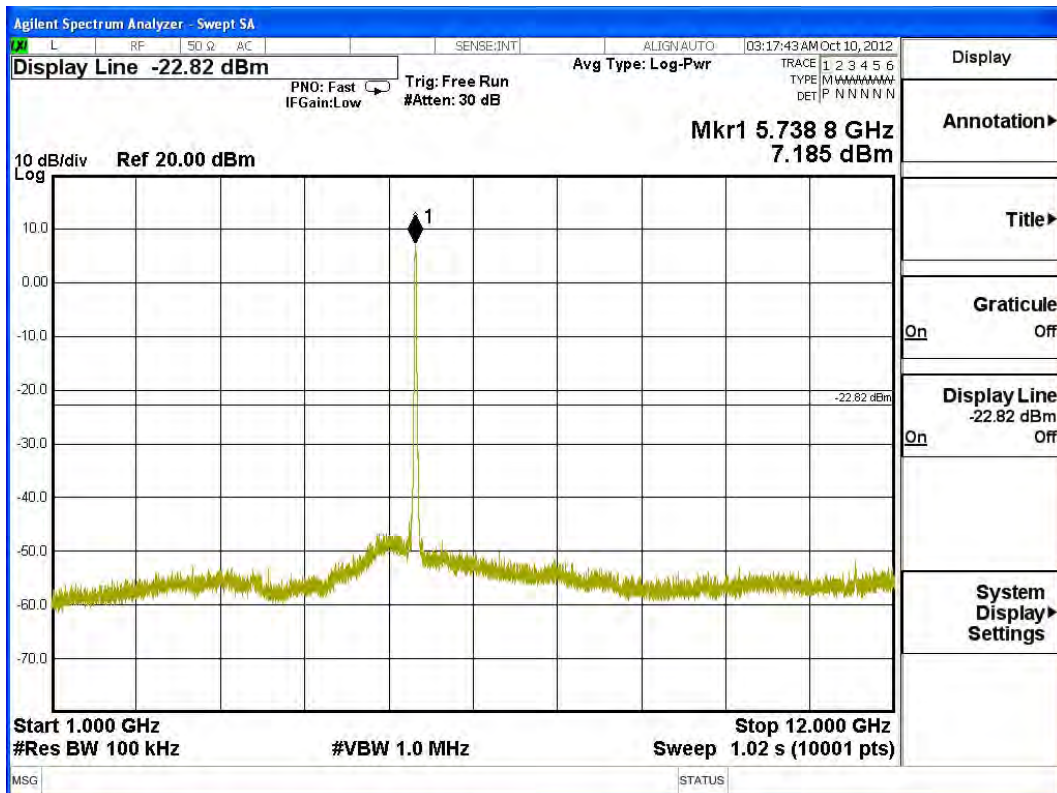
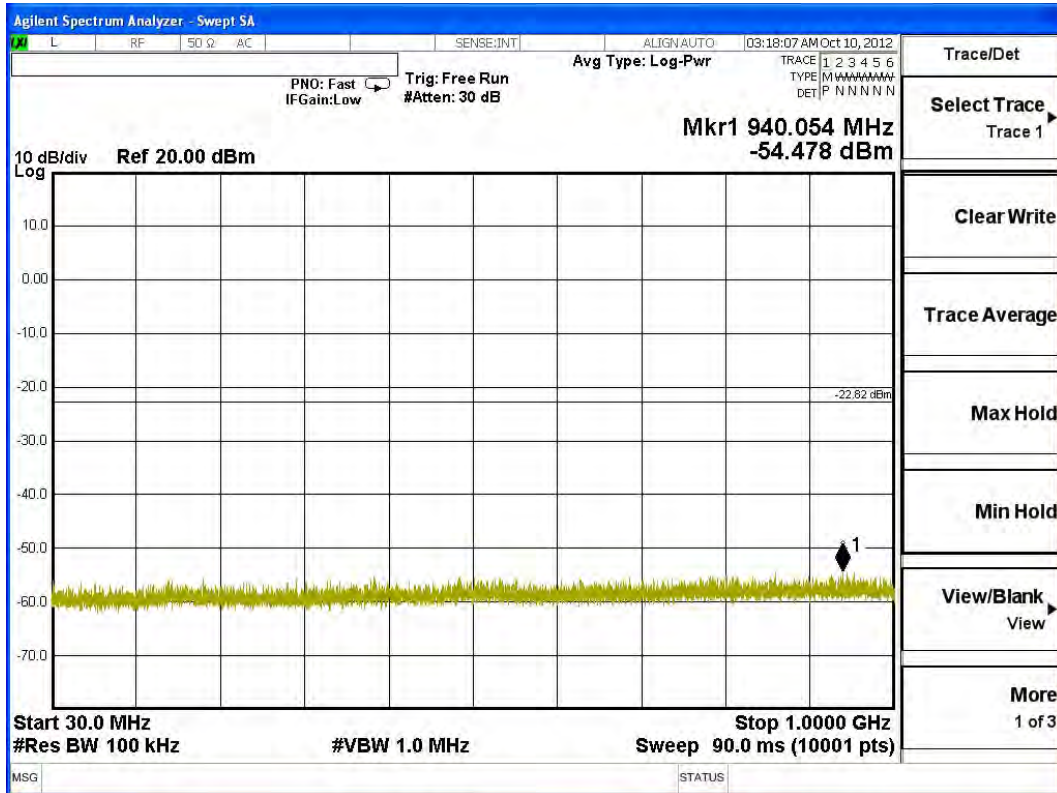
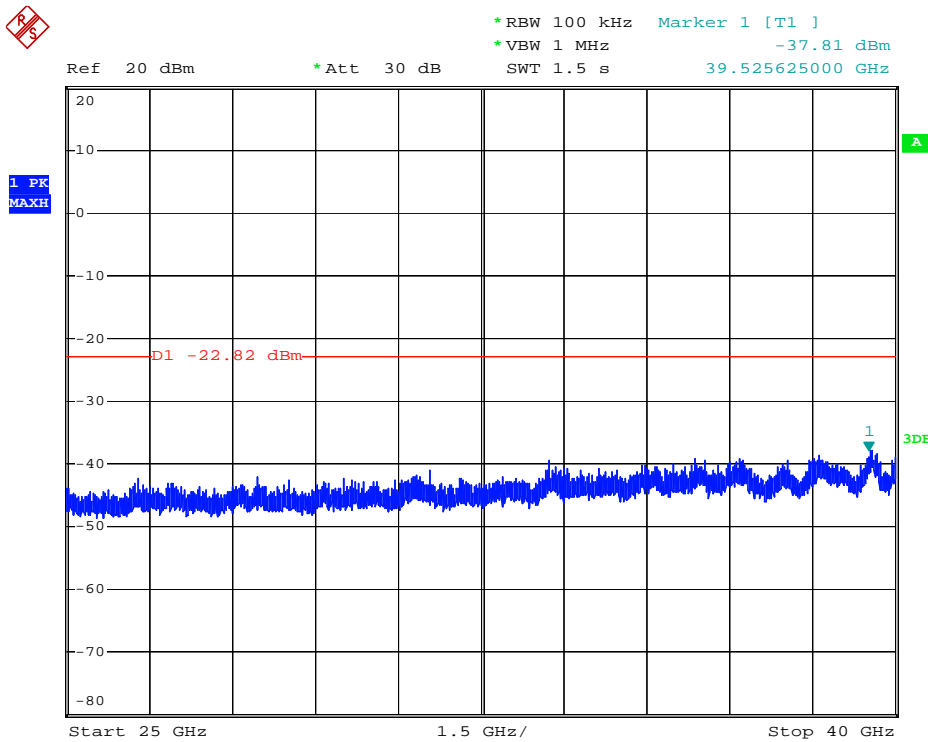
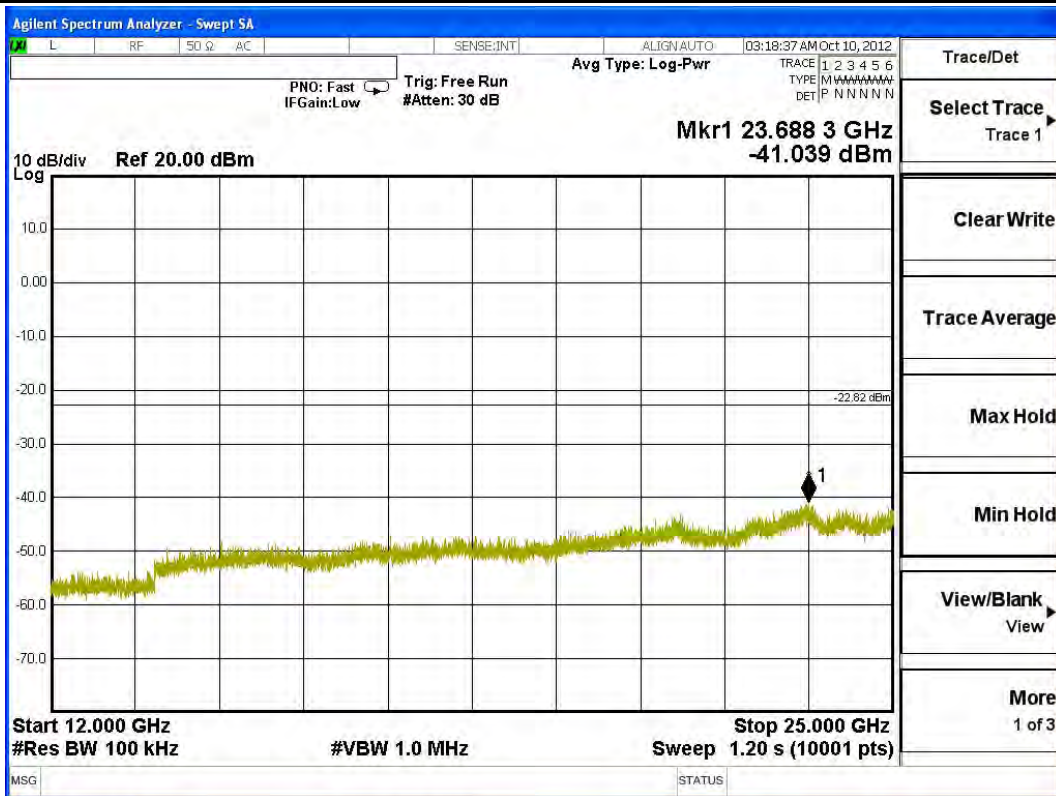


Product : SpectraGuardR Access Point / Sensor  
 Test Item : RF Antenna Conducted Spurious  
 Test Site : No.3 OATS  
 Test Mode : Mode 13: Transmit - 802.11n-20BW\_14.4Mbps(5G Band)(PIFA Antenna)

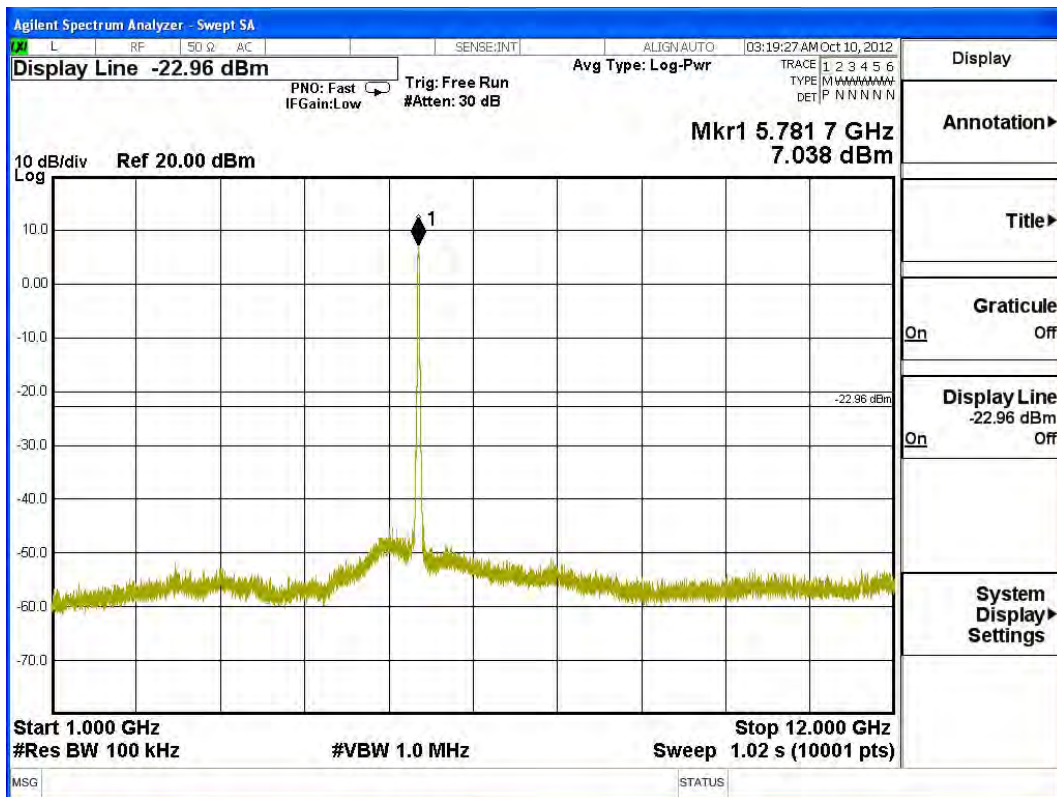
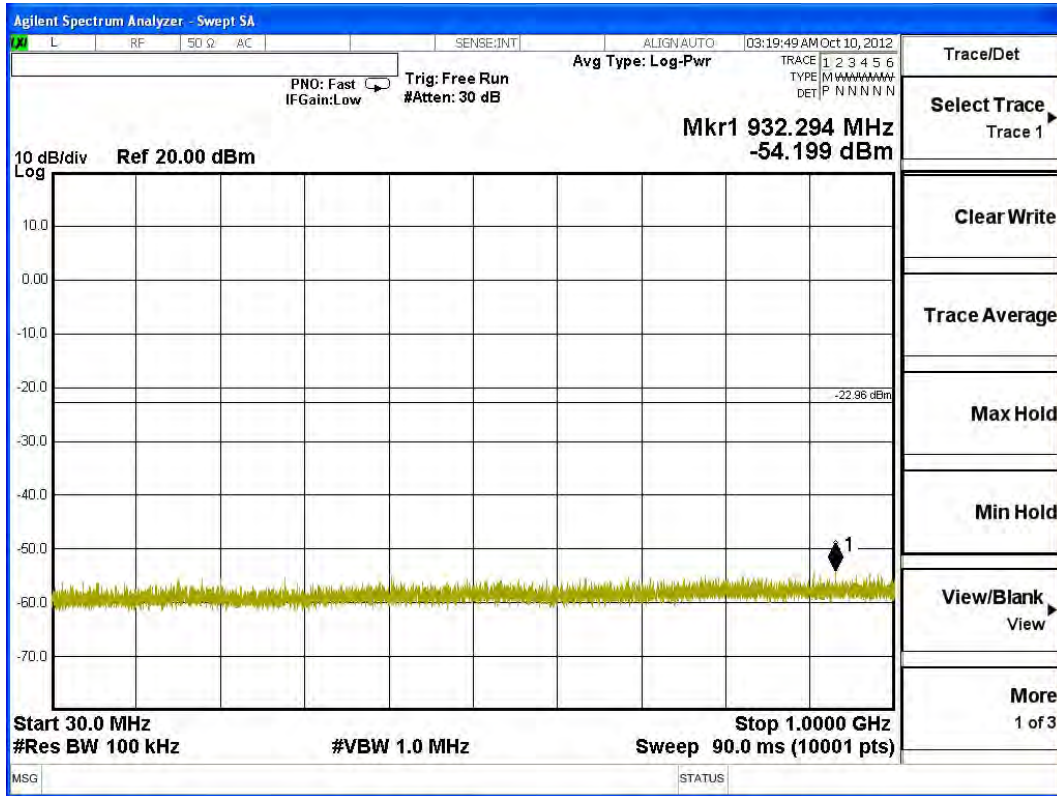
**Channel 49 (5745MHz) 30MHz -40GHz-Chain A**

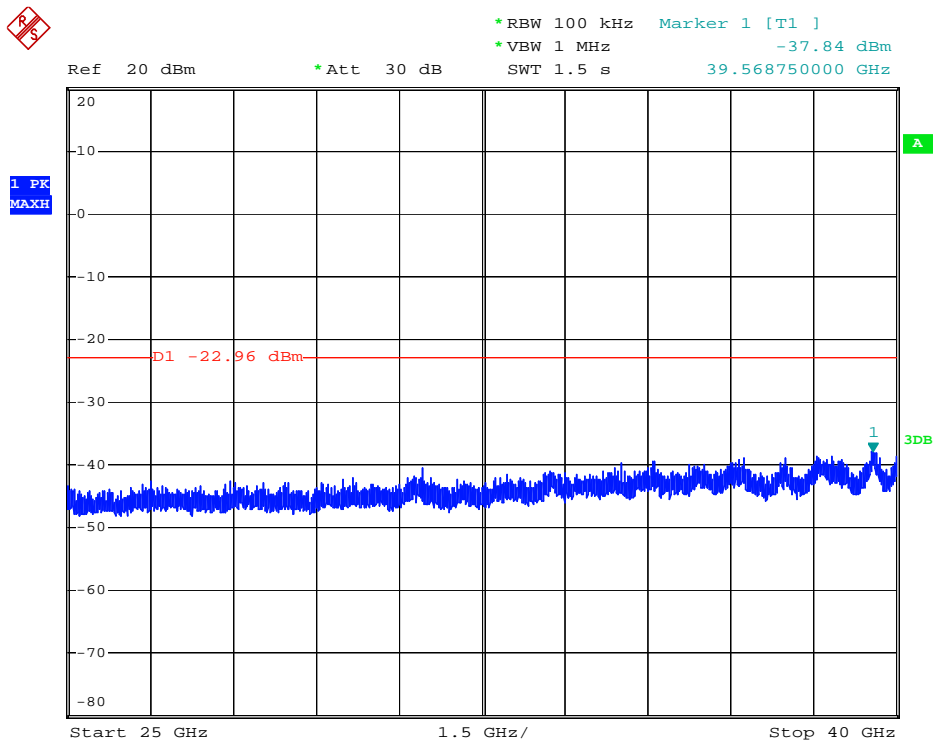
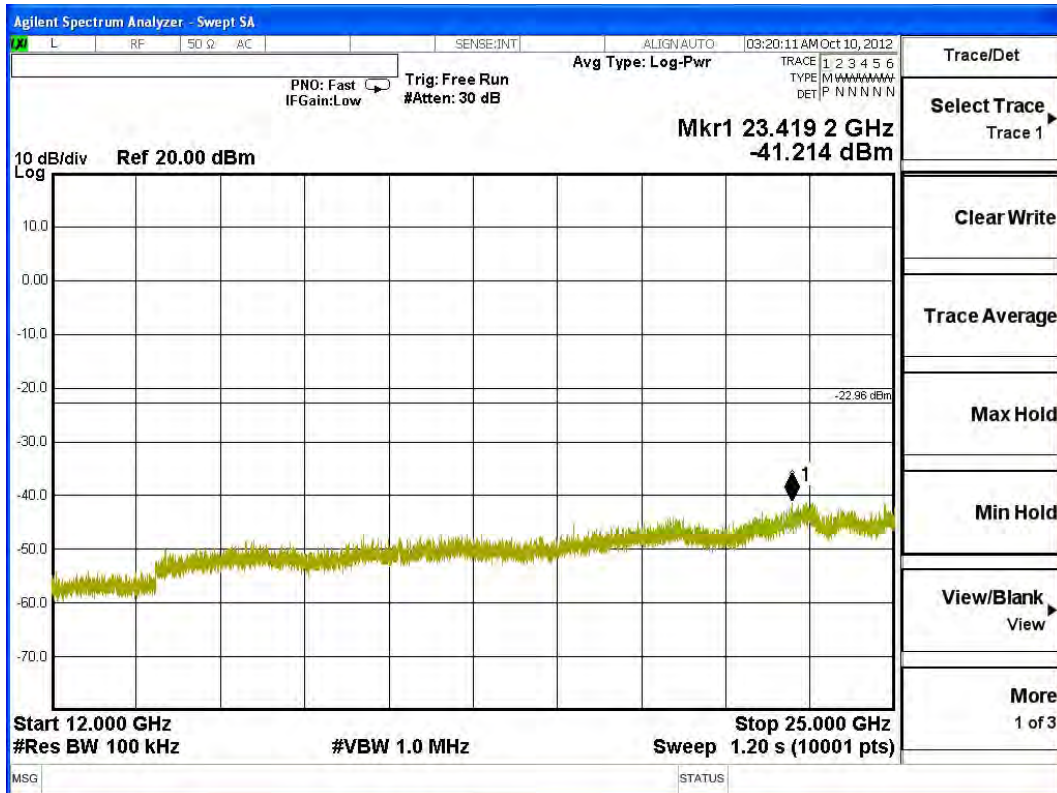




Date: 29.APR.2003 19:11:13

**Channel 157 (5785MHz) 30MHz -40GHz-Chain A**

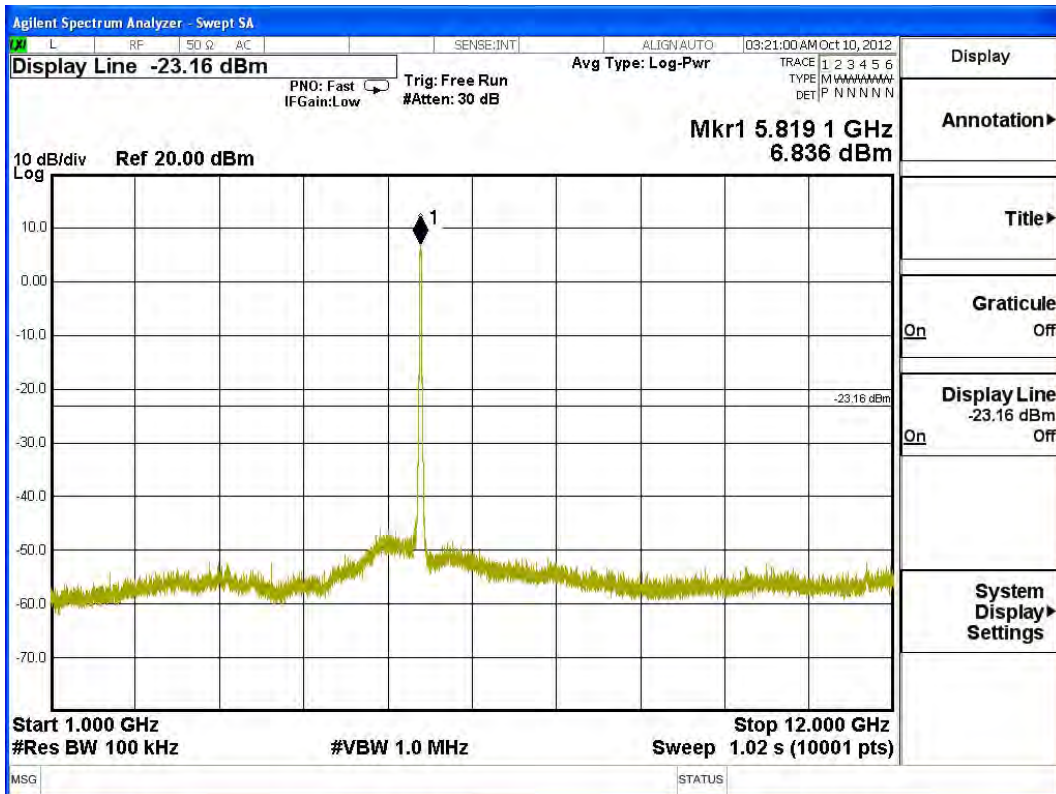
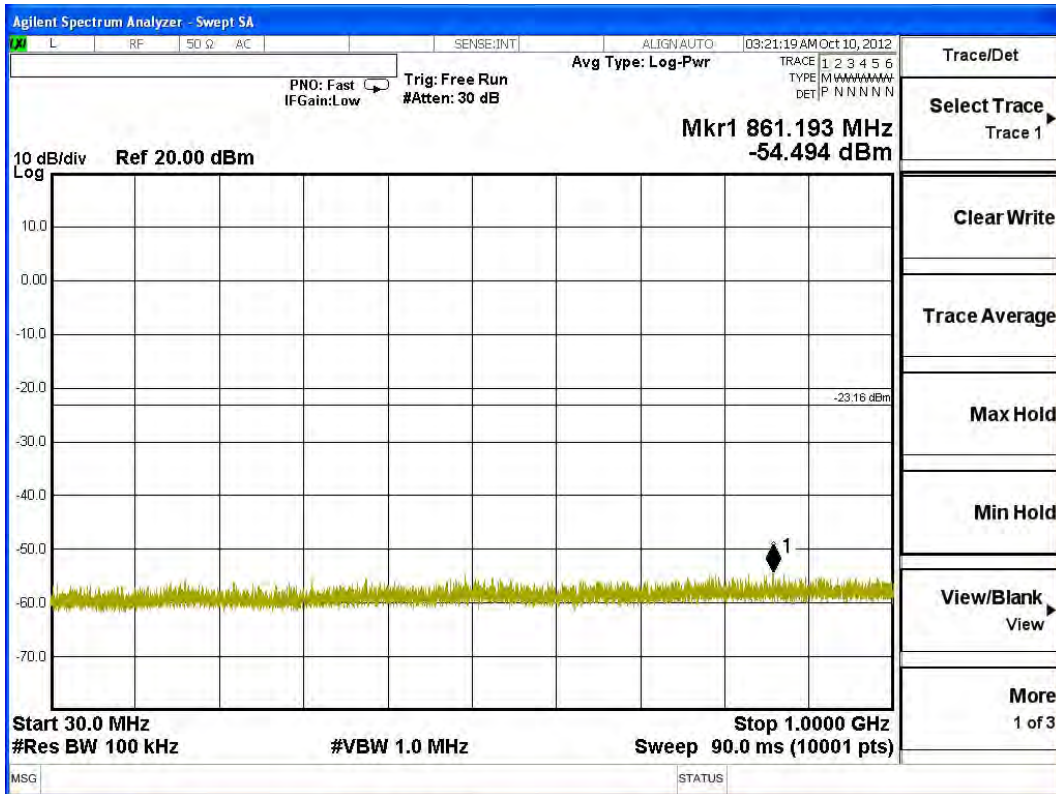


