

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

Radiated Spurious Emissions								
<b>Test By:</b>	<b>Test:</b>	Spurious Emissions-Yagi Antenna-Low Channel				<b>Client:</b>	Cirronet	
AT	<b>Project:</b>	06-0003	<b>Class:</b>		<b>Model:</b>	WIT2450		
<b>Frequency Range</b>		<b>Table</b>	<b>Model</b>		<b>S/N</b>	<b>Valid</b>	<b>Calibrated:</b>	
		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	
<b>Frequency</b>	<b>Test Data</b>	<b>AF</b>	<b>Test Data</b>	<b>AF+CA-AMP</b>	<b>Results</b>	<b>Limits</b>	<b>Margin</b>	<b>PK = n</b>
<b>(MHz)</b>	<b>(dBm)</b>	<b>Table</b>	<b>(dBuV)</b>	<b>(dB)</b>	<b>(uV/m)</b>	<b>(uV/m)</b>	<b>(dB)</b>	<b>/ QP</b>
2402.55	-11.2	2hn3mh	95.8	31.6	2346452.0			<b>PK</b>
4803.46	-50.8	2hn3mh	56.2	5.4	1208.4	5000.0	<b>12.3</b>	<b>PK</b>
7204.9	-50.0	2hn3mh	57.0	10.7	2428.7	234645.2	<b>39.7</b>	<b>PK**</b>
9606.7	-52.0	2hn3mh	55.0	13.3	2601.9	234645.2	<b>39.1</b>	<b>PK**</b>
12007.5	-68.6	2hn3mh	38.4	18.9	735.8	5000.0	<b>16.6</b>	<b>PK**</b>

