Table 4j. PEAK RADIATED SPURIOUS EMISSIONS (Low)
Large Patch Antenna

Radiated Spurious Emissions								
Test By:	**Test:**	Spurious Emissions-Large Patch Ant.-Low Channel				**Client:**	Cirronet	
A.T.	**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**
2401.61	-16.5	2hn3mh	90.5	31.6	1281840.2			**PK**
4803.575	-47.2	2hn3mh	59.8	5.4	1835.4	5000.0	**8.7**	**PK**
7204.63	-49.0	2hn3mh	58.0	10.7	2728.0	128184.0	**33.4**	**PK****
9605.75	-64.1	2hn3mh	42.9	13.3	648.2	128184.0	**45.9**	**PK****
12009.3	-64.3	2hn3mh	42.8	18.9	1214.6	5000.0	**12.3**	**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 ((-47.2 + 5.4 + 107)/20) = 1835.4
CONVERSION FROM dBm TO dBuV = 107 dB

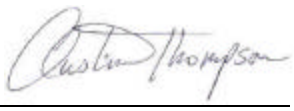
Tester Signature:  **Name: Austin Thompson**

Figure 4j – 1
Peak Radiated Spurious Emission 15.247(c) Fundamental Low – Large Patch Antenna

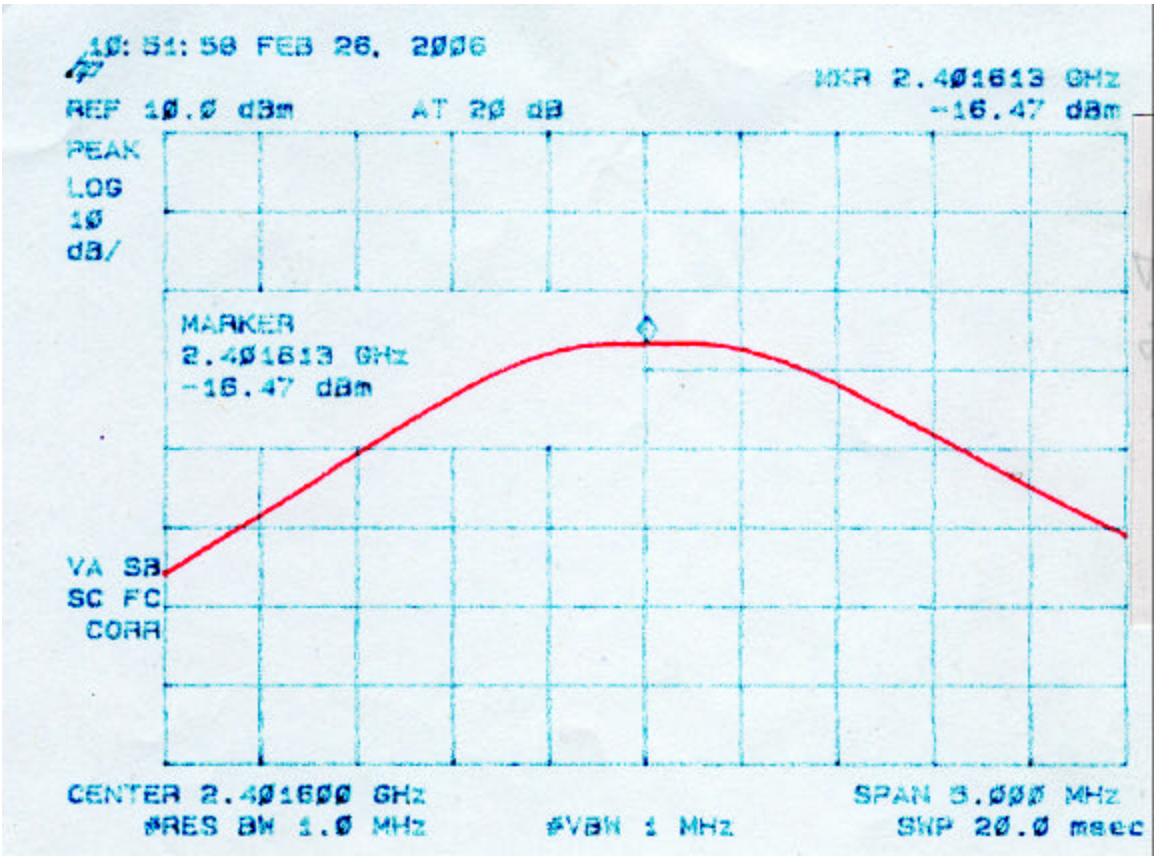


Figure 4j – 2
Peak Radiated Spurious Emission 15.247(c) Low –
Large Patch Antenna

