

Figure 5e-1
Peak Radiated Spurious Emission 15.247(c) Low Channel – Parabolic Dish
2nd Harmonic

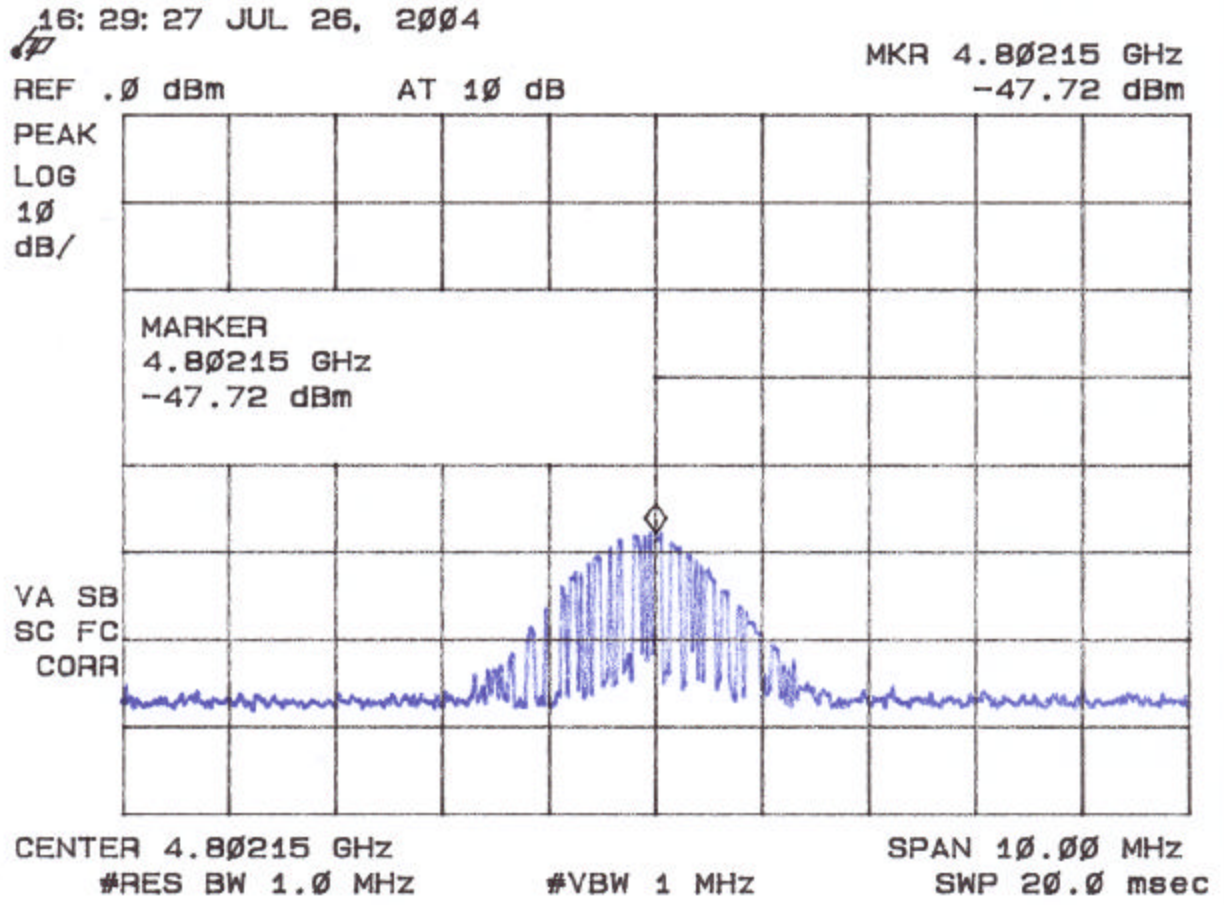


Figure 5e-2
Peak Radiated Spurious Emission 15.247(c) Low Channel – Parabolic Dish
3rd Harmonic

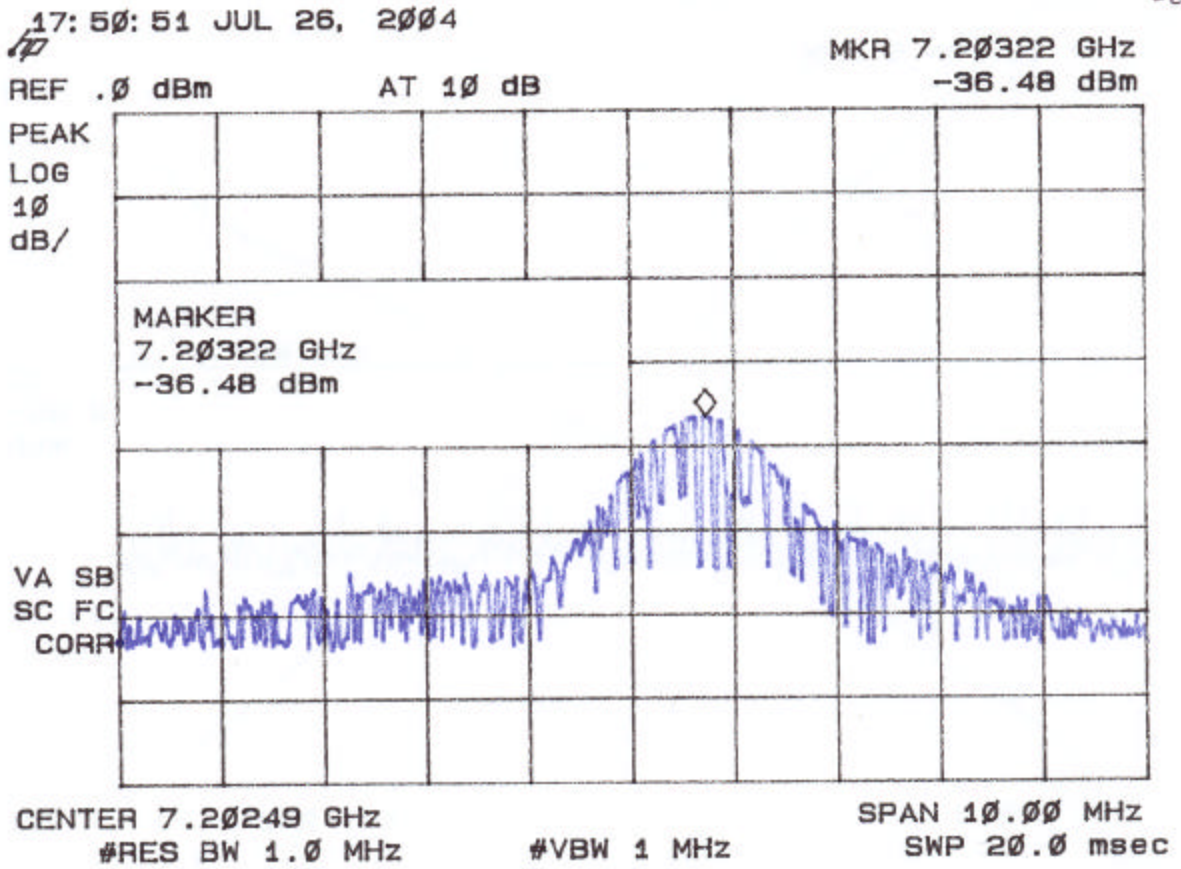


Figure 5f-1
Peak Radiated Spurious Emission 15.247(c) Low Mid Channel – Parabolic
Dish
2nd Harmonic