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

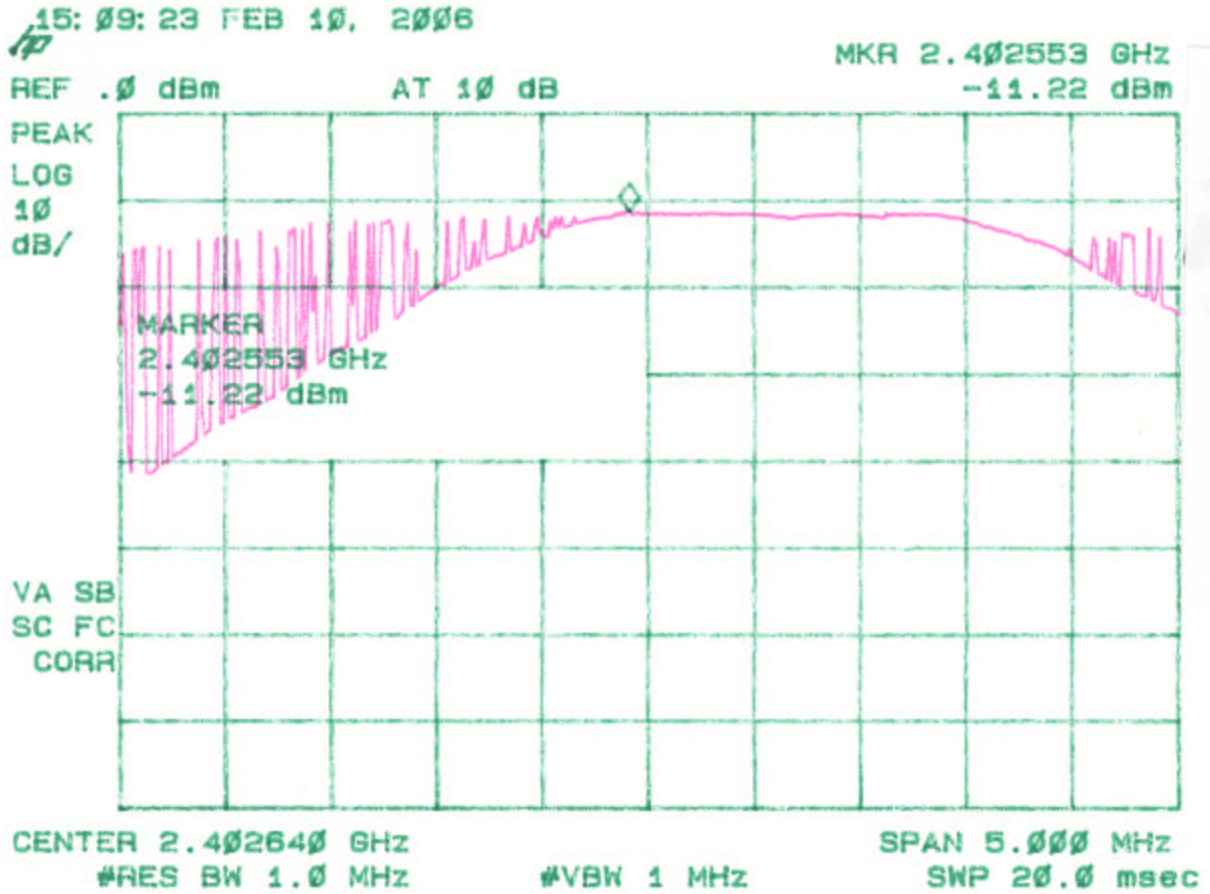


Figure 4m – 2  
Peak Radiated Spurious Emission 15.247(c) Low - Yagi Antenna

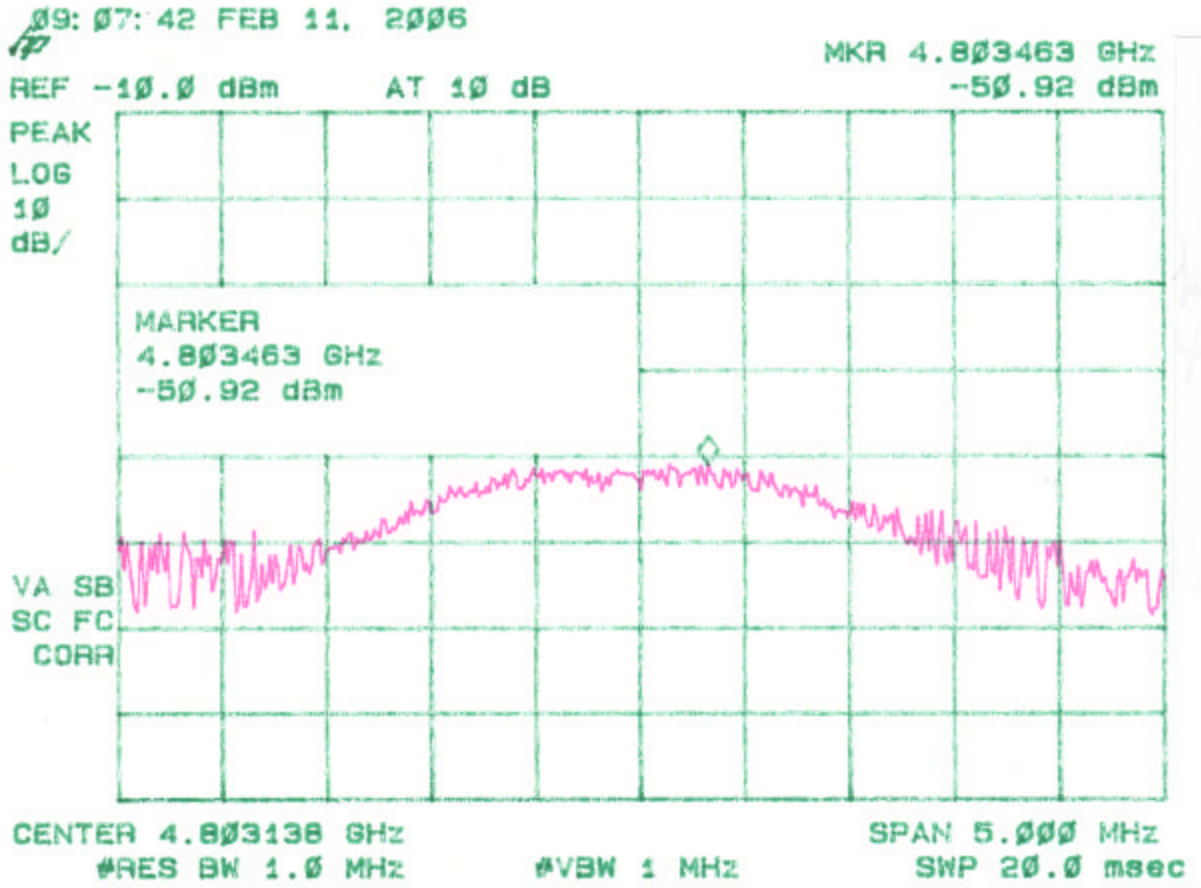


Figure 4m – 3  