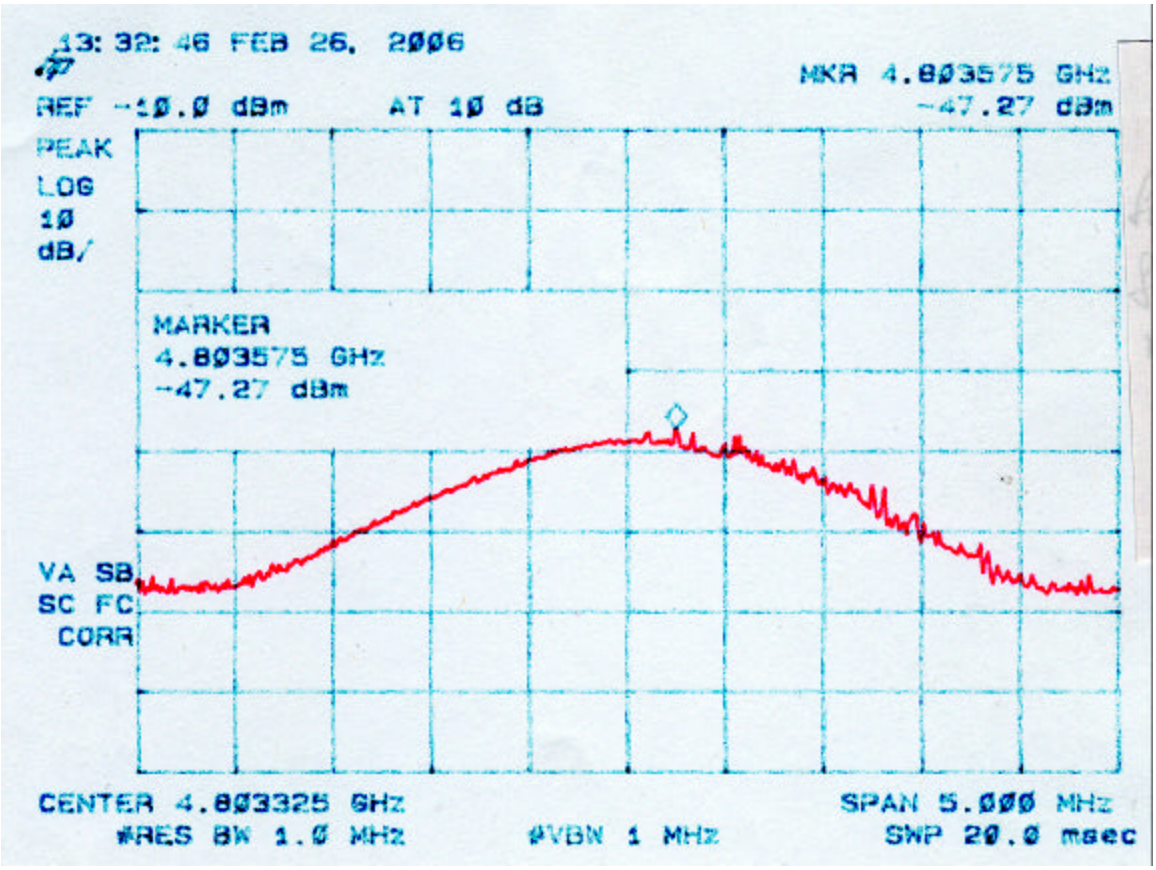


Figure 4j – 3
Peak Radiated Spurious Emission 15.247(c) Low –
Large Patch Antenna

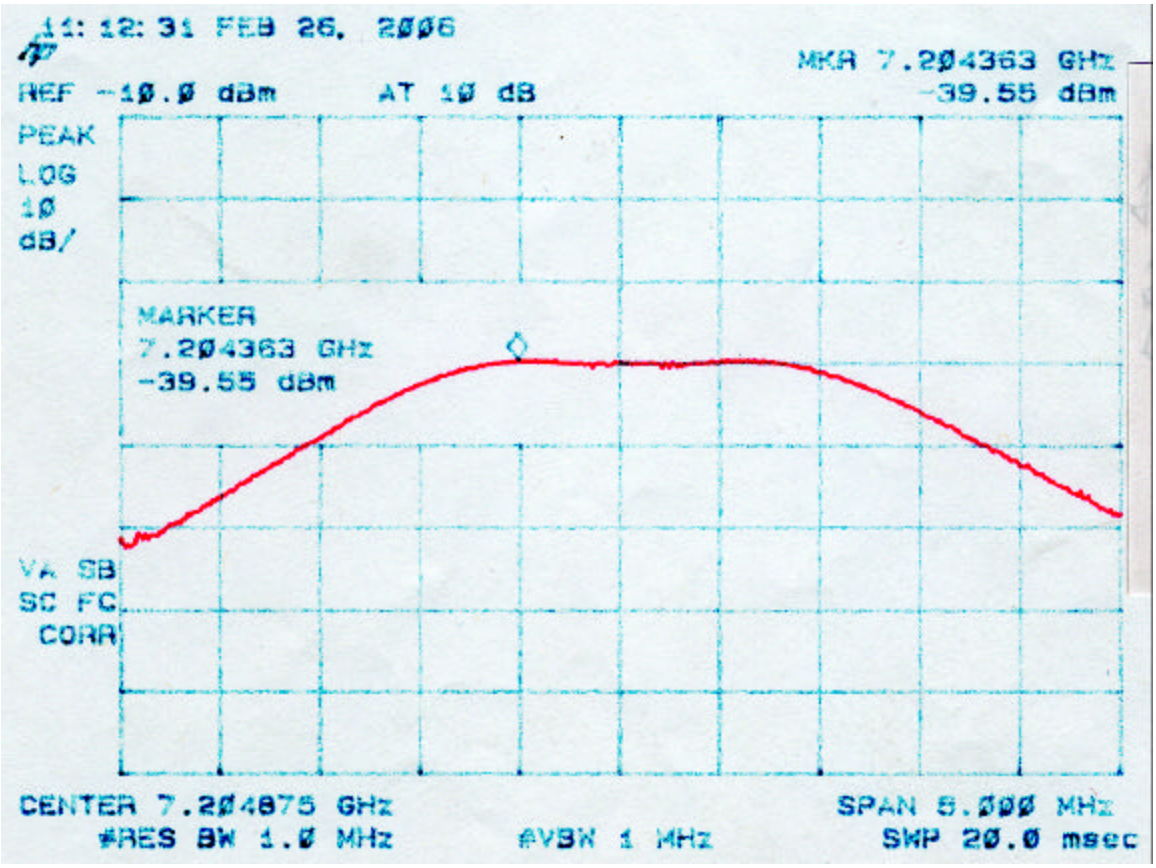


Figure 4j – 4
Peak Radiated Spurious Emission 15.247(c) Low –
Large Patch Antenna