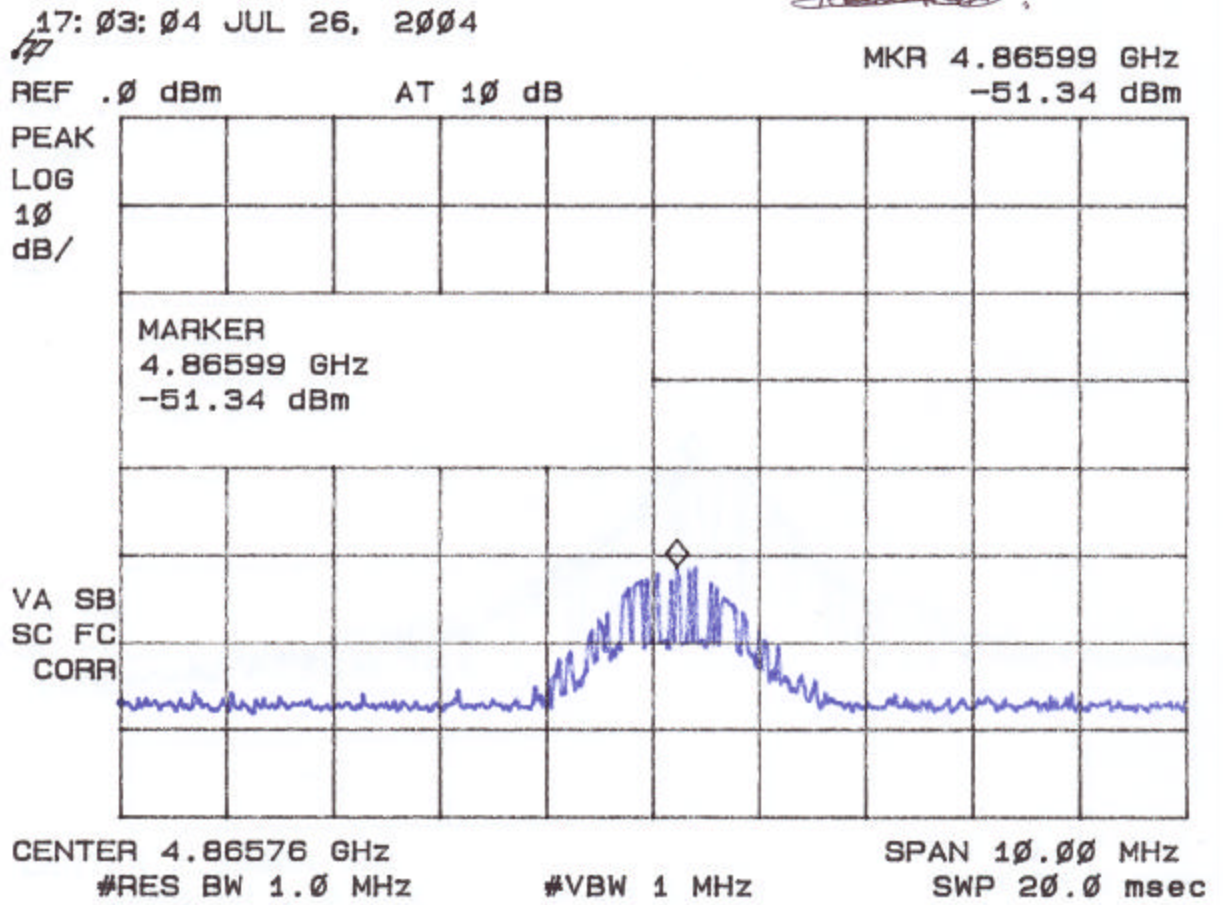


Figure 5f-2
Peak Radiated Spurious Emission 15.247(c) Low Mid Channel – Parabolic
Dish
3rd Harmonic

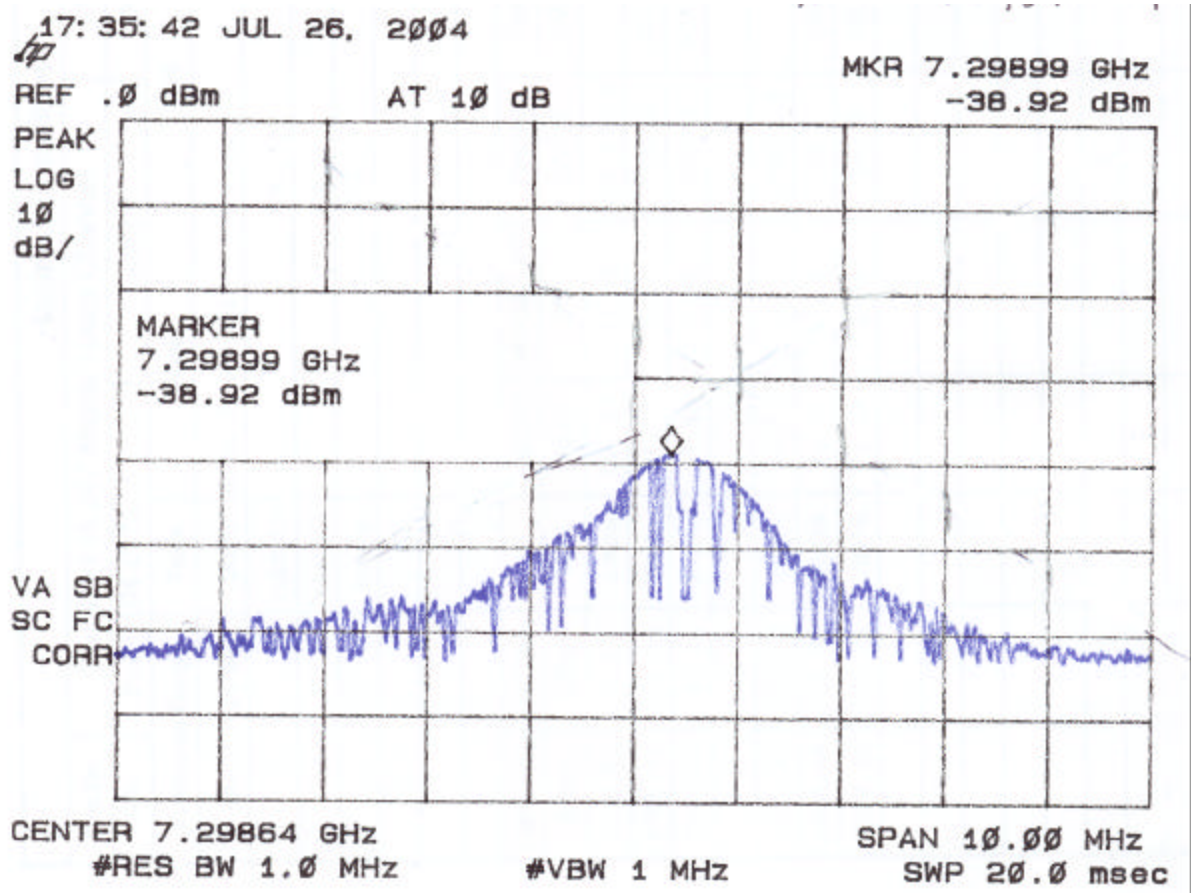


Figure 5g-1
Peak Radiated Spurious Emission 15.247(c) High Mid Channel – Parabolic
Dish
2nd Harmonic

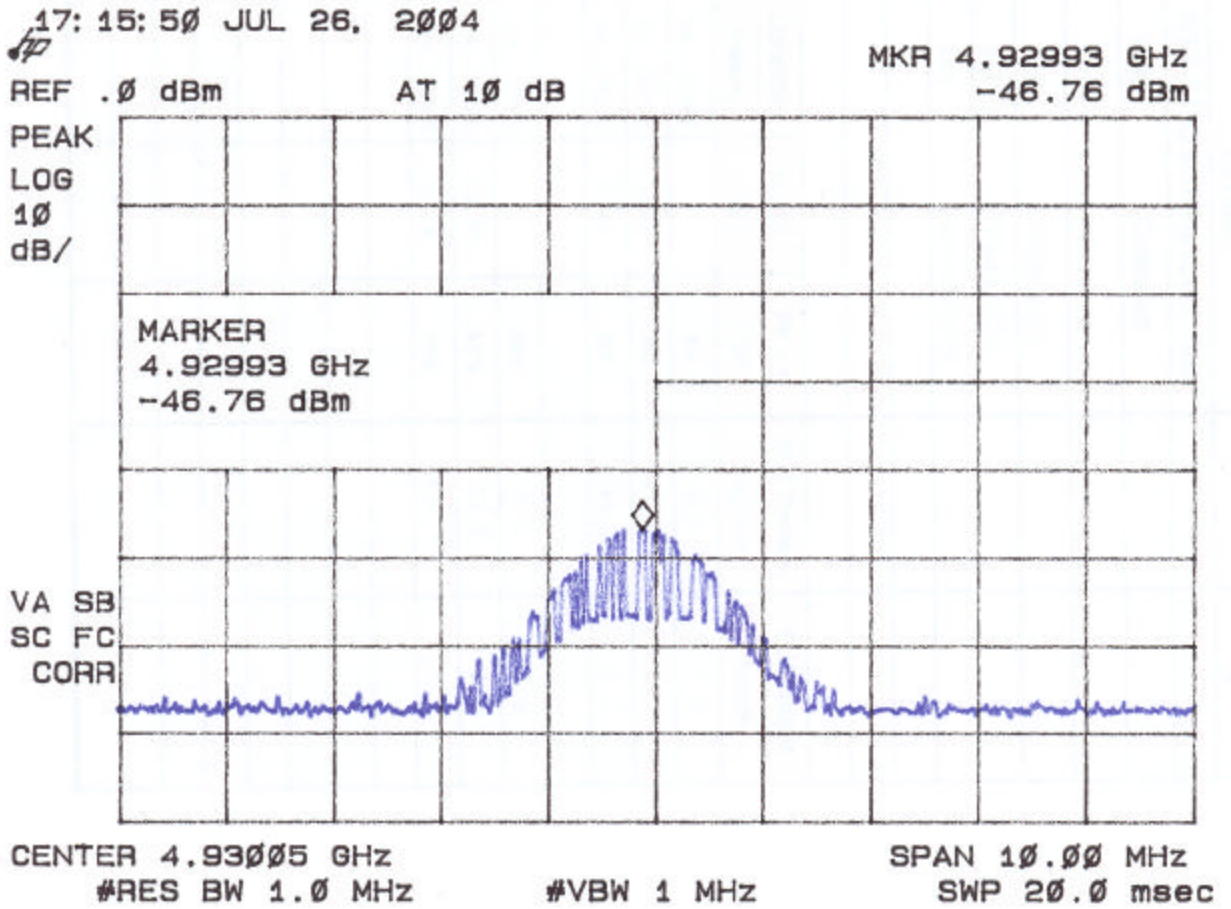


Figure 5g-2
Peak Radiated Spurious Emission 15.247(c) High Mid Channel – Parabolic
Dish
3rd Harmonic