Peak Radiated Spurious Emission 15.247(c) Low - Yagi Antenna

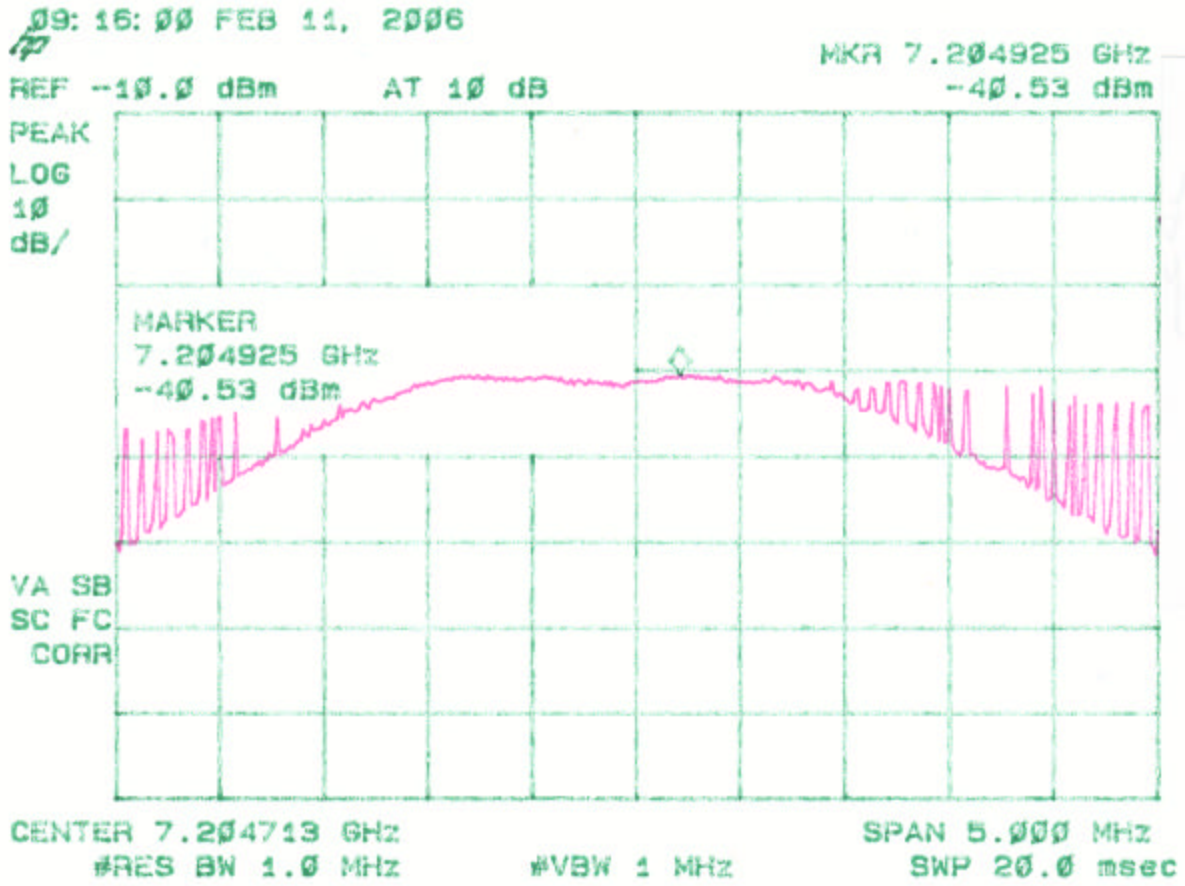


Figure 4m - 4  
Peak Radiated Spurious Emission 15.247(c) Low - Yagi Antenna

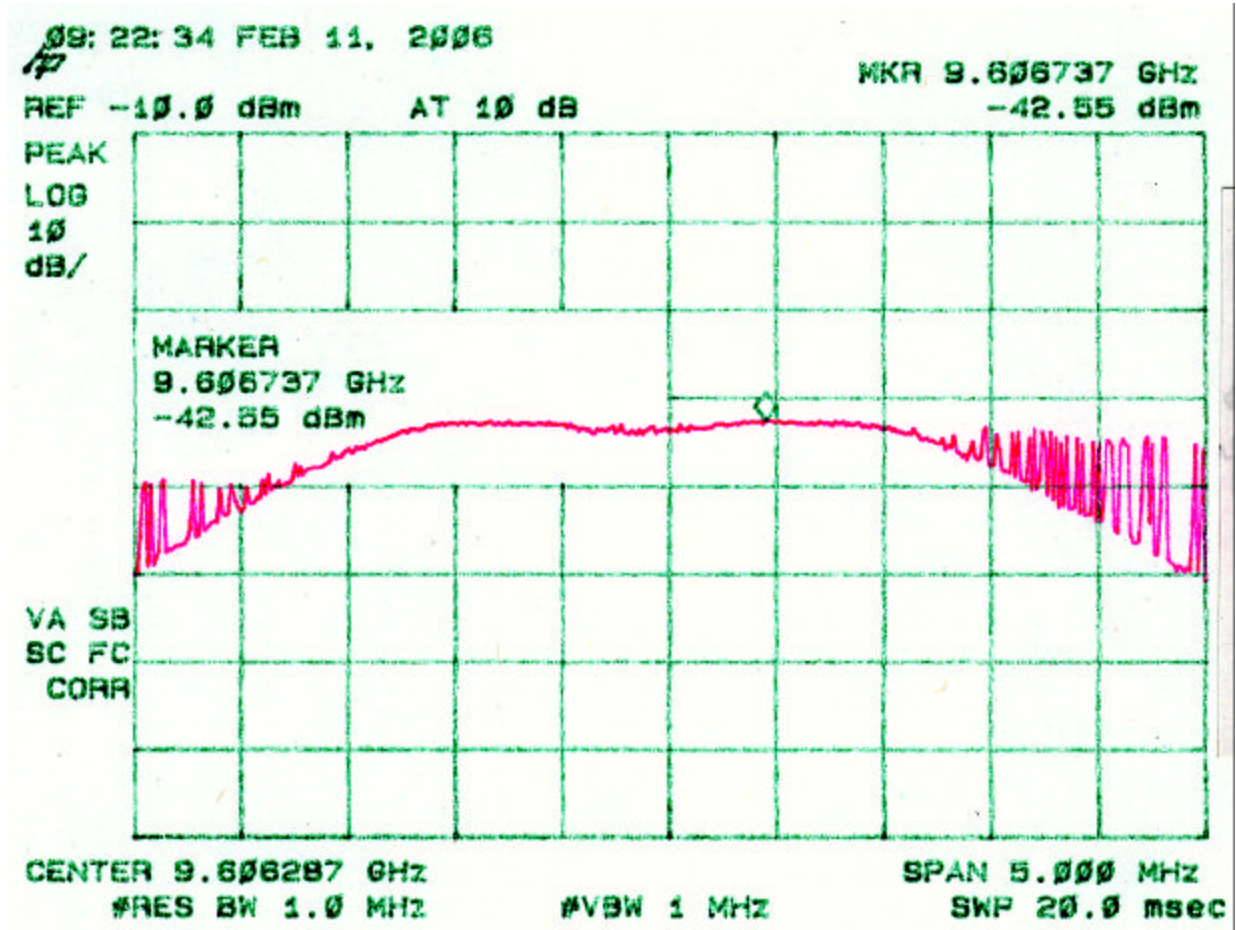
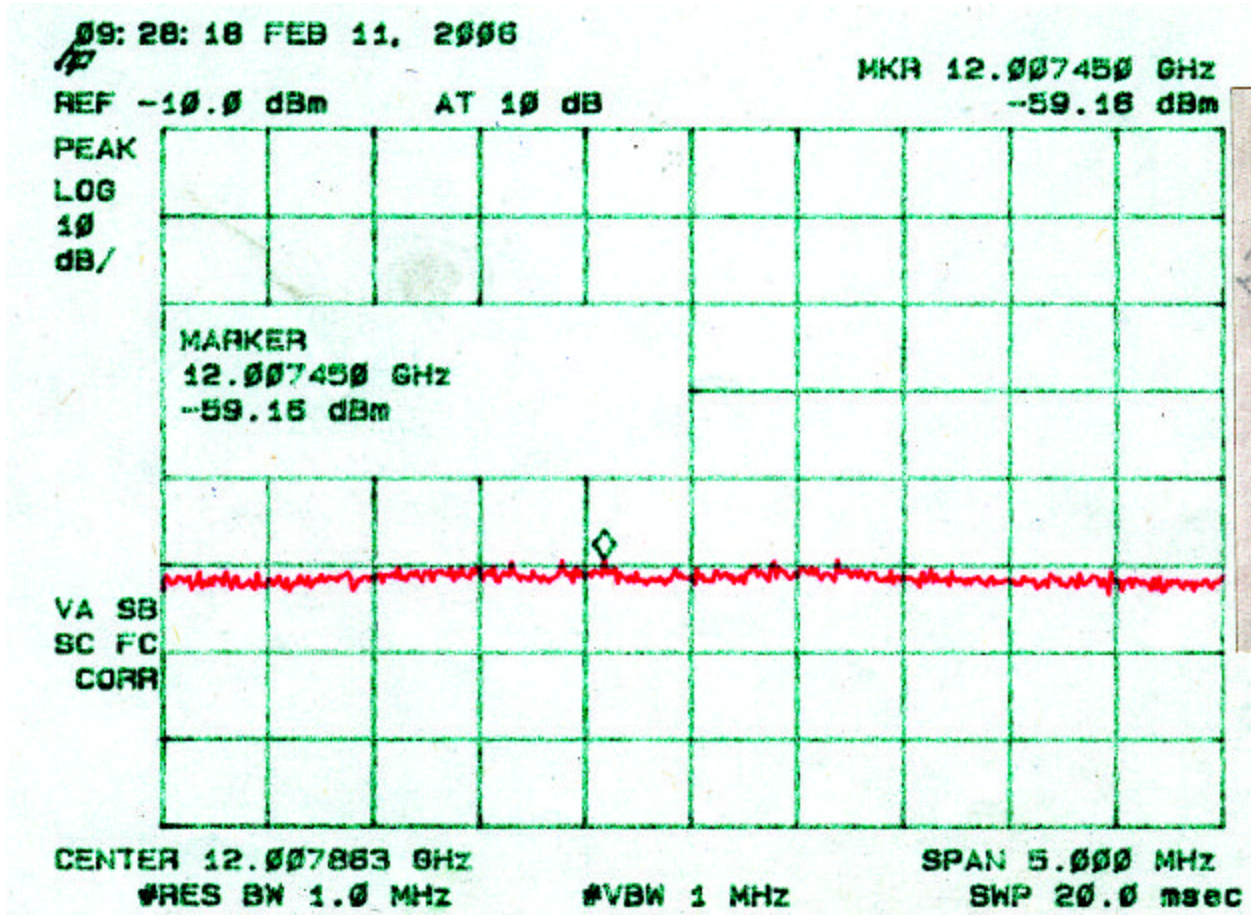


