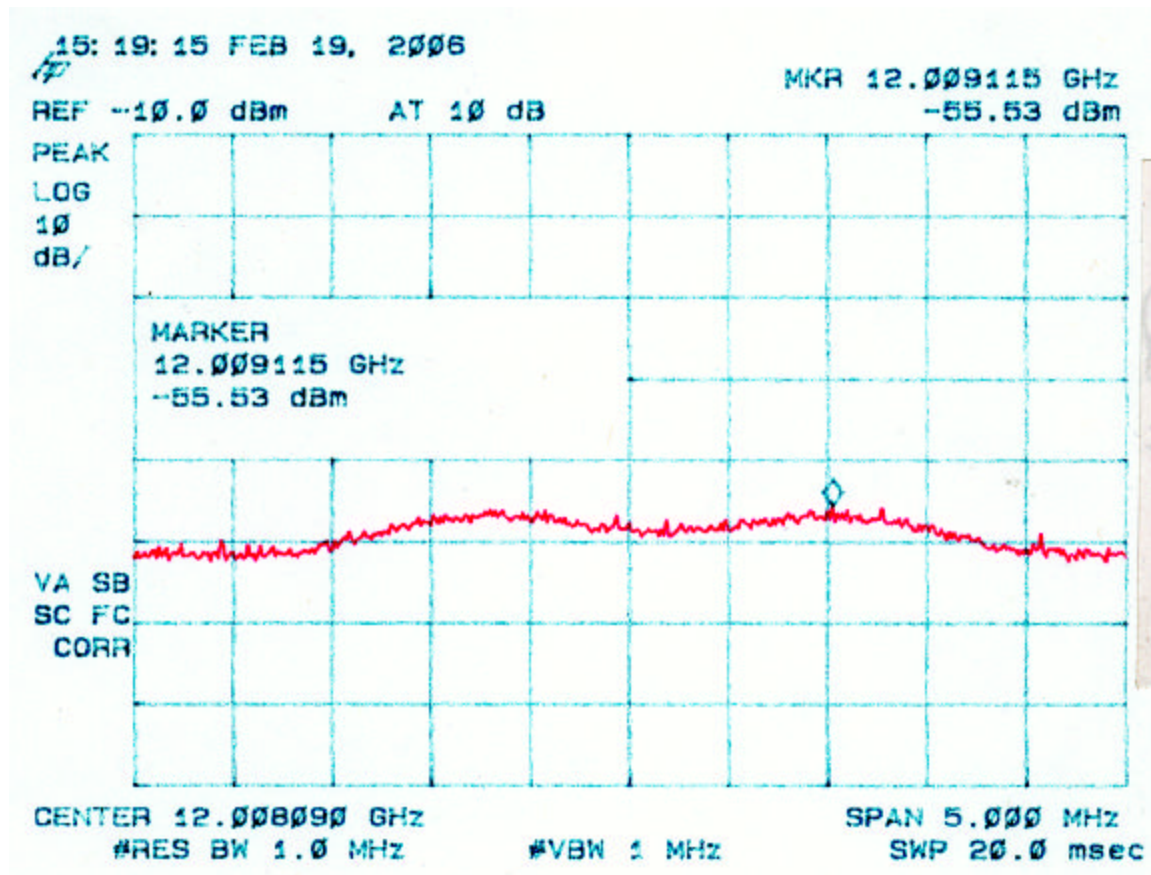


Table 4h. PEAK RADIATED SPURIOUS EMISSIONS (Mid)
Omni Antenna

Radiated Spurious Emissions								
Test By:	Test:	Spurious Emissions-Omni Antenna-Mid Channel			Client:	Cirronet		
AT	Project:	06-0037	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			
	flex7ft		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
2435.71	-16.7	2hn3mh	90.3	31.7	1260852.2			PK
4871.658	-48.2	2hn3mh	58.8	5.7	1672.2	5000.0	9.5	PK
7307.713	-49.4	2hn3mh	57.6	10.9	2639.8	5000.0	5.5	PK**
9743.625	-63.9	2hn3mh	43.1	13.5	676.7	126085.2	45.4	PK**
12177.93	-67.5	2hn3mh	39.5	19.3	868.4	5000.0	15.2	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 $((-48.2 + 5.7 + 107)/20)$ = 1672.2

CONVERSION FROM dBm TO dBuV = 107 dB

Tester

Signature: 

Name: Austin Thompson

Figure 4h – 1
Peak Radiated Spurious Emission 15.247(c) Fundamental Mid –
Omni Antenna