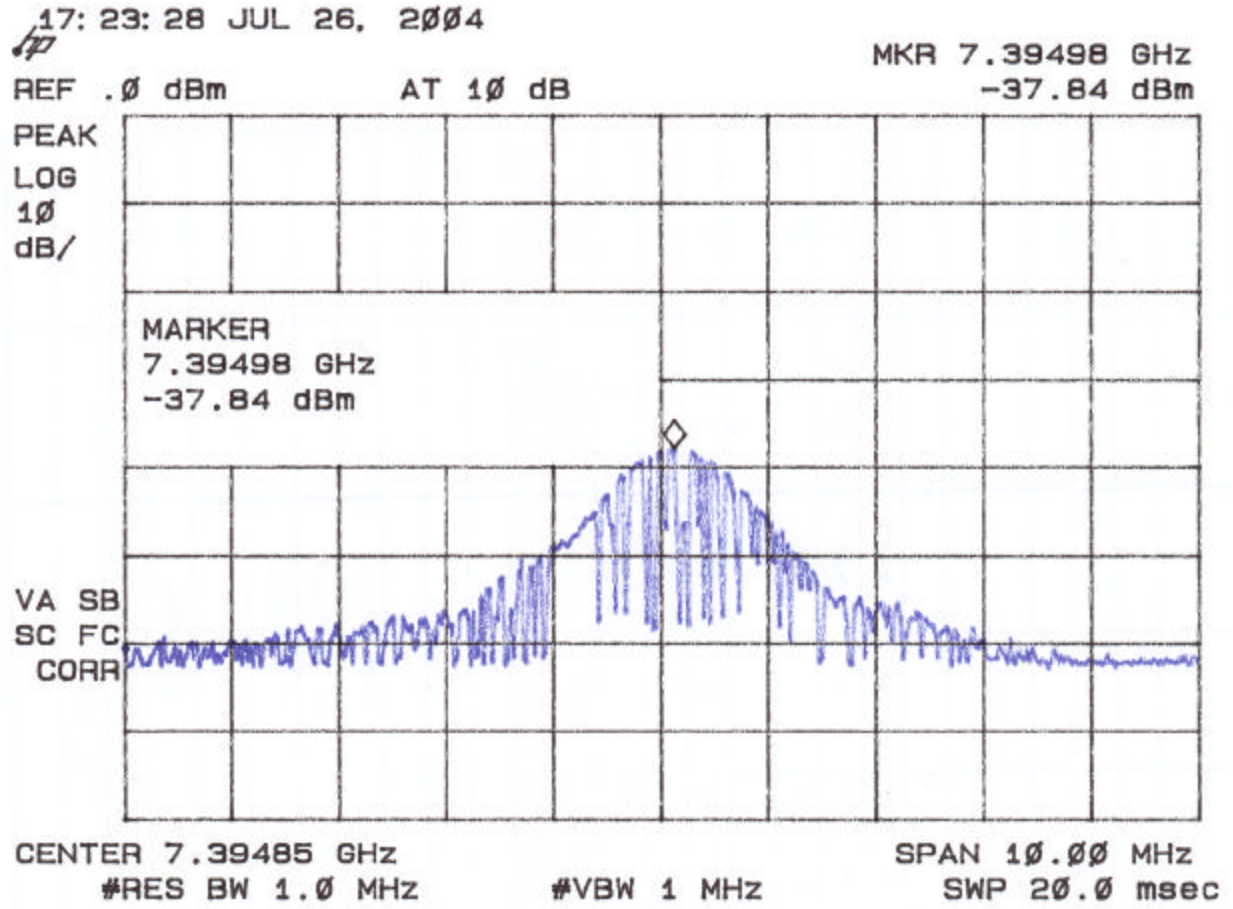


Figure 5h-1
Peak Radiated Spurious Emission 15.247(c) High Channel- Parabolic Dish
2nd Harmonic

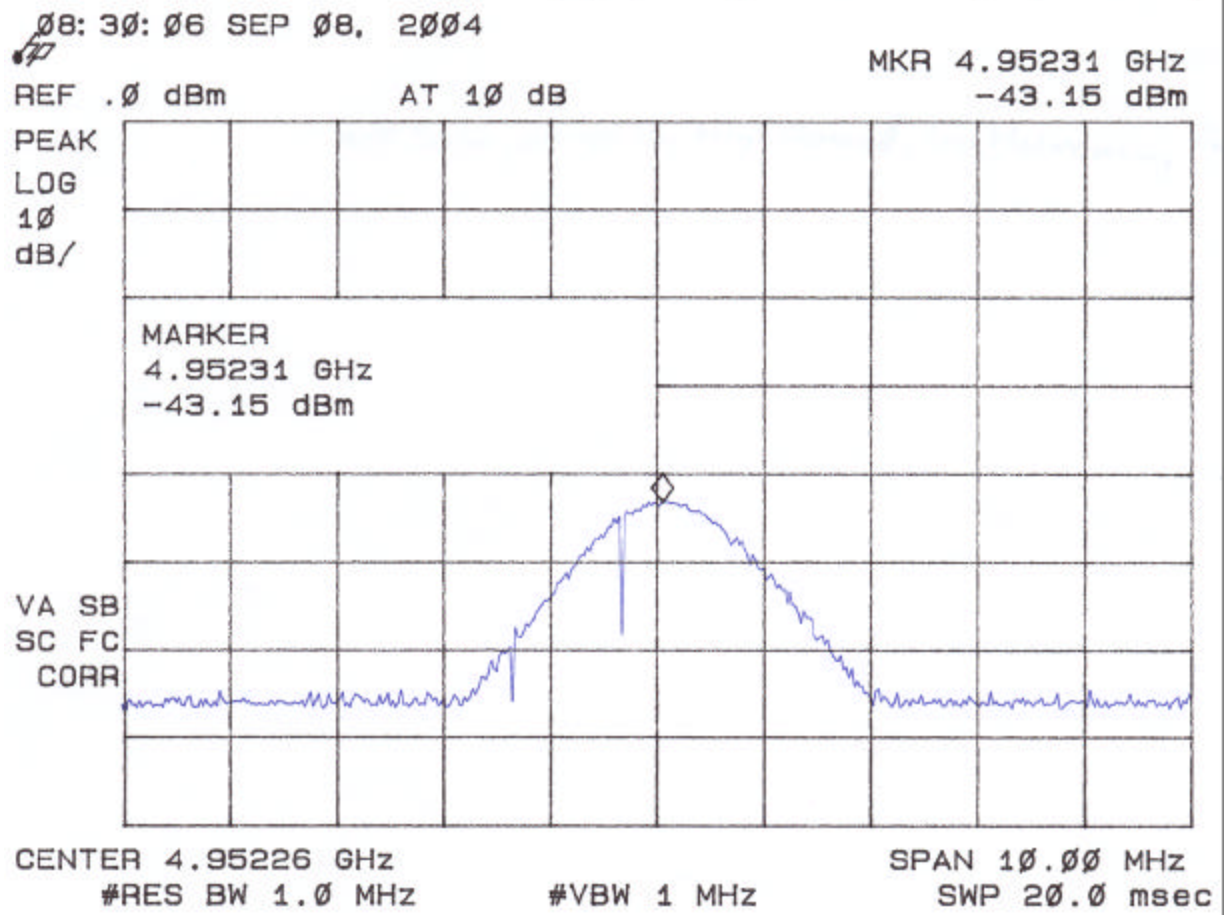
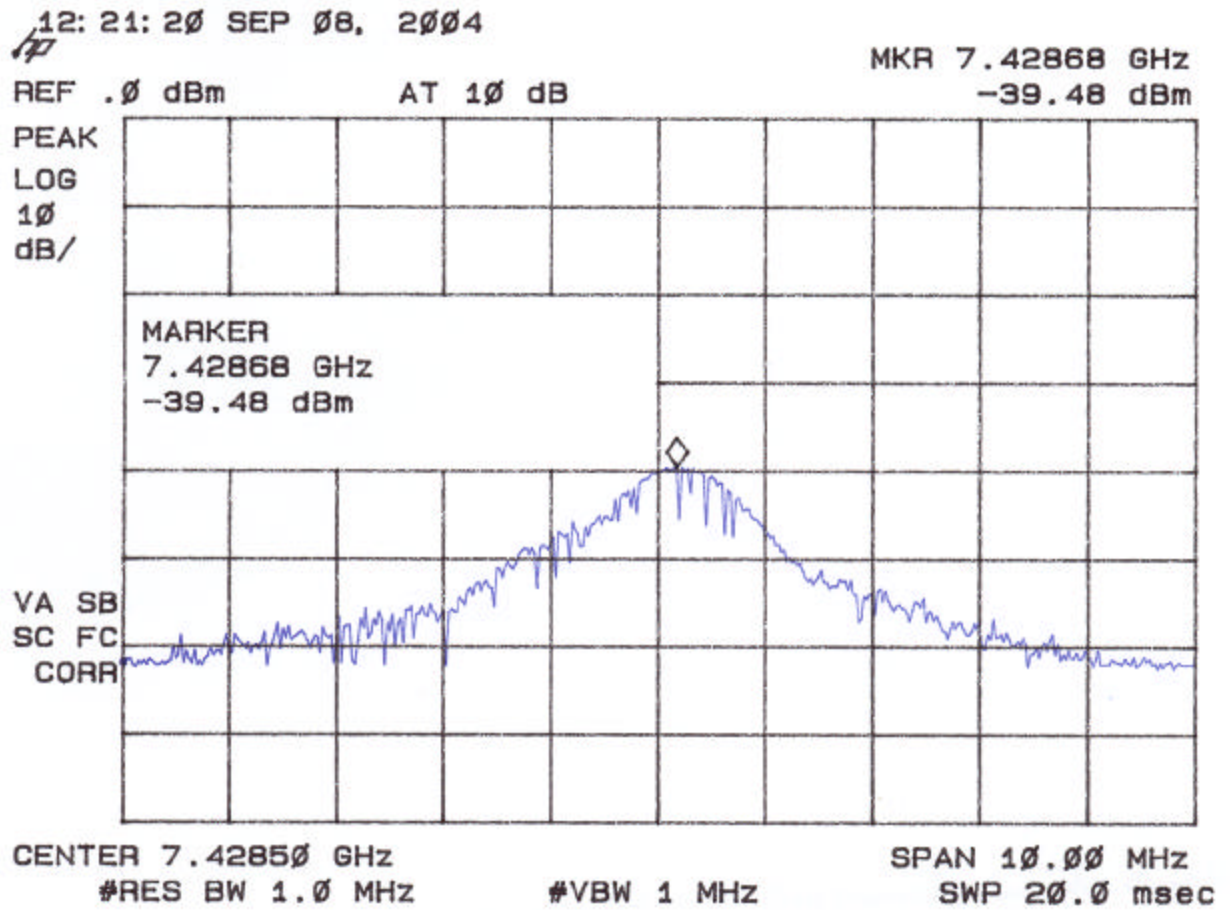