Figure 4m - 5  
Peak Radiated Spurious Emission 15.247(c) Low - Yagi Antenna



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

Radiated Spurious Emissions								
<b>Test By:</b>	<b>Test:</b>	Spurious Emissions-Yagi Antenna-Mid Channel			<b>Client:</b>	Cirronet		
AT	<b>Project:</b>	06-0003	<b>Class:</b>		<b>Model:</b>	WIT2450		
<b>Frequency Range</b>	<b>Table</b>	<b>Model</b>	<b>S/N</b>	<b>Valid</b>	<b>Calibrated:</b>			
	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			
<b>Frequency</b>	<b>Test Data</b>	<b>AF</b>	<b>Test Data</b>	<b>AF+C A-AMP</b>	<b>Results</b>	<b>Limits</b>	<b>Margin</b>	<b>PK = n</b>
<b>(MHz)</b>	<b>(dBm)</b>	<b>Table</b>	<b>(dBuV)</b>	<b>(dB)</b>	<b>(uV/m)</b>	<b>(uV/m)</b>	<b>(dB)</b>	<b>/ QP</b>
2433.13	-20.2	2hn3mh	86.8	31.7	841297.8			<b>PK</b>
4865.99	-45.1	2hn3mh	61.9	5.7	2389.4	5000.0	<b>6.4</b>	<b>PK</b>
7299.4	-57.1	2hn3mh	49.9	10.8	1090.1	5000.0	<b>13.2</b>	<b>PK**</b>
9732.7	-45.1	2hn3mh	61.9	13.5	5857.7	84129.8	<b>23.1</b>	<b>PK**</b>
12166	-64.7	2hn3mh	42.3	19.3	1195.4	5000.0	<b>12.4</b>	<b>PK**</b>
14598.9	-64.0	2hn3mh	43.0	22.8	1952.8	84129.8	<b>32.7</b>	<b>PK**</b>