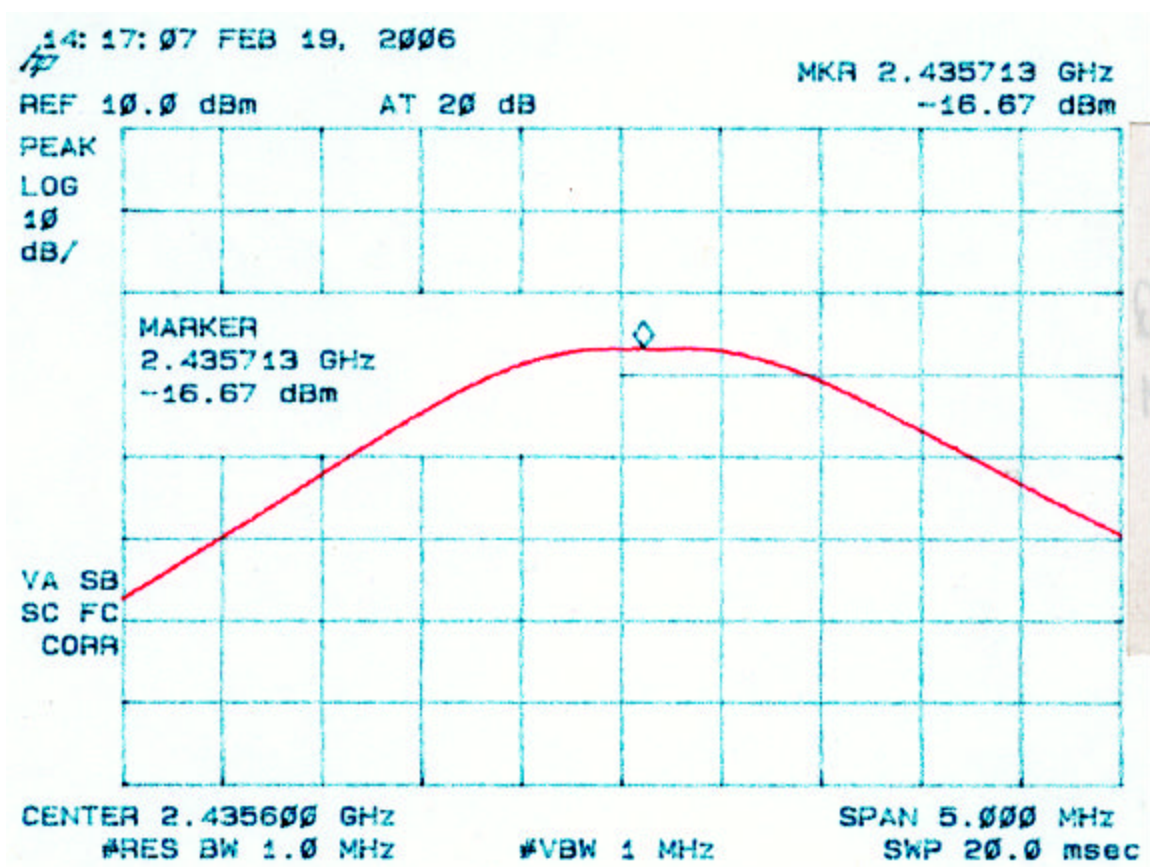


Figure 4h – 2
Peak Radiated Spurious Emission 15.247(c) Mid –
Omni Antenna

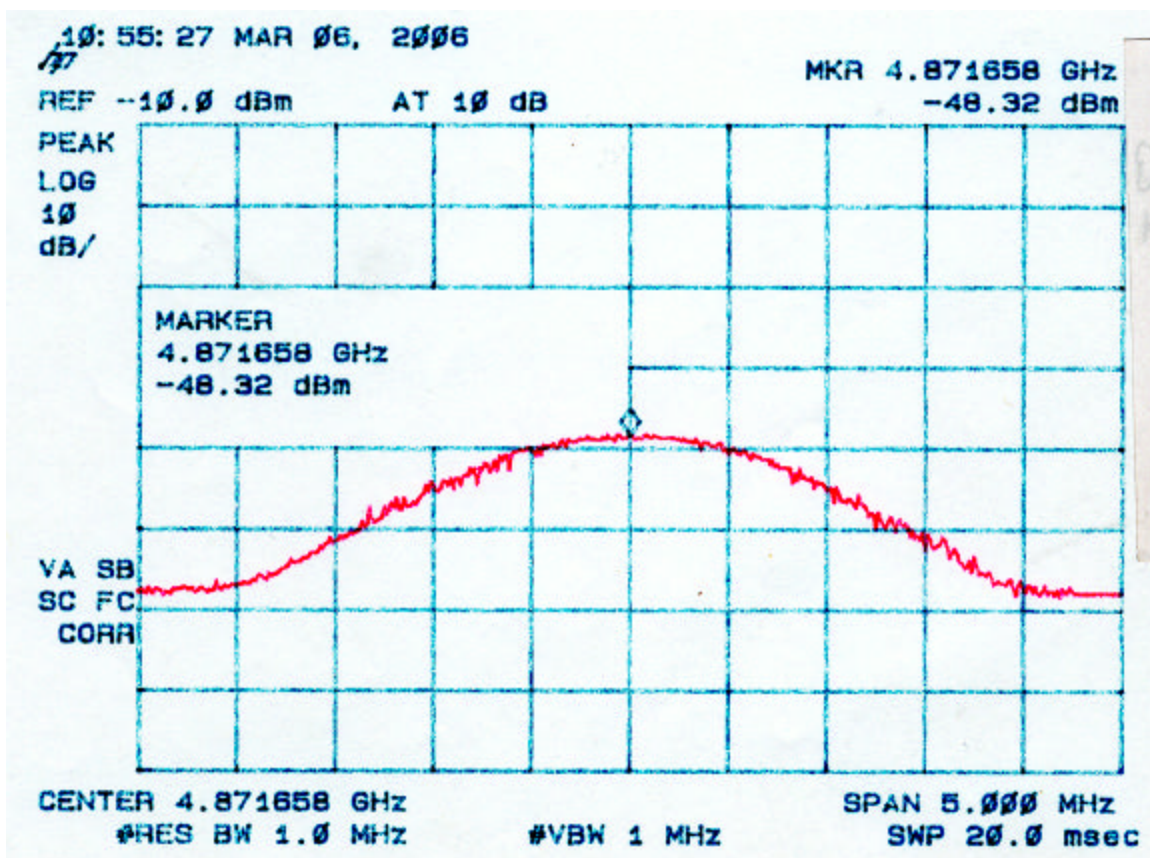


Figure 4h – 3
Peak Radiated Spurious Emission 15.247(c) Mid –
Omni Antenna

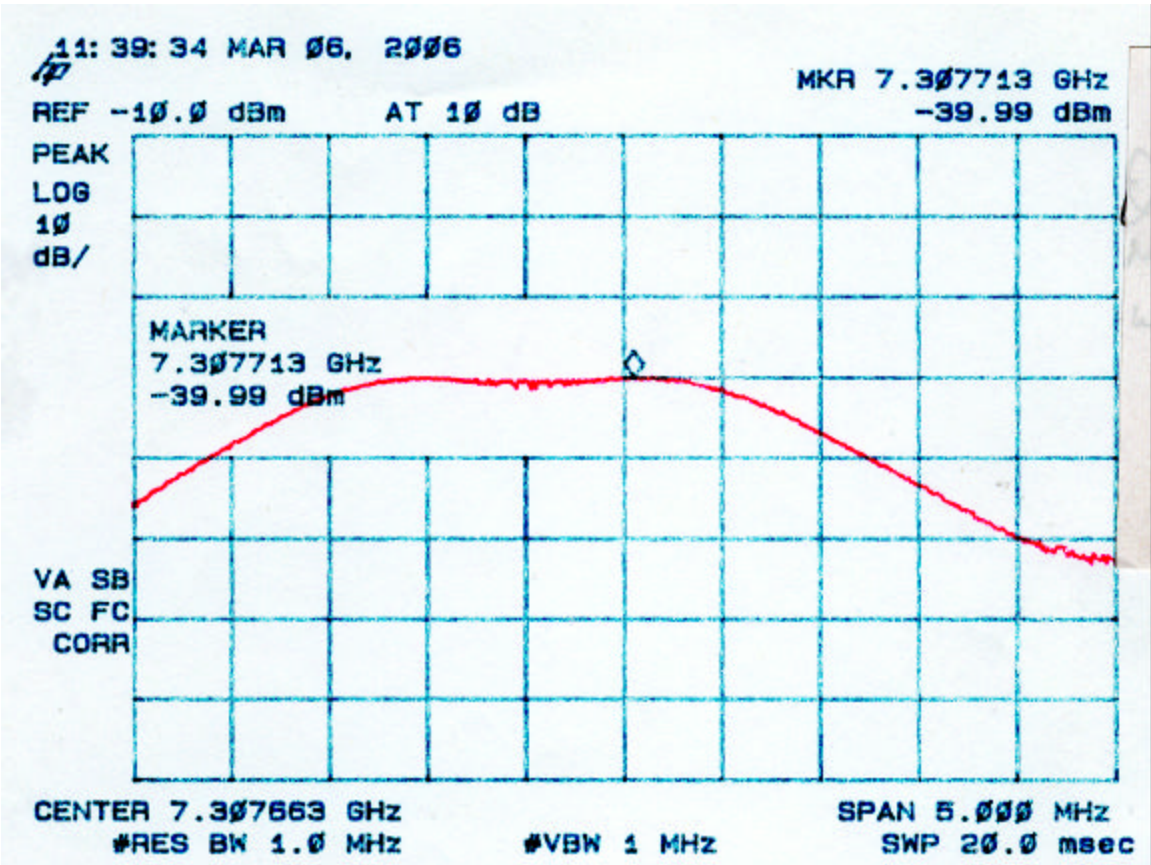


Figure 4h – 4
Peak Radiated Spurious Emission 15.247(c) Mid –