Figure 5h-2
Peak Radiated Spurious Emission 15.247(c) High Channel- Parabolic Dish
3rd Harmonic



**Table 4i. PEAK RADIATED SPURIOUS EMISSIONS Low Channel
OMNI Antenna**

Freq. (MHz)	Test Data (dBm) @ 3m	AF + CA - AMP (dB)	Results (uV/m) 3m	FCC Limits (uV/m)	MARGIN BELOW FCC Limits (dB)
2400.9	-13.77	31.9	1804963.1	-	-
4802.15	-51.57	5.8	1153.4	5000.0	12.7
7203.23	-46.03* **	9.8	3471.9	180496.3	34.3

**Table 4j. PEAK RADIATED SPURIOUS EMISSIONS Low Mid Channel
OMNI Antenna**

Freq. (MHz)	Test Data (dBm) @ 3m	AF + CA - AMP (dB)	Results (uV/m) 3m	FCC Limits (uV/m)	MARGIN BELOW FCC Limits (dB)
4865.7	-54.76	6.0	819.2	5000.0	15.7
7299.05	-47.38* **	9.9	2985.3	5000.0	4.5

**Table 4k. PEAK RADIATED SPURIOUS EMISSIONS High Mid Channel
OMNI Antenna**

Freq. (MHz)	Test Data (dBm) @ 3m	AF + CA - AMP (dB)	Results (uV/m) 3m	FCC Limits (uV/m)	MARGIN BELOW FCC Limits (dB)
4930.01	-49.86*	6.2	1477.3	5000.0	10.6
7395.06	-45.30* **	9.9	3809.8	5000.0	2.4

**Table 4l. PEAK RADIATED SPURIOUS EMISSIONS High Channel
OMNI Antenna**

Freq. (MHz)	Test Data (dBm) @ 3m	AF + CA - AMP (dB)	Results (uV/m) 3m	FCC Limits (uV/m)	MARGIN BELOW FCC Limits (dB)
4952.33	-42.21*	6.3	3595.8	5000.0	2.9
7428.69	-43.09* **	9.9	4921.2	5000.0	0.14

* Data corrected by 1 dB for loss of high pass filter

** Data conversion from 1 meter to 3 meters = -9.54

SAMPLE CALCULATION:

RESULTS (uV/m @ 3m) = Antilog $((-51.57 + 5.8 + 107)/20)$ = 1153.4

CONVERSION FROM dBm TO dBuV = 107 dB

Tester

Signature:  Name: David Blethen

Figure 5i-1
Peak Radiated Spurious Emission 15.247(c) Low Channel – Omni Antenna
2nd Harmonic

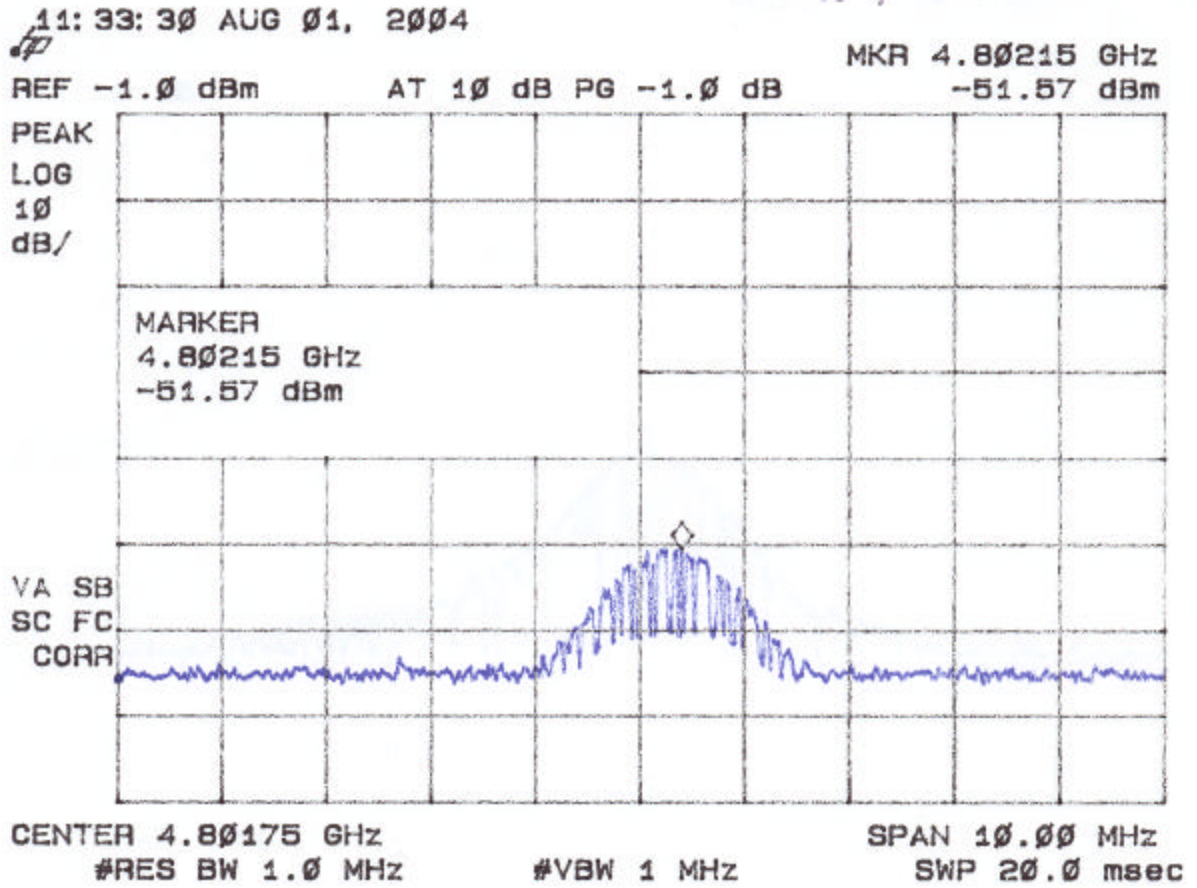


Figure 5i-2
Peak Radiated Spurious Emission 15.247(c) Low Channel – Omni Antenna
3rd Harmonic