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

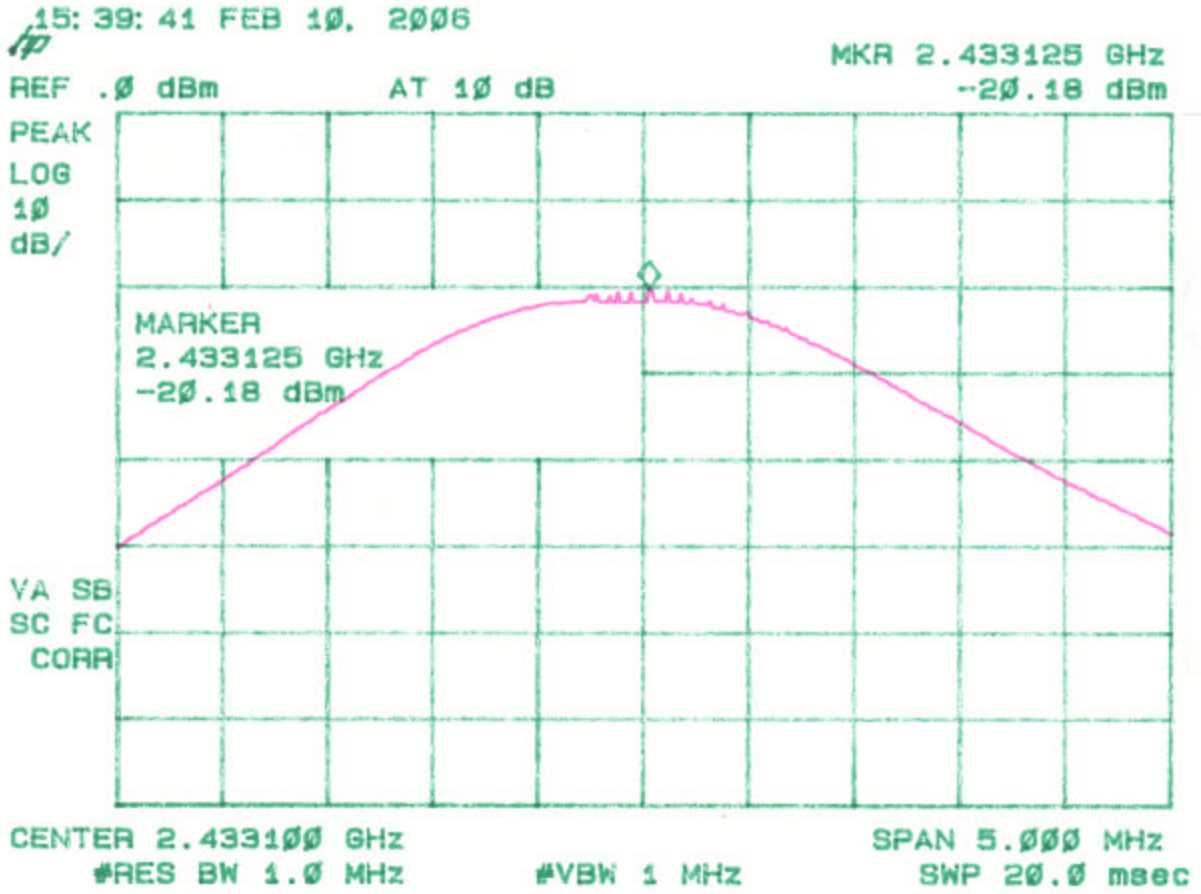




Figure 4n – 2  
Peak Radiated Spurious Emission 15.247(c) Mid - Yagi Antenna