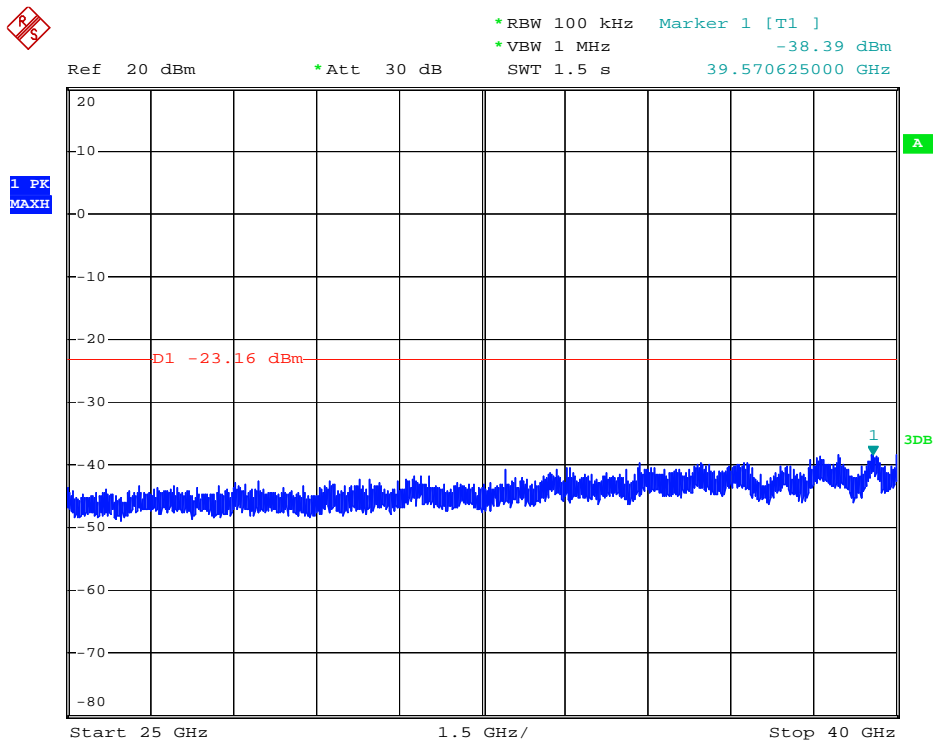
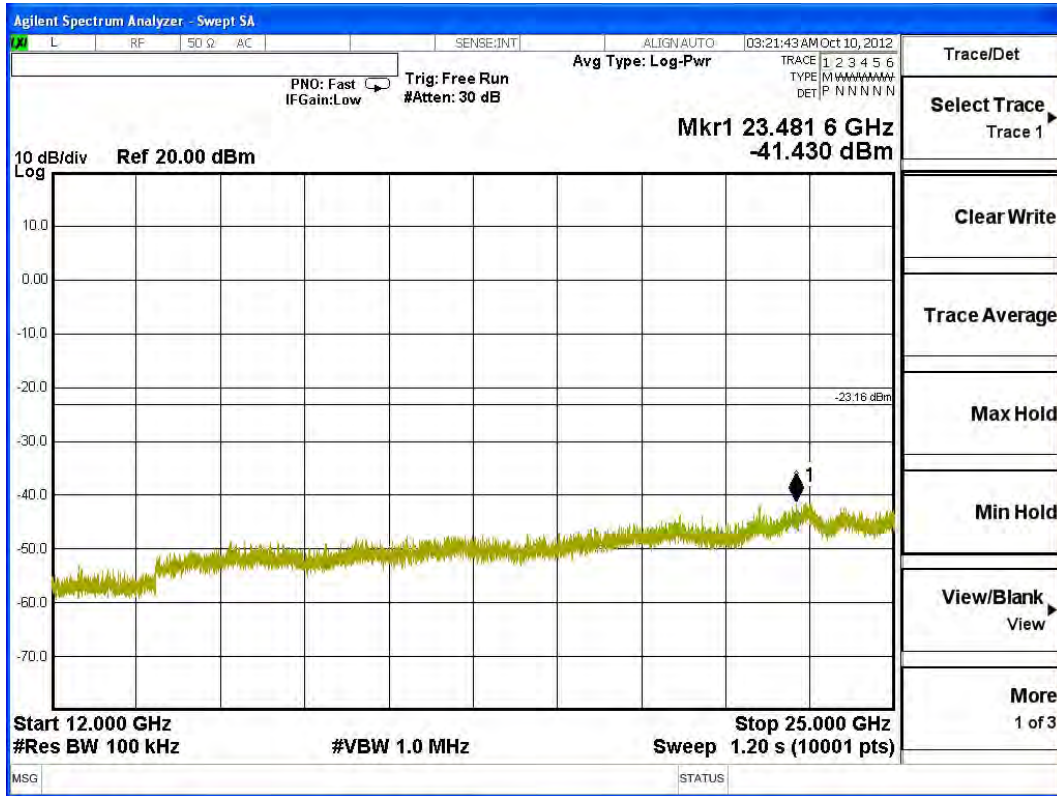


Date: 29.APR.2003 19:12:02



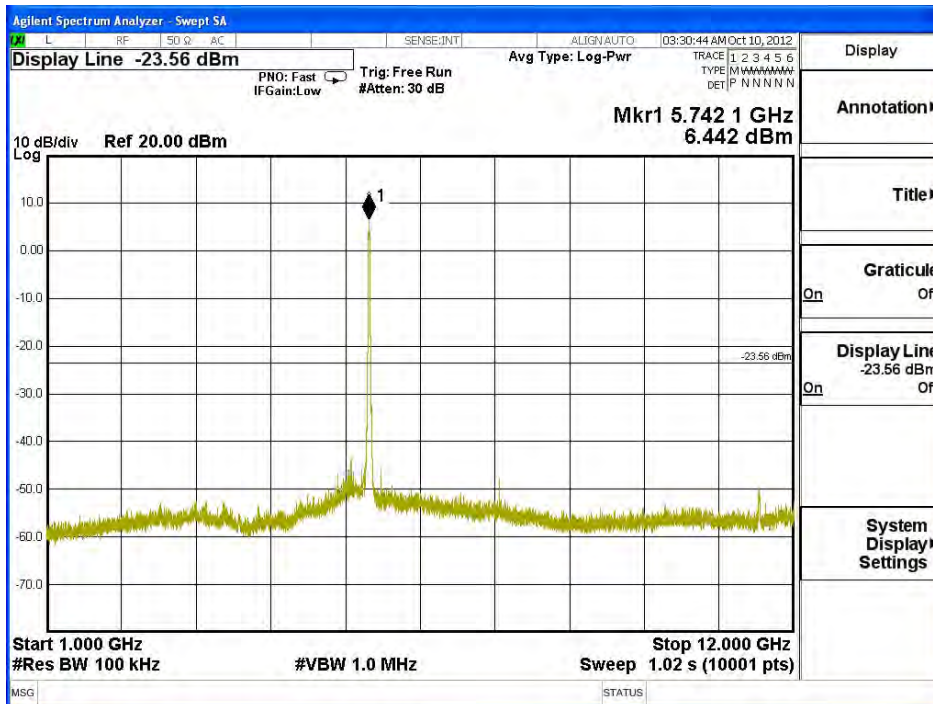
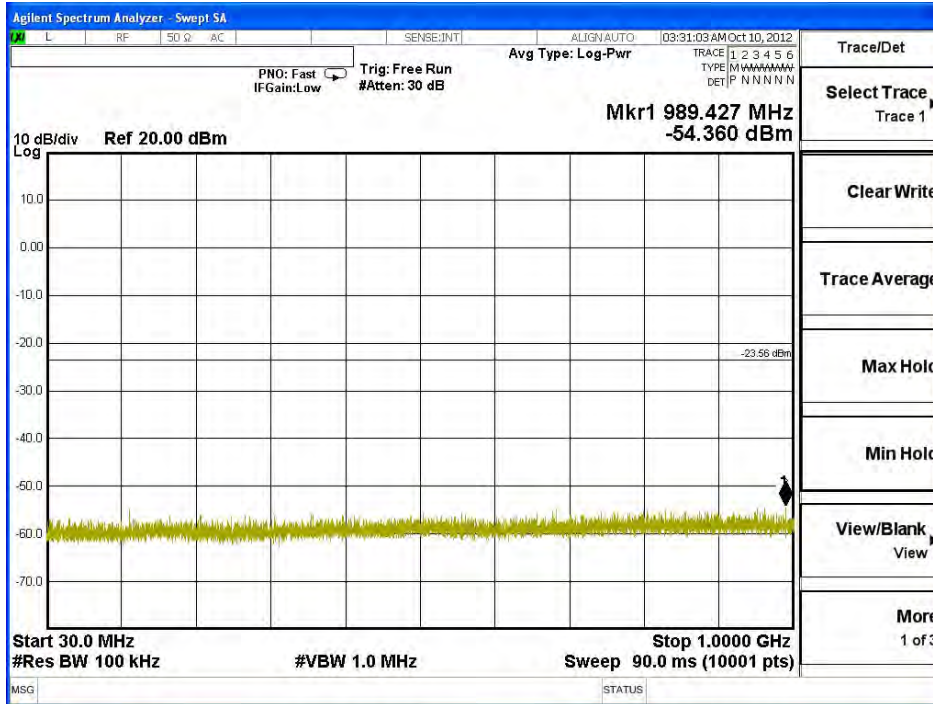
**Channel 165 (5825MHz) 30MHz -40GHz-Chain A**

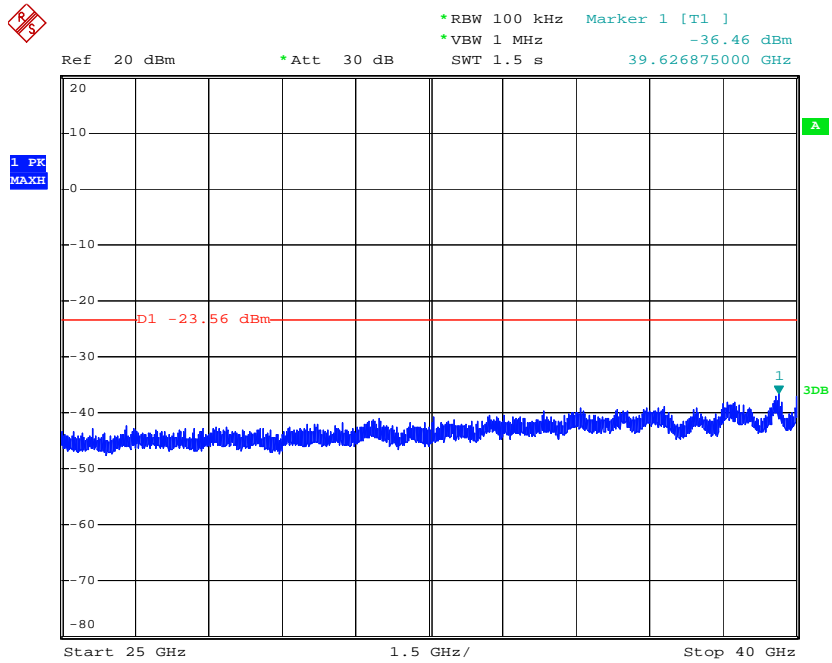
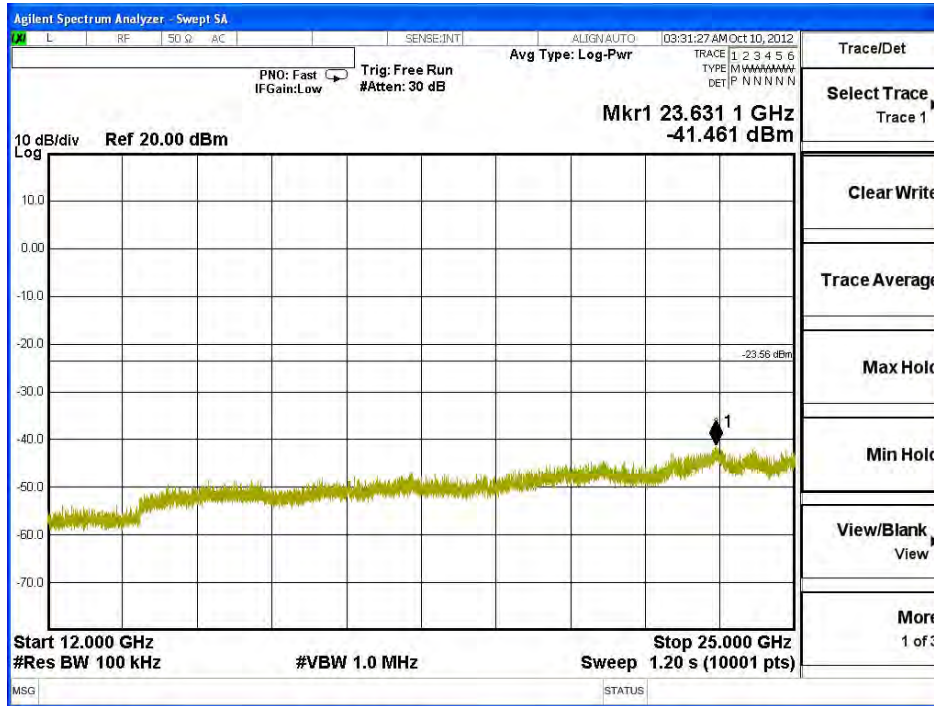




Date: 29.APR.2003 19:12:59

**Channel 49 (5745MHz) 30MHz -40GHz-Chain B**

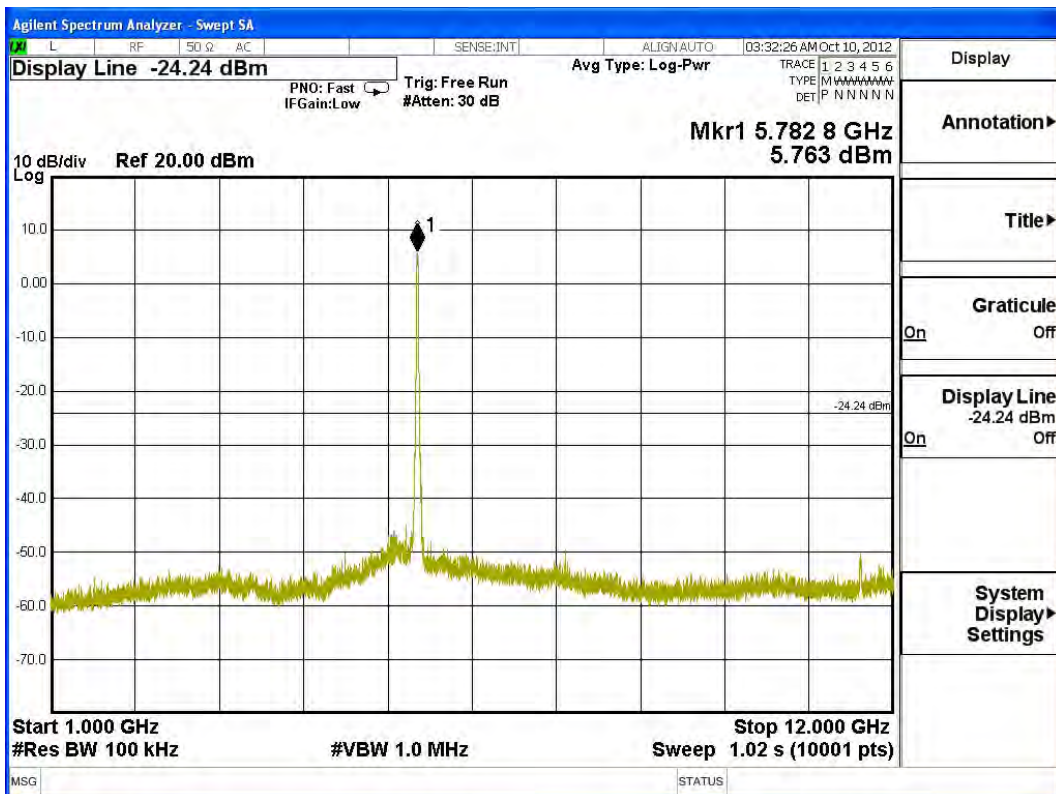
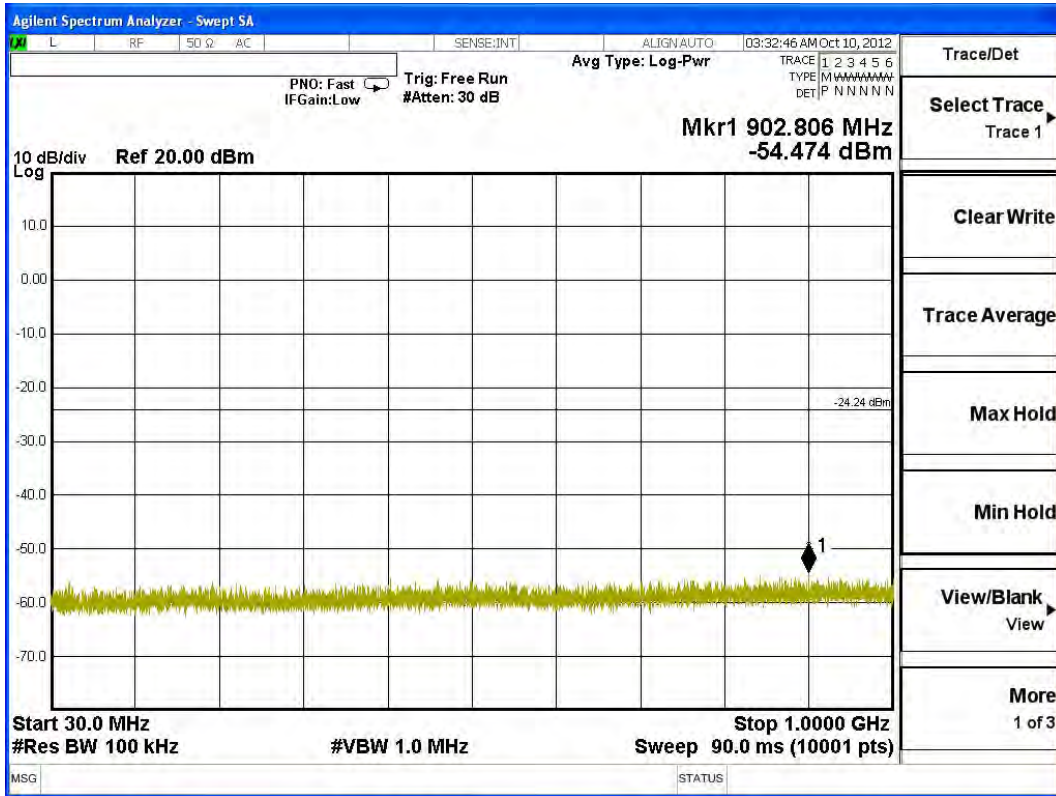




Date: 29.APR.2003 19:17:28

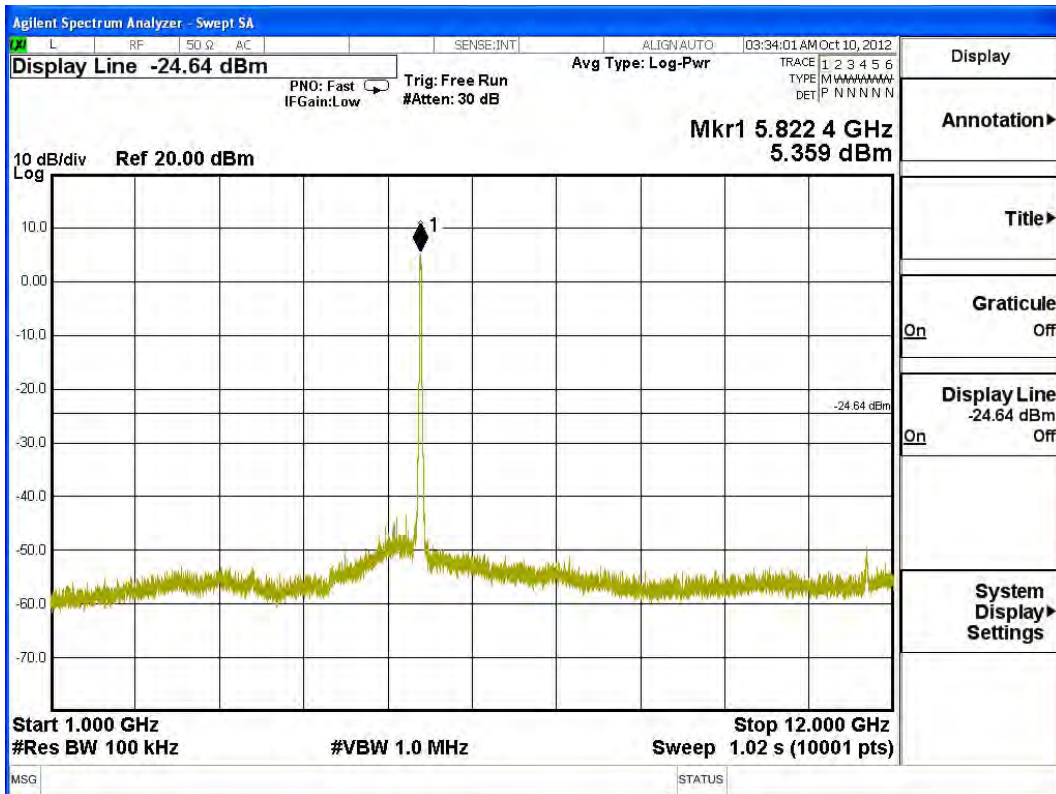
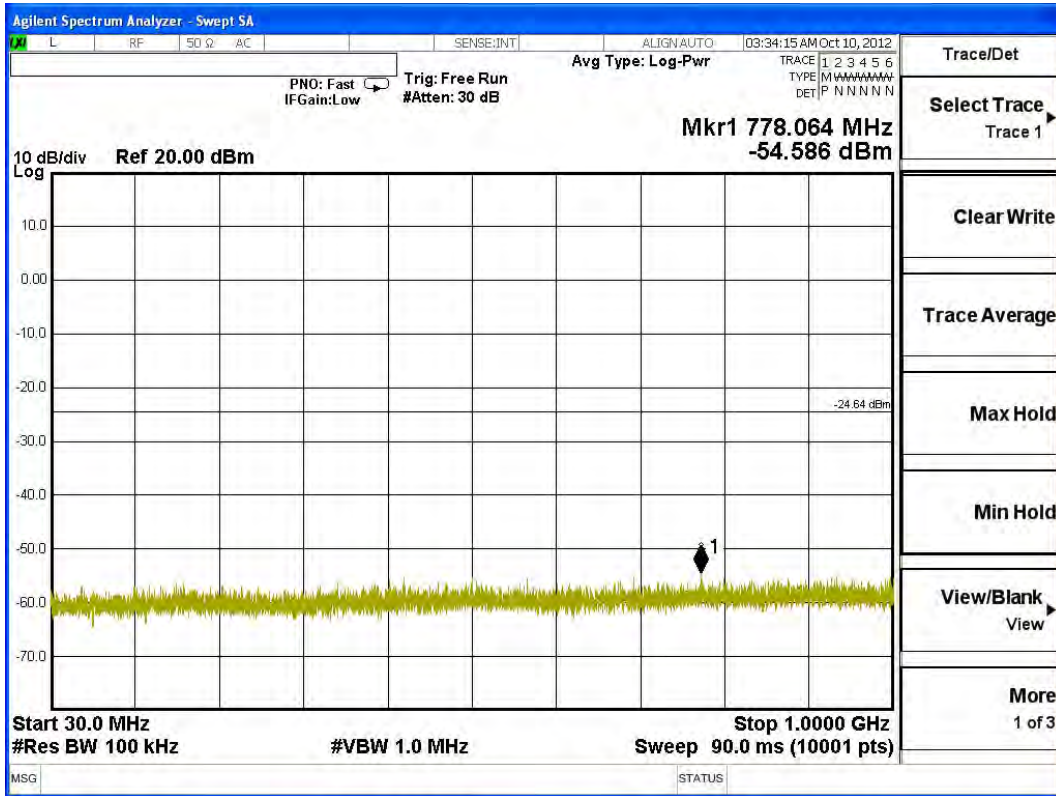