Omni Antenna

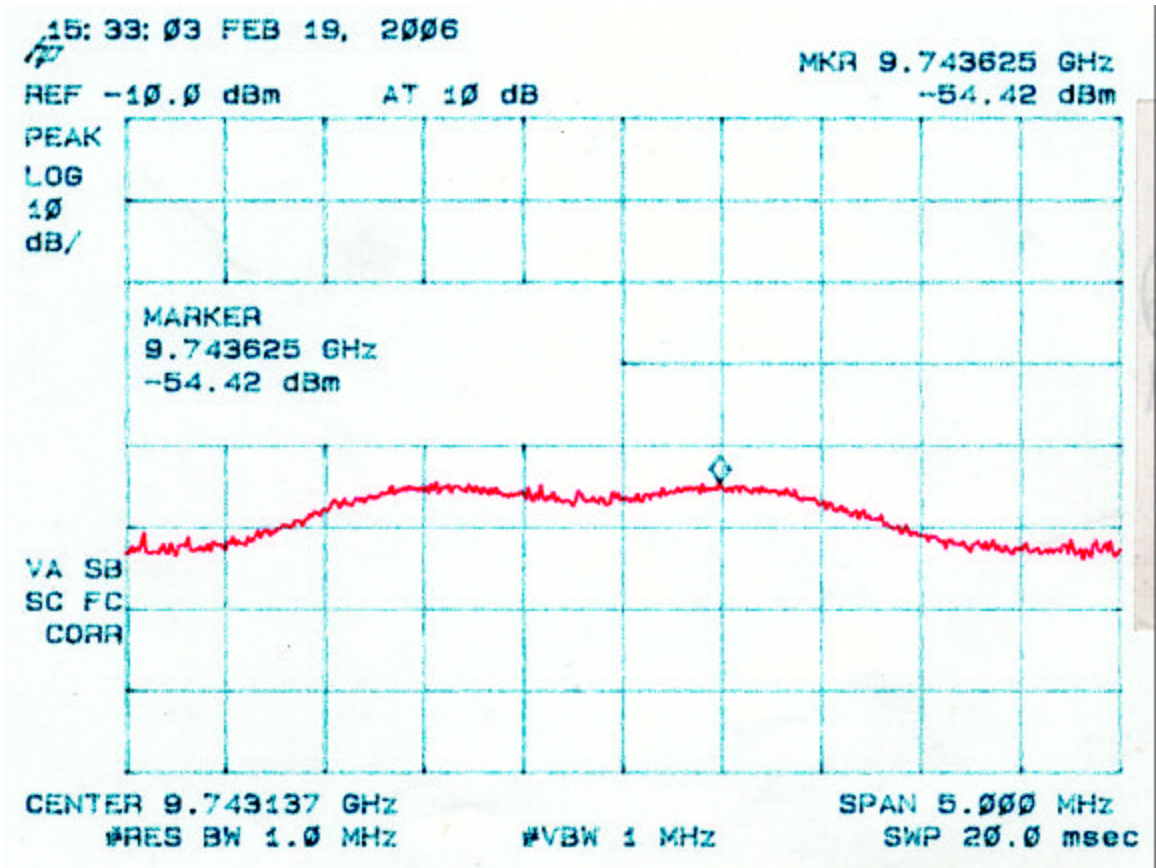


Figure 4h – 5
Peak Radiated Spurious Emission 15.247(c) Mid –
Omni Antenna

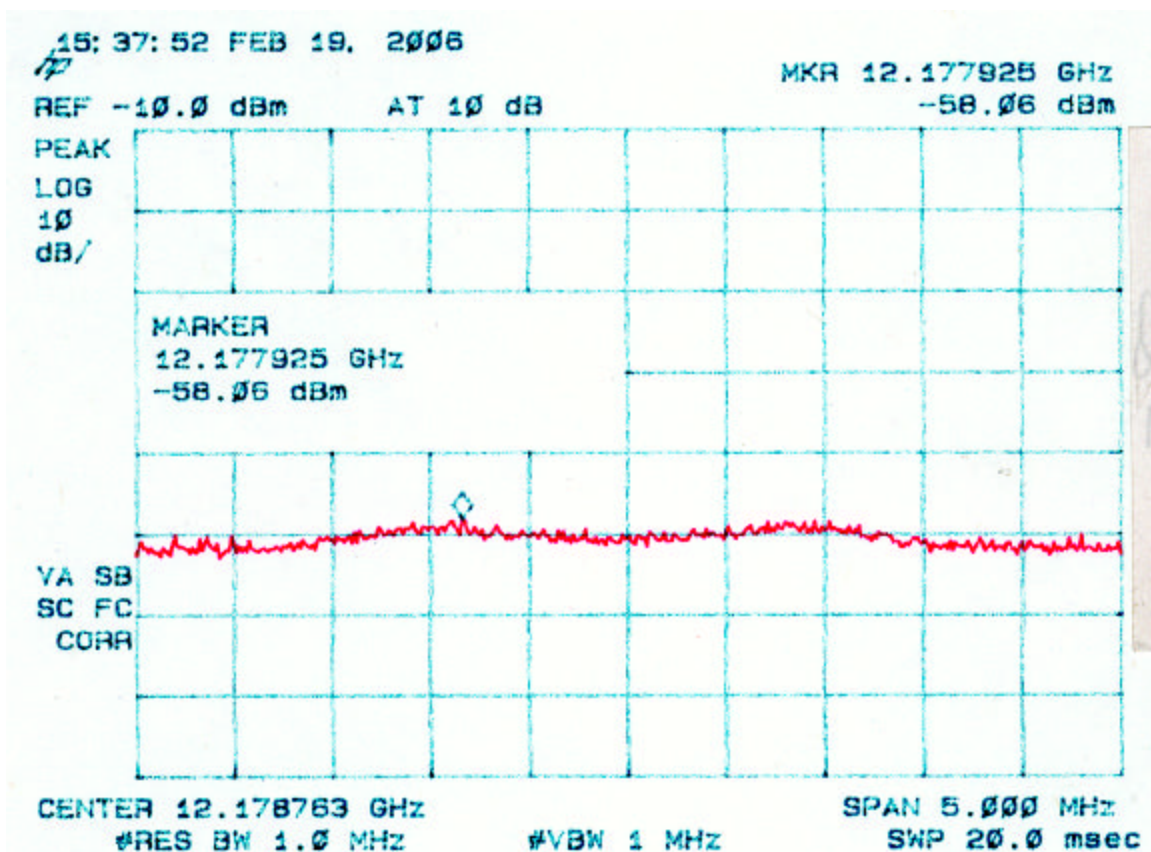


Table 4i. PEAK RADIATED SPURIOUS EMISSIONS (High)
Omni Antenna

Radiated Spurious Emissions								
Test By:	Test:	Spurious Emissions-Omni 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	
		flex7ft			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
2469.73	-17.7	2hn3mh	89.3	31.7	1123277.8			PK
4939.688	-48.5	2hn3mh	58.6	5.9	1674.3	5000.0	9.5	PK
7409.1	-48.9	2hn3mh	58.1	11.0	2845.7	5000.0	4.9	PK**
9879.962	-65.9	2hn3mh	41.1	13.6	547.5	112327.8	46.2	PK**
12350.2	-65.3	2hn3mh	41.7	19.6	1161.0	5000.0	12.7	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 $((-48.5 + 5.9 + 107)/20)$ = 1674.3

CONVERSION FROM dBm TO dBuV = 107 dB

Tester

Signature: _____



Name: Austin Thompson

Figure 4i – 1
Peak Radiated Spurious Emission 15.247(c) Fundamental High –
Omni Antenna