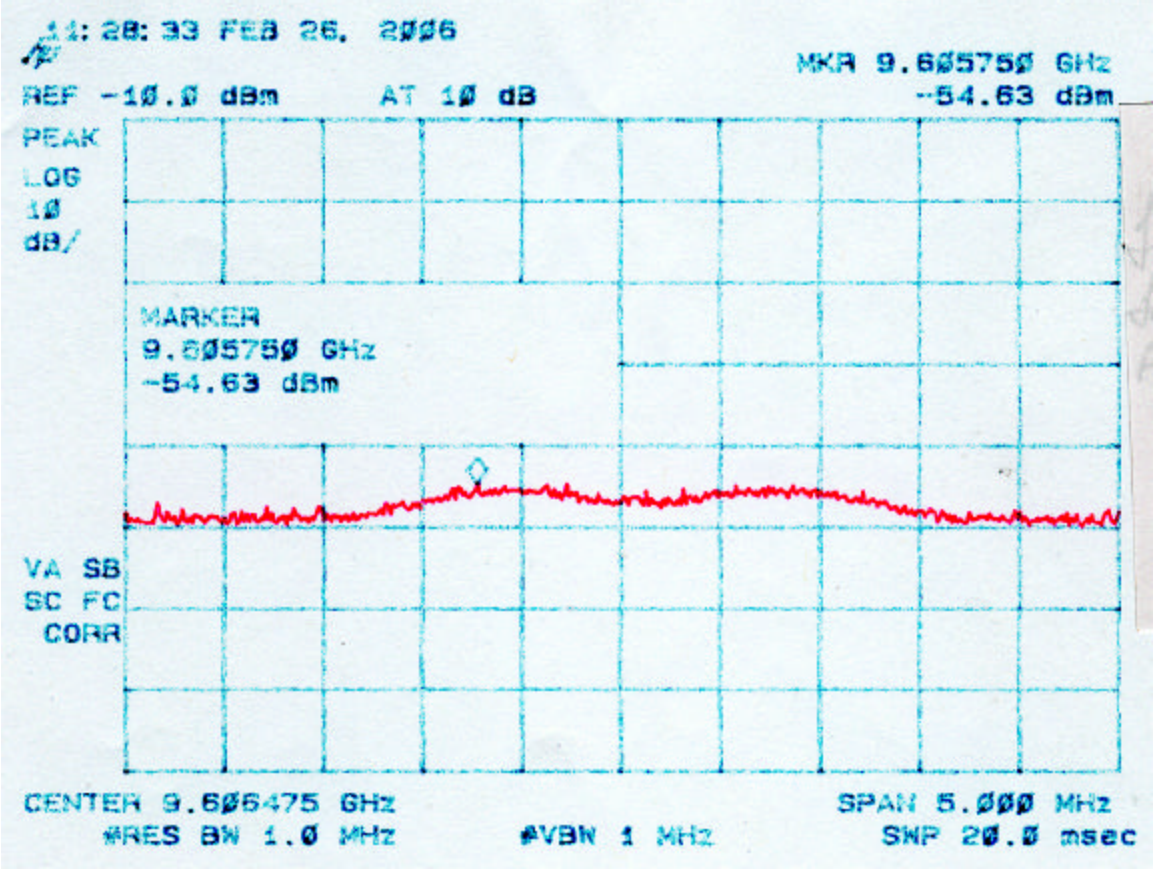


Figure 4j – 5
Peak Radiated Spurious Emission 15.247(c) Low –
Large Patch Antenna

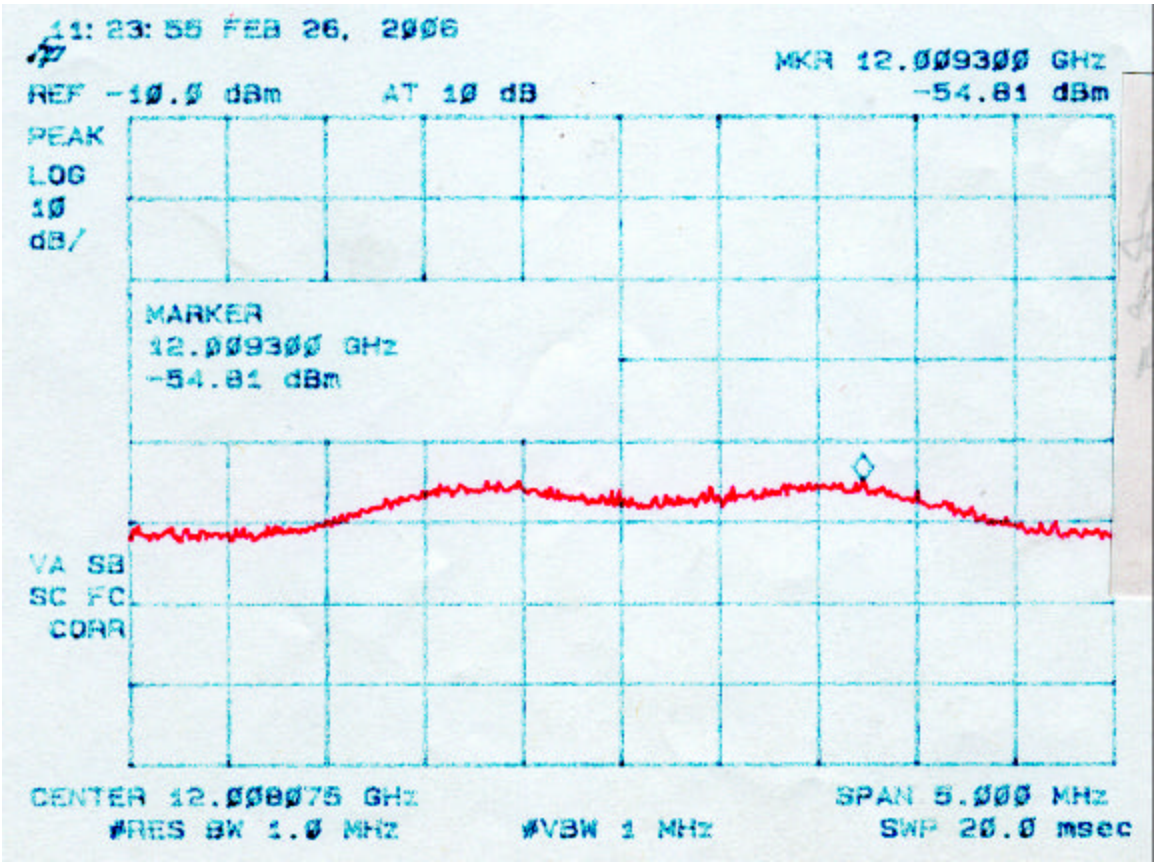


Table 4k. PEAK RADIATED SPURIOUS EMISSIONS (Mid)
Large Patch Antenna

Radiated Spurious Emissions								
Test By:	**Test:**	Spurious Emissions-Large Patch Ant.- 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**
2435.73	-16.7	2hn3mh	90.3	31.7	1255062.1			**PK**
4871.663	-45.5	2hn3mh	61.5	5.7	2289.7	5000.0	**6.8**	**PK**
7307.85	-47.8	2hn3mh	59.2	10.9	3173.9	125506.2	**31.9**	**PK****
9742.175	-67.5	2hn3mh	39.5	13.5	447.0	125506.2	**49.0**	**PK****
12177.85	-55.7	2hn3mh	51.3	19.3	3378.3	5000.0	**3.4**	**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 ((-45.5 + 5.7 + 107)/20) = 2289.7
CONVERSION FROM dBm TO dBuV = 107 dB

Tester Signature:  **Name: Austin Thompson**

Figure 4k – 1
Peak Radiated Spurious Emission 15.247(c) Fundamental Mid – Large Patch Antenna