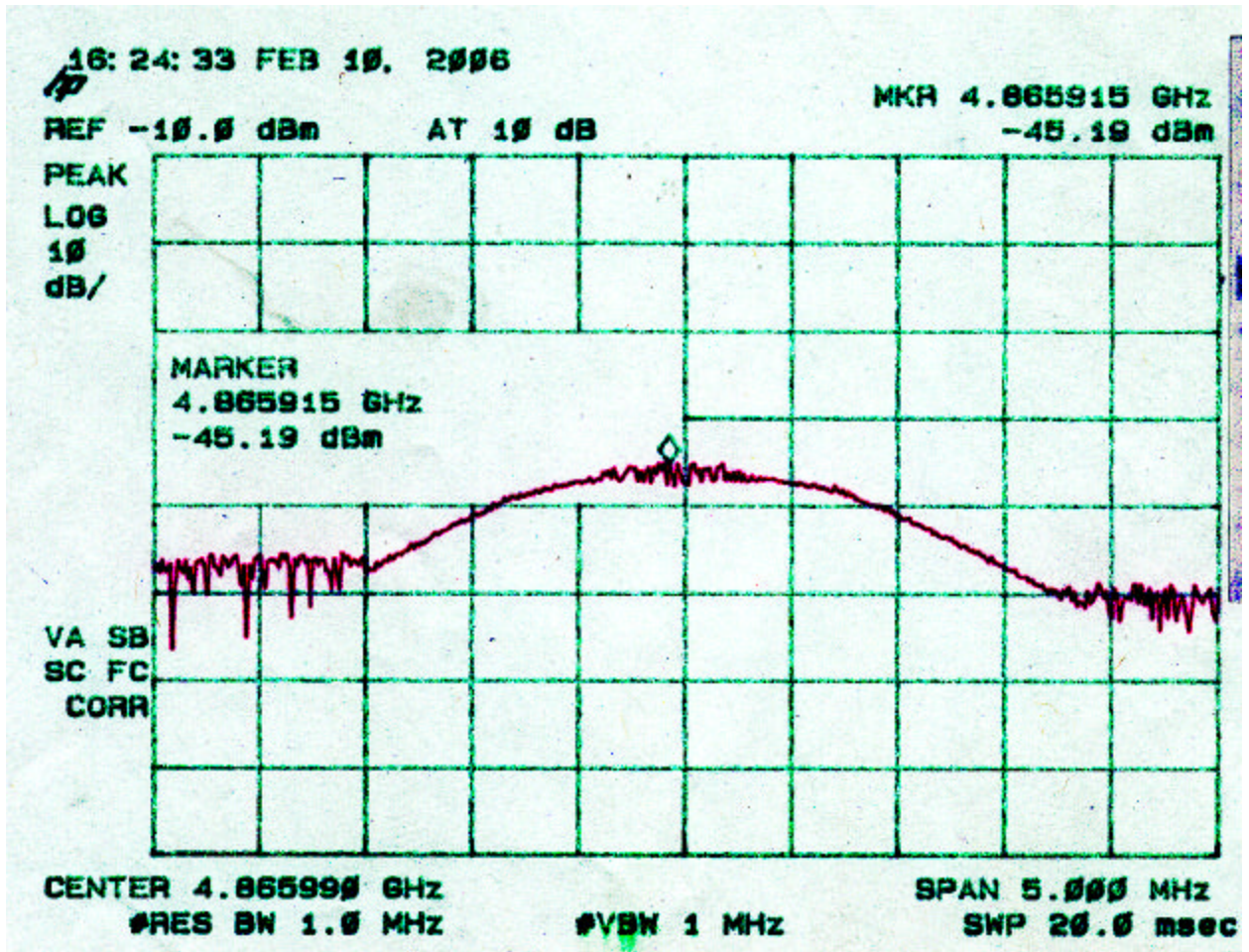


Figure 4n – 3  
Peak Radiated Spurious Emission 15.247(c) Mid - Yagi Antenna

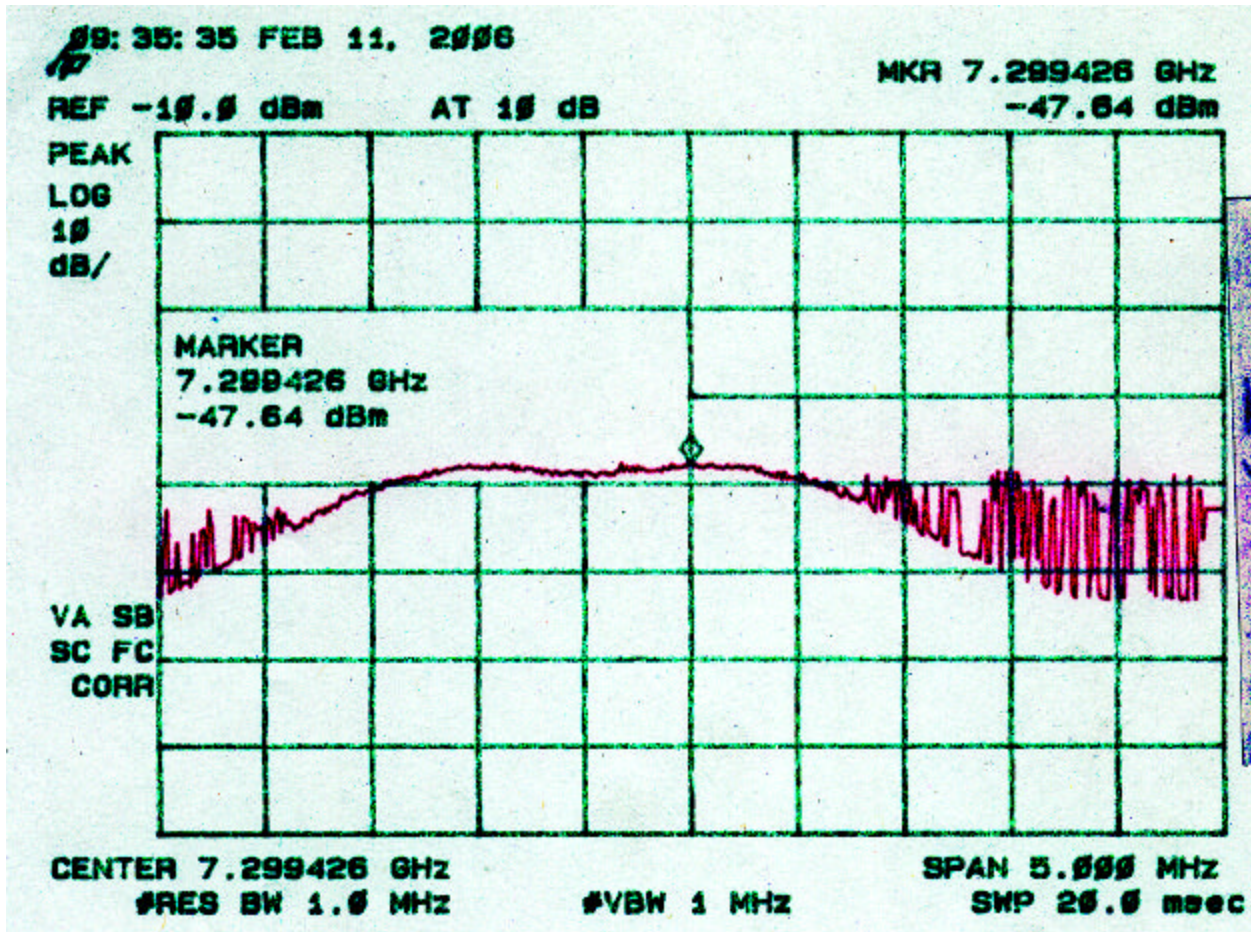