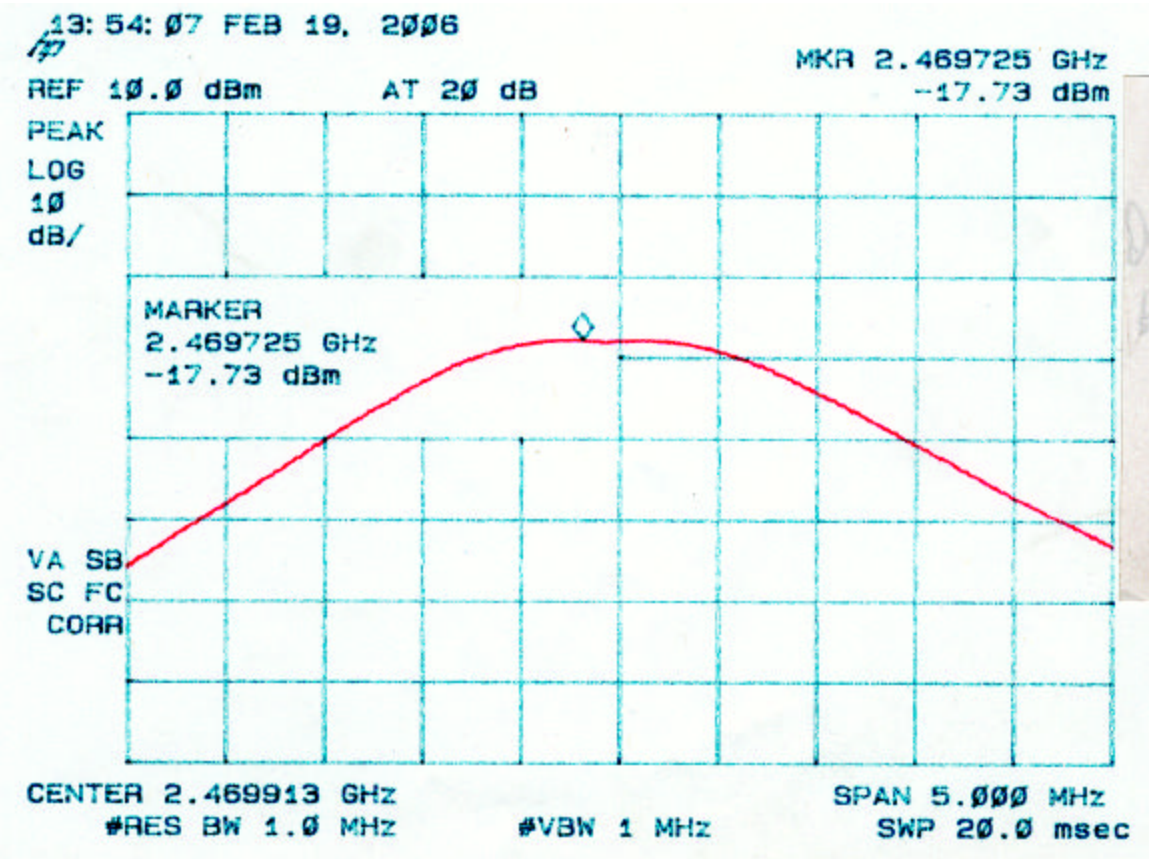


Figure 4i – 2
Peak Radiated Spurious Emission 15.247(c) High –
Omni Antenna

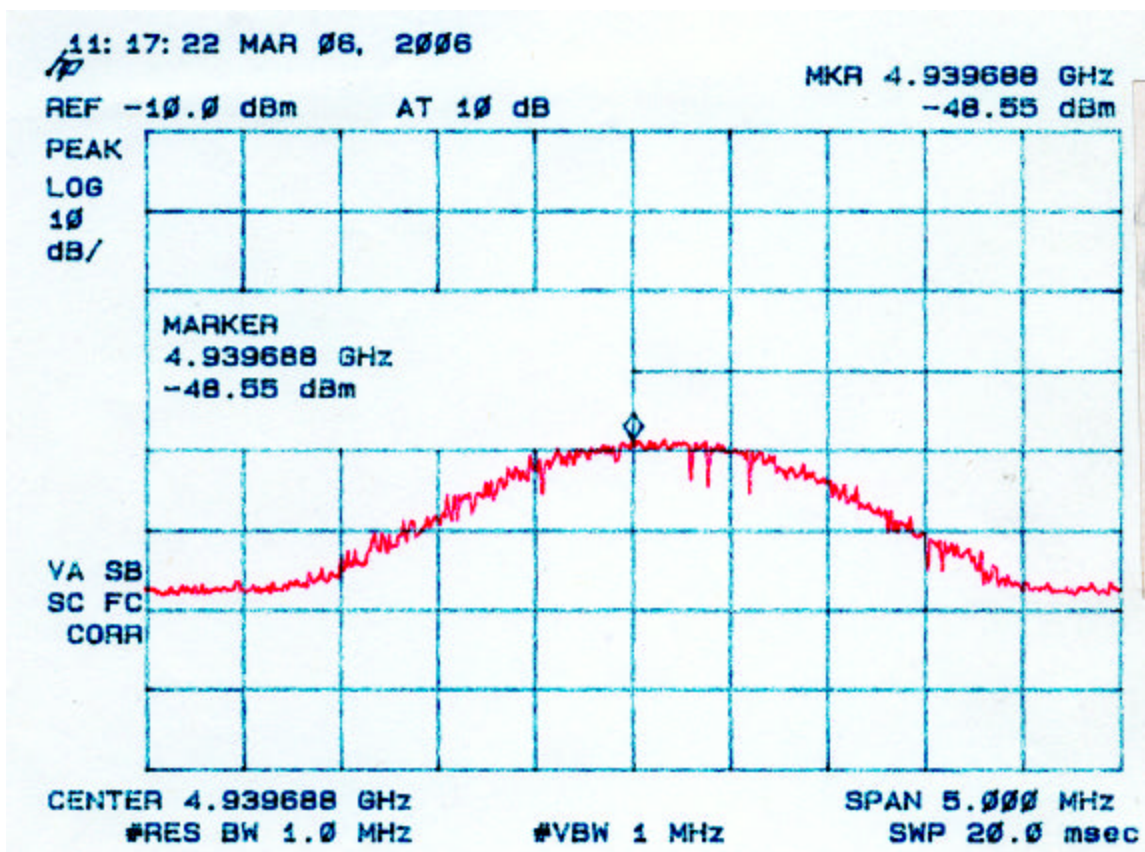