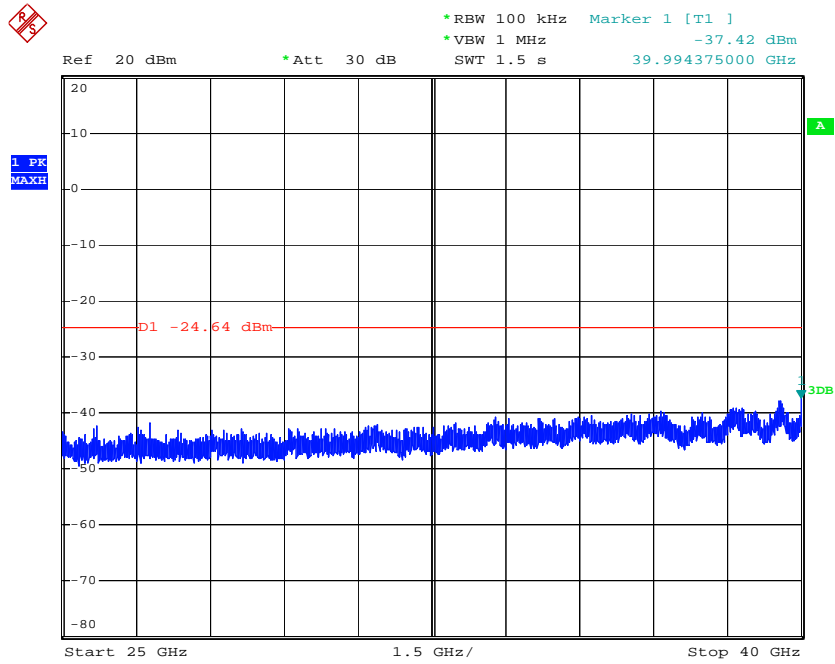
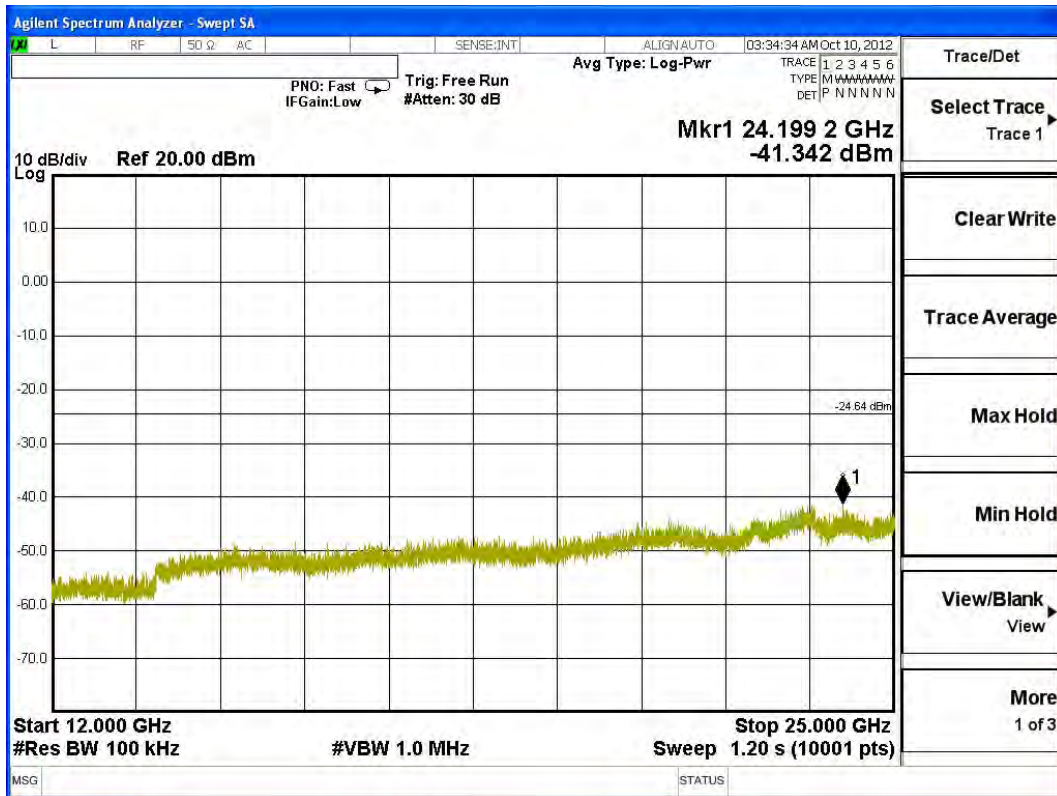
**Channel 157 (5785MHz) 30MHz -40GHz-Chain B**





**Channel 165 (5825MHz) 30MHz -40GHz-Chain B**



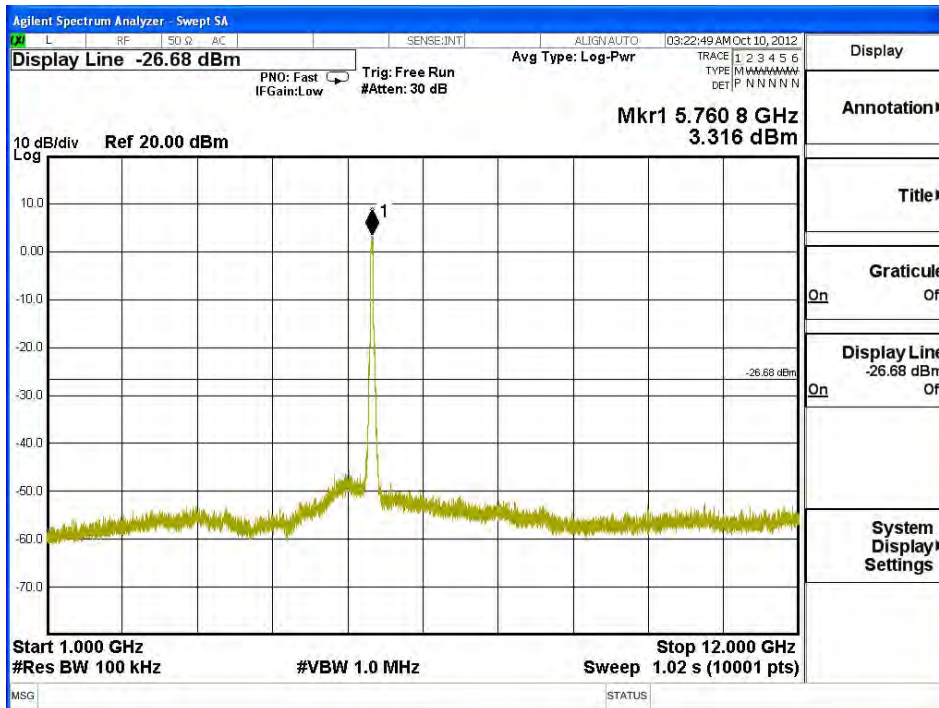
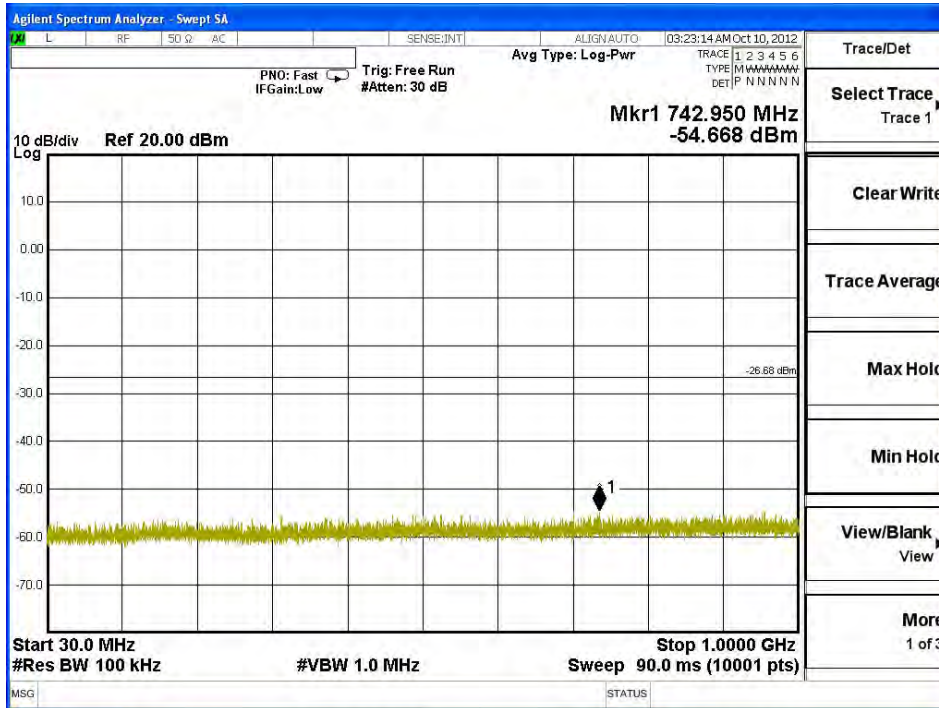


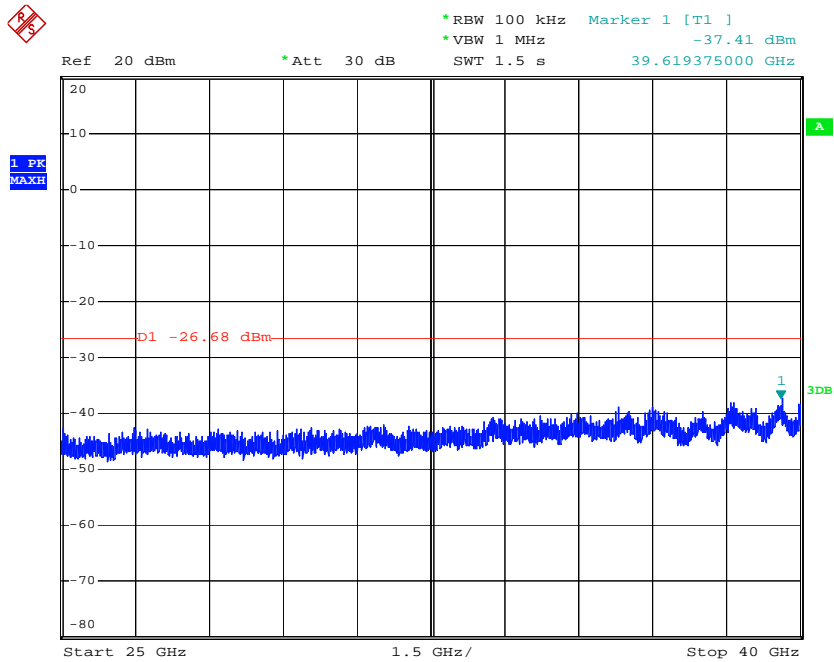
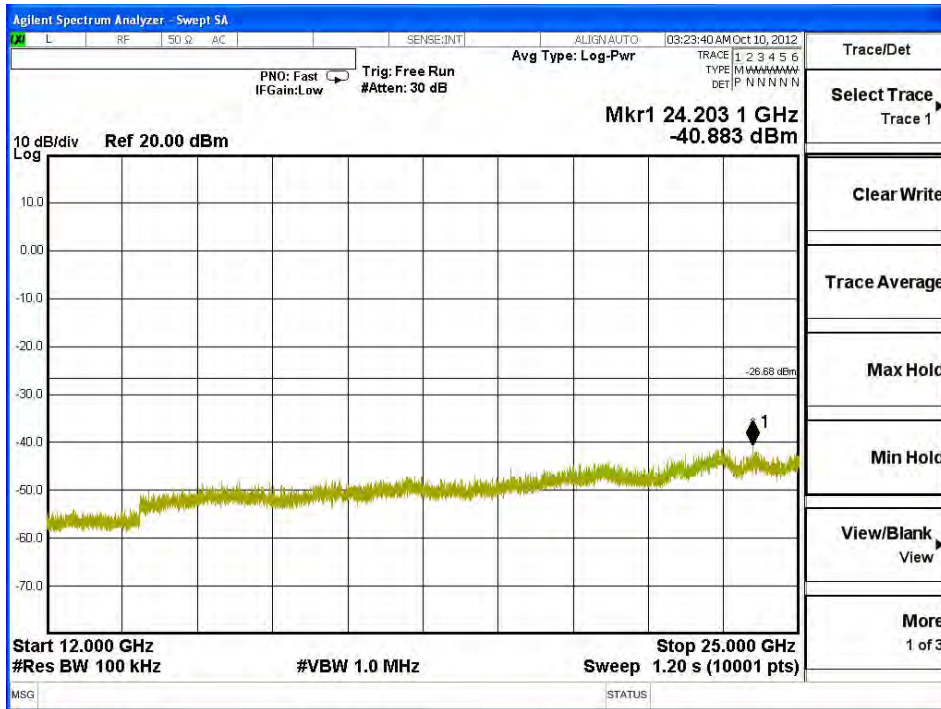
Date: 29.APR.2003 19:19:02



Product : SpectraGuardR Access Point / Sensor  
 Test Item : RF Antenna Conducted Spurious  
 Test Site : No.3 OATS  
 Test Mode : Mode 14: Transmit - 802.11n-40BW\_30Mbps(5G Band)(PIFA Antenna)

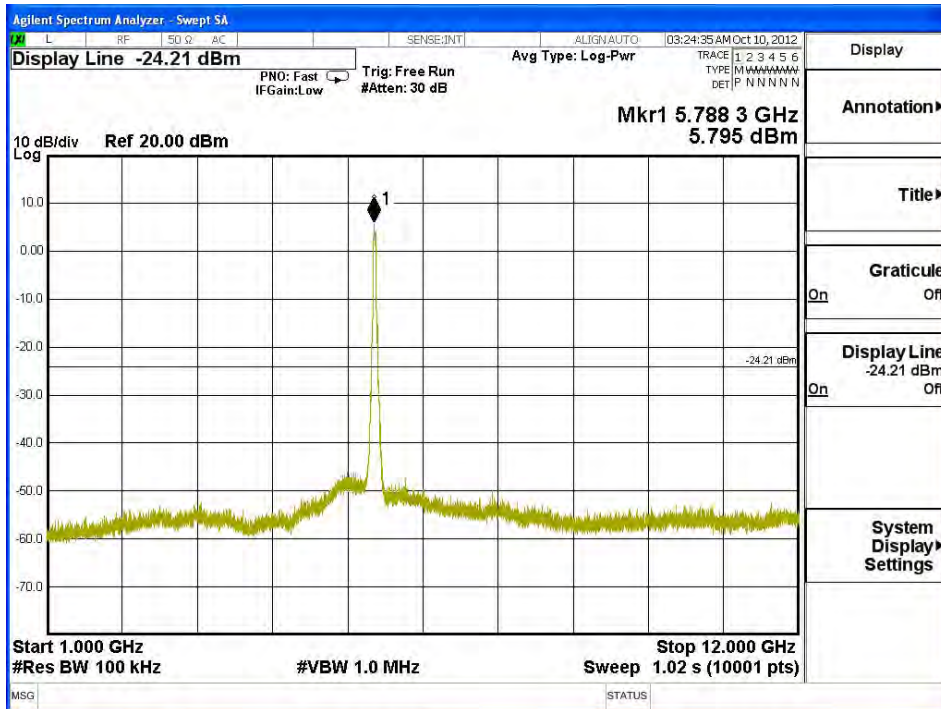
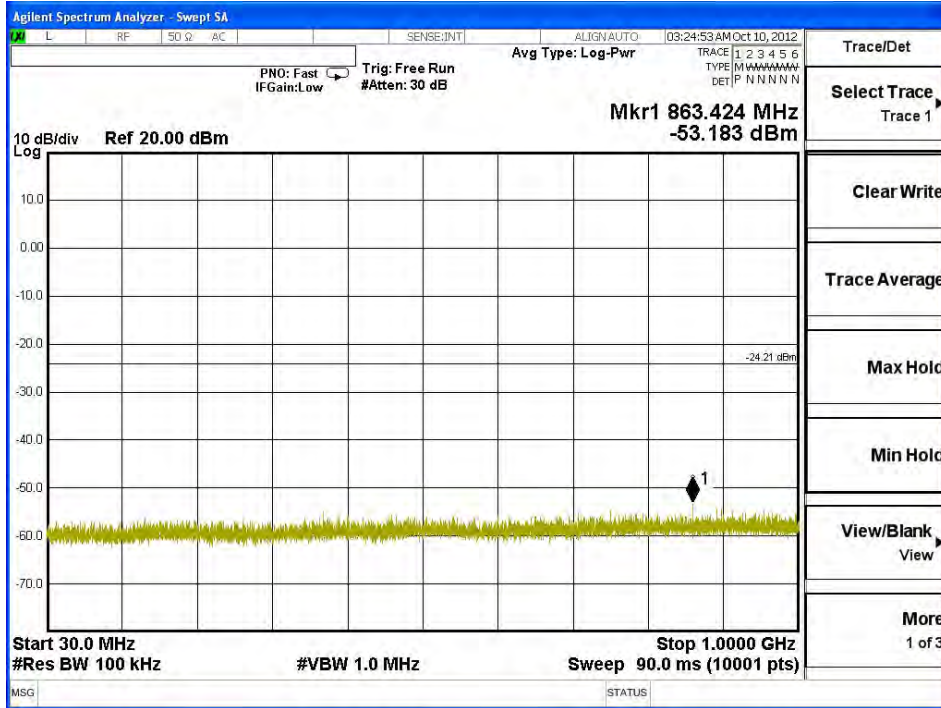
**Channel 151 (5755MHz) 30MHz -40GHz-Chain A**

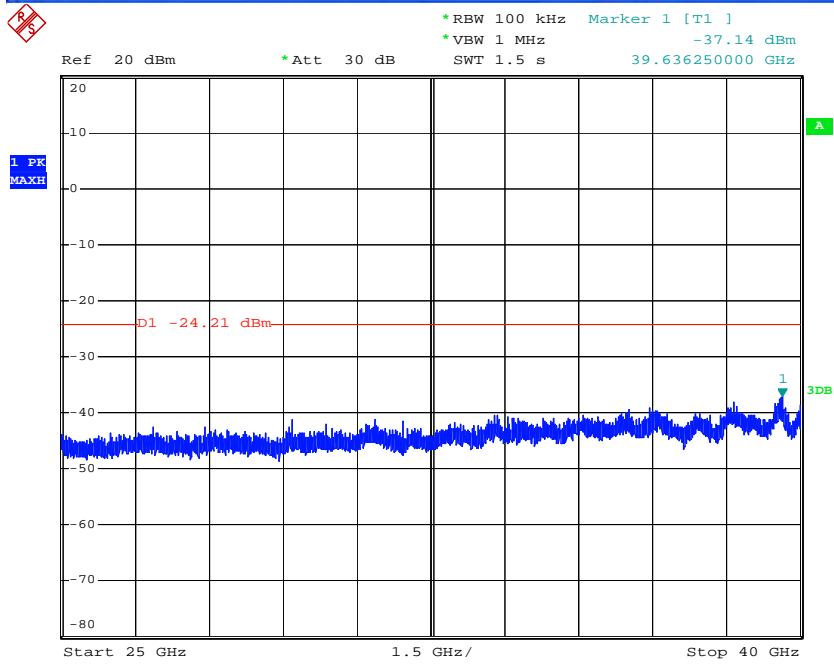
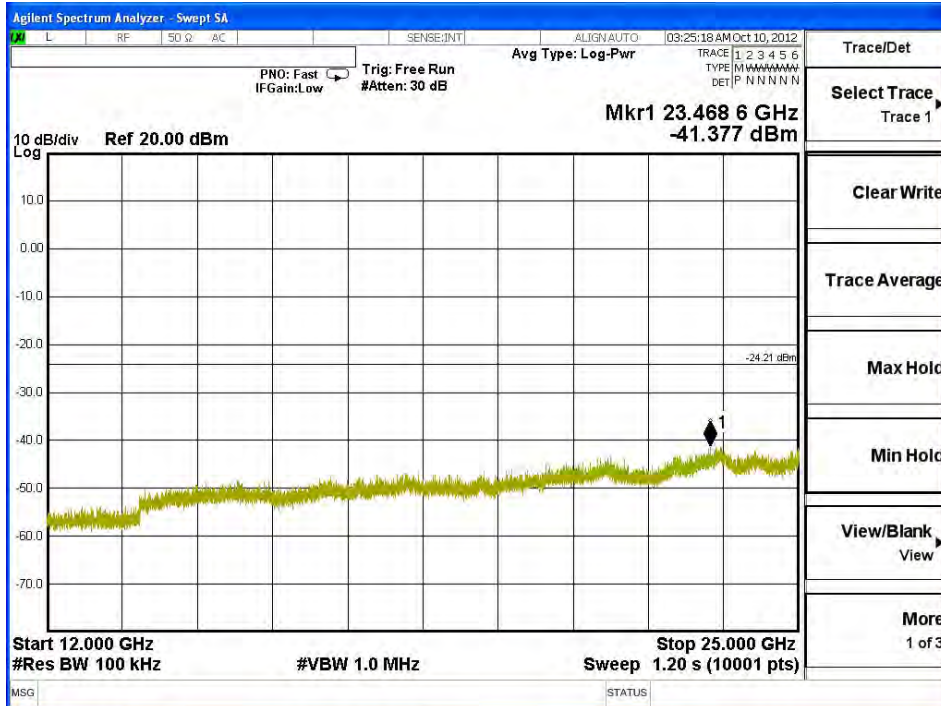