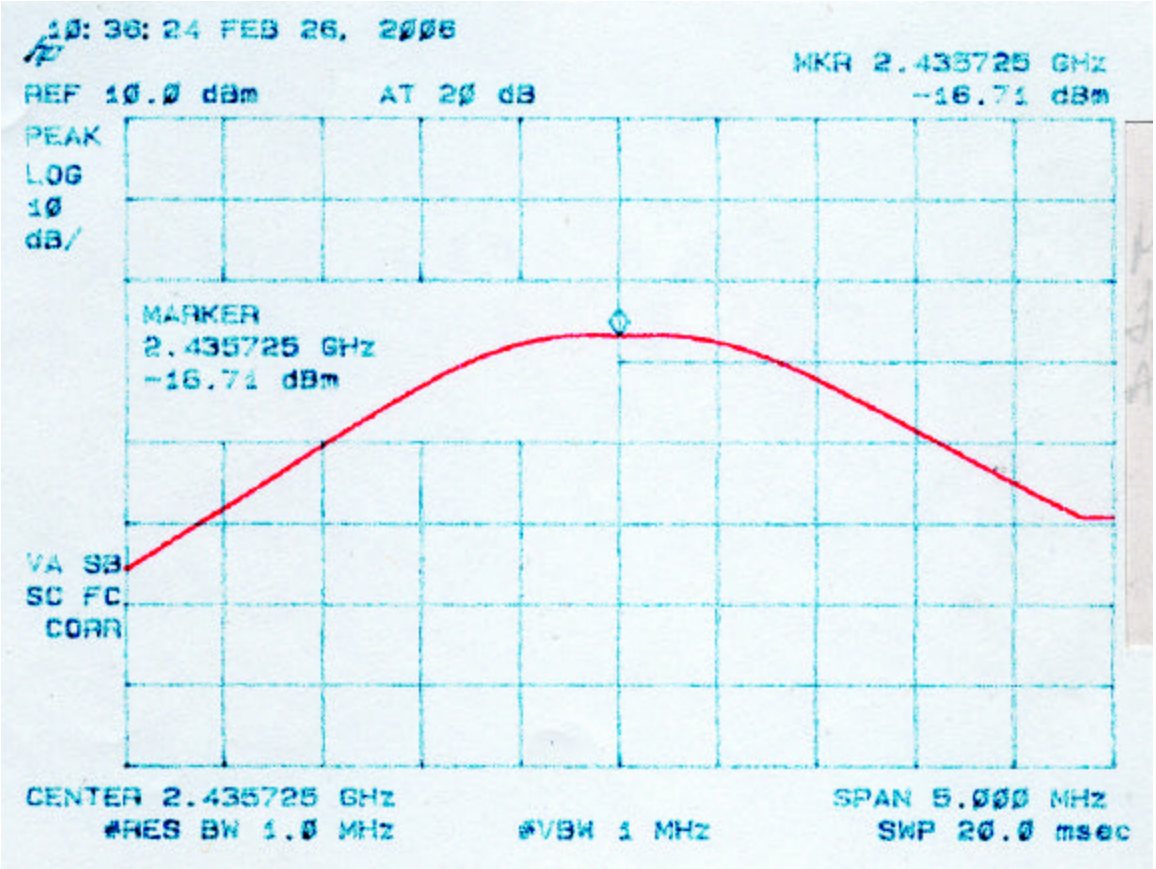


Figure 4k – 2
Peak Radiated Spurious Emission 15.247(c) Mid – Large Patch Antenna

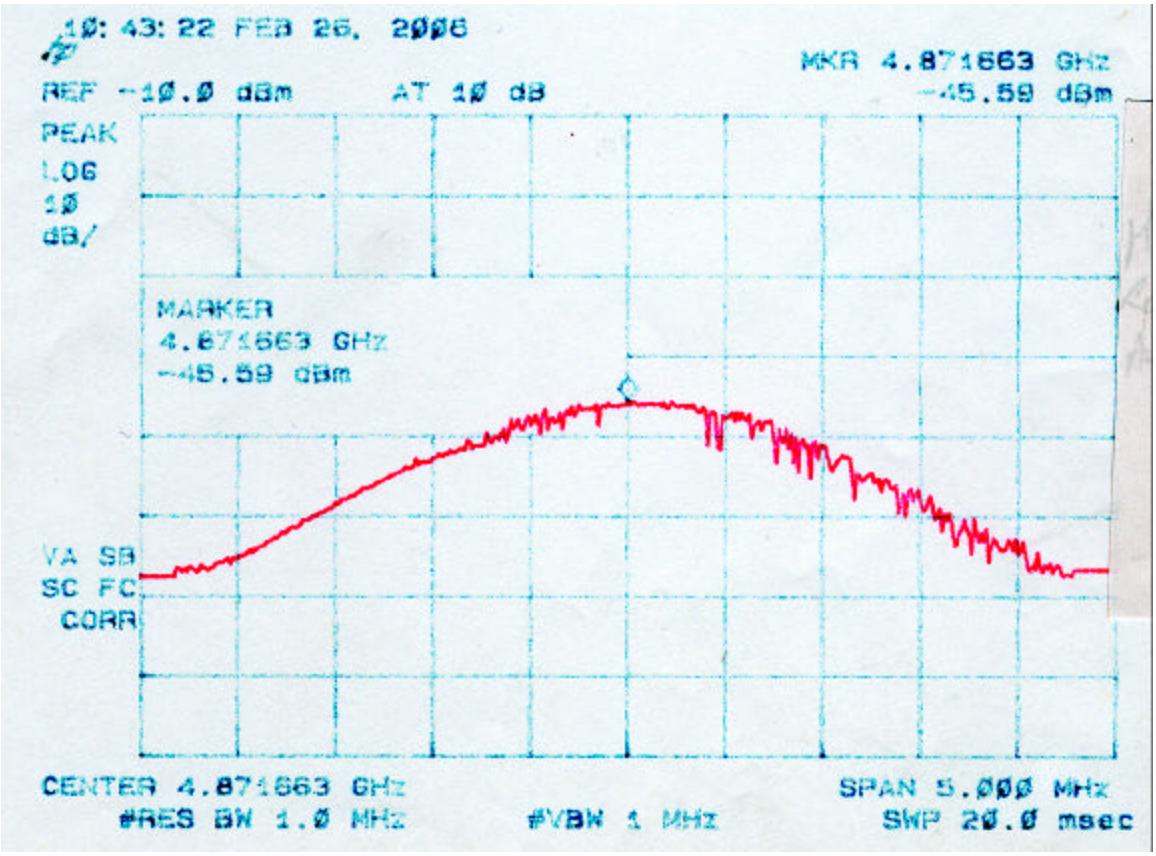


Figure 4k – 3
Peak Radiated Spurious Emission 15.247(c) Mid – Large Patch Antenna