Figure 4i – 3
Peak Radiated Spurious Emission 15.247(c) High –
Omni Antenna

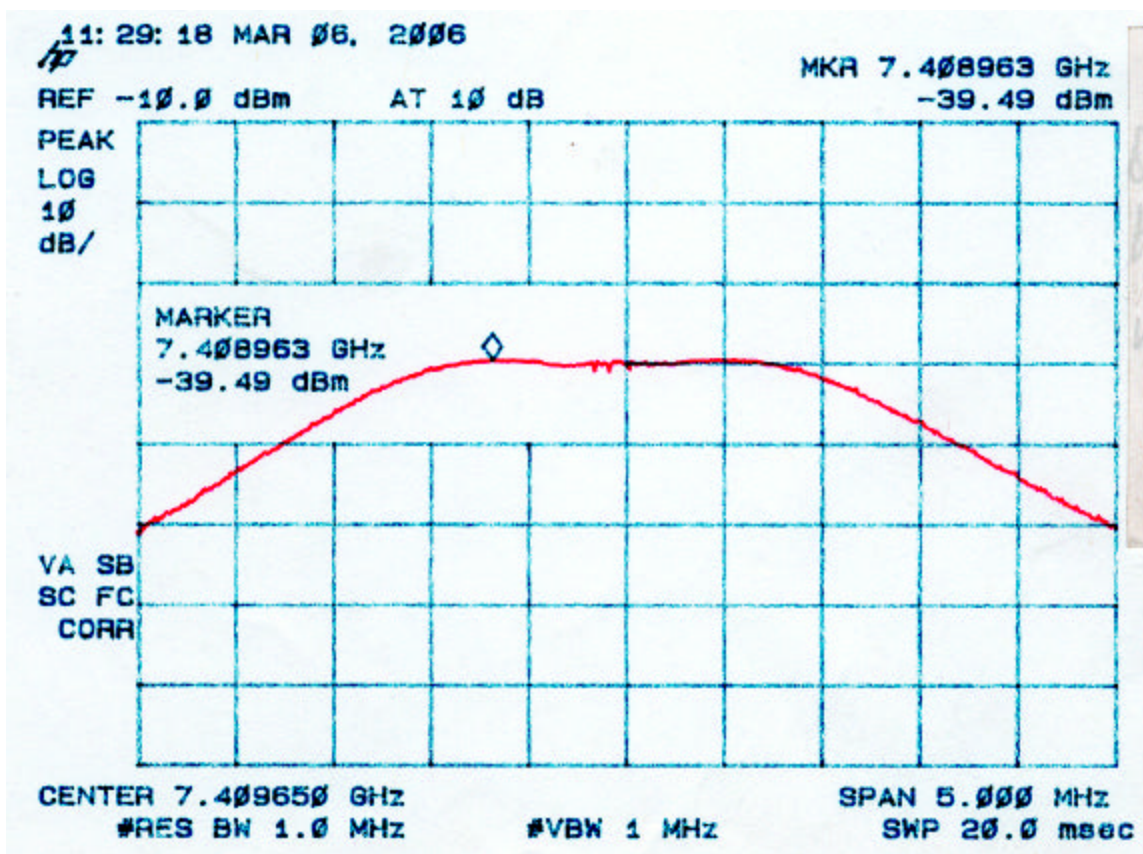


Figure 4i – 4