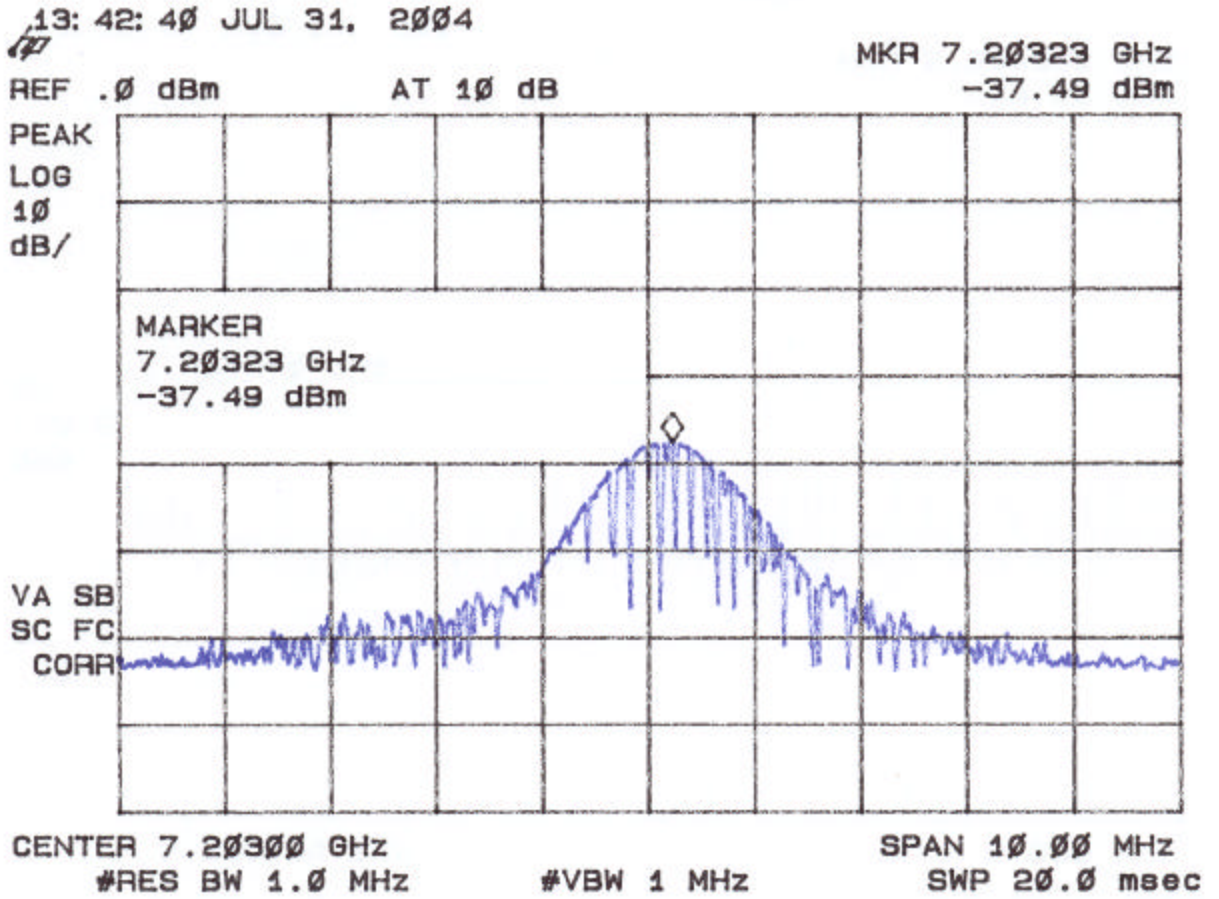


Figure 5j-1
Peak Radiated Spurious Emission 15.247(c) Low Mid Channel – Omni
Antenna
2nd Harmonic

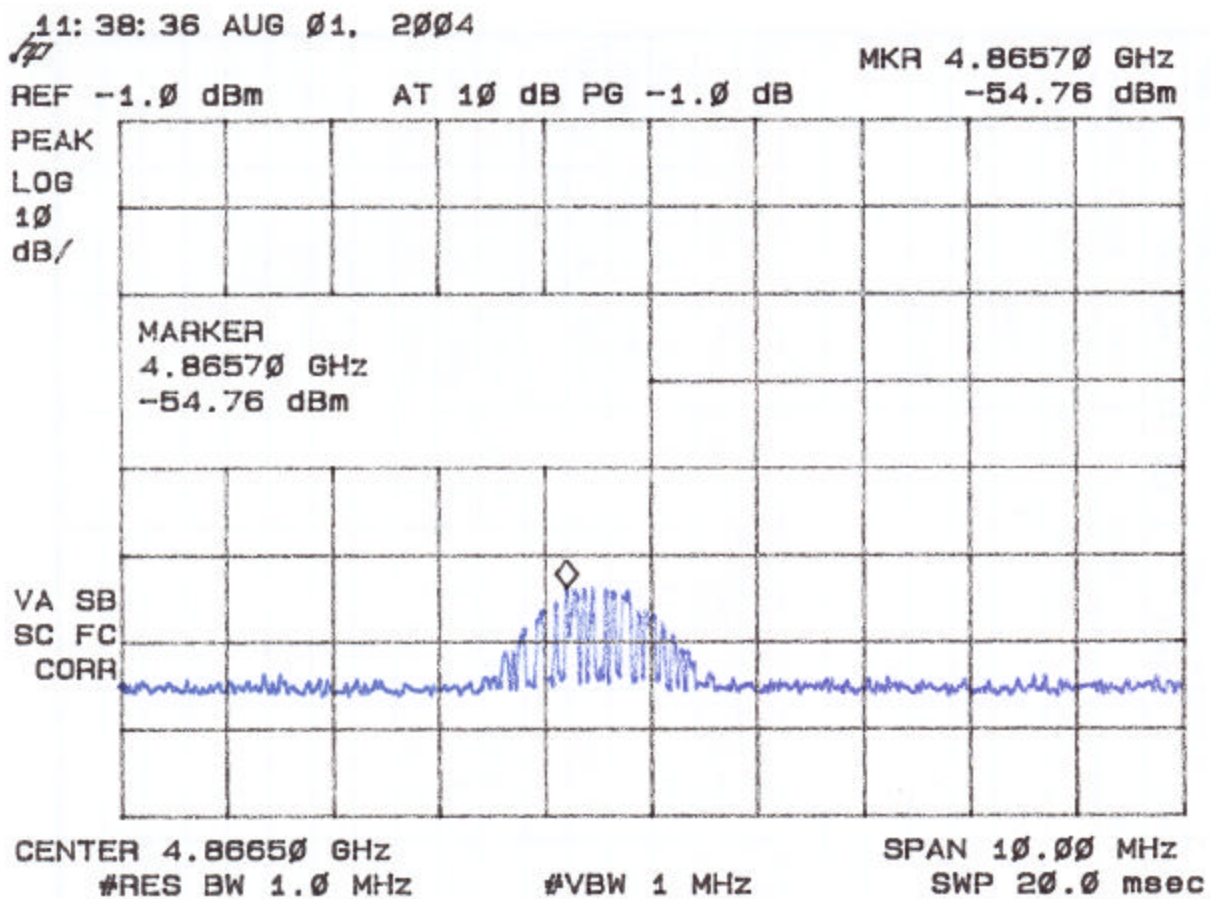


Figure 5j-2
Peak Radiated Spurious Emission 15.247(c) Low Mid Channel – Omni
Antenna
3rd Harmonic

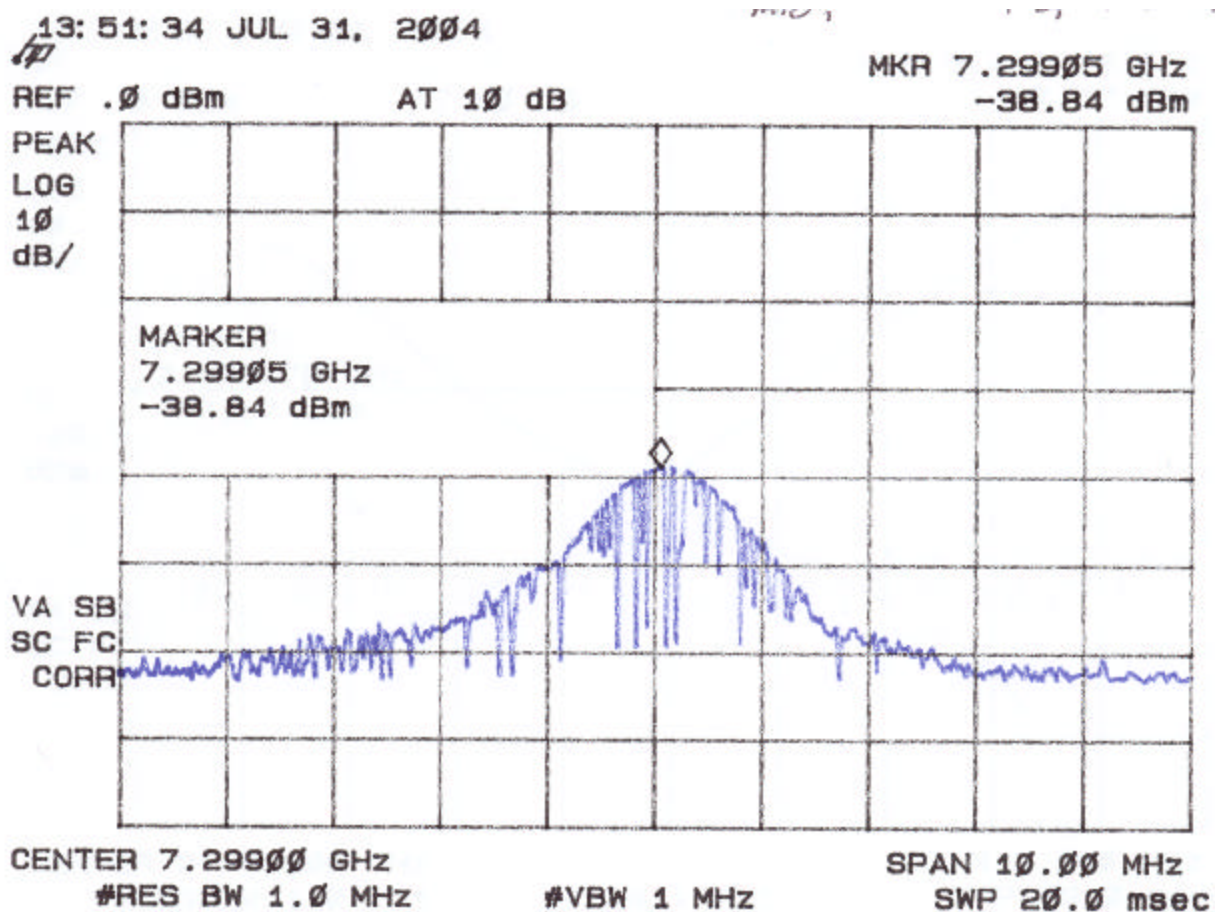


Figure 5k-1
Peak Radiated Spurious Emission 15.247(c) High Mid Channel – Omni
Antenna
2nd Harmonic