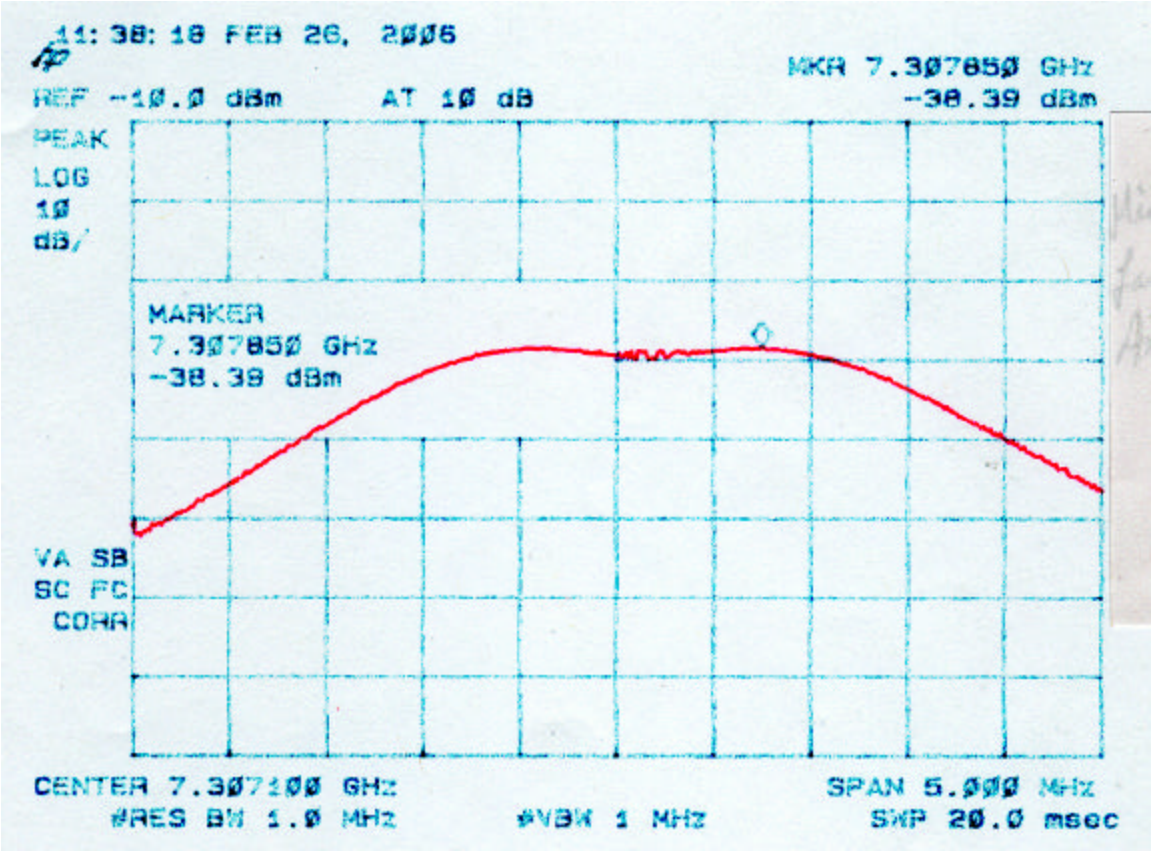


Figure 4k – 4
Peak Radiated Spurious Emission 15.247(c) Mid –
Large Patch Antenna

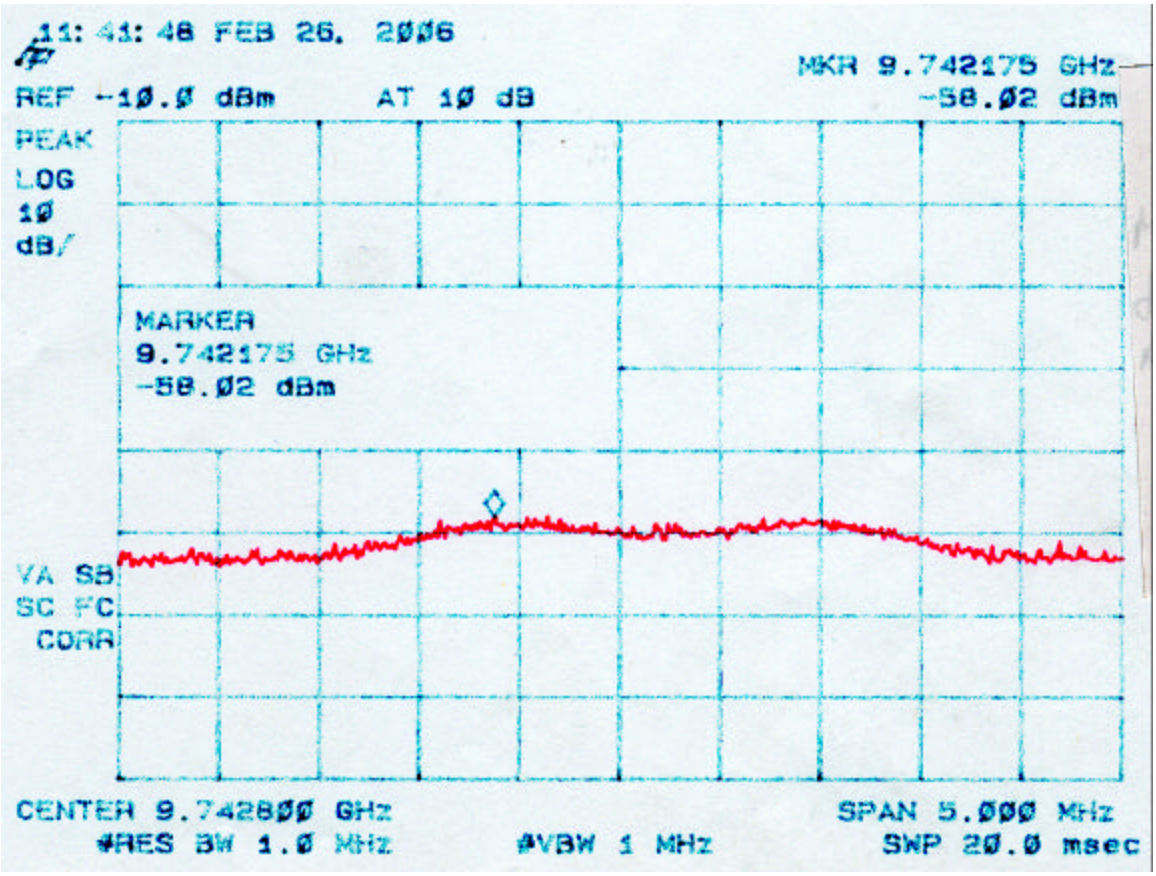


Figure 4k – 5
Peak Radiated Spurious Emission 15.247(c) Mid – Large Patch Antenna