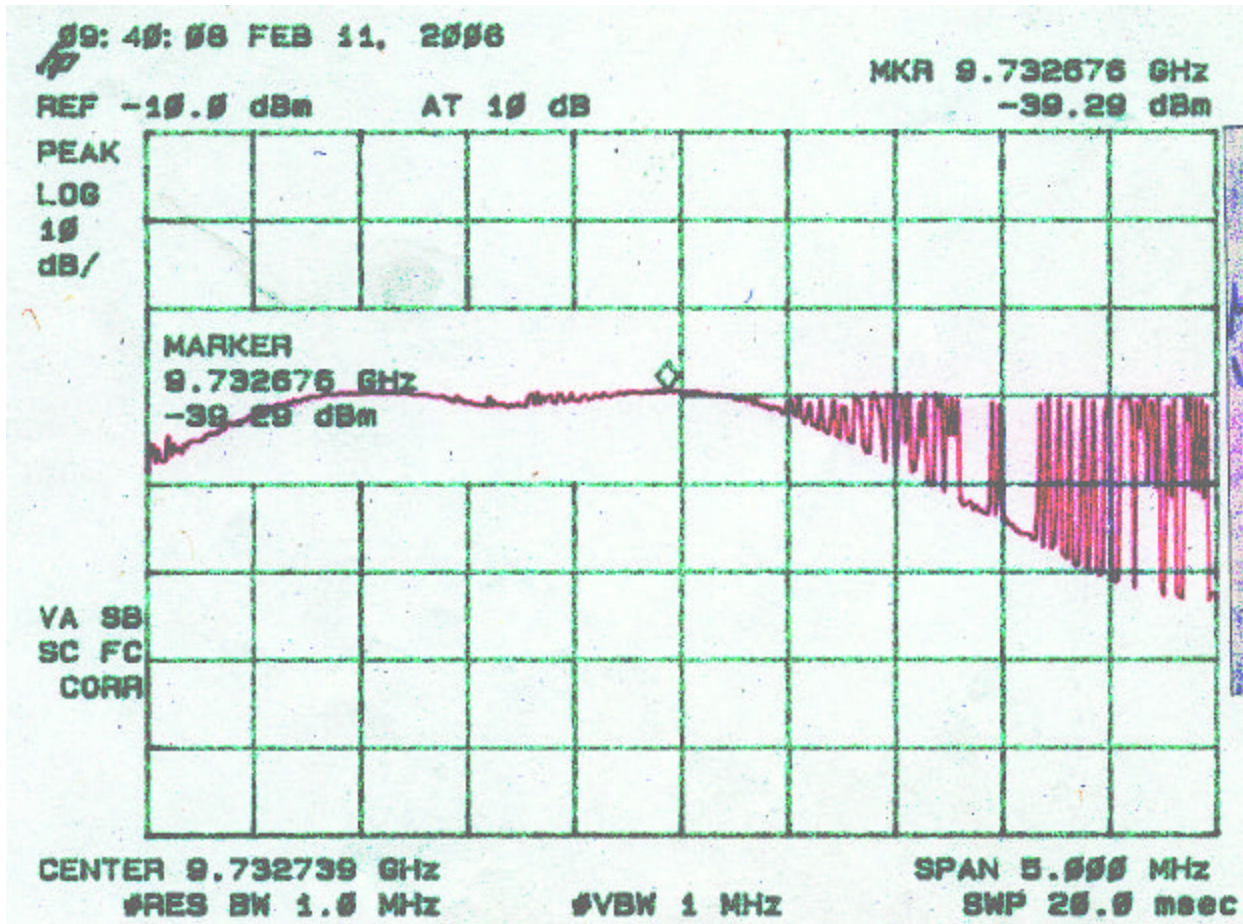


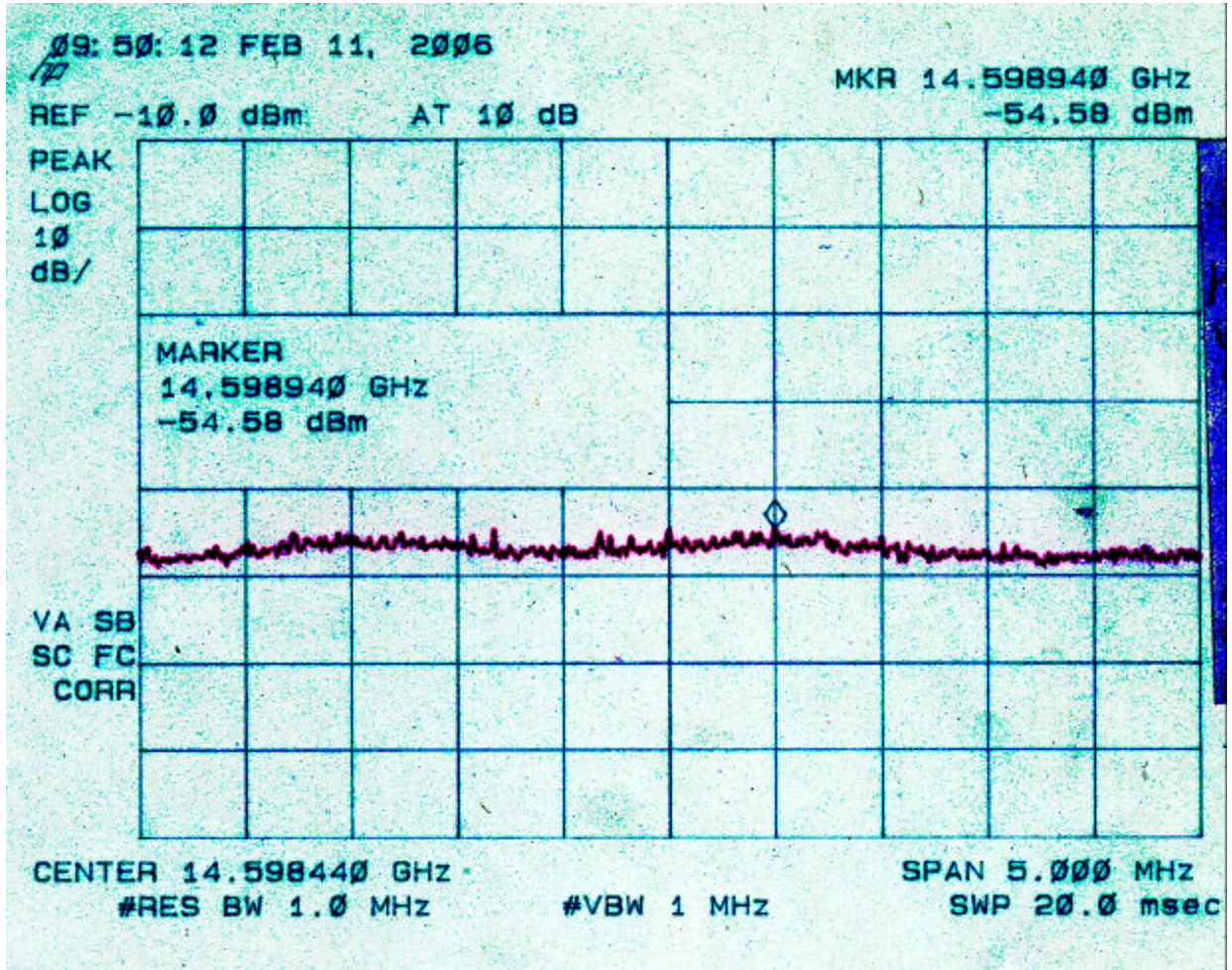
Figure 4n – 4  
Peak Radiated Spurious Emission 15.247(c) Mid - Yagi Antenna