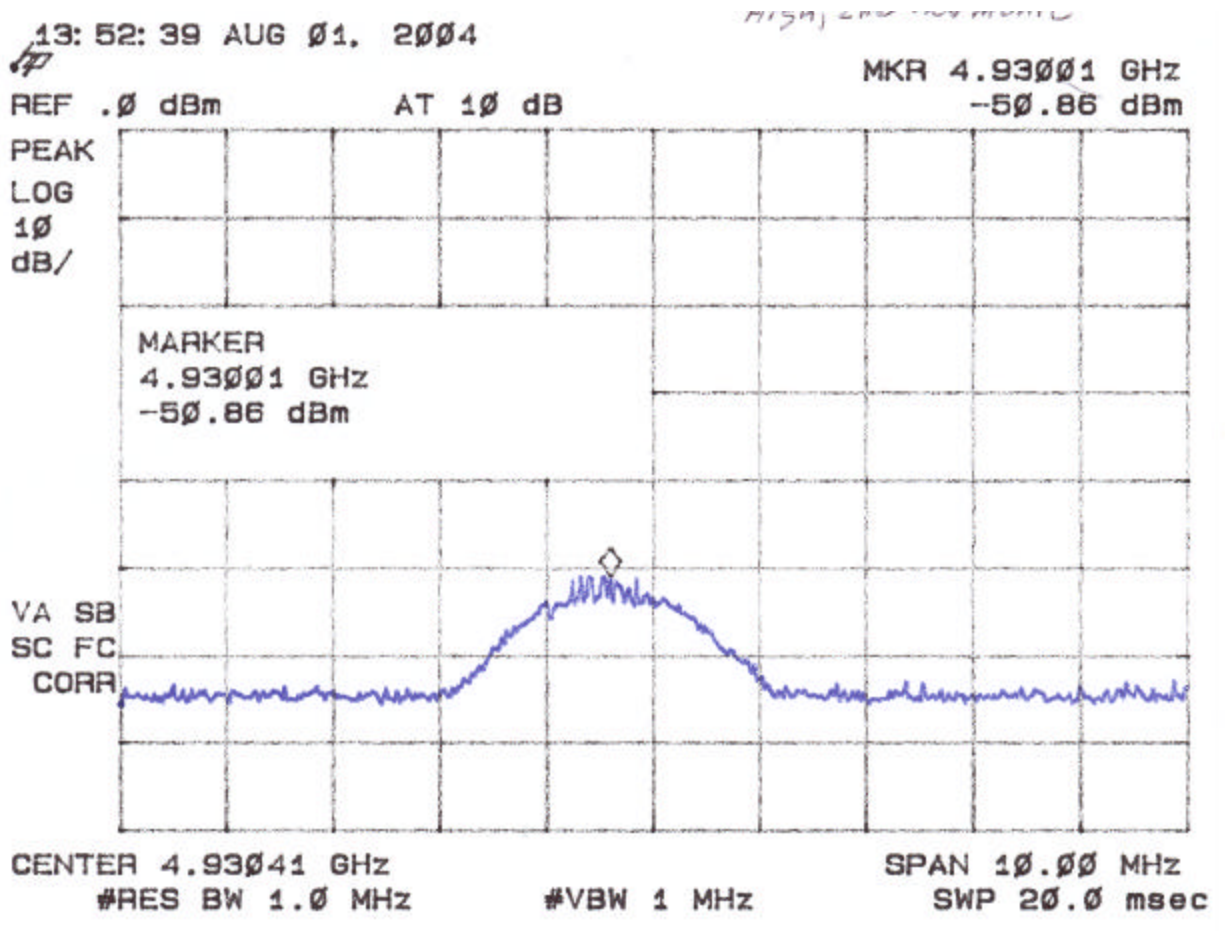


Figure 5k-2
Peak Radiated Spurious Emission 15.247(c) High Mid Channel – Omni
Antenna
3rd Harmonic

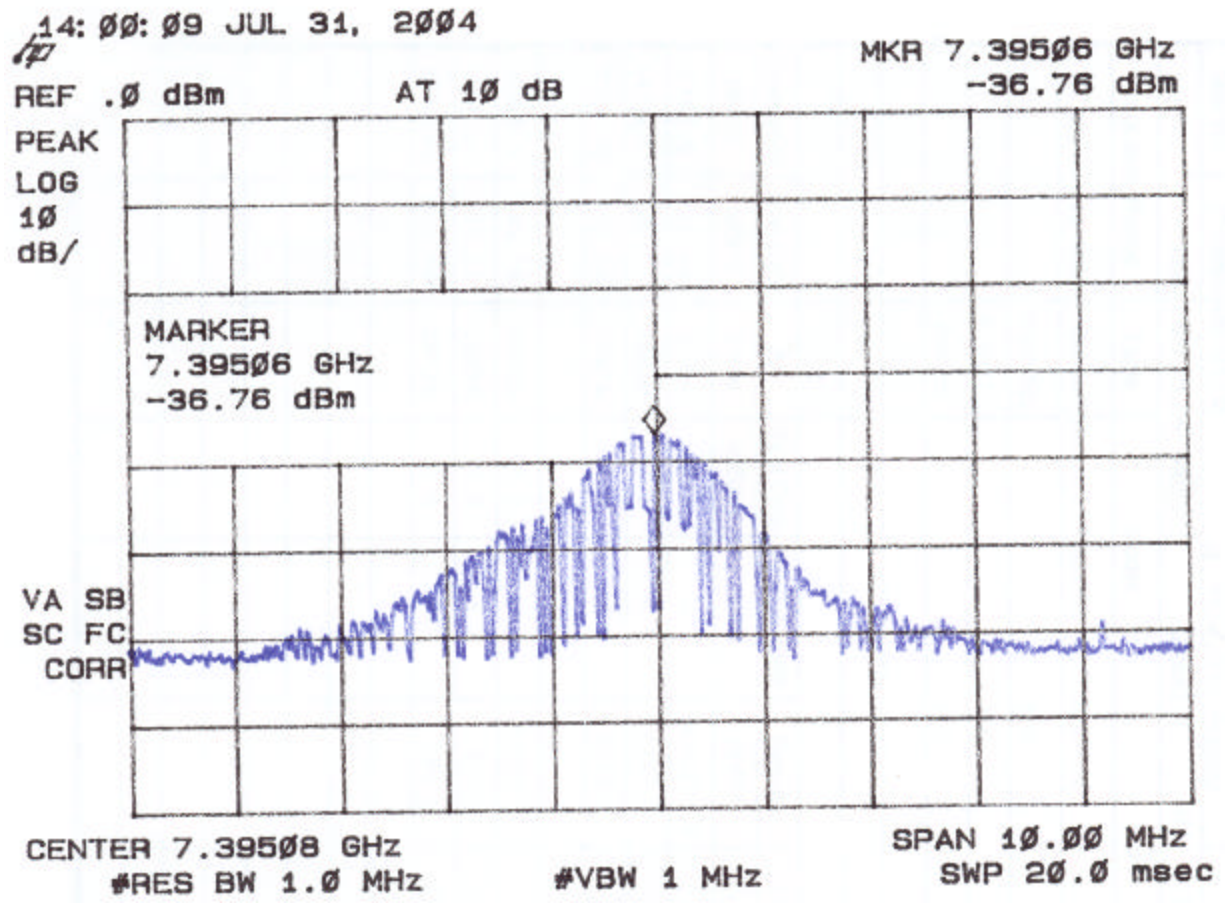


Figure 51-1
Peak Radiated Spurious Emission 15.247(c) High Channel – Omni Antenna
2nd Harmonic