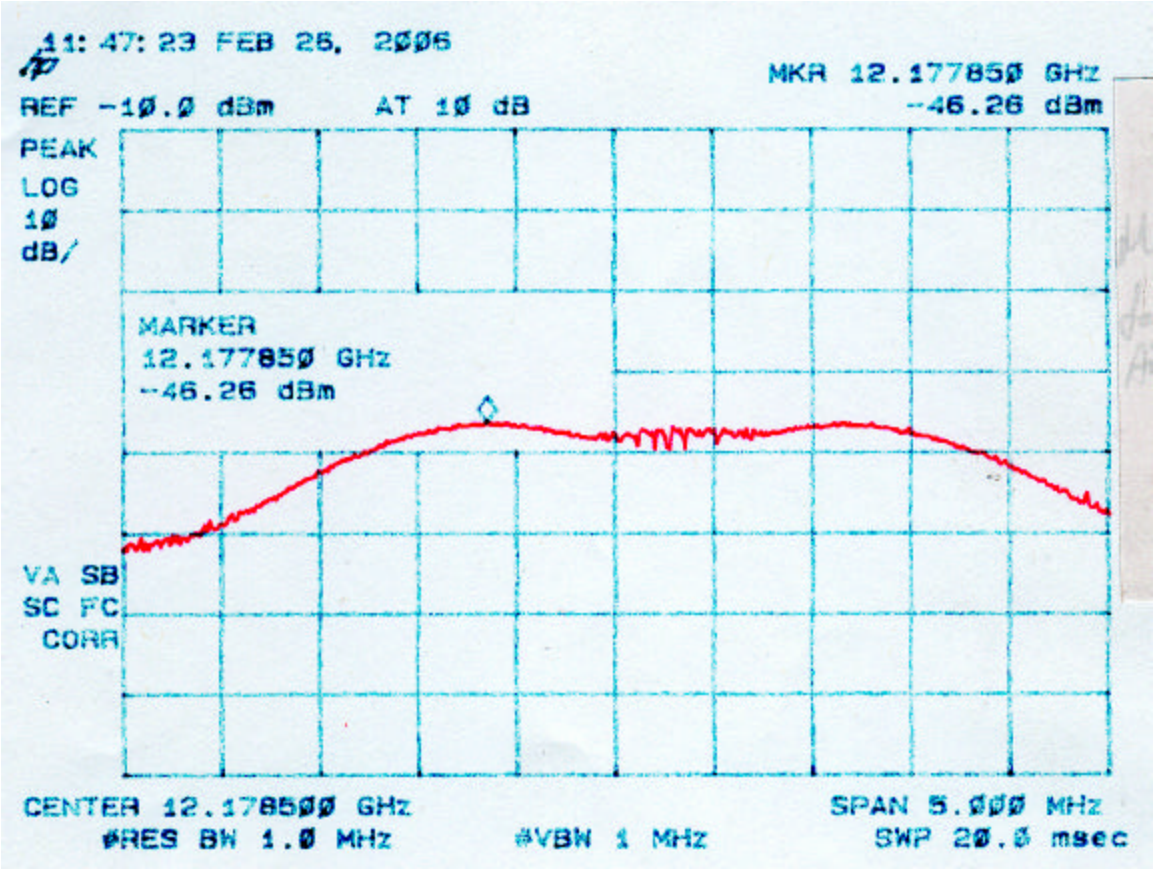


Table 4l. PEAK RADIATED SPURIOUS EMISSIONS (High)
Large Patch Antenna

Radiated Spurious Emissions								
Test By:	**Test:**	Spurious Emissions-Large Patch Ant.- Hi Channel				**Client:**	Cirronet	
A.T.	**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**
2469.81	-17.1	2hn3mh	89.9	31.7	1210582.8			**PK**
4939.875	-43.6	2hn3mh	63.4	5.9	2940.1	5000.0	**4.6**	**PK**
7409.013	-48.2	2hn3mh	58.8	11.0	3105.8	121058.3	**31.8**	**PK****
9878.7	-66.9	2hn3mh	40.1	13.6	484.6	121058.3	**48.0**	**PK****
12350.04	-62.1	2hn3mh	44.9	19.6	1678.1	5000.0	**9.5**	**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 ((-43.6 + 5.9 + 107)/20) = 2940.1
CONVERSION FROM dBm TO dBuV = 107 dB

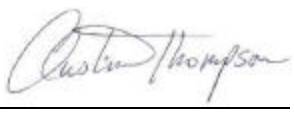
Tester Signature:  **Name: Austin Thompson**

Figure 4l – 1
Peak Radiated Spurious Emission 15.247(c) Fundamental High – Large Patch Antenna