Date: 29.APR.2003 19:13:49

### Channel 159 (5795MHz) 30MHz -40GHz-Chain A

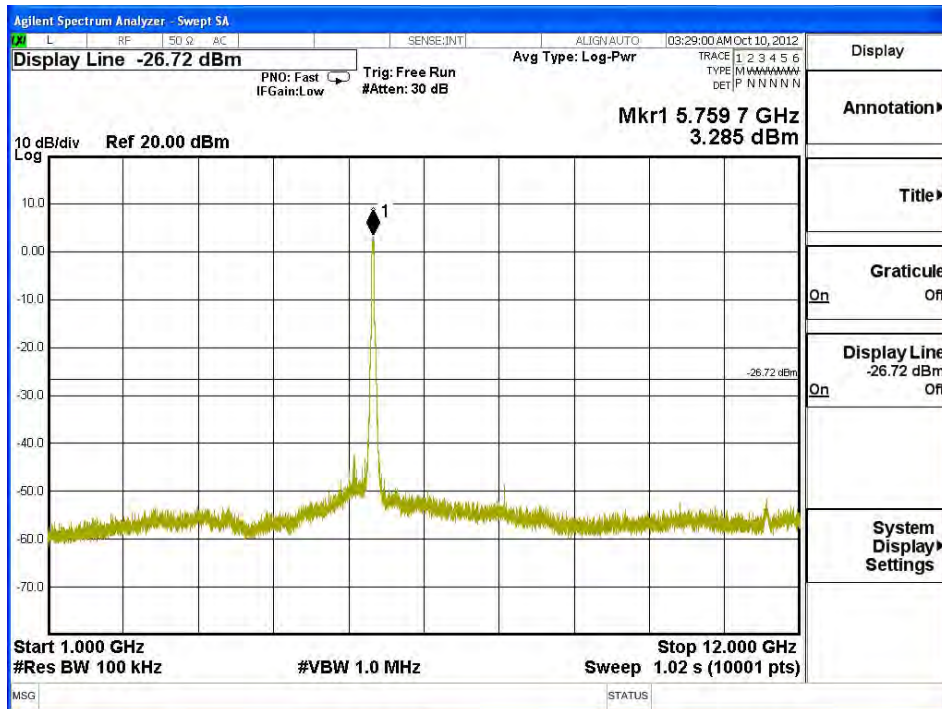
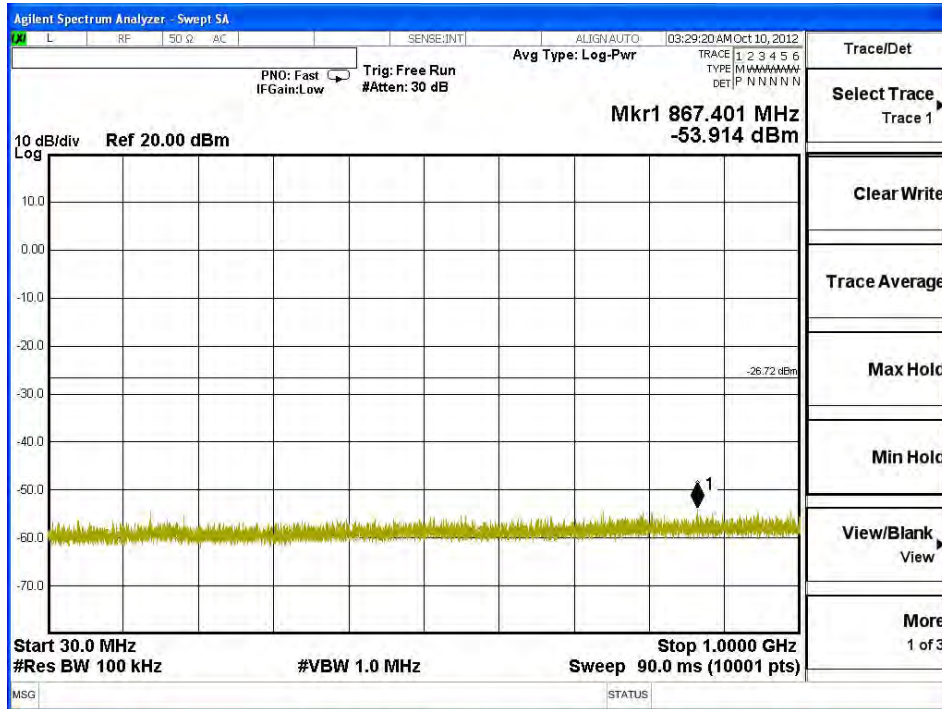


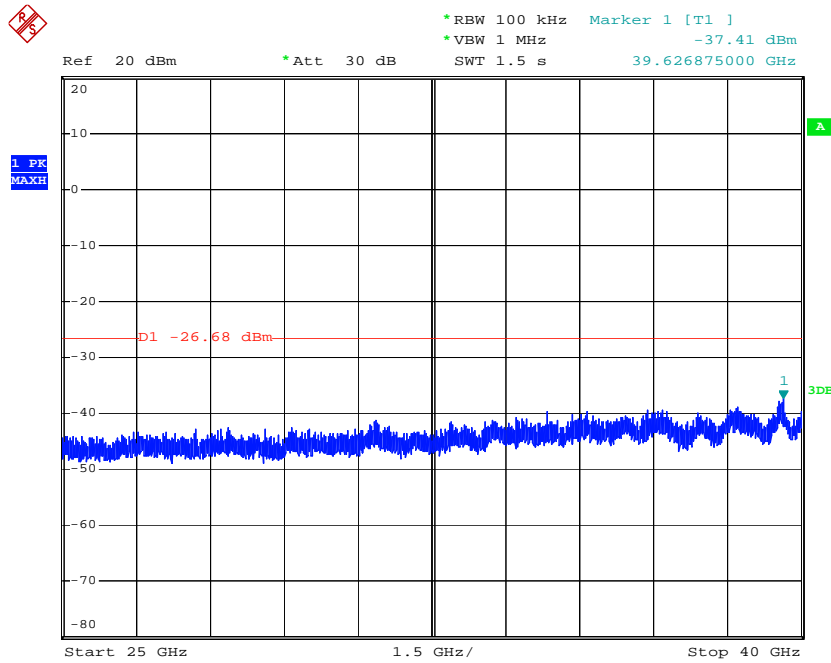
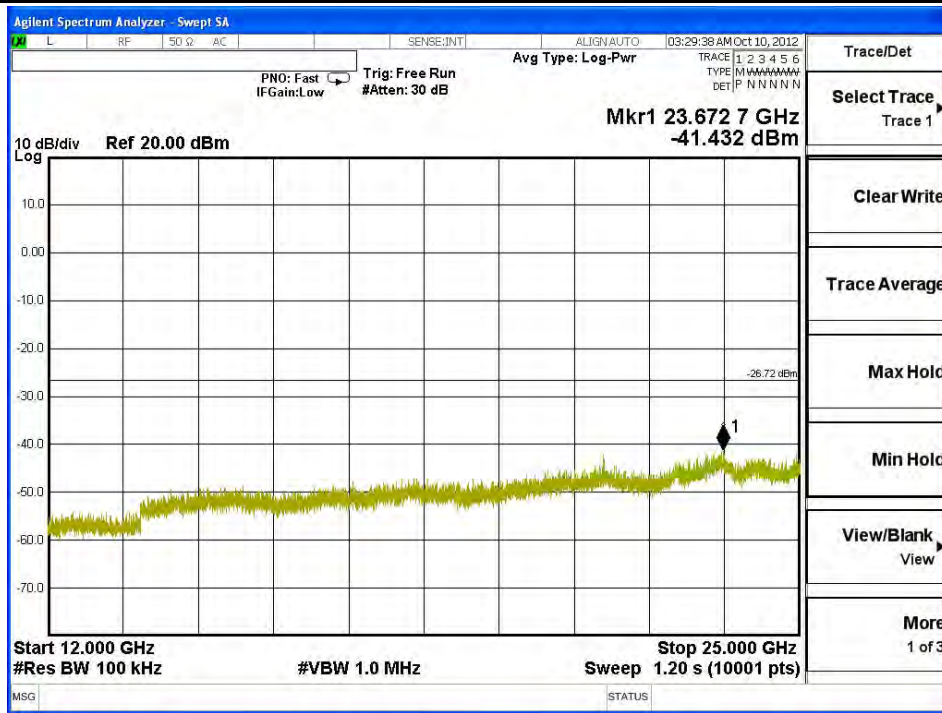


Date: 29.APR.2003 19:14:32



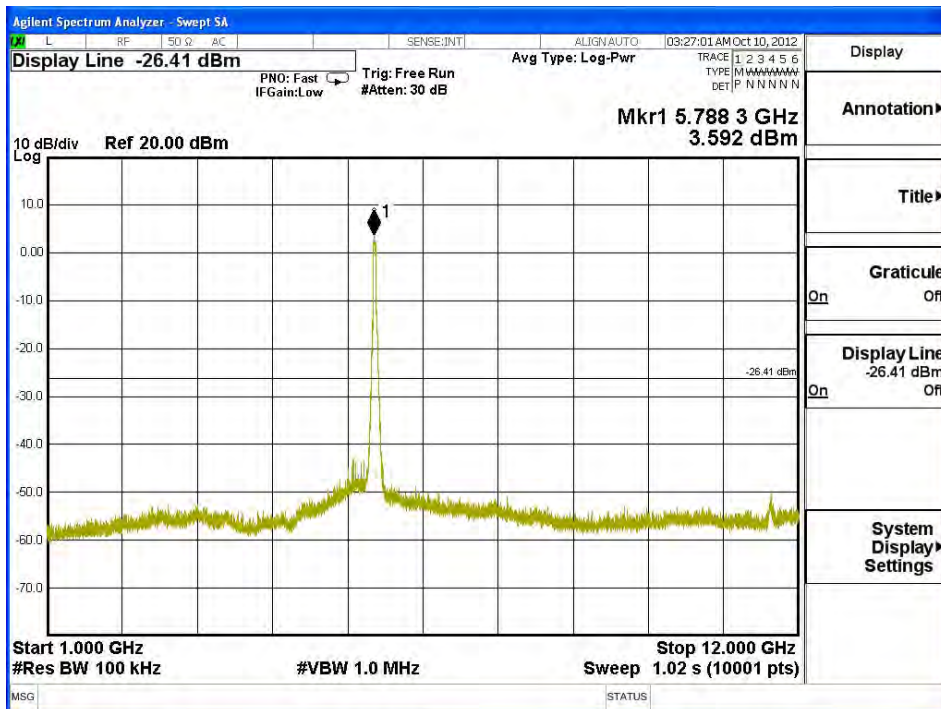
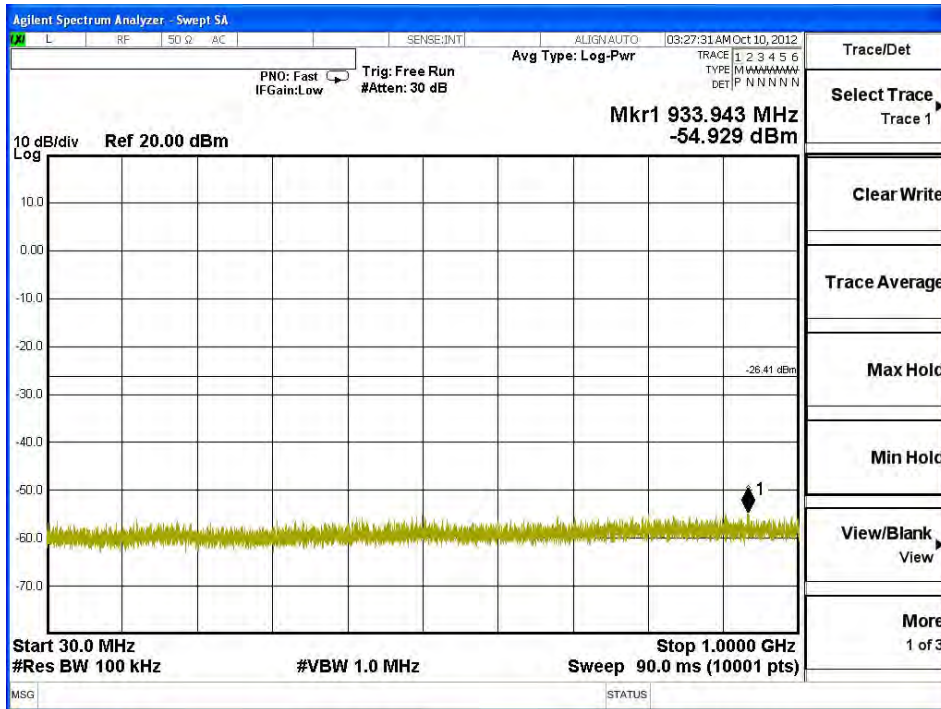
### Channel 151 (5755MHz) 30MHz -40GHz-Chain B

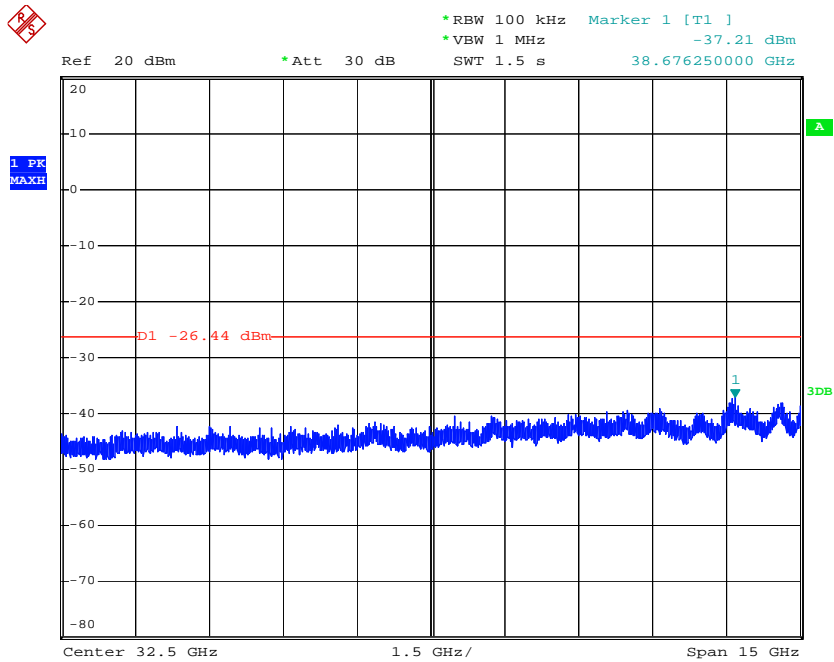
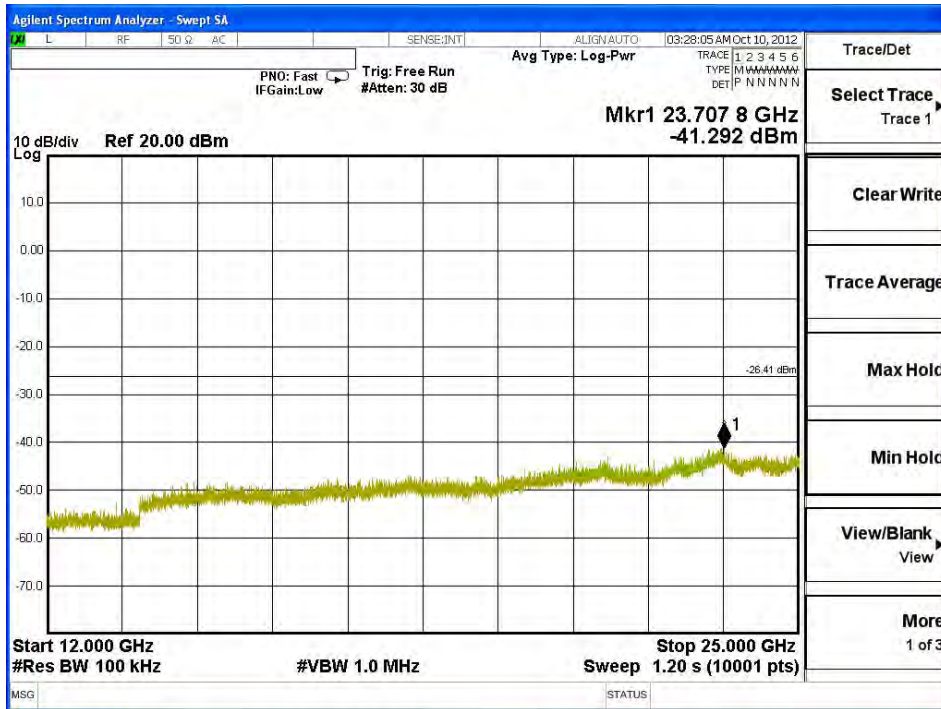




Date: 29.APR.2003 19:16:32

### Channel 159 (5795MHz) 30MHz -40GHz-Chain B





Date: 29.APR.2003 19:15:52



## 6. Band Edge

### 6.1. Test Equipment

#### RF Conducted Measurement

The following test equipments are used during the band edge tests:

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
	Spectrum Analyzer	R&S	FSP40 / 100170	Jun, 2012
	Spectrum Analyzer	Agilent	E4407B / US39440758	Jun, 2012
X	Spectrum Analyzer	Agilent	N9010A / MY48030495	Apr., 2012

Note:

1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
2. The test instruments marked with "X" are used to measure the final test results.

#### RF Radiated Measurement:

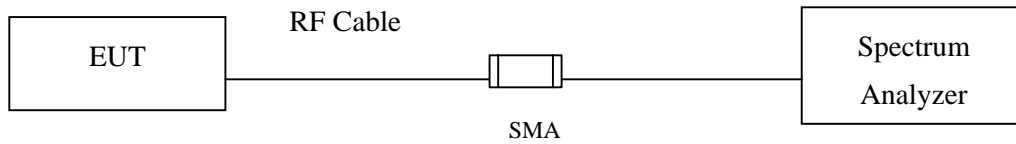
The following test equipments are used during the band edge tests:

Test Site	Equipment	Manufacturer	Model No./Serial No.	Last Cal.	
☒ Site # 3		Bilog Antenna	Schaffner Chase	CBL6112B/2673	Sep., 2012
	X	Horn Antenna	Schwarzbeck	BBHA9120D/D305	Sep., 2012
		Horn Antenna	Schwarzbeck	BBHA9170/208	Jul., 2012
		Pre-Amplifier	QTK	QTK-AMP-03 / 0003	May, 2012
	X	Pre-Amplifier	QTK	AP-180C / CHM_0906076	Sep., 2012
		Pre-Amplifier	MITEQ	AMF-4D-180400-45-6P/ 925975	Mar, 2012
	X	Spectrum Analyzer	Agilent	E4407B / US39440758	May, 2012
		Test Receiver	R & S	ESCS 30/ 825442/018	Sep., 2012
	X	Coaxial Cable	Quietek	QTK-CABLE/ CAB5	Feb., 2012
	X	Controller	Quietek	QTK-CONTROLLER/ CTRL3	N/A
	X	Coaxial Switch	Anritsu	MP59B/6200265729	N/A

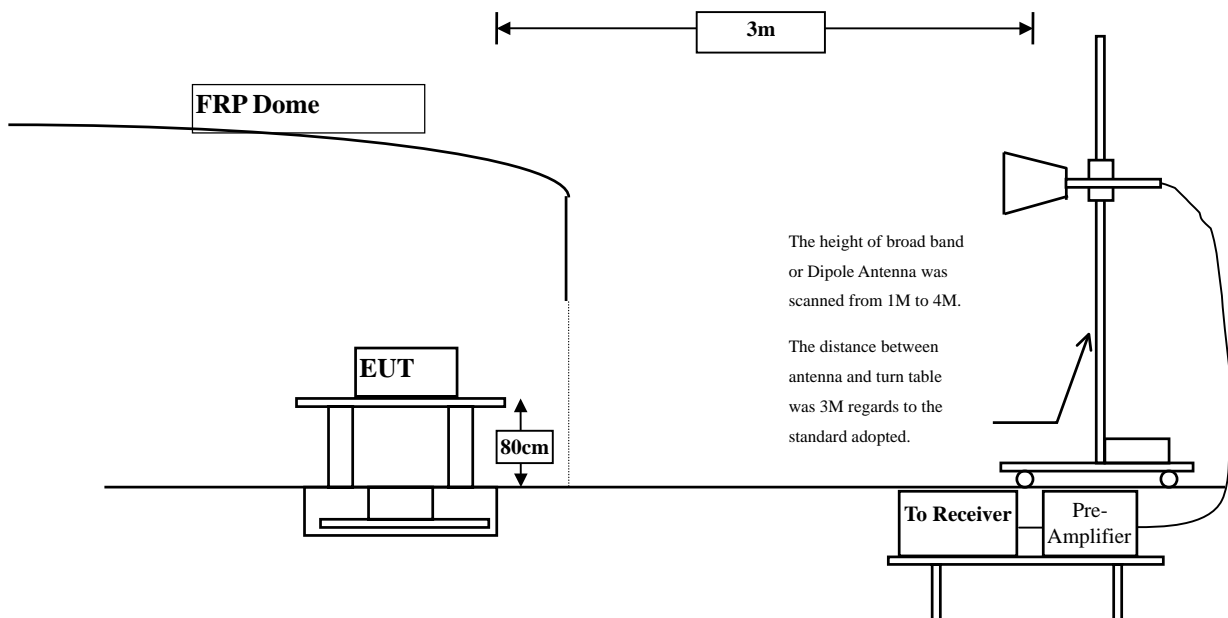
- Note:
1. All instruments are calibrated every one year.
  2. The test instruments marked by "X" are used to measure the final test results.

## 6.2. Test Setup

### RF Conducted Measurement



### RF Radiated Measurement:



## 6.3. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 30dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

#### **6.4. Test Procedure**

The EUT was setup according to ANSI C63.4, 2003 and tested according to DTS test procedure of Jan. 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

The EUT is placed on a turn table which is 0.8 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.4:2003 on radiated measurement.

