2.8 Peak Radiated Spurious Emission in the Frequency Range 30 -25000 MHz (FCC Section 15.247(c))

The EUT was placed into a continuous transmit mode of operation. A preliminary scan was performed on the EUT to determine frequencies that were caused by the transmitter portion of the product. Significant emissions that fell within restricted bands were then measured on an OAT's site. Radiated measurements below 1 GHz were tested with a RBW = 120 kHz. Radiated measurements above 1 GHz were measured using a RBW = VBW = 1 MHz. The results of peak radiated spurious emissions falling within restricted bands are given in Table 4a –4c and Figure 5a – Figure 5c.

Table 4a. PEAK RADIATED SPURIOUS EMISSIONS (Low)

Radiated Emissions									
Test By:	**Test:**	FCC Part 15 Low Channel			**Client:**	Cirronet			
	Project:	06-0159	**Class:**	**B**	**Model:**	EM2420HP			
Frequency Range		**Table**	**Model**		**S/N**		**Valid**	**Calibrated:**	
		2HN3mH	Model : SAS-571		S/N 605		Yes	01 APR 05 (2 Year)	
Frequency	**Test Data**	**AF**	**Test Data**	**AF+CA-AMP**	**Results**	**Limits**	**Distance /**	**Margin**	**PK = n**
(MHz)	**(dBm)**	**Table**	**(dBuV)**	**(dB)**	**(uV/m)**	**(uV/m)**	**Polarity**	**(dB)**	**/ QP**
2405.28	-33.2	2HN3mH	73.8	31.6	186912.5		3m./HORZ		**PK**
4810.64	-48.0	2HN3mH	59.0	5.5	1673.0	5000.0	3m./HORZ	**9.5**	**PK**
7215.94	-48.0	2HN3mH	59.0	10.7	3063.3	18691.3	3m./HORZ	**15.7**	**PK**
9622.2	-49.5	2HN3mH	57.5	13.3	3477.0	18691.3	3m./HORZ	**14.6**	**PK**
12025.85	-63.8	2HN3mH	43.2	19.0	1284.0	5000.0	3m./HORZ	**11.8**	**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 ((-48.0 + 5.5 + 107)/20) = 1673.0
CONVERSION FROM dBm TO dBuV = 107 dB