Peak Radiated Spurious Emission 15.247(c) High –
Omni Antenna

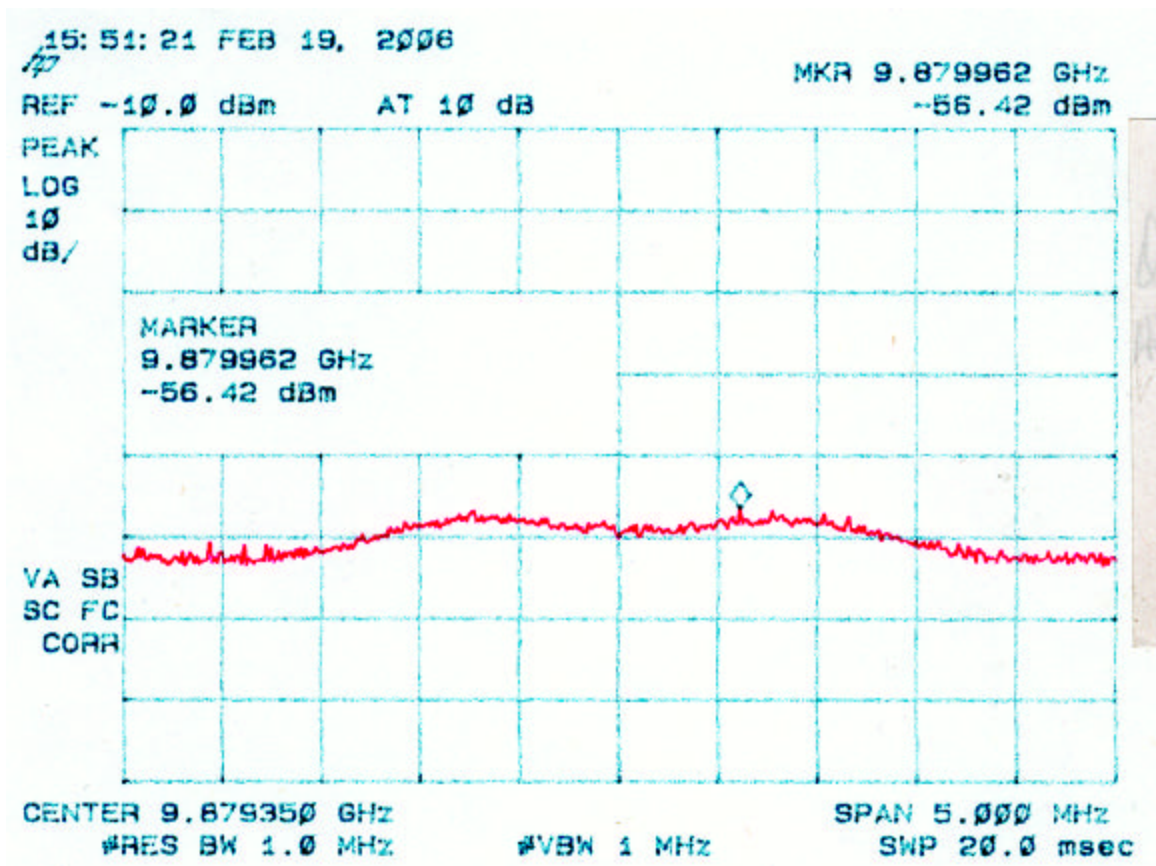


Figure 4i – 5
Peak Radiated Spurious Emission 15.247(c) High –
Omni Antenna