#### **6.5. Uncertainty**

± 3.9 dB above 1GHz

± 3.8 dB below 1GHz

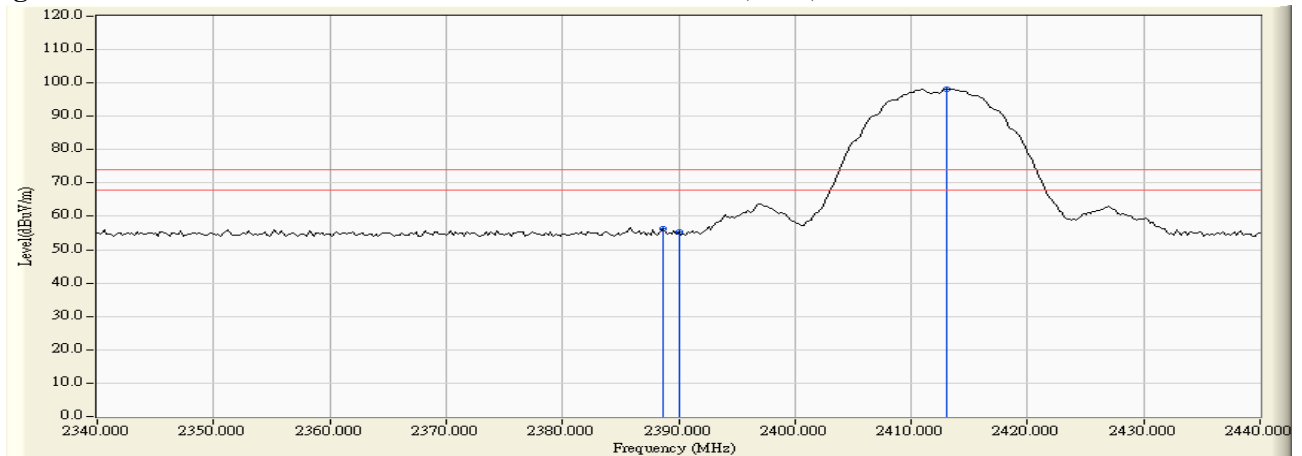
### 6.6. Test Result of Band Edge

Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11b 1Mbps)(Dipole Antenna)

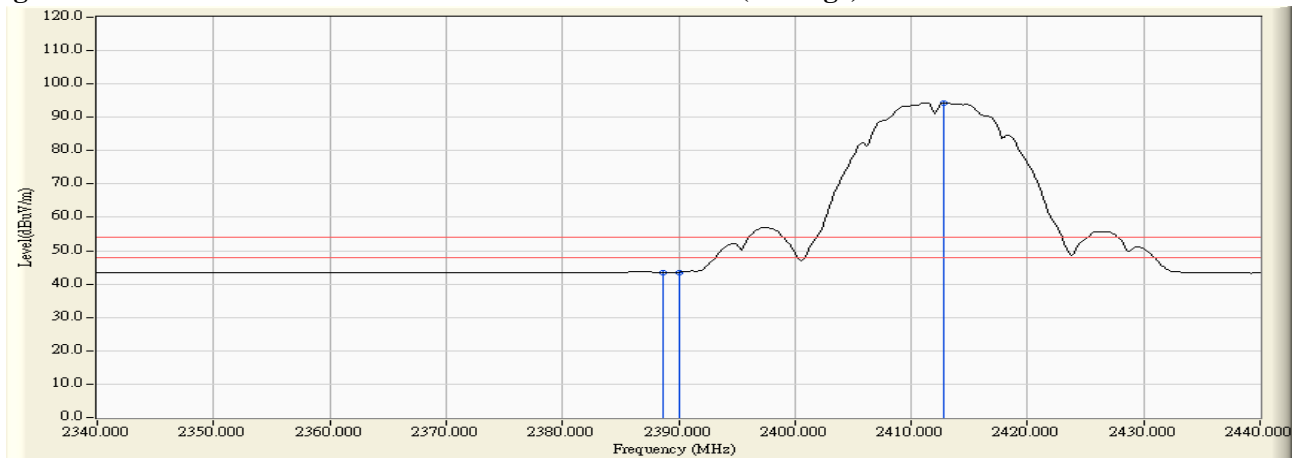
#### RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2388.600	31.737	24.573	56.311	74.00	54.00	Pass
01 (Peak)	2390.000	31.739	23.611	55.350	74.00	54.00	Pass
01 (Peak)	2413.000	31.775	66.451	98.225	--	--	--
01 (Average)	2388.600	31.737	11.730	43.468	74.00	54.00	Pass
01 (Average)	2390.000	31.739	11.807	43.546	74.00	54.00	Pass
01 (Average)	2412.800	31.775	62.601	94.375	--	--	--

**Figure Channel 01: Horizontal (Peak)**



**Figure Channel 01: Horizontal (Average)**





## Note:

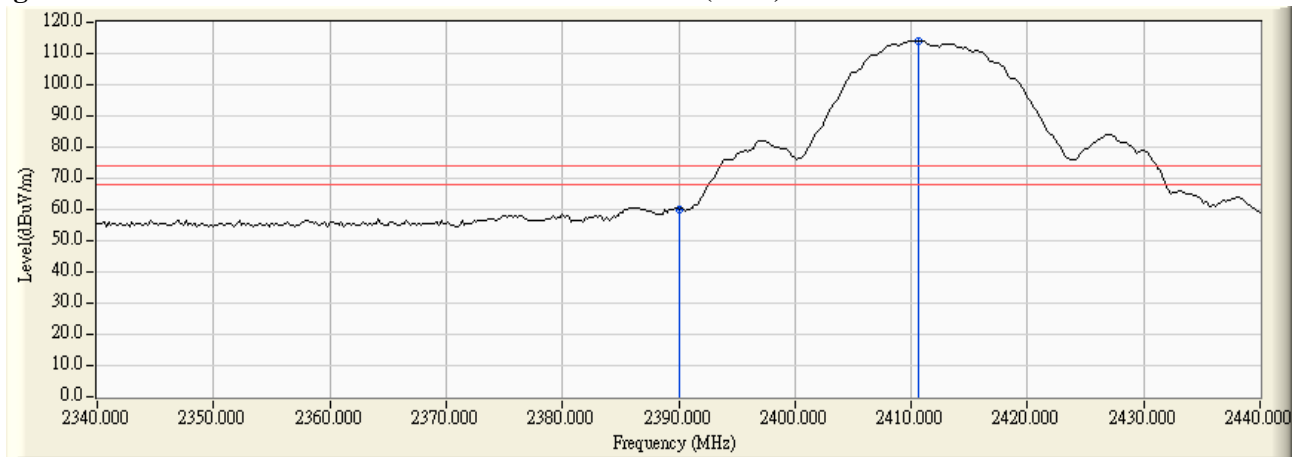
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11b 1Mbps)(Dipole Antenna)

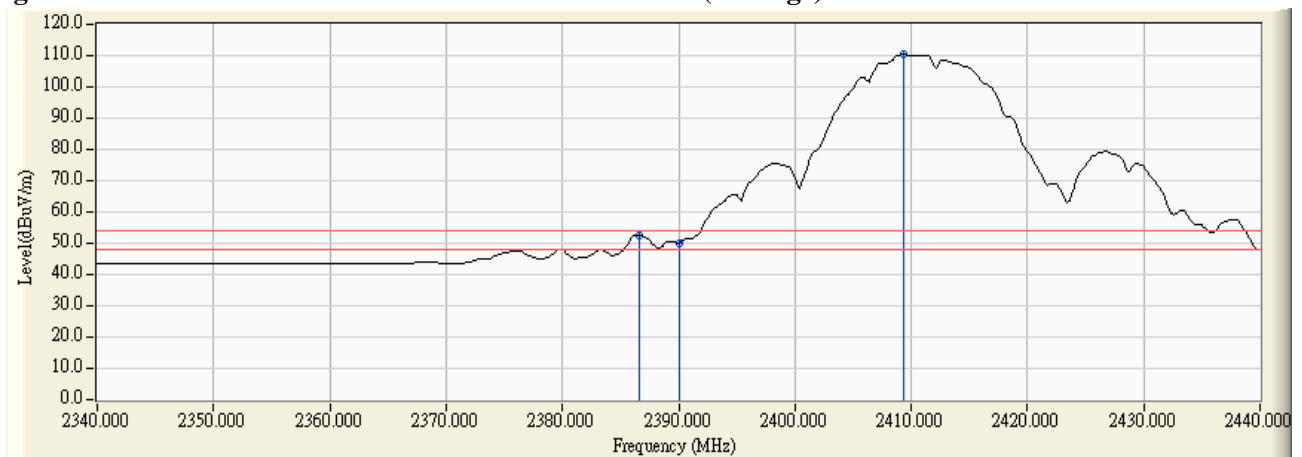
**RF Radiated Measurement (Vertical):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2390.000	30.267	29.841	60.108	74.00	54.00	Pass
01 (Peak)	2410.600	30.244	83.904	114.148	--	--	--
01 (Average)	2386.600	30.291	22.324	52.615	74.00	54.00	Pass
01 (Average)	2390.000	30.267	19.665	49.932	74.00	54.00	Pass
01 (Average)	2409.400	30.245	80.191	110.435	--	--	--

**Figure Channel 01: Vertical (Peak)**



**Figure Channel 01: Vertical (Average)**



## Note:

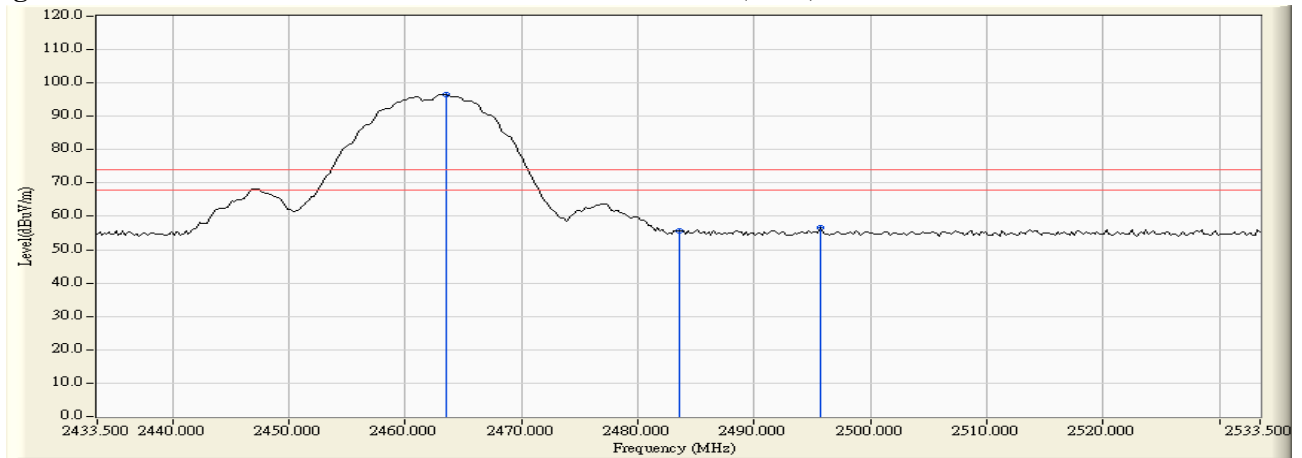
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11b 1Mbps)(Dipole Antenna)

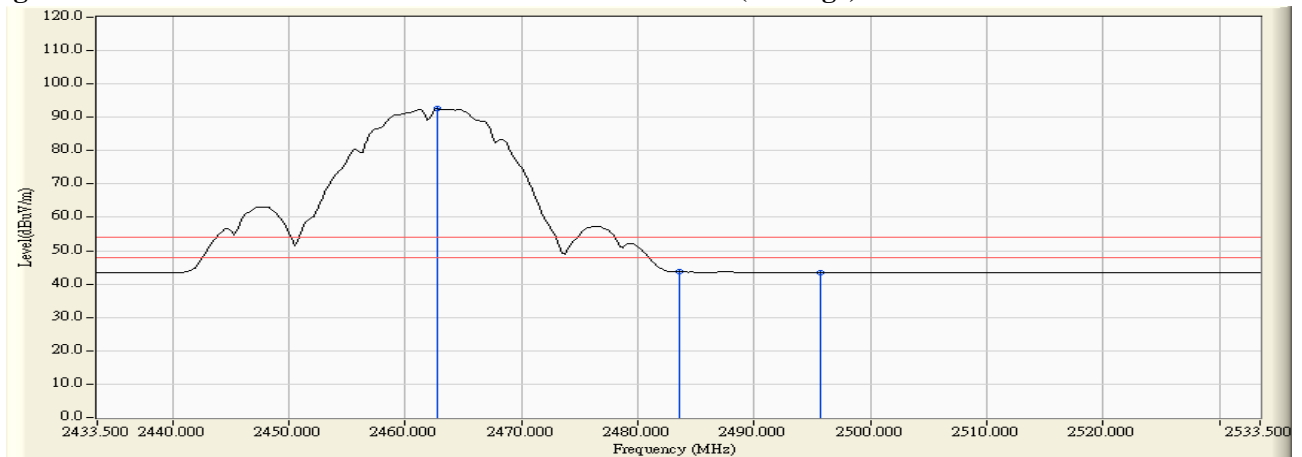
**RF Radiated Measurement (Horizontal):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11 (Peak)	2463.500	31.896	64.574	96.470	--	--	--
11 (Peak)	2483.500	31.951	23.841	55.791	74.00	54.00	Pass
11 (Peak)	2495.700	31.982	24.701	56.683	74.00	54.00	Pass
11 (Average)	2462.700	31.895	60.637	92.531	--	--	--
11 (Average)	2483.500	31.951	11.737	43.687	74.00	54.00	Pass
11 (Average)	2495.700	31.982	11.550	43.532	74.00	54.00	Pass

**Figure Channel 11: Horizontal (Peak)**



**Figure Channel 11: Horizontal (Average)**



## Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

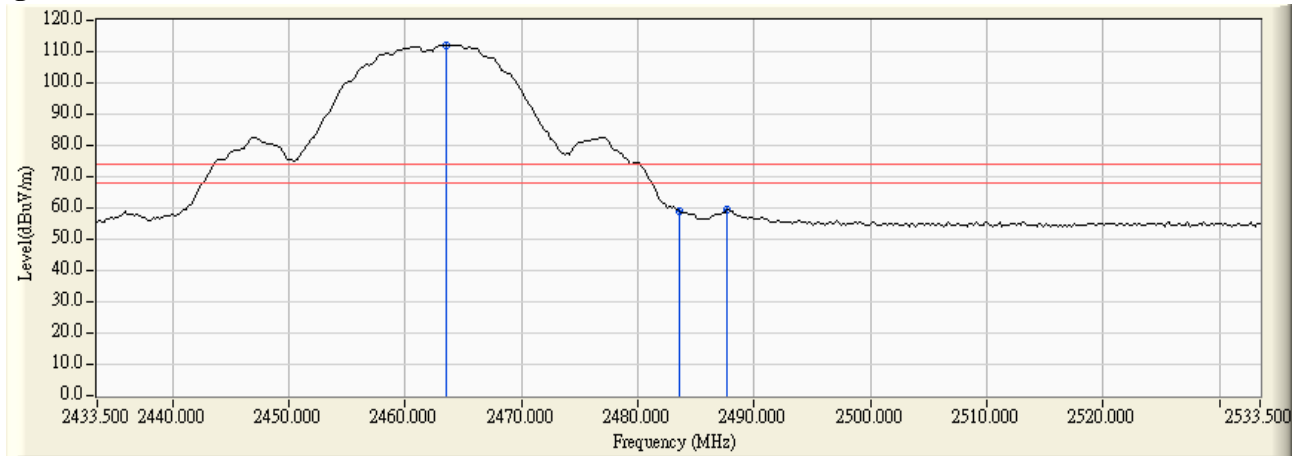


Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11b 1Mbps)(Dipole Antenna)

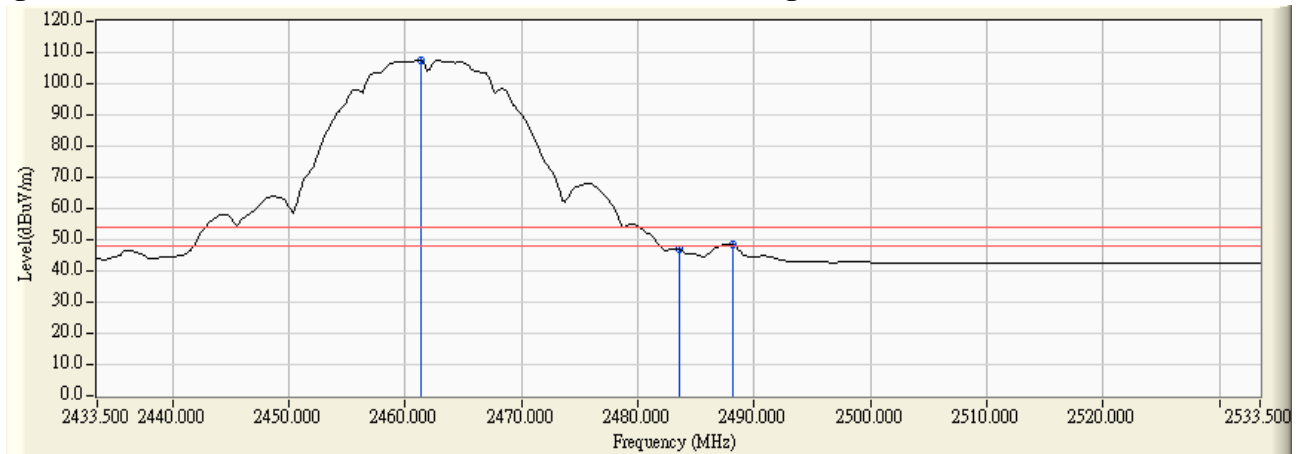
**RF Radiated Measurement (Vertical):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11 (Peak)	2463.500	30.487	81.694	112.182	--	--	--
11 (Peak)	2483.500	30.586	28.358	58.943	74.00	54.00	Pass
11 (Peak)	2487.700	30.605	28.809	59.414	74.00	54.00	Pass
11 (Average)	2461.300	30.477	77.142	107.619	--	--	--
11 (Average)	2483.500	30.586	16.303	46.888	74.00	54.00	Pass
11 (Average)	2488.100	30.607	17.761	48.368	74.00	54.00	Pass

**Figure Channel 11: Vertical (Peak)**



**Figure Channel 11: Vertical (Average)**



## Note:

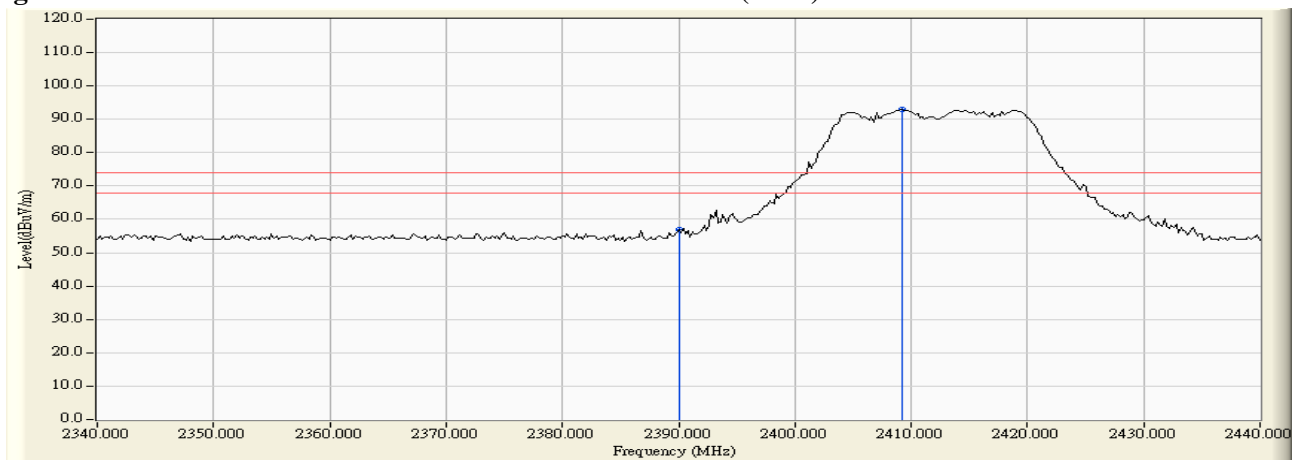
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11g 6Mbps)(Dipole Antenna)

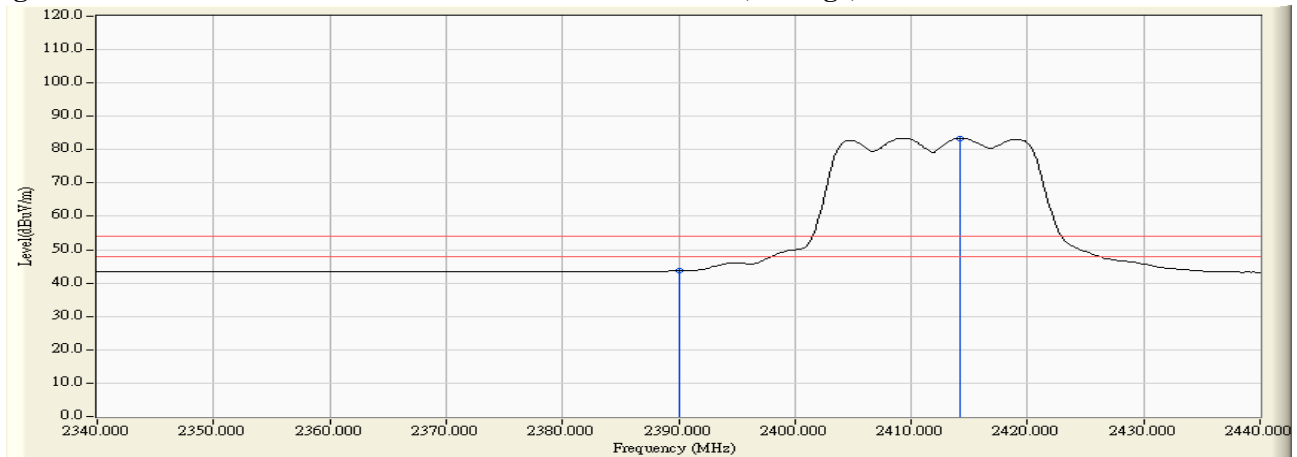
**RF Radiated Measurement (Horizontal):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2390.000	31.739	25.074	56.813	74.00	54.00	Pass
01 (Peak)	2409.200	31.766	61.113	92.879	--	--	--
01(Average)	2390.000	31.739	12.023	43.762	74.00	54.00	Pass
01(Average)	2414.200	31.777	51.569	83.346	--	--	--

**Figure Channel 01: Horizontal (Peak)**



**Figure Channel 01: Horizontal (Average)**



**Note:**

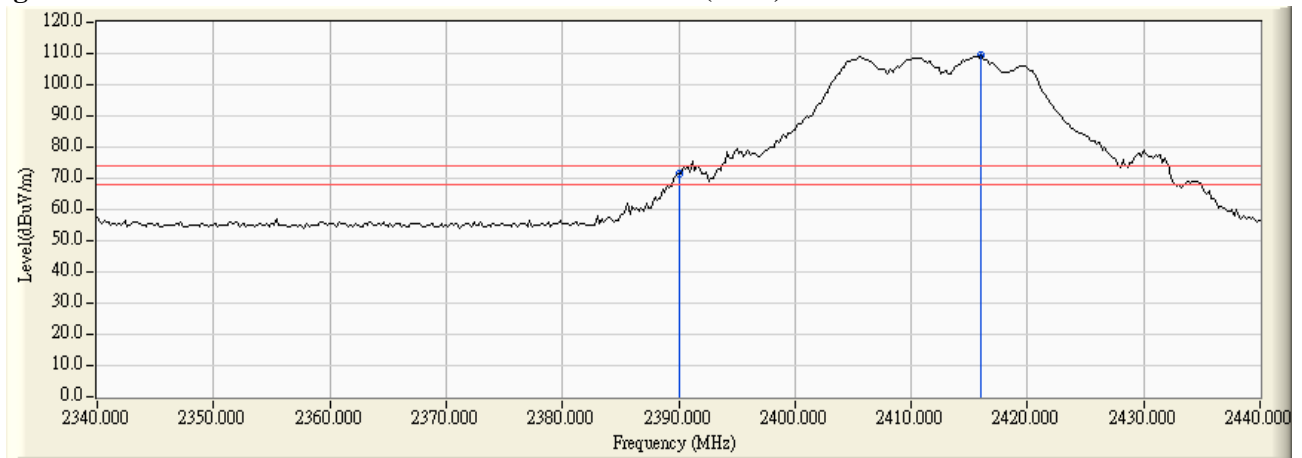
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11g 6Mbps)(Dipole Antenna)

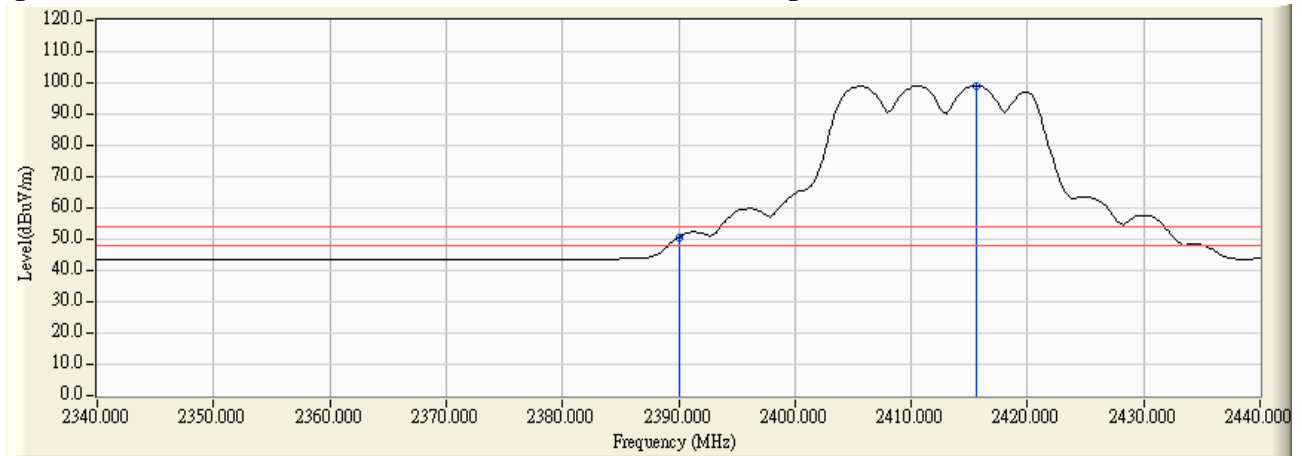
**RF Radiated Measurement (Vertical):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2390.000	30.267	41.273	71.540	74.00	54.00	Pass
01 (Peak)	2416.000	30.267	79.331	109.598	--	--	--
01 (Average)	2390.000	30.267	20.373	50.640	74.00	54.00	Pass
01 (Average)	2415.600	30.264	68.772	99.037	--	--	--