Tester Signature:  **Name: Austin Thompson**

Figure 4a - 1
Peak Radiated Spurious Emission 15.247(c) Fundamental Low

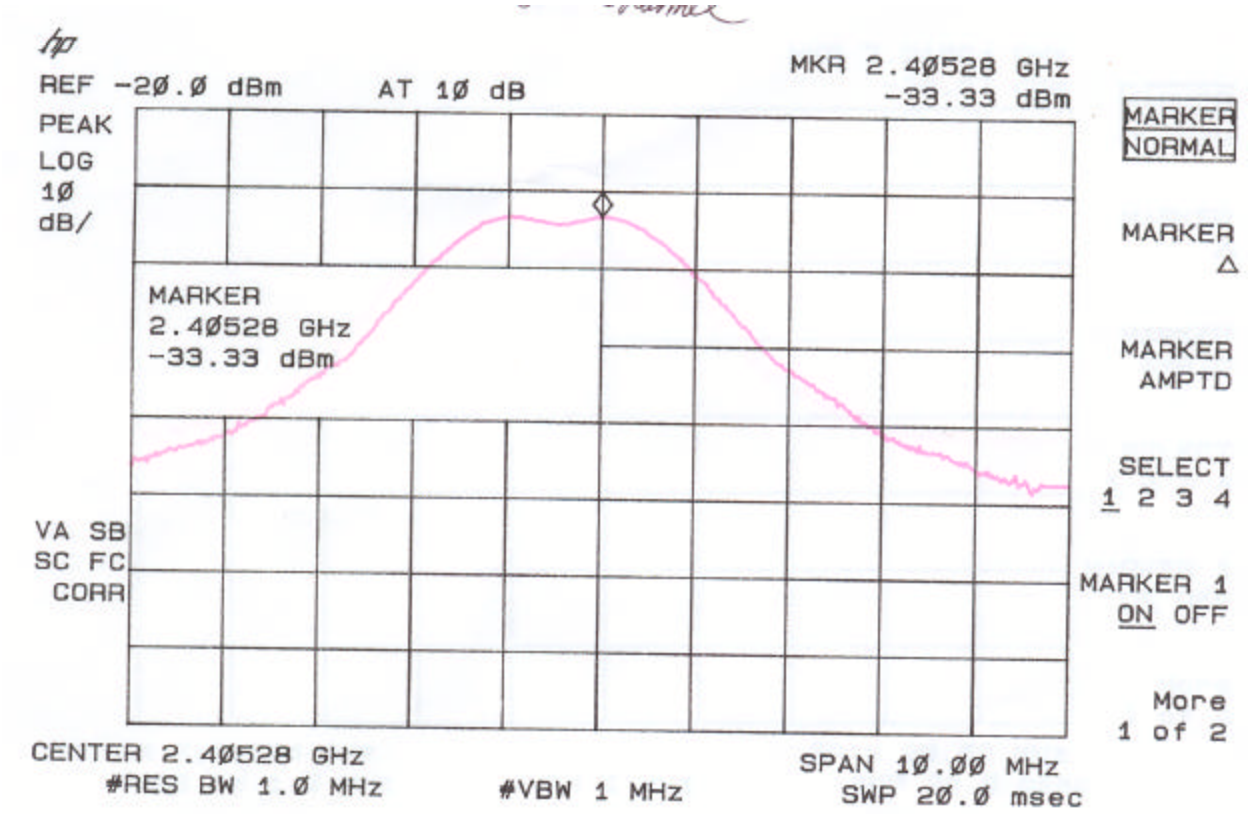

Figure 4a - 2