**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								
<b>Test By:</b>	<b>Test:</b>	Spurious Emissions-Yagi Antenna-High Channel			<b>Client:</b>	Cirronet		
AT	<b>Project:</b>	06-0003	<b>Class:</b>		<b>Model:</b>	WIT2450		
<b>Frequency Range</b>		<b>Table</b>	<b>Model</b>		<b>S/N</b>	<b>Valid</b>	<b>Calibrated:</b>	
		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

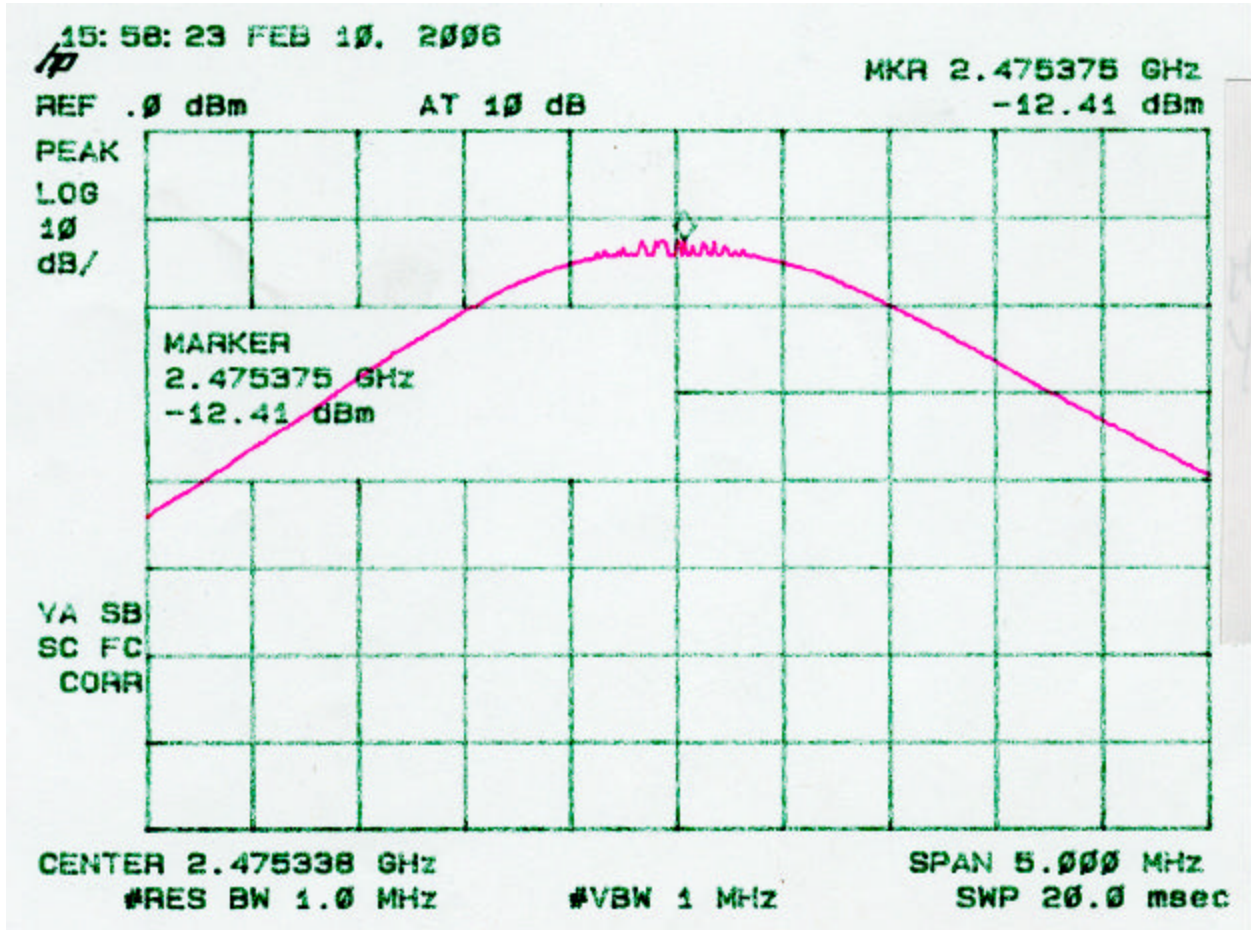
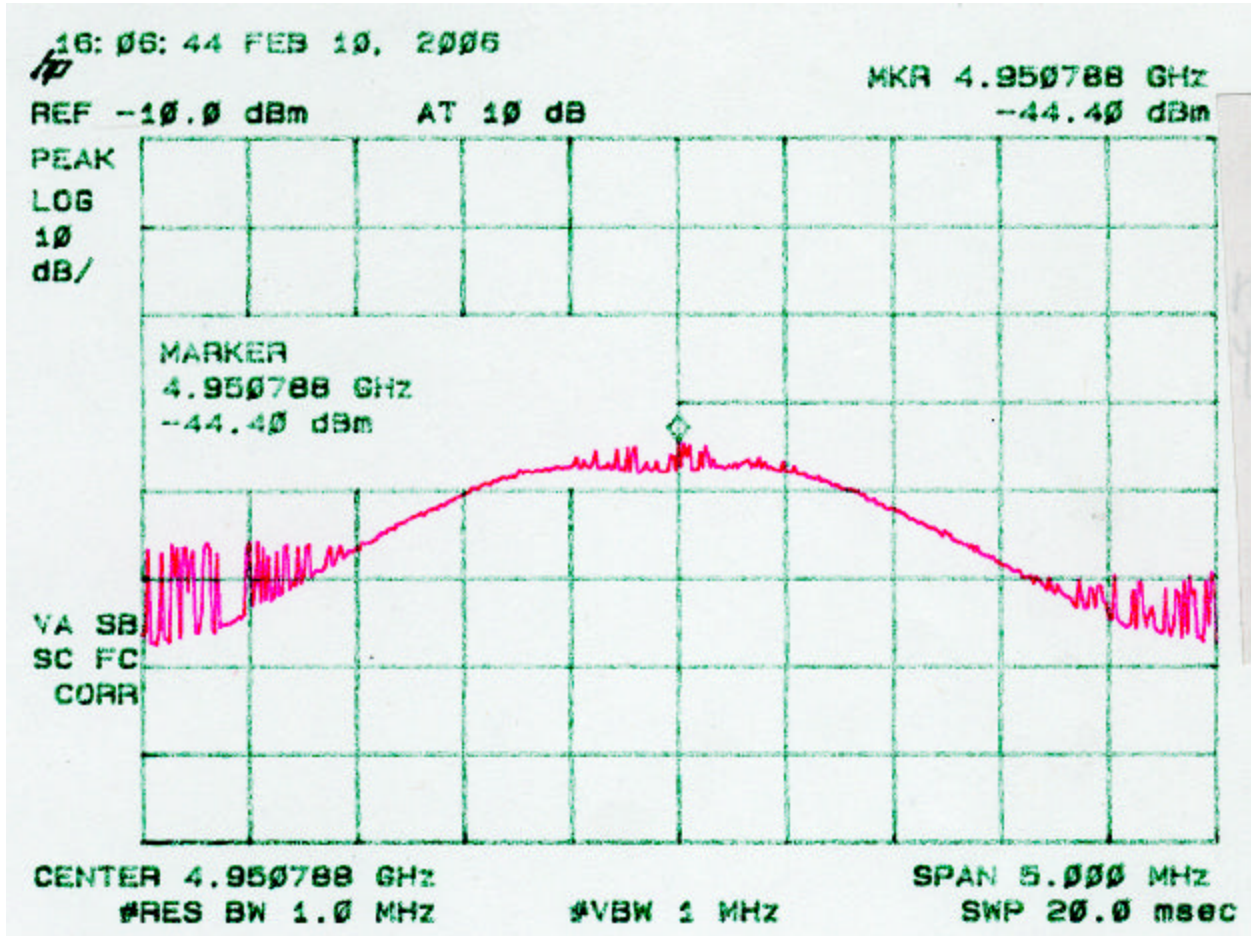
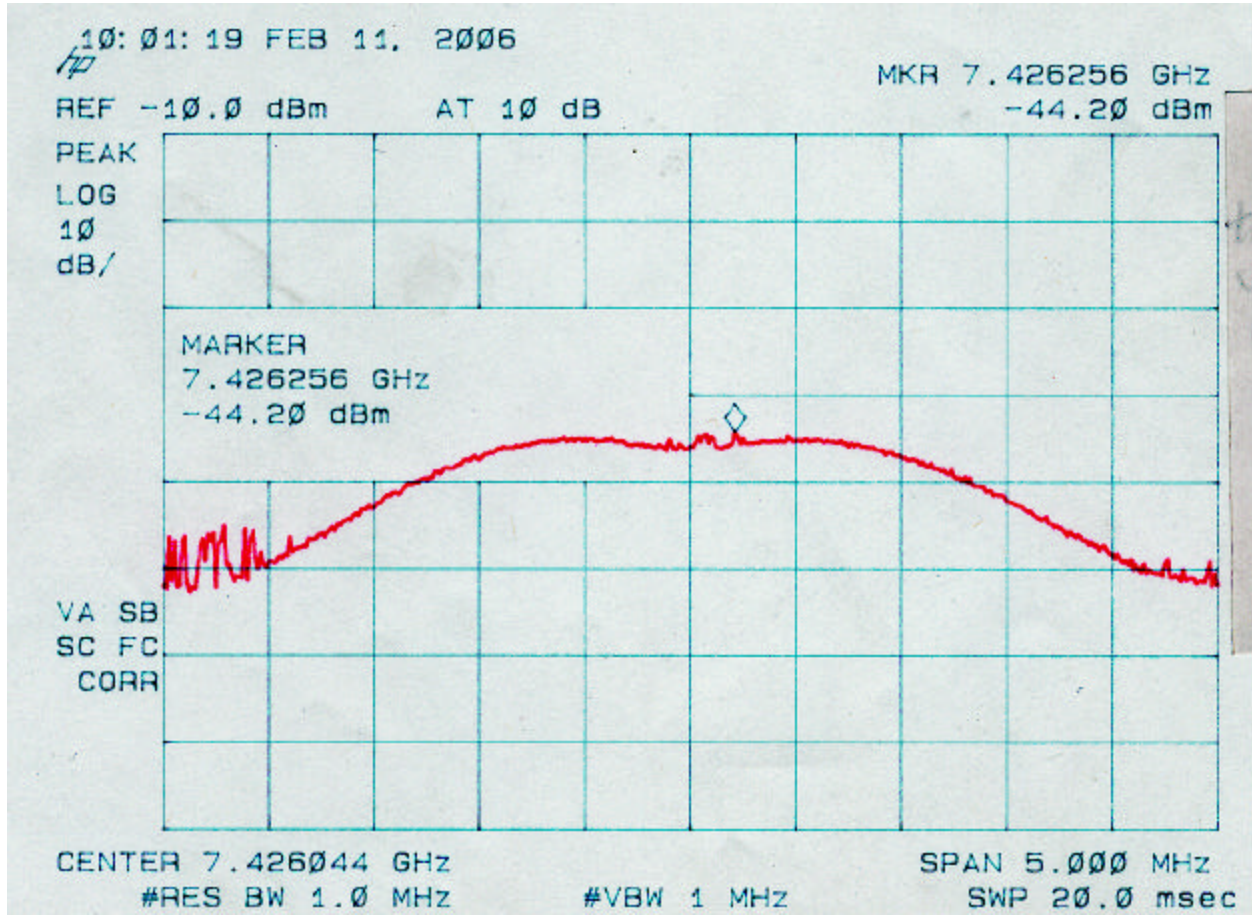


Figure 4o – 2  
Peak Radiated Spurious Emission 15.247(c) High - Yagi Antenna





**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**