**Figure Channel 01: Vertical (Peak)**



**Figure Channel 01: Vertical (Average)**



**Note:**

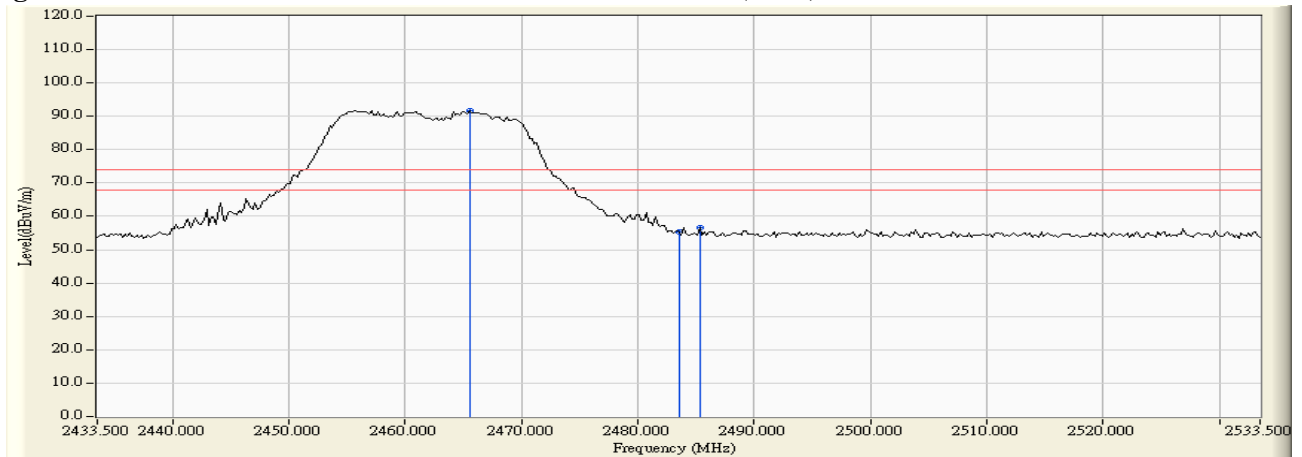
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11g 6Mbps)(Dipole Antenna)

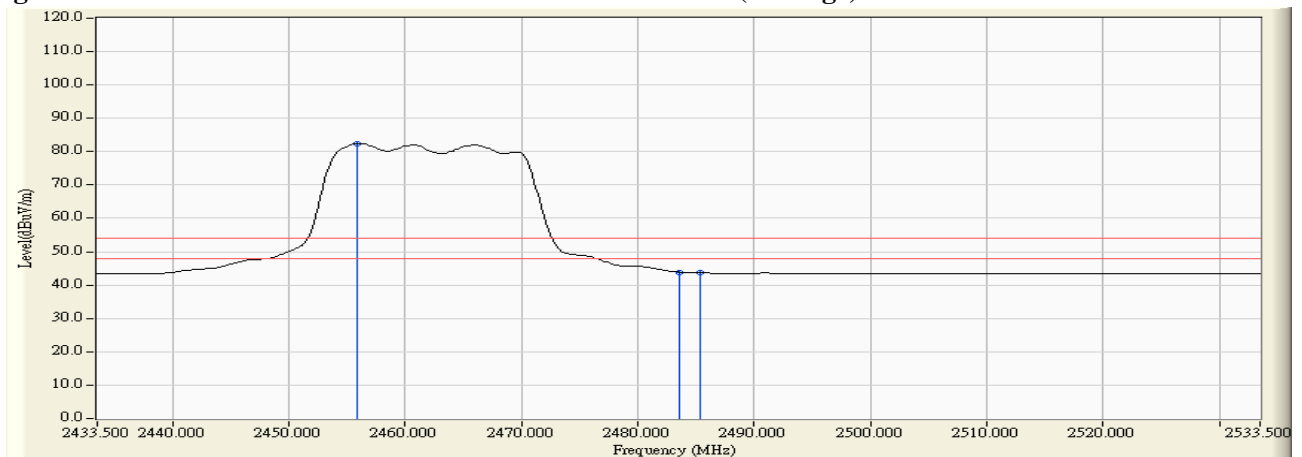
**RF Radiated Measurement (Horizontal):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11 (Peak)	2465.500	31.901	59.876	91.778	--	--	--
11 (Peak)	2483.500	31.951	23.245	55.195	74.00	54.00	Pass
11 (Peak)	2485.300	31.954	24.512	56.467	74.00	54.00	
11 (Average)	2455.900	31.877	50.476	82.353	--	--	--
11 (Average)	2483.500	31.951	11.955	43.905	74.00	54.00	Pass
11 (Average)	2485.300	31.954	11.750	43.705	74.00	54.00	Pass

**Figure Channel 11: Horizontal (Peak)**



**Figure Channel 11: Horizontal (Average)**





## Note:

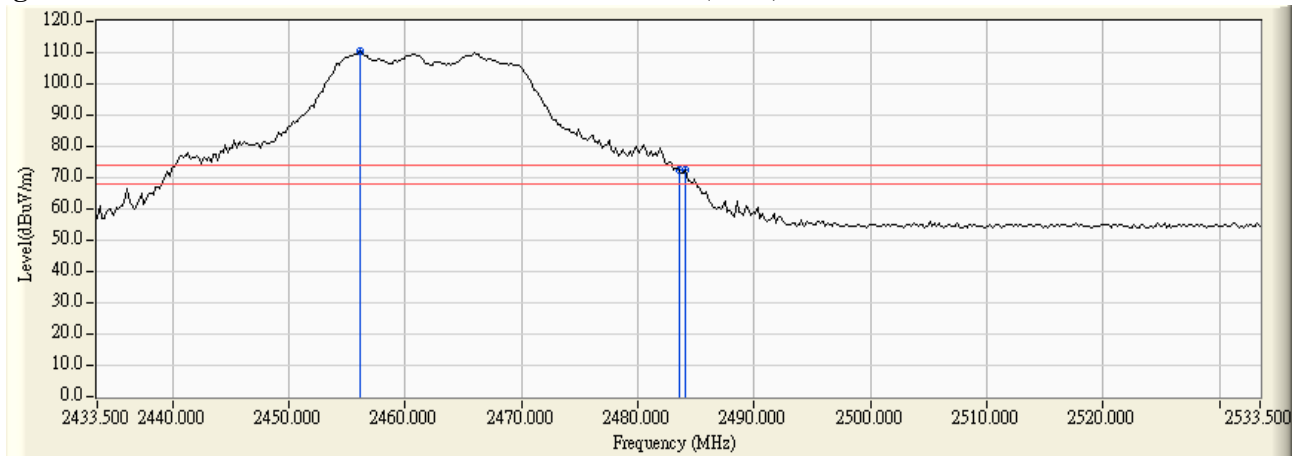
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11g 6Mbps)(Dipole Antenna)

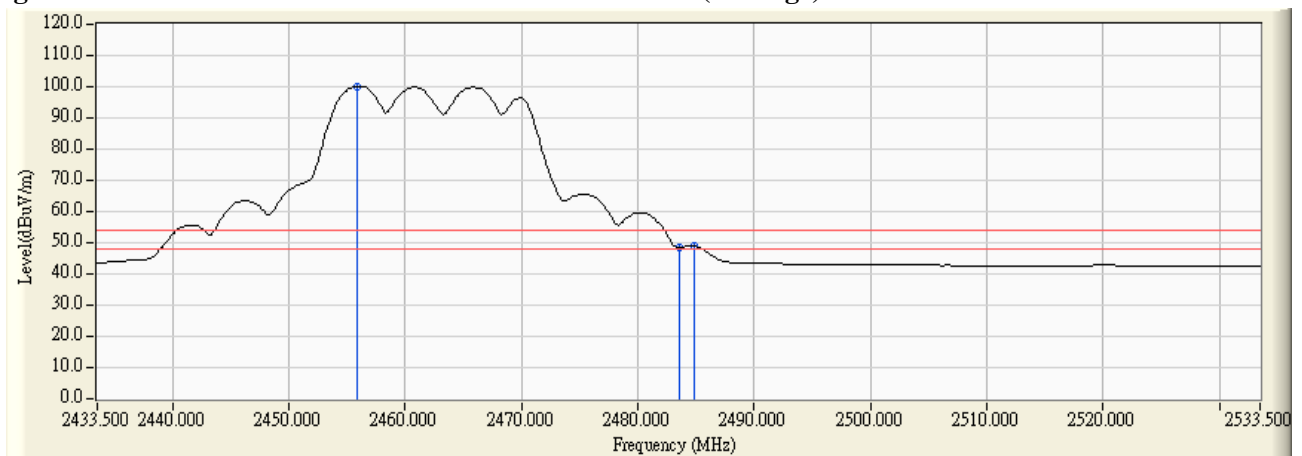
**RF Radiated Measurement (Vertical):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11 (Peak)	2456.100	30.452	79.933	110.385	--	--	--
11 (Peak)	2483.500	30.586	41.758	72.343	74.00	54.00	Pass
11 (Peak)	2484.100	30.588	41.989	72.577	74.00	54.00	Pass
11 (Average)	2455.900	30.451	69.711	100.162	--	--	--
11 (Average)	2483.500	30.586	17.685	48.270	74.00	54.00	Pass
11 (Average)	2484.900	30.592	18.266	48.858	74.00	54.00	Pass

**Figure Channel 11: Vertical (Peak)**



**Figure Channel 11: Vertical (Average)**



## Note:

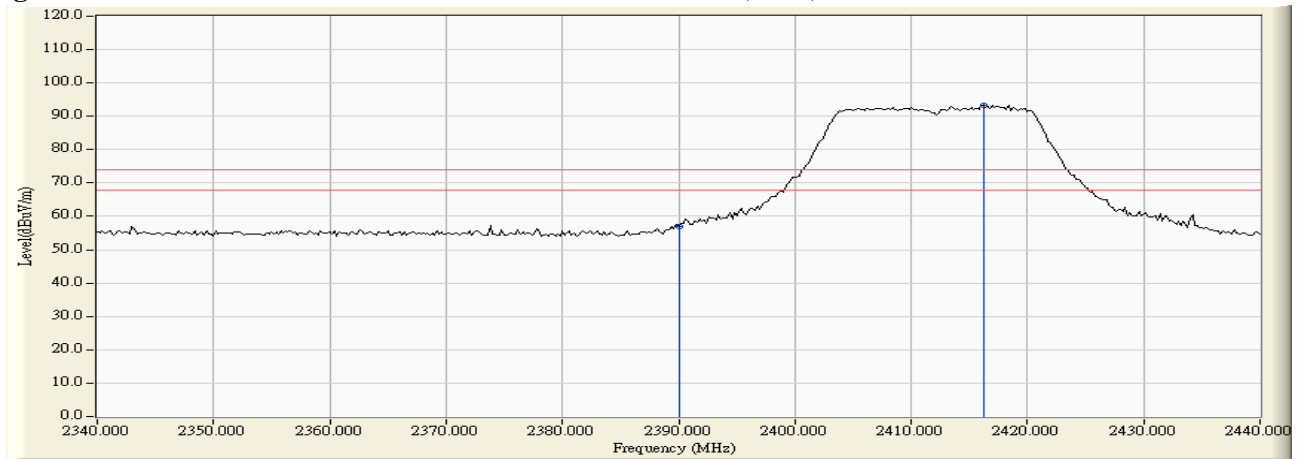
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 4: Transmit - 802.11n-20BW\_14.4Mbps(2.4G Band)(Dipole Antenna)

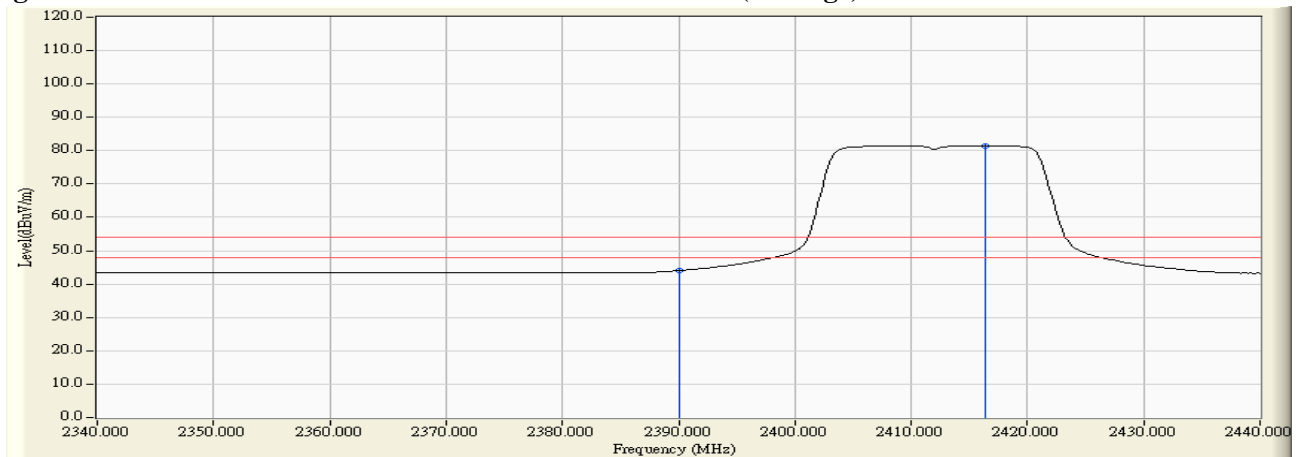
**RF Radiated Measurement (Horizontal):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2390.000	31.739	25.274	57.013	74.00	54.00	Pass
01 (Peak)	2416.200	31.782	61.660	93.442	--	--	--
01 (Average)	2390.000	31.739	12.316	44.055	74.00	54.00	Pass
01 (Average)	2416.400	31.783	49.701	81.483	--	--	--

**Figure Channel 01: Horizontal (Peak)**



**Figure Channel 01: Horizontal (Average)**



## Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

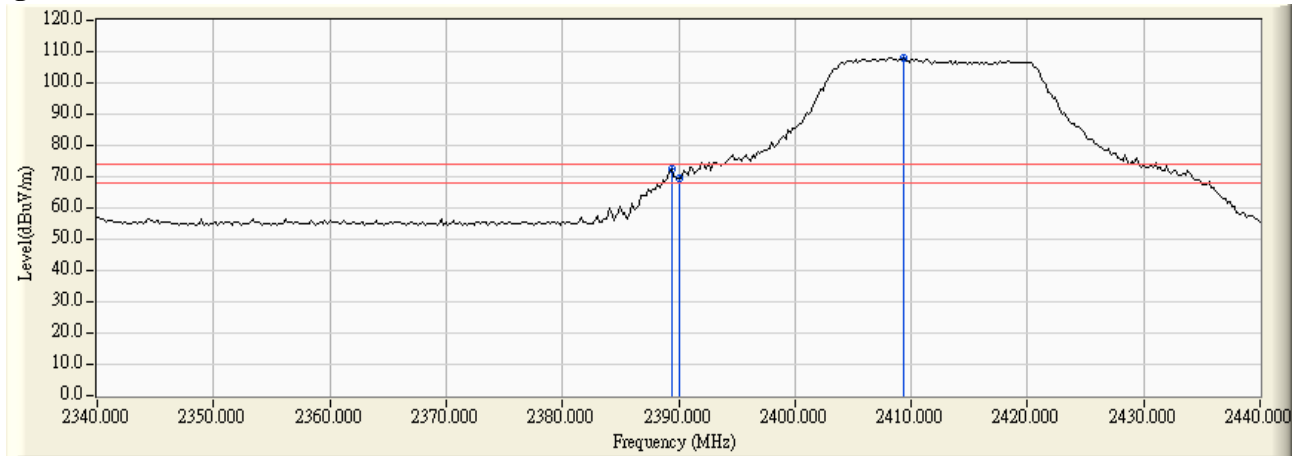


Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 4: Transmit - 802.11n-20BW\_14.4Mbps(2.4G Band)(Dipole Antenna)

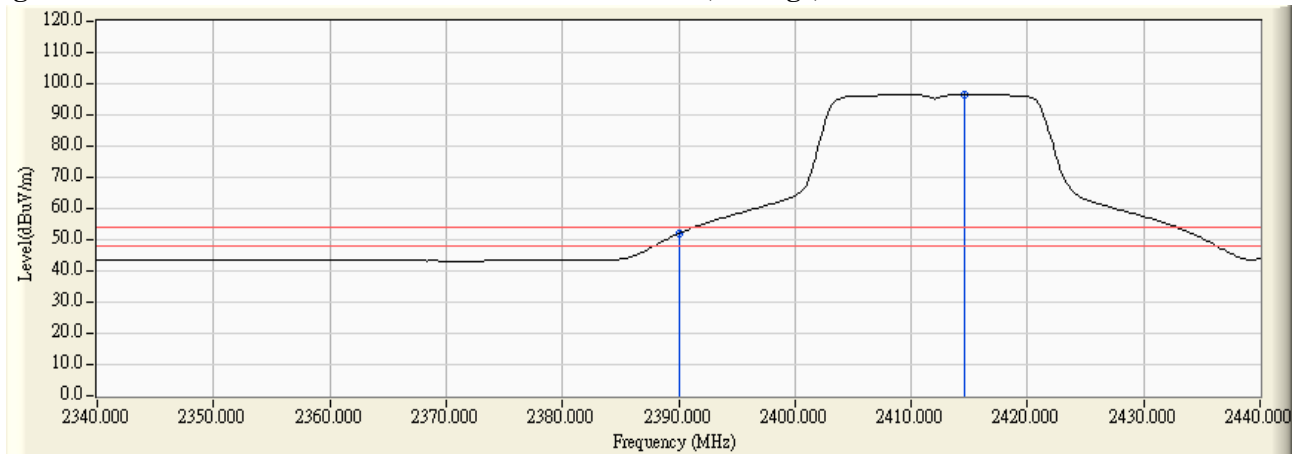
**RF Radiated Measurement (Vertical):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2389.400	30.271	42.441	72.712	74.00	54.00	Pass
01 (Peak)	2390.000	30.267	39.044	69.311	74.00	54.00	Pass
01 (Peak)	2409.400	30.245	77.815	108.059	--	--	--
01 (Average)	2390.000	30.267	21.684	51.951	74.00	54.00	Pass
01 (Average)	2414.600	30.261	66.131	96.392	--	--	--

**Figure Channel 01: Vertical (Peak)**



**Figure Channel 01: Vertical (Average)**



## Note:

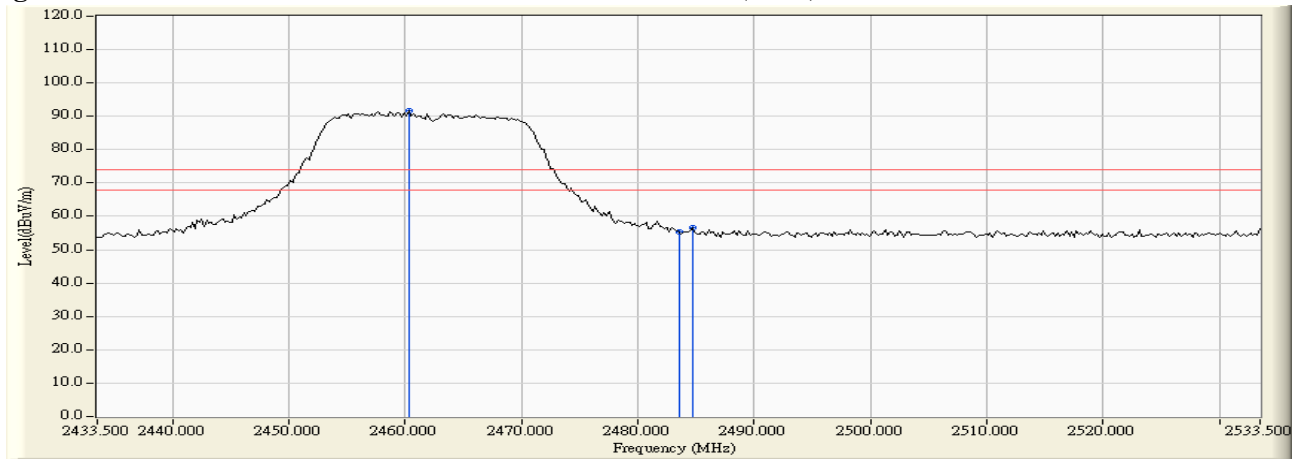
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 4: Transmit - 802.11n-20BW\_14.4Mbps(2.4G Band)(Dipole Antenna)

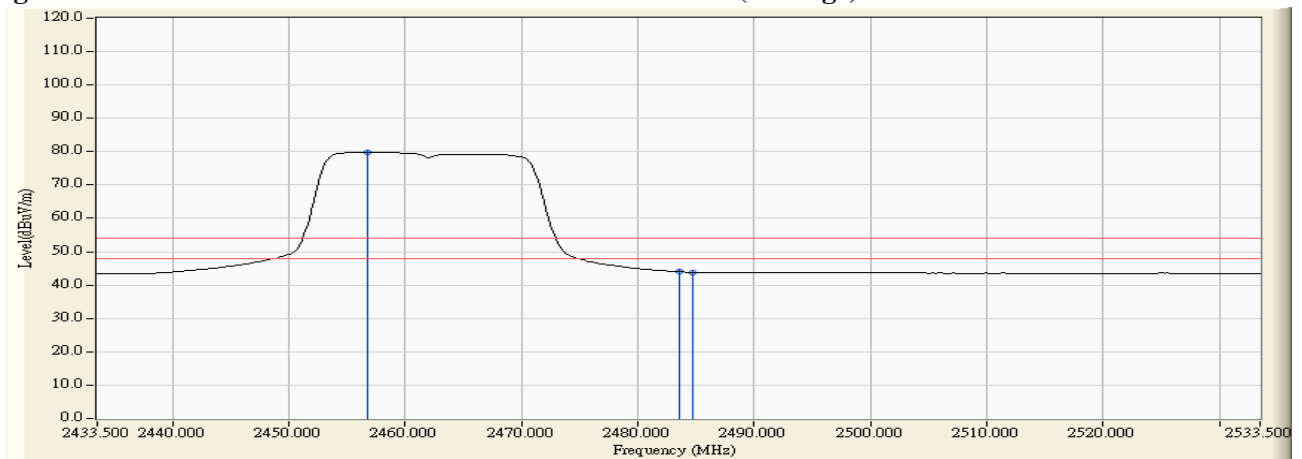
**RF Radiated Measurement (Horizontal):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11 (Peak)	2460.300	31.888	59.663	91.551	--	--	--
11 (Peak)	2483.500	31.951	23.362	55.312	74.00	54.00	Pass
11 (Peak)	2484.700	31.954	24.651	56.604	74.00	54.00	Pass
11 (Average)	2456.700	31.879	47.987	79.866	--	--	--
11 (Average)	2483.500	31.951	12.030	43.980	74.00	54.00	Pass
11 (Average)	2484.700	31.954	11.858	43.811	74.00	54.00	Pass