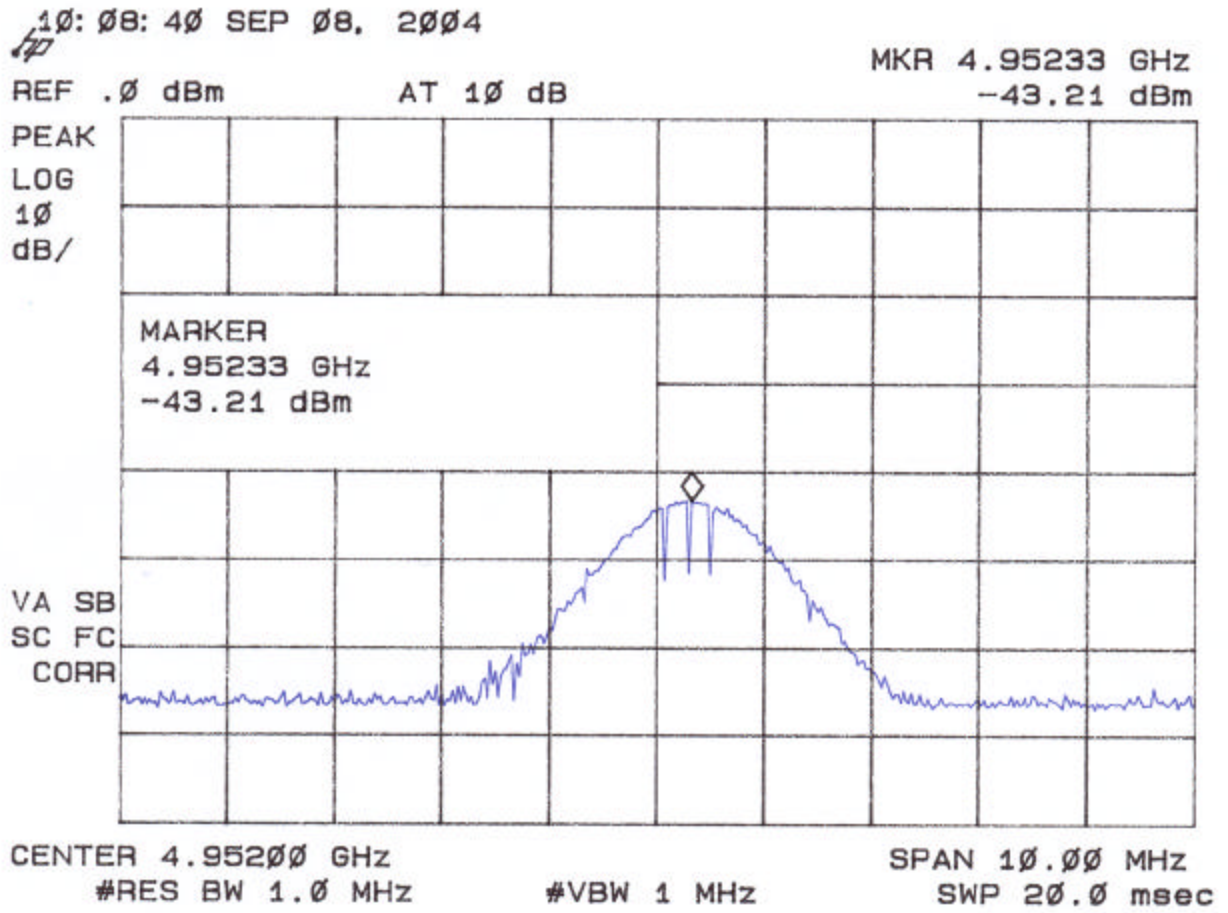
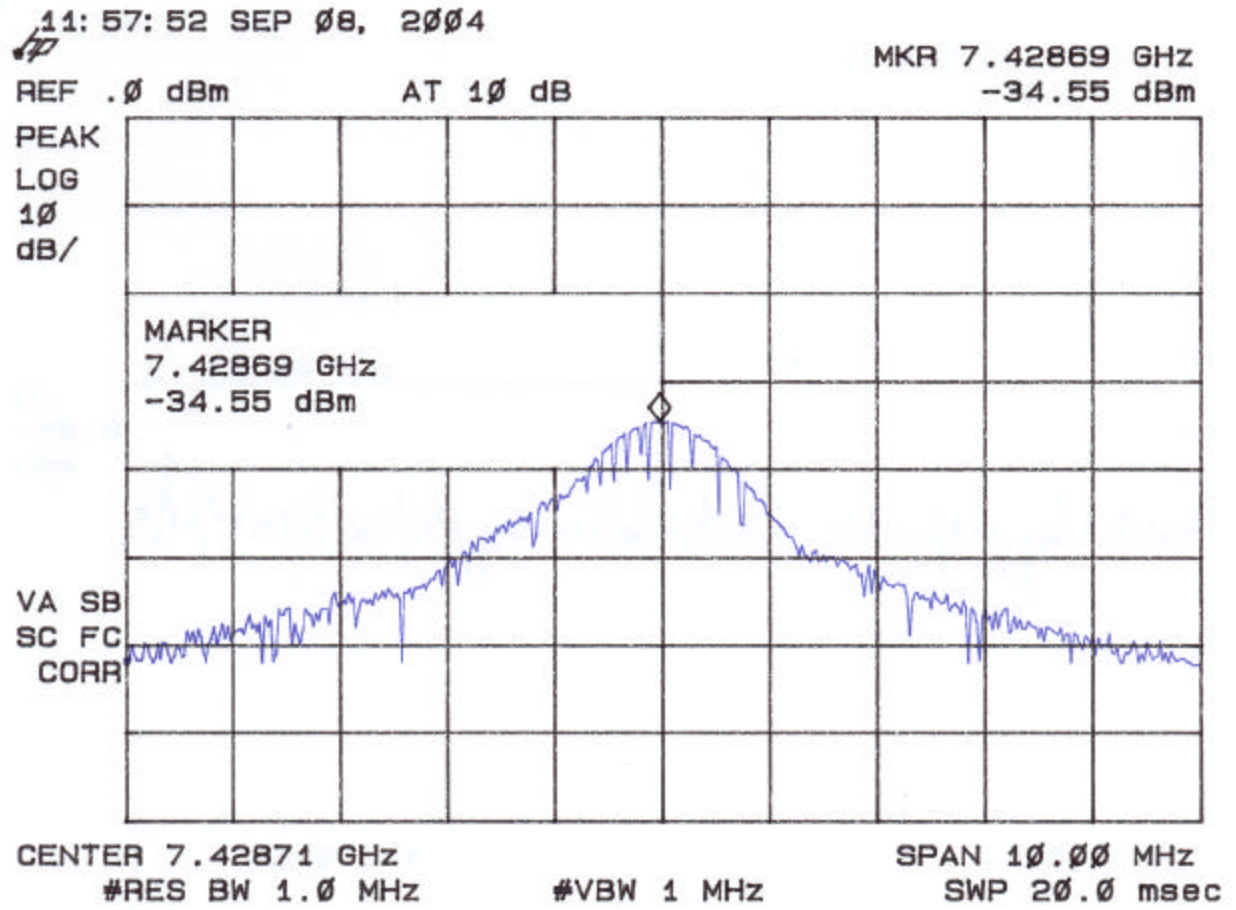


Figure 51-2
Peak Radiated Spurious Emission 15.247(c) High Channel – Omni Antenna
3rd Harmonic



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

Freq. (MHz)	Test Data (dBm) @ 3m	AF + CA - AMP (dB)	Results (uV/m) 3m	FCC Limits (uV/m)	MARGIN BELOW FCC Limits (dB)
2401.0	-14.19	31.9	1719786.2	-	-
4801.88	-50.68	5.8	1277.7	5000.0	11.9
7203.25	-45.43* **	9.8	3720.2	171978.6	33.3

**Table 4n. PEAK RADIATED SPURIOUS EMISSIONS Low Mid Channel
Yagi Antenna**

Freq. (MHz)	Test Data (dBm) @ 3m	AF + CA - AMP (dB)	Results (uV/m) 3m	FCC Limits (uV/m)	MARGIN BELOW FCC Limits (dB)
4865.93	-48.53	6.0	1678.6	5000.0	9.5
7299.16	-49.25* **	9.9	2407.0	5000.0	6.3

**Table 4o. PEAK RADIATED SPURIOUS EMISSIONS High Mid Channel
Yagi Antenna**

Freq. (MHz)	Test Data (dBm) @ 3m	AF + CA - AMP (dB)	Results (uV/m) 3m	FCC Limits (uV/m)	MARGIN BELOW FCC Limits (dB)
4930.18	-58.56	4.5	442.6	5000.0	21.1
7394.98	-47.45* **	9.9	2974.4	5000.0	4.5

**Table 4p. PEAK RADIATED SPURIOUS EMISSIONS High Channel
Yagi Antenna**

Freq. (MHz)	Test Data (dBm) @ 3m	AF + CA - AMP (dB)	Results (uV/m) 3m	FCC Limits (uV/m)	MARGIN BELOW FCC Limits (dB)
4952.41	-43.62*	6.3	3057.1	5000.0	4.3
7428.73	-43.90* **	9.9	4483.1	5000.0	0.95

* Data corrected by 1 dB for loss of high pass filter

** Data conversion from 1 meter to 3 meters = -9.54

SAMPLE CALCULATION:

RESULTS (uV/m @ 3m) = Antilog $((-50.68 + 5.8 + 107)/20)$ = 1277.7

CONVERSION FROM dBm TO dBuV = 107 dB

Tester

Signature:  Name: David Blethen

Figure 5m-1
Peak Radiated Spurious Emission 15.247(c) Low Channel – Yagi Antenna
2nd Harmonic