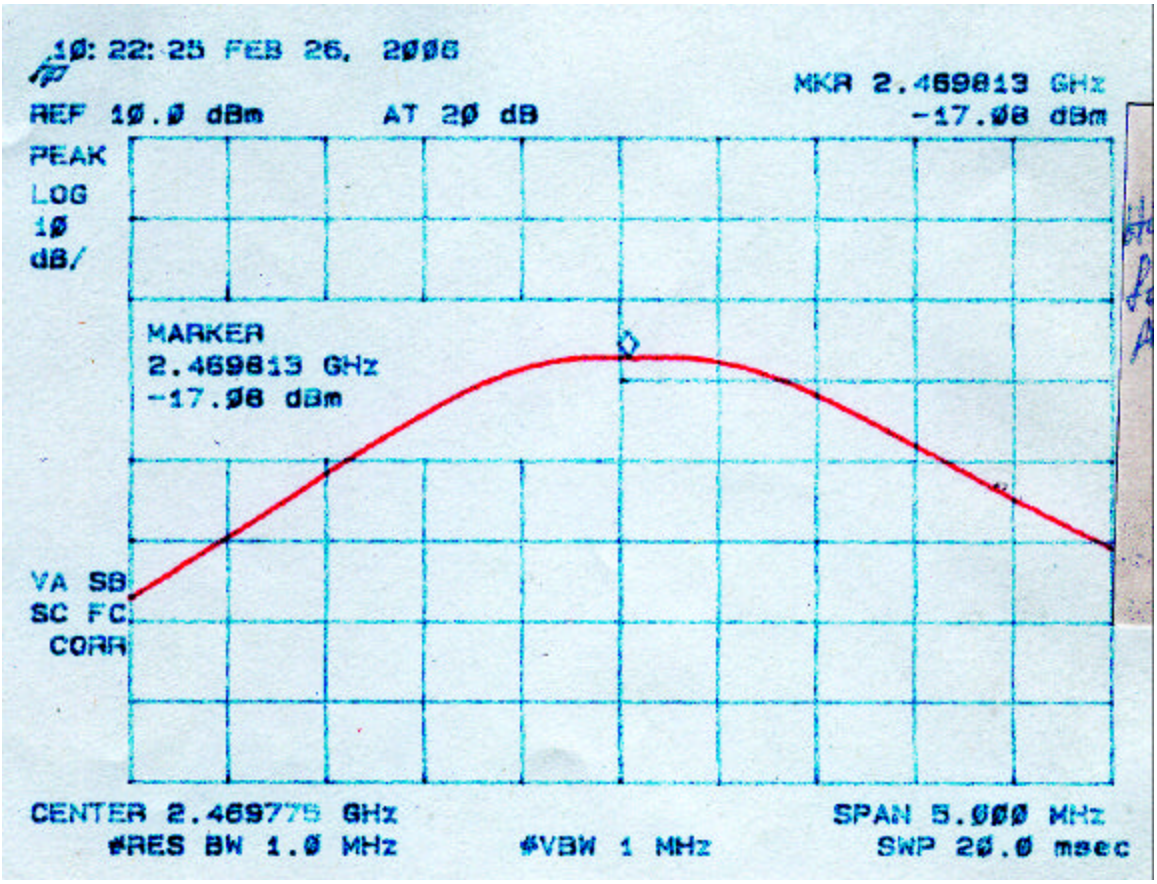


Figure 4l – 2
Peak Radiated Spurious Emission 15.247(c) High –
Large Patch Antenna

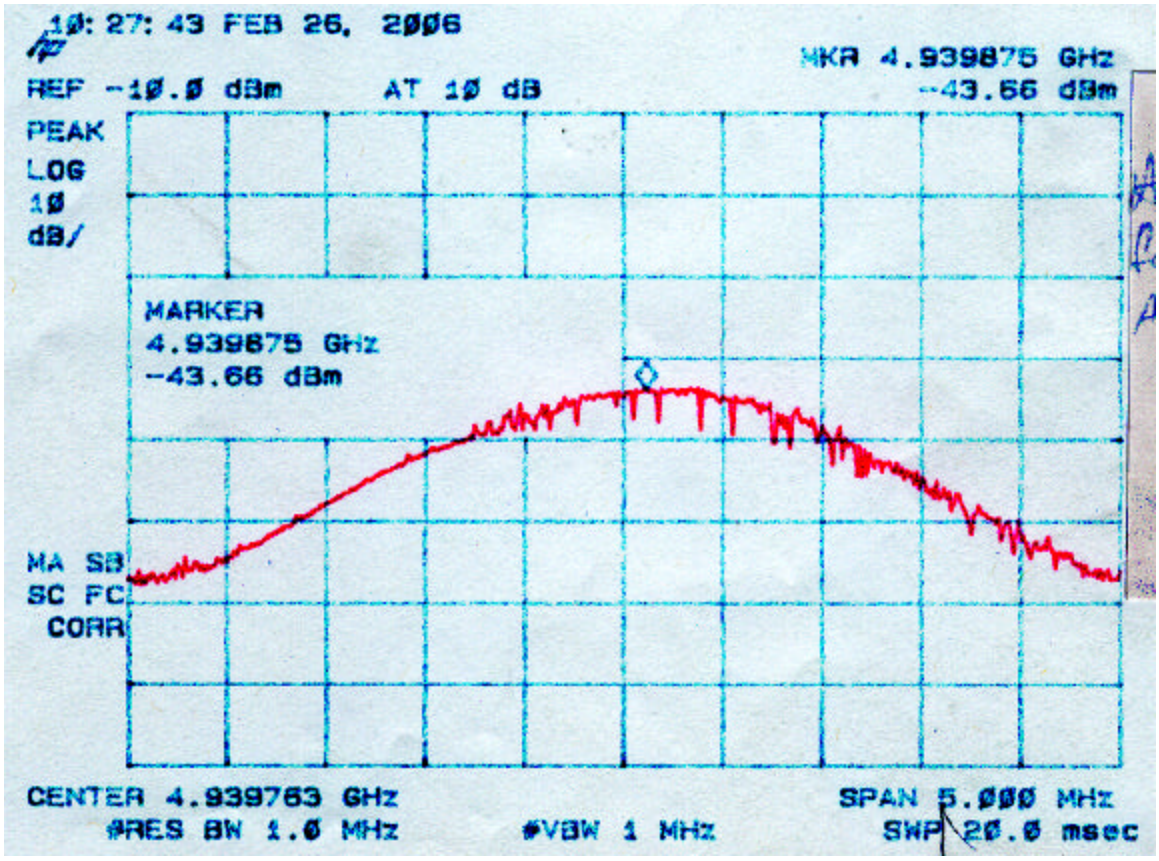


Figure 4l – 3
Peak Radiated Spurious Emission 15.247(c) High – Large Patch Antenna