**Figure Channel 11: Horizontal (Peak)**



**Figure Channel 11: Horizontal (Average)**



## Note:

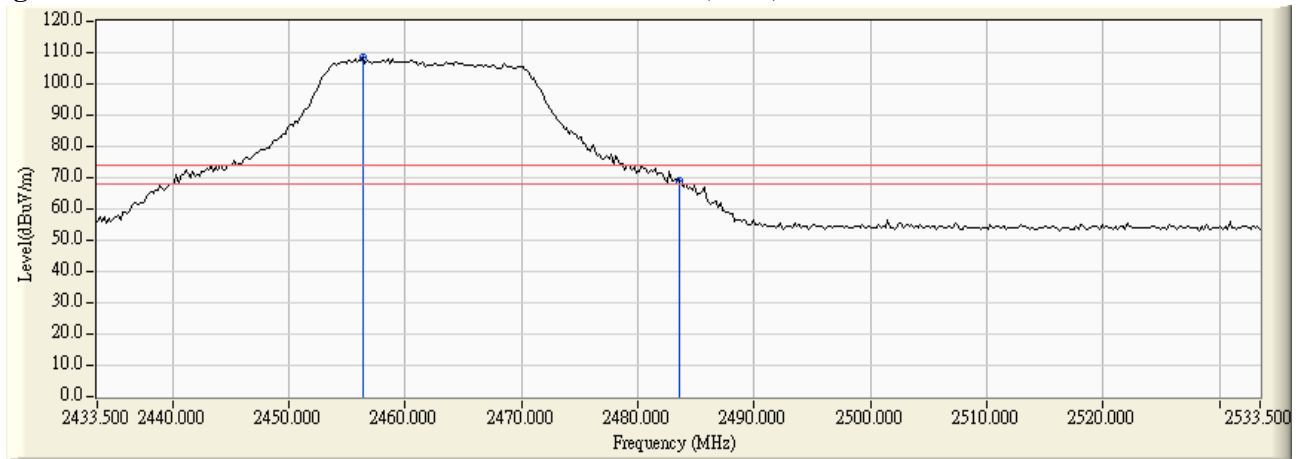
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 4: Transmit - 802.11n-20BW\_14.4Mbps(2.4G Band)(Dipole Antenna)

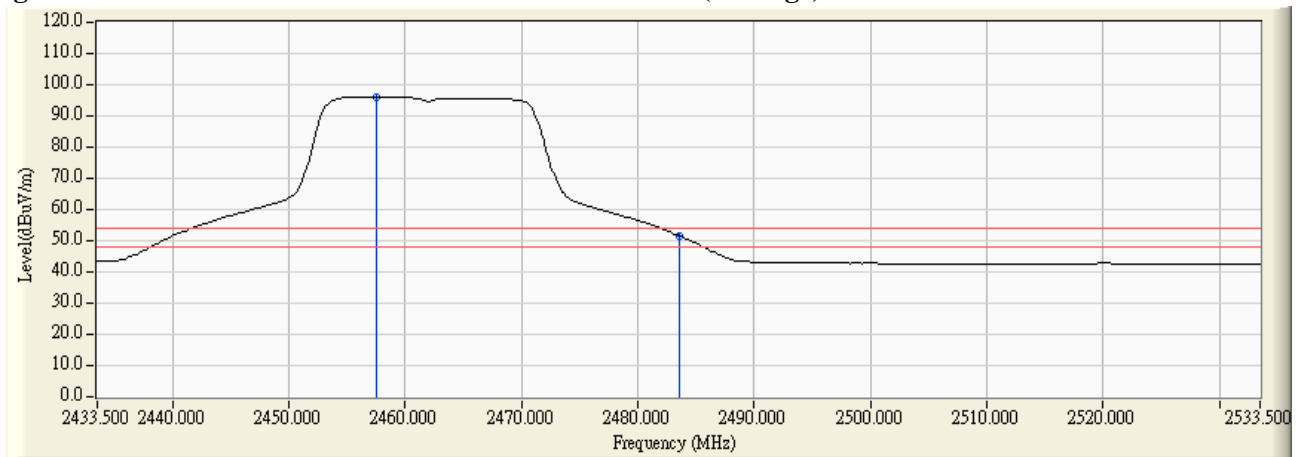
**RF Radiated Measurement (Vertical):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11 (Peak)	2456.300	30.453	78.237	108.690	--	--	--
11 (Peak)	2483.500	30.586	38.459	69.044	74.00	54.00	Pass
11 (Average)	2457.500	30.459	65.545	96.004	--	--	--
11 (Average)	2483.500	30.586	21.042	51.627	74.00	54.00	Pass

**Figure Channel 11: Vertical (Peak)**



**Figure Channel 11: Vertical (Average)**





## Note:

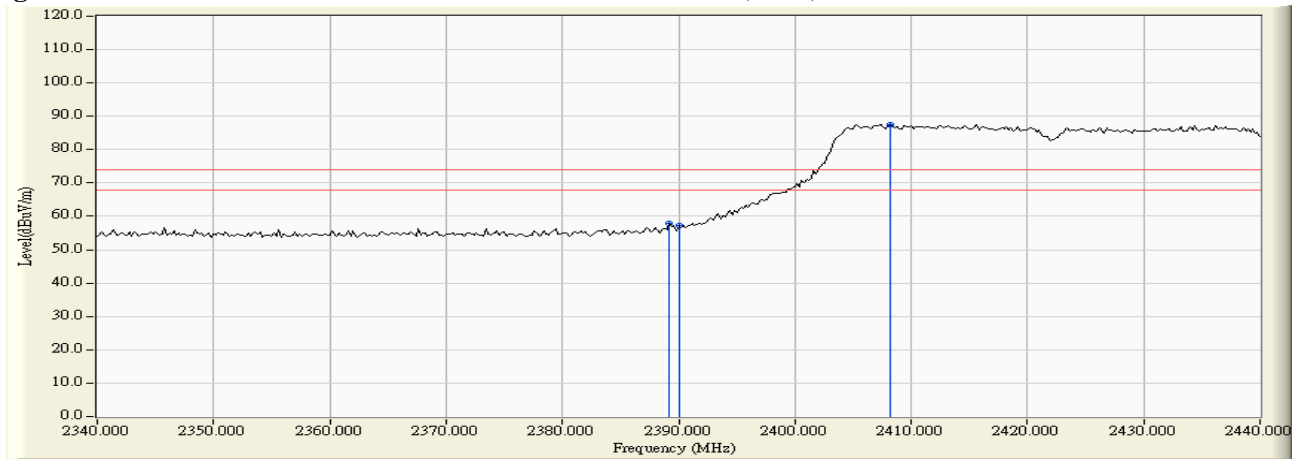
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 5: Transmit - 802.11n-40BW\_30Mbps(2.4G Band)(Dipole Antenna)

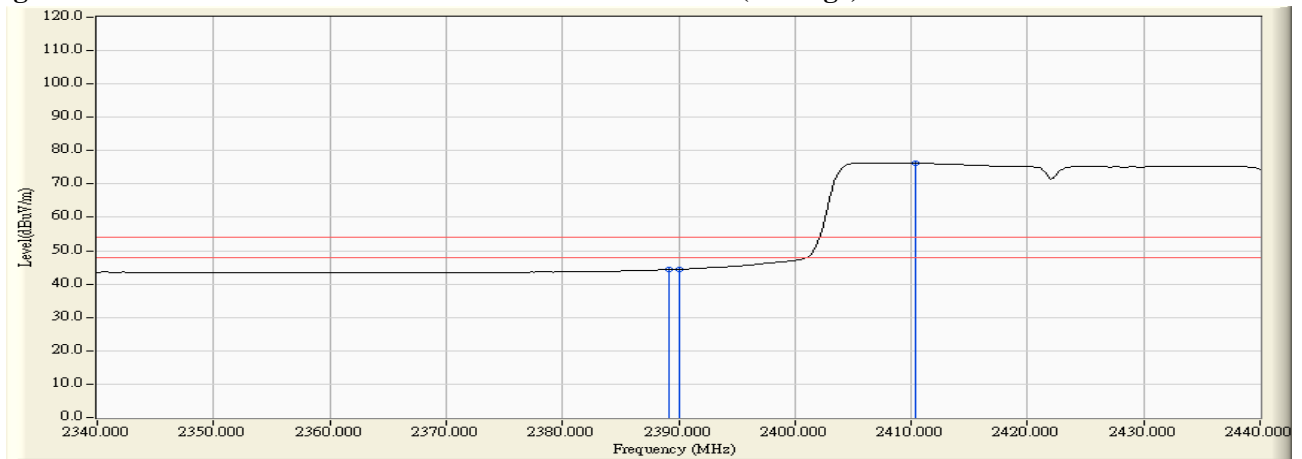
**RF Radiated Measurement (Horizontal):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2389.200	31.739	26.030	57.768	74.00	54.00	Pass
01 (Peak)	2390.000	31.739	25.430	57.169	74.00	54.00	Pass
01 (Peak)	2408.200	31.765	55.892	87.657	--	--	--
01 (Average)	2389.200	31.739	12.601	44.339	74.00	54.00	Pass
01 (Average)	2390.000	31.739	12.719	44.458	74.00	54.00	Pass
01 (Average)	2410.400	31.768	44.450	76.218	--	--	--

**Figure Channel 01: Horizontal (Peak)**



**Figure Channel 01: Horizontal (Average)**



## Note:

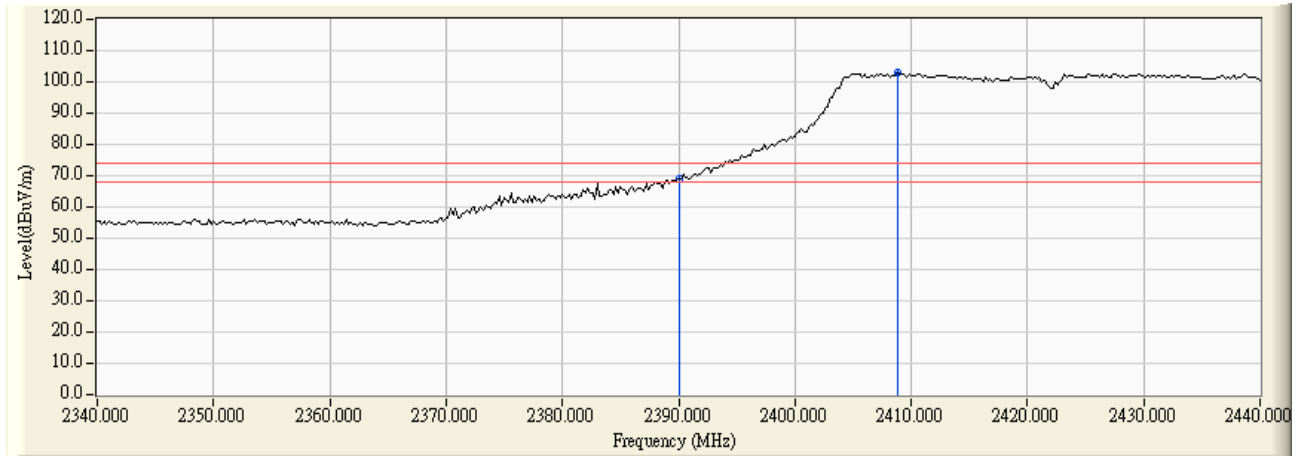
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 5: Transmit - 802.11n-40BW\_30Mbps(2.4G Band)(Dipole Antenna)

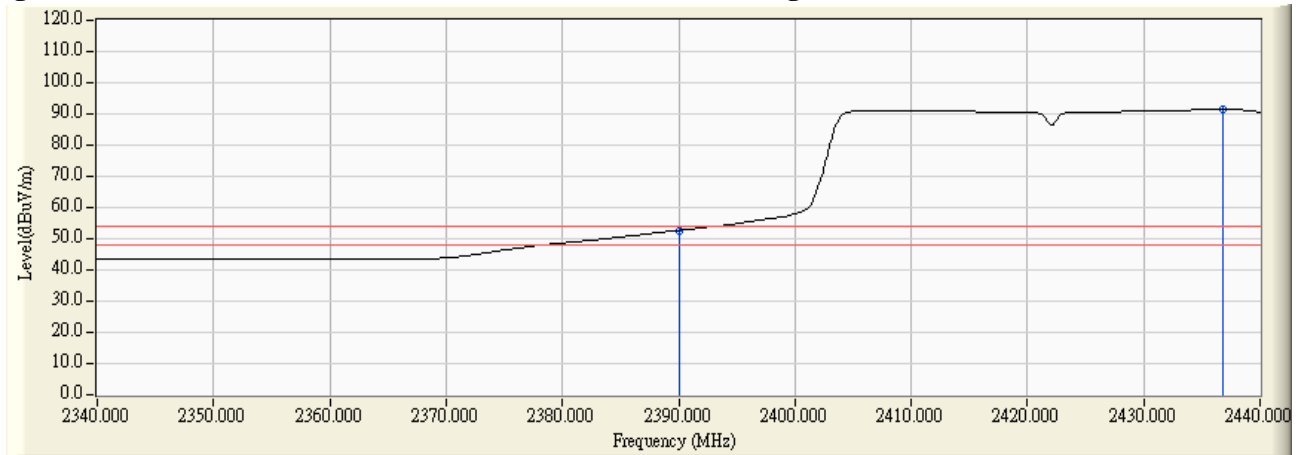
**RF Radiated Measurement (Vertical):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2390.000	30.267	38.662	68.929	74.00	54.00	Pass
01 (Peak)	2408.800	30.244	72.687	102.931	--	--	--
01 (Average)	2390.000	30.267	22.404	52.671	74.00	54.00	Pass
01 (Average)	2436.800	30.360	61.010	91.371	--	--	--

**Figure Channel 01: Vertical (Peak)**



**Figure Channel 01: Vertical (Average)**



## Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

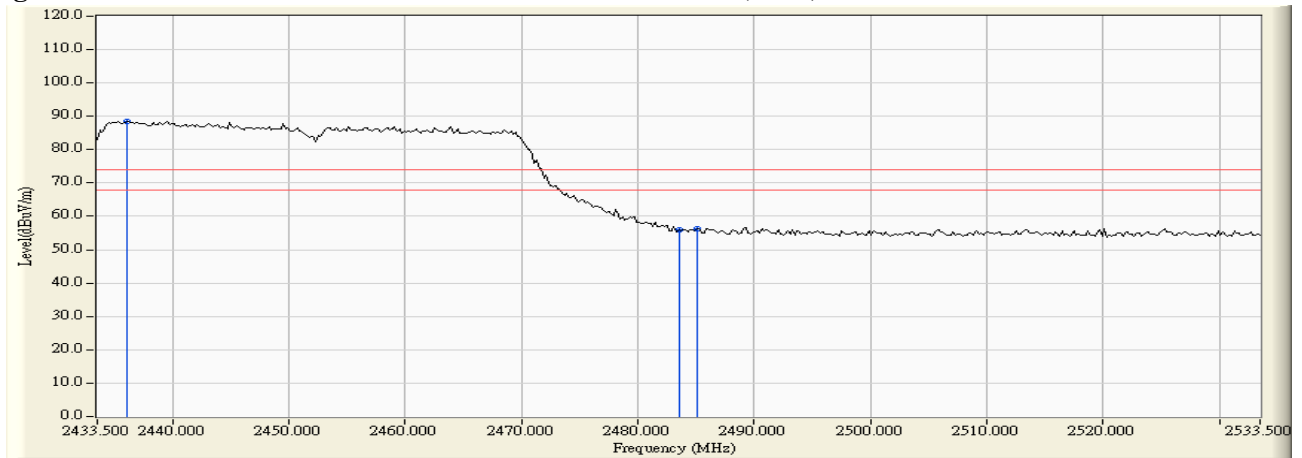


Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 5: Transmit - 802.11n-40BW\_30Mbps(2.4G Band)(Dipole Antenna)

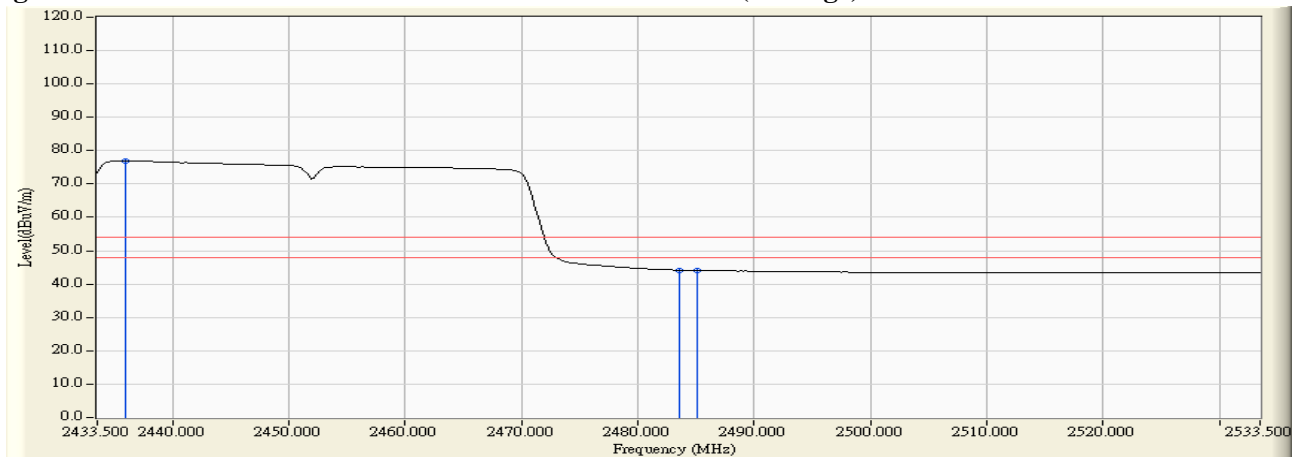
**RF Radiated Measurement (Horizontal):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBUV)	Emission Level (dBUV/m)	Peak Limit (dBUV/m)	Average Limit (dBUV/m)	Result
07 (Peak)	2436.100	31.828	56.607	88.436	--	--	--
07 (Peak)	2483.500	31.951	23.967	55.917	74.00	54.00	Pass
07 (Peak)	2485.100	31.954	24.403	56.357	74.00	54.00	Pass
07 (Average)	2435.900	31.828	45.150	76.978	--	--	--
07 (Average)	2483.500	31.951	12.235	44.185	74.00	54.00	Pass
07 (Average)	2485.100	31.954	12.126	44.080	74.00	54.00	Pass

**Figure Channel 07: Horizontal (Peak)**



**Figure Channel 07: Horizontal (Average)**



## Note:

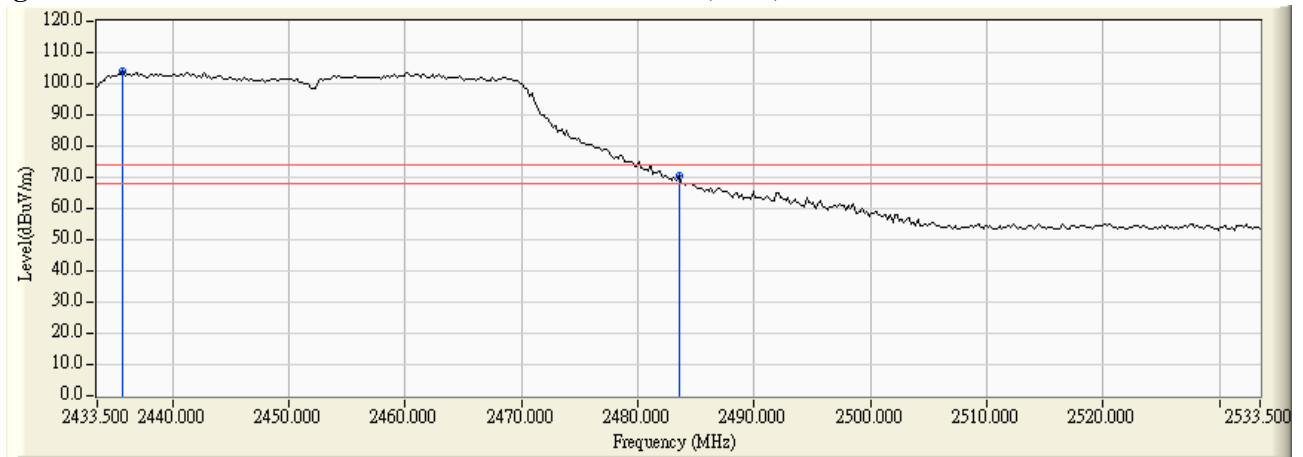
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 5: Transmit - 802.11n-40BW\_30Mbps(2.4G Band)(Dipole Antenna)

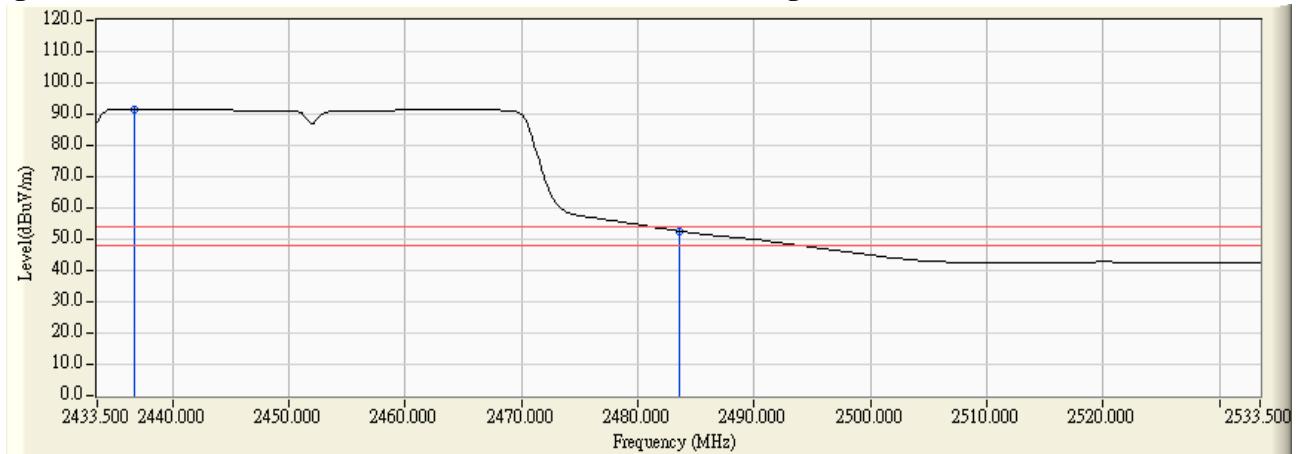
**RF Radiated Measurement (Vertical):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
07 (Peak)	2435.700	30.356	73.571	103.927	--	--	--
07 (Peak)	2483.500	30.586	39.932	70.517	74.00	54.00	Pass
07 (Average)	2436.700	30.360	61.275	91.636	--	--	--
07 (Average)	2483.500	30.586	21.954	52.539	74.00	54.00	Pass

**Figure Channel 07: Vertical (Peak)**



**Figure Channel 01: Vertical (Average)**



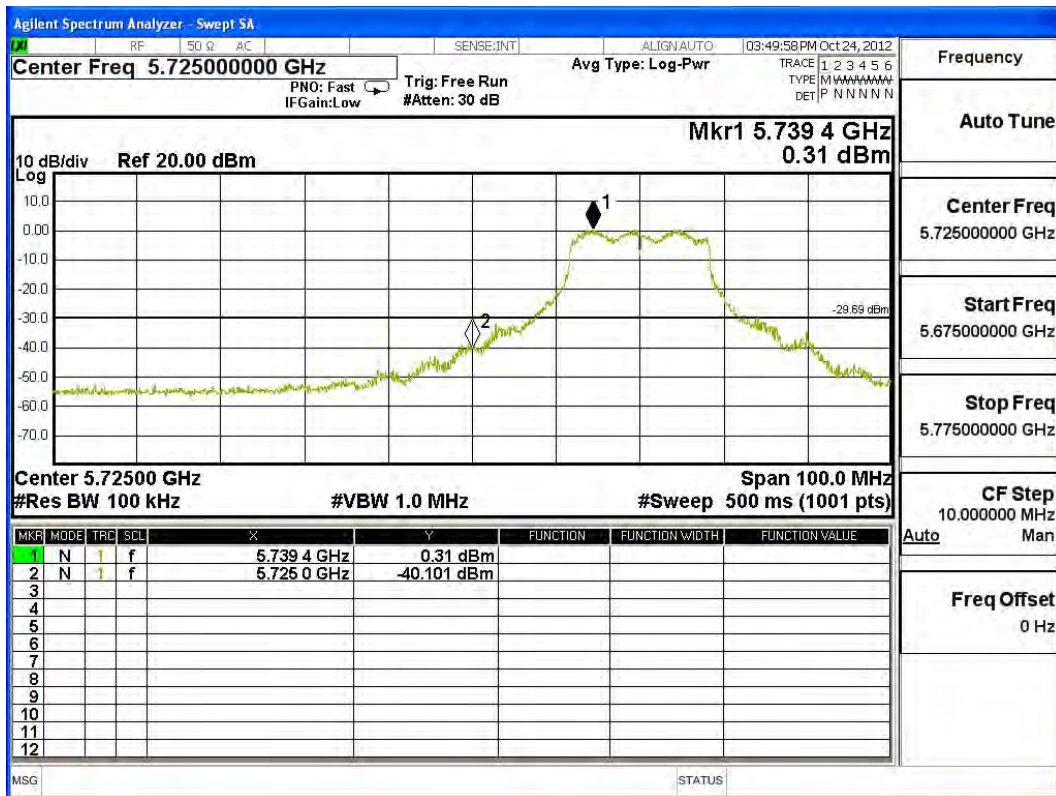
## Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmit - 802.11a 6Mbps(Dipole Antenna)