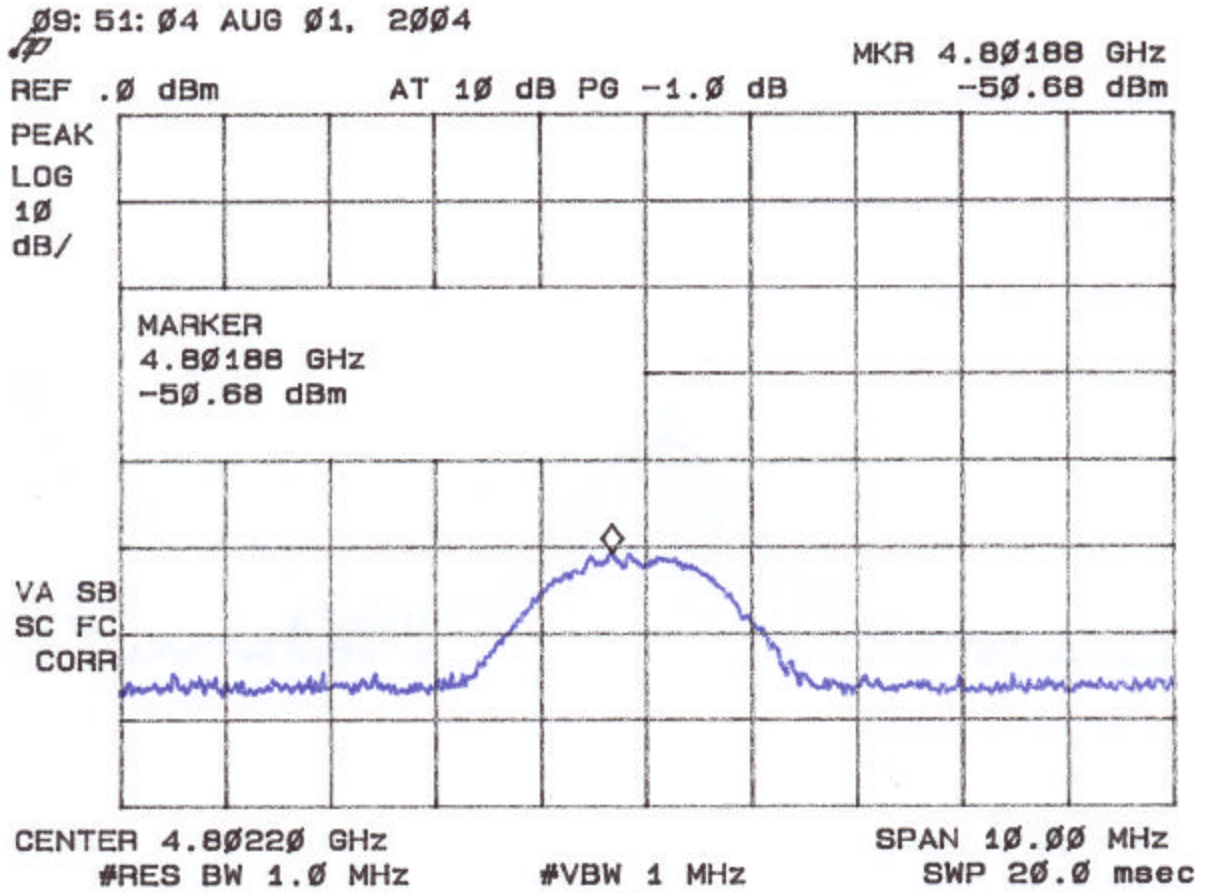


Figure 5m-2
Peak Radiated Spurious Emission 15.247(c) Low Channel – Yagi Antenna
3rd Harmonic

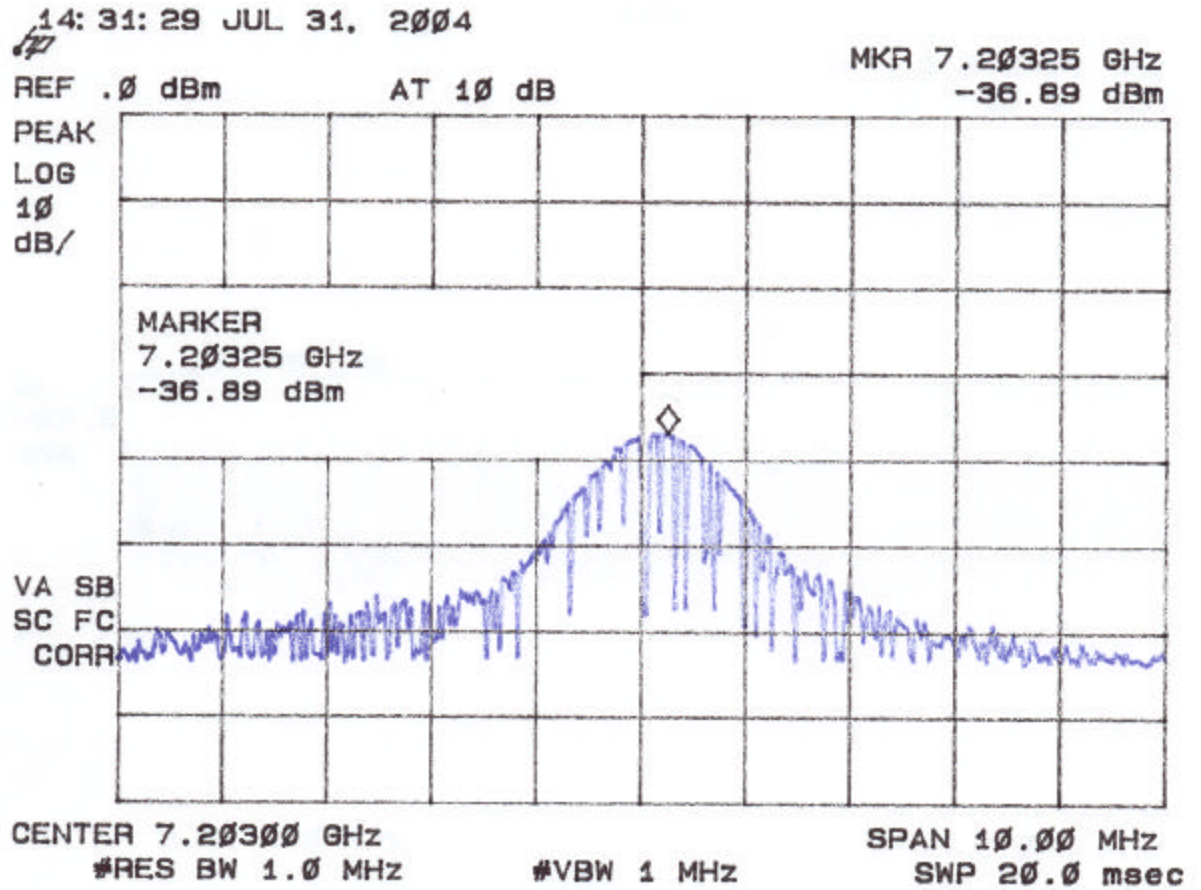


Figure 5n-1
Peak Radiated Spurious Emission 15.247(c) Low Mid Channel – Yagi
Antenna
2nd Harmonic

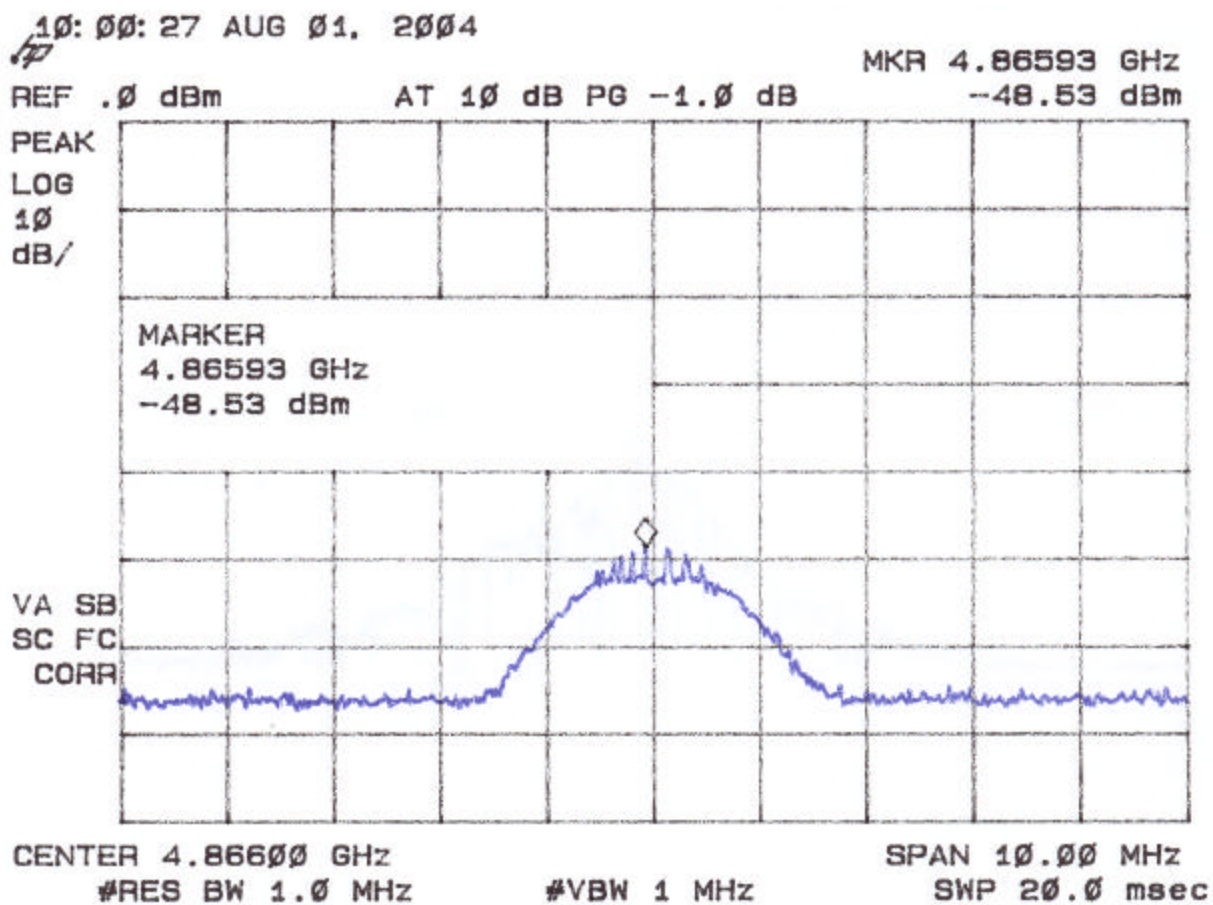


Figure 5n-2
Peak Radiated Spurious Emission 15.247(c) Low Mid Channel – Yagi
Antenna
3rd Harmonic