Peak Radiated Spurious Emission 15.247(c) Low

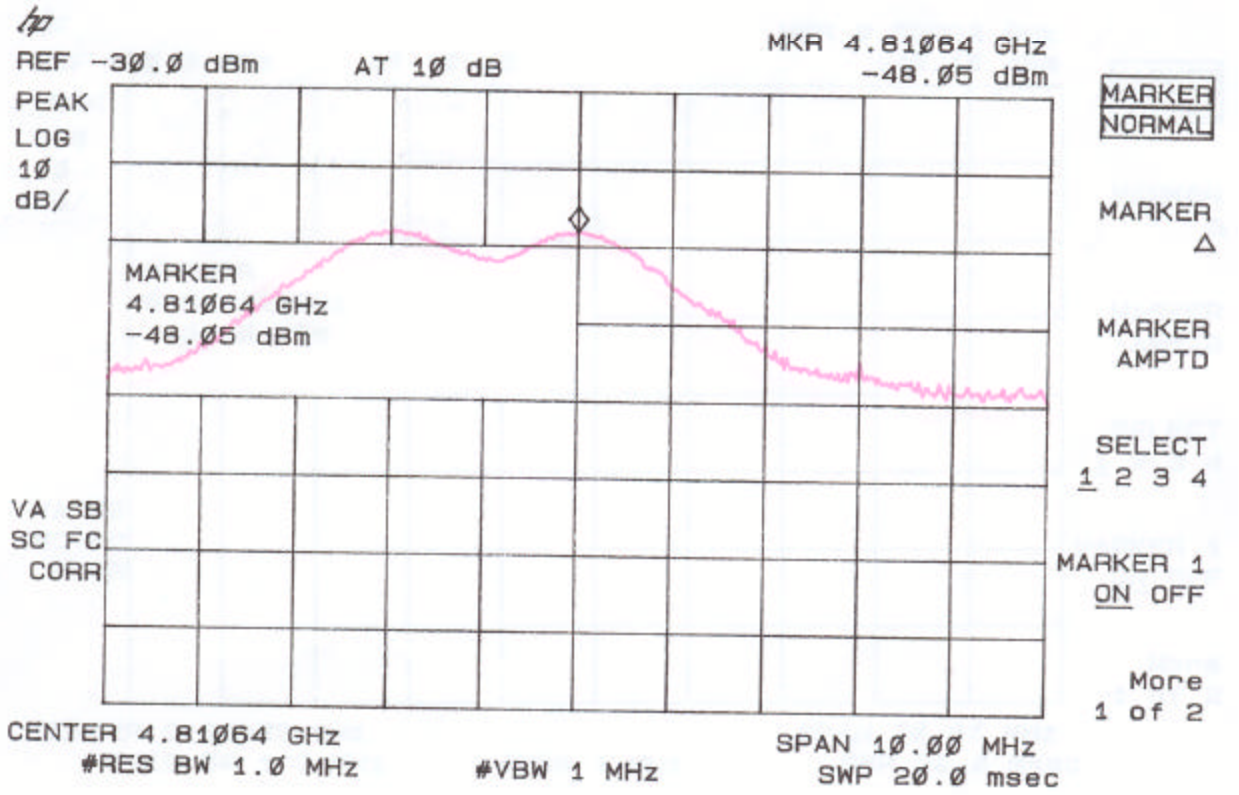

Figure 4a - 3
Peak Radiated Spurious Emission 15.247(c) Low

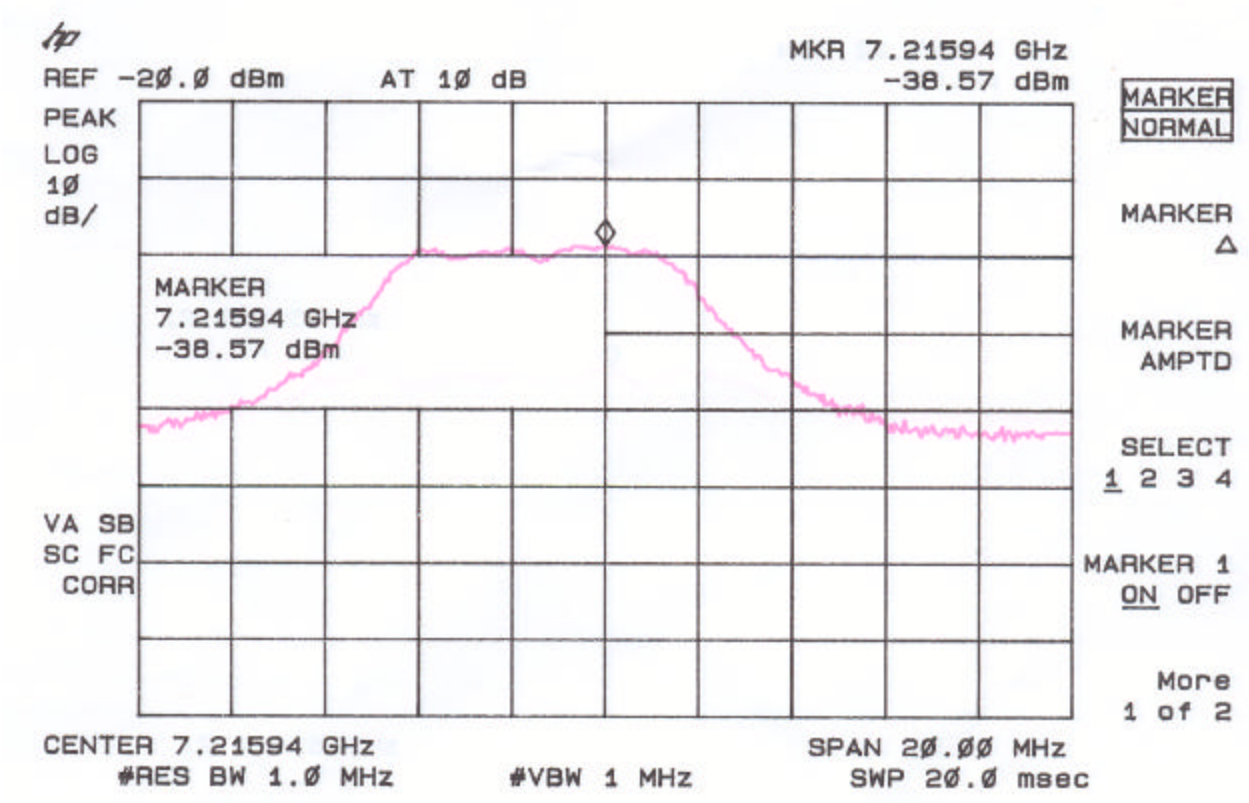