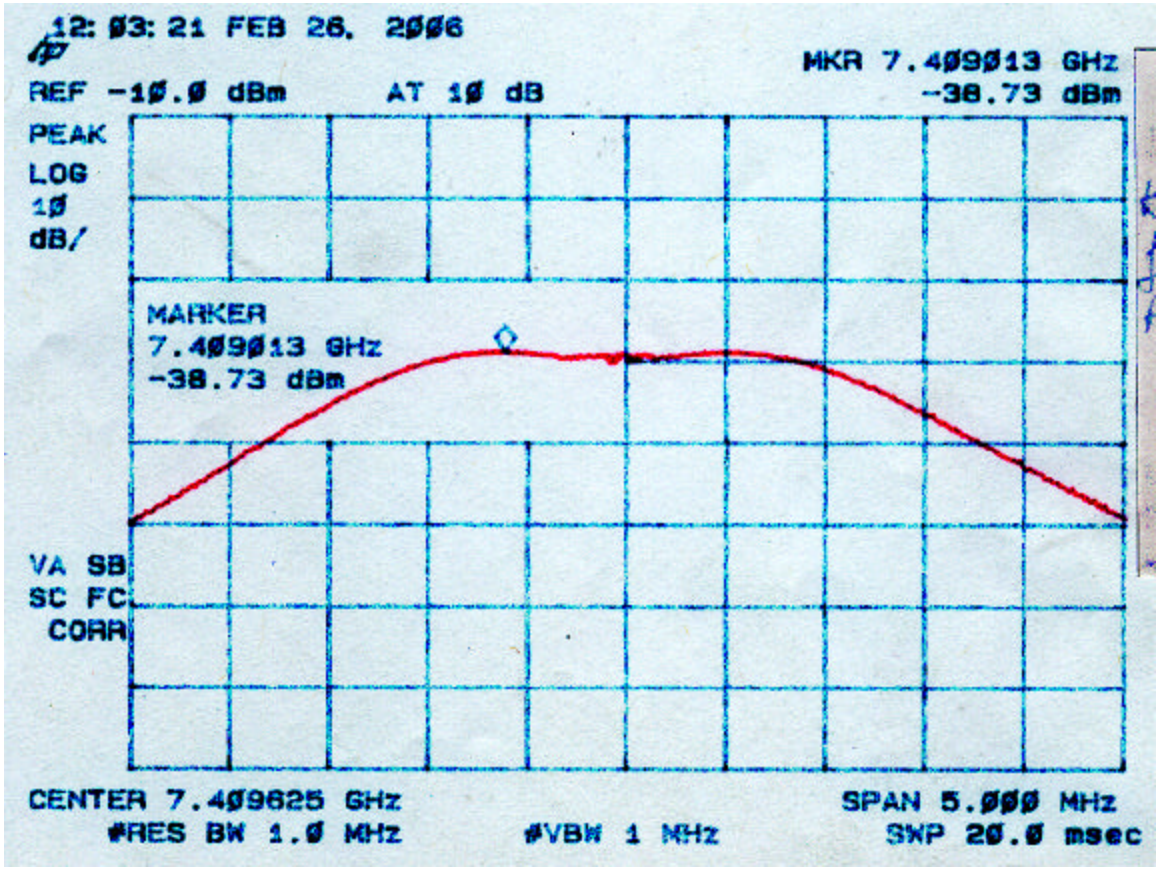


Figure 4l – 4
Peak Radiated Spurious Emission 15.247(c) High –
Large Patch Antenna

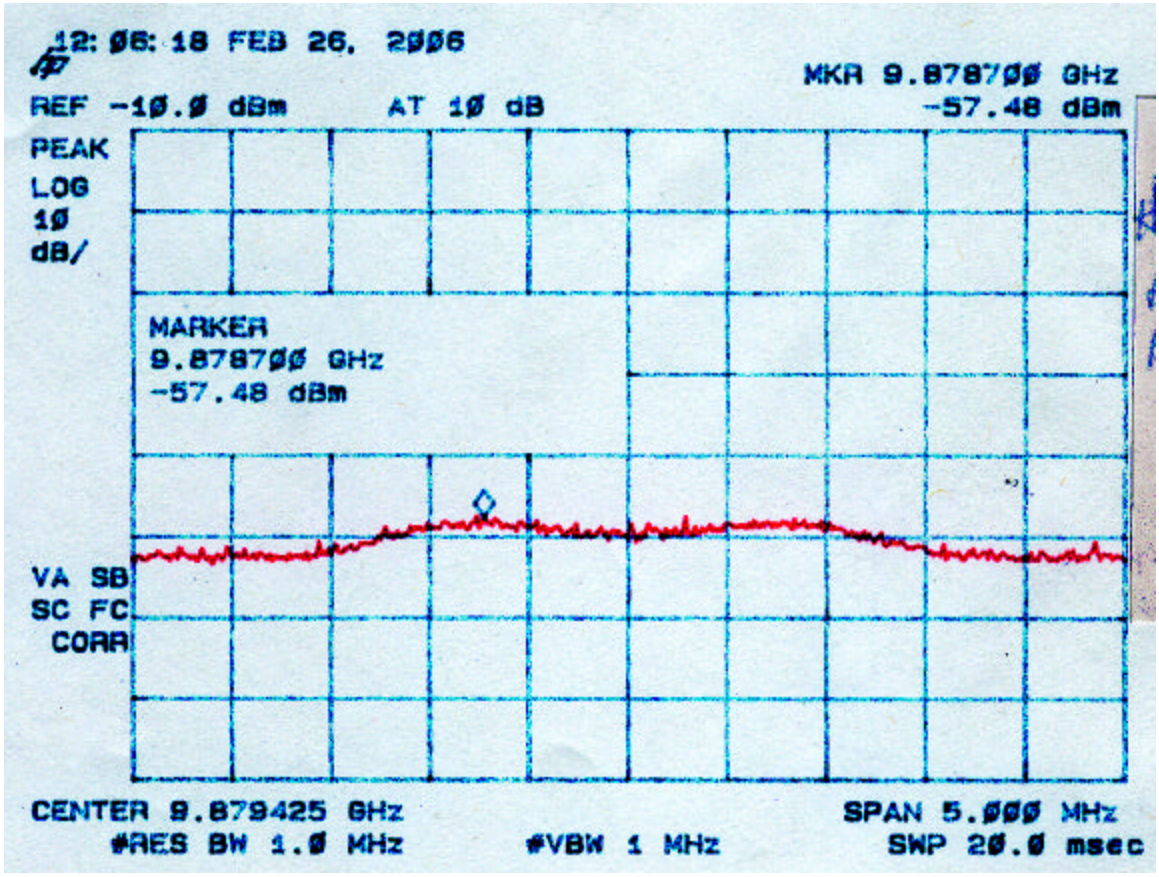


Figure 4l – 5
Peak Radiated Spurious Emission 15.247(c) High – Large Patch Antenna