Figure 4a - 4
Peak Radiated Spurious Emission 15.247(c) Low

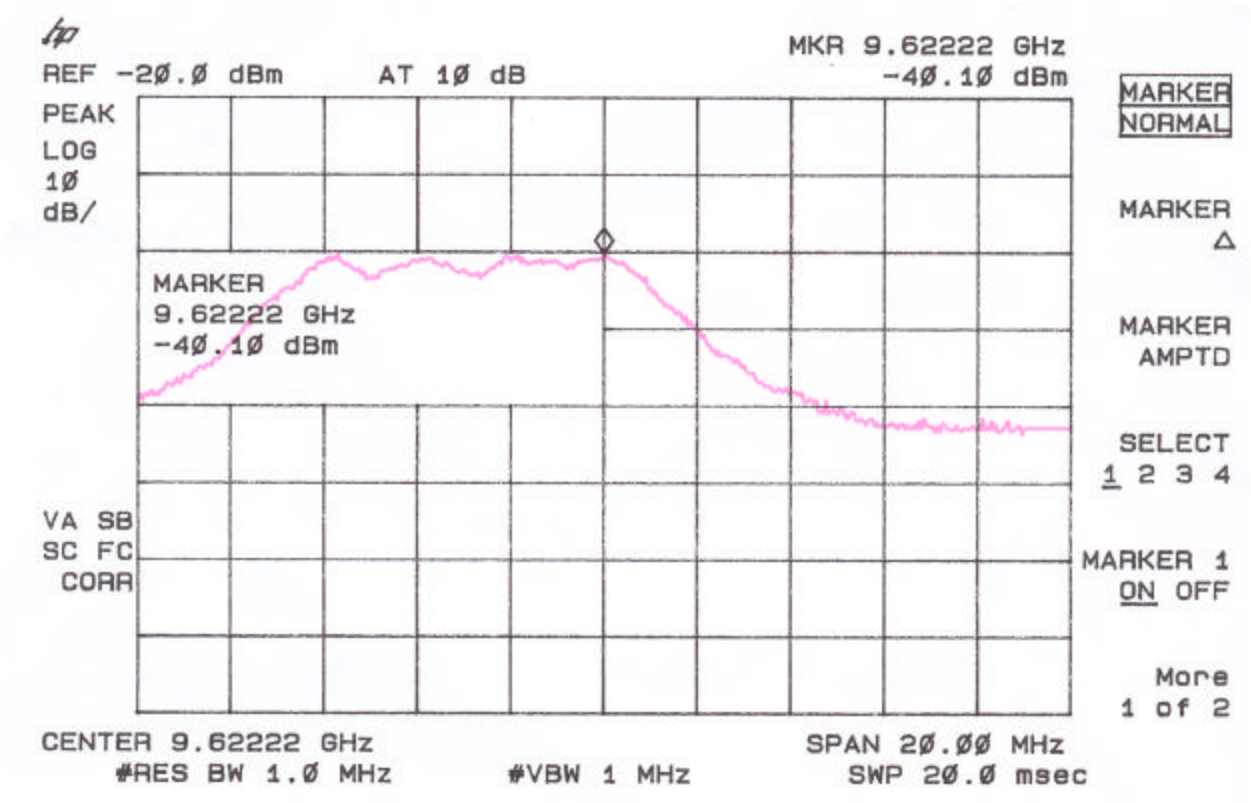

Figure 4a - 5
Peak Radiated Spurious Emission 15.247(c) Low