Chain A

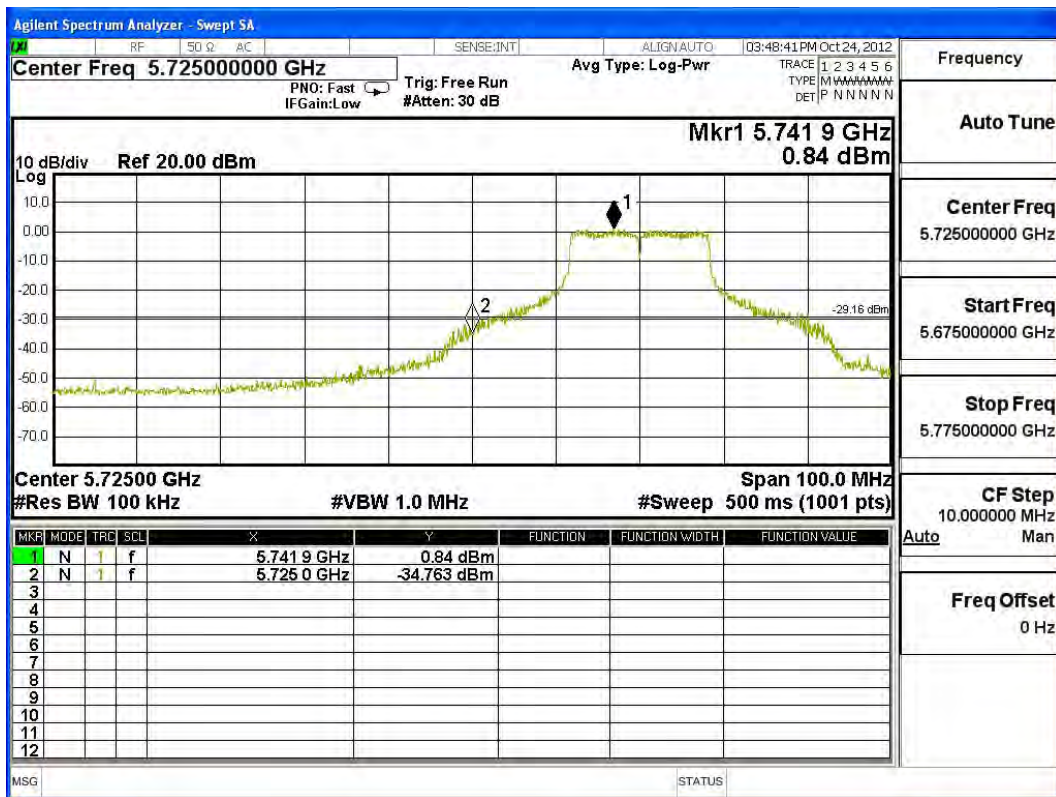
Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5745	40.411	>30	PASS



Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmit - 802.11a 6Mbps(Dipole Antenna)

Chain B

Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5745	35.603	>30	PASS





Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmit - 802.11a 6Mbps(Dipole Antenna)

**Chain A**

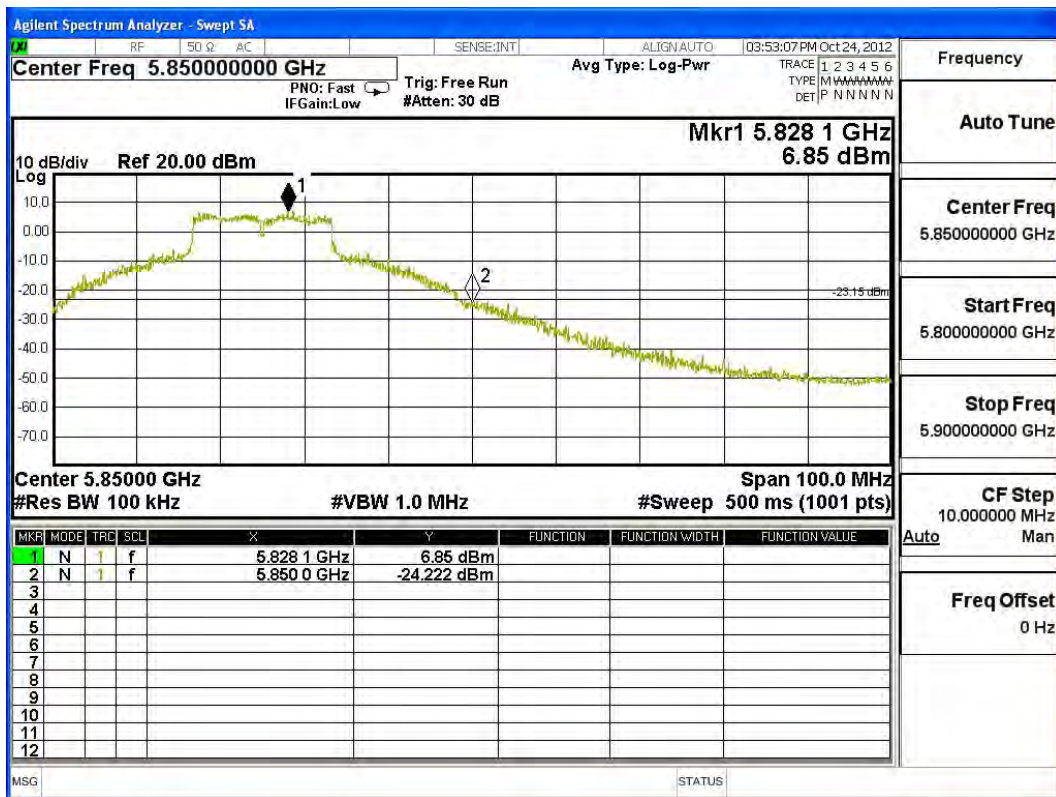
Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5825	32.50	>30	PASS



Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmit - 802.11a 6Mbps(Dipole Antenna)

**Chain B**

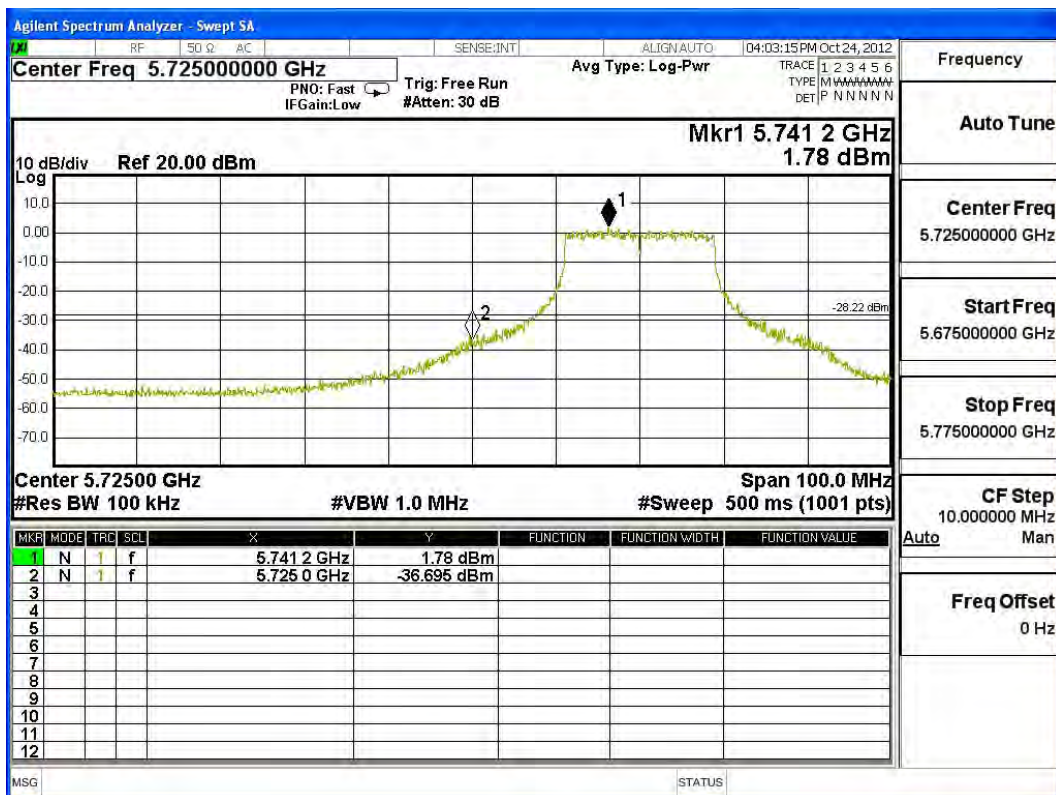
Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5825	31.072	>30	PASS



Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 6: Transmit - 802.11n-20BW\_14.4Mbps(5G Band)(Dipole Antenna)

**Chain A**

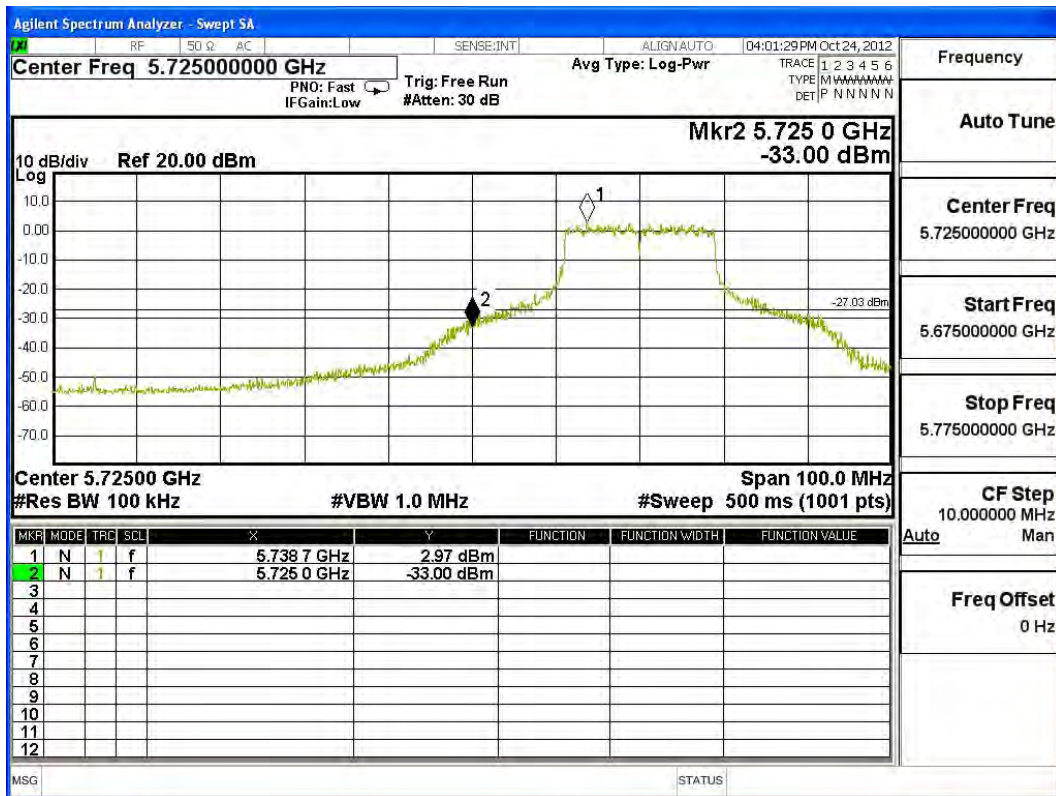
Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5745	38.475	>30	PASS



Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 6: Transmit - 802.11n-20BW\_14.4Mbps(5G Band)(Dipole Antenna)

**Chain B**

Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5745	35.97	>30	PASS

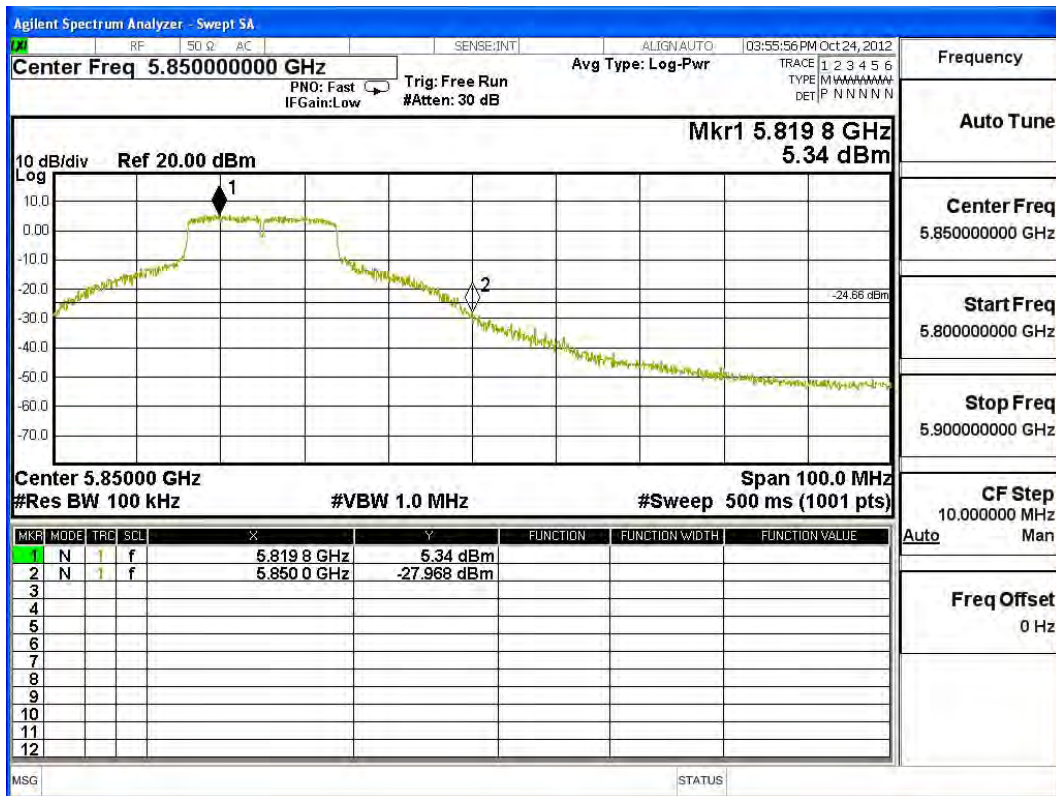




Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 6: Transmit - 802.11n-20BW\_14.4Mbps(5G Band)(Dipole Antenna)

**Chain A**

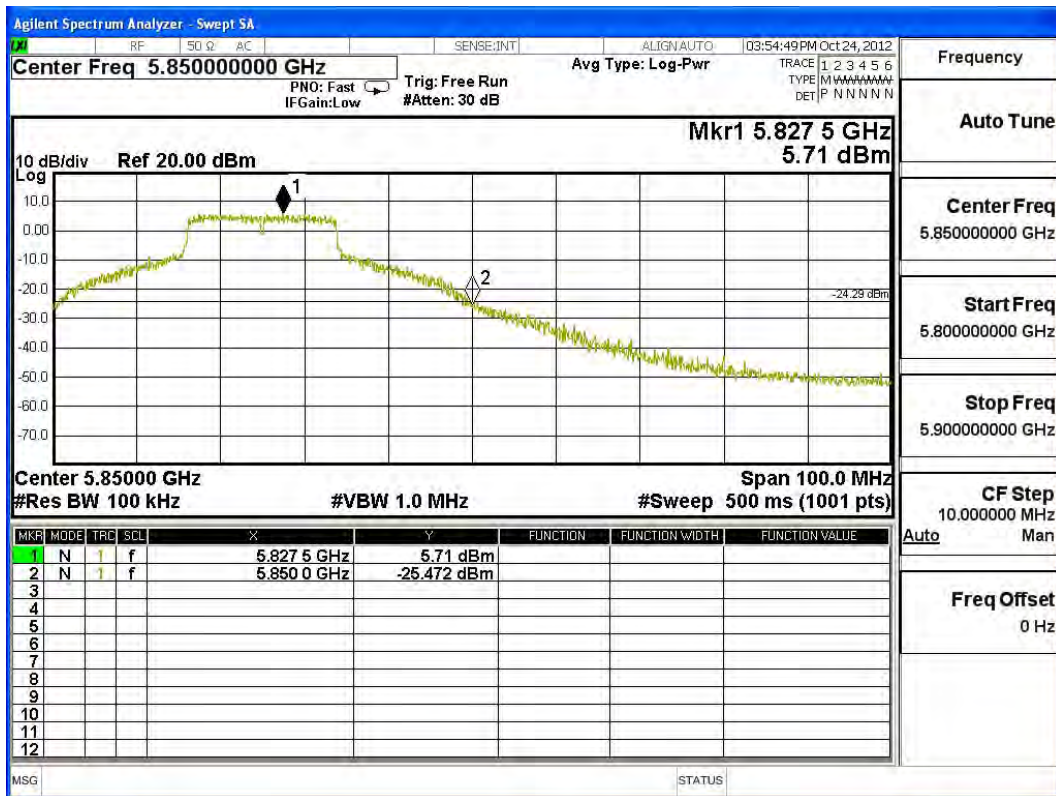
Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5825	33.308	>30	PASS



Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 6: Transmit - 802.11n-20BW\_14.4Mbps(5G Band)(Dipole Antenna)

**Chain B**

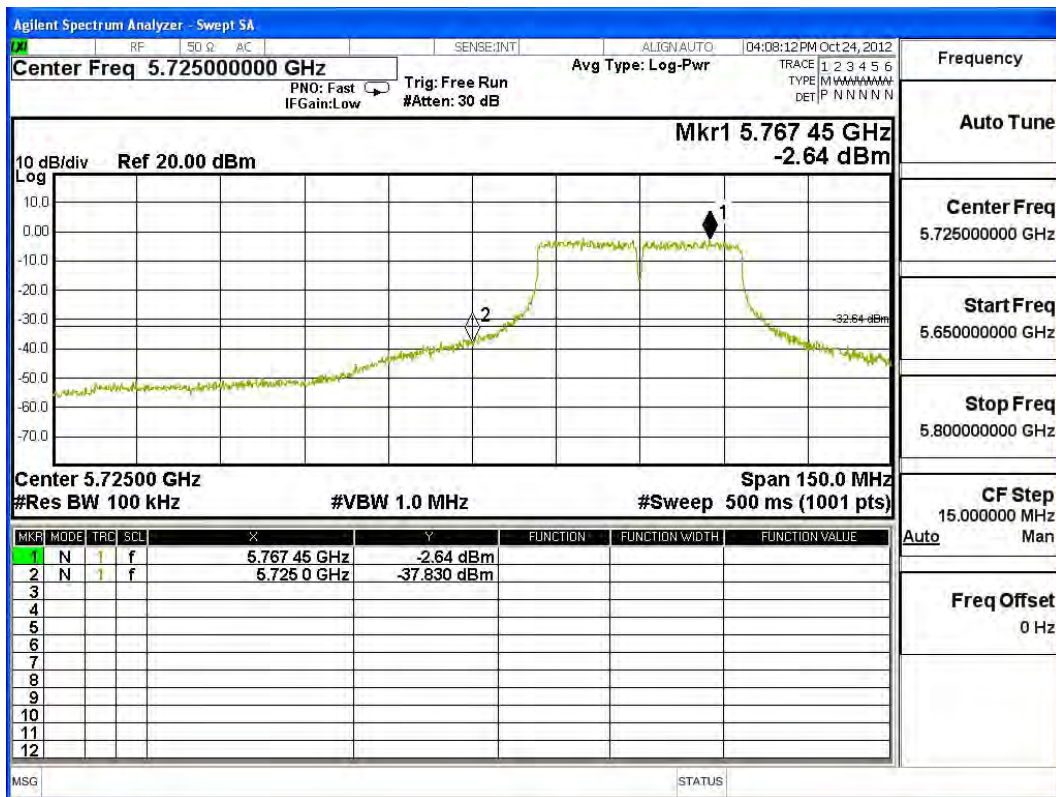
Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5825	31.182	>30	PASS



Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 7: Transmit - 802.11n-40BW\_30Mbps(5G Band)(Dipole Antenna)

**Chain A**

Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5755	35.19	>30	PASS

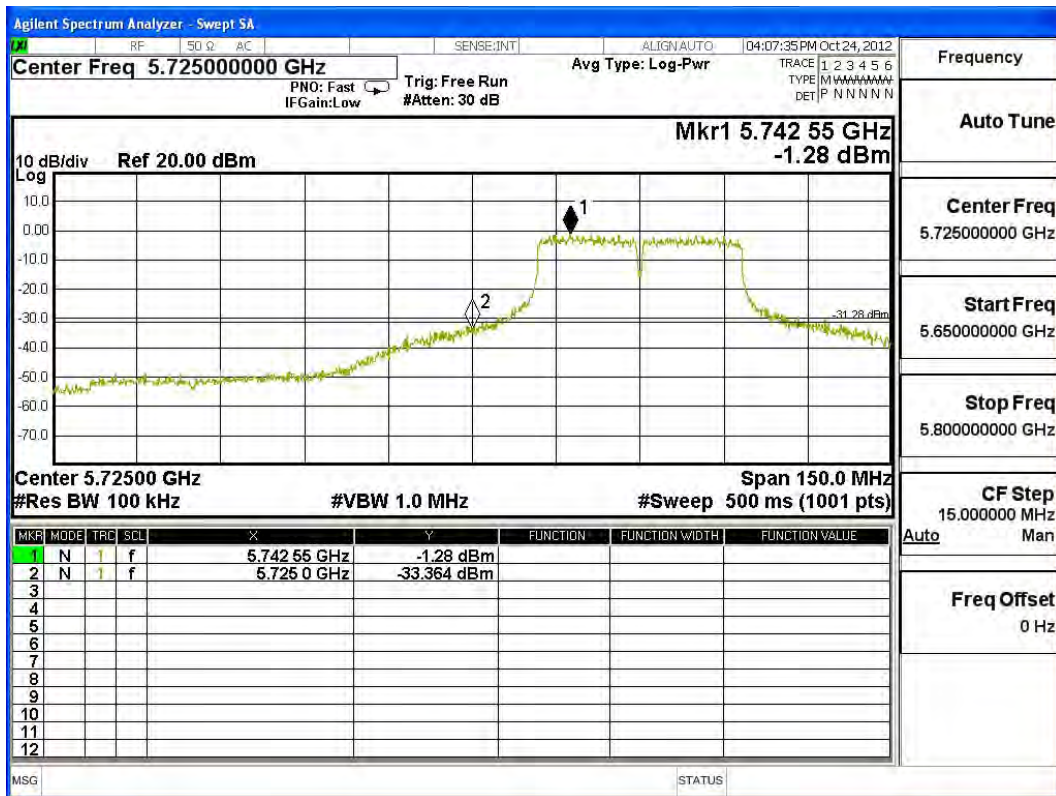




Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 7: Transmit - 802.11n-40BW\_30Mbps(5G Band)(Dipole Antenna)

**Chain B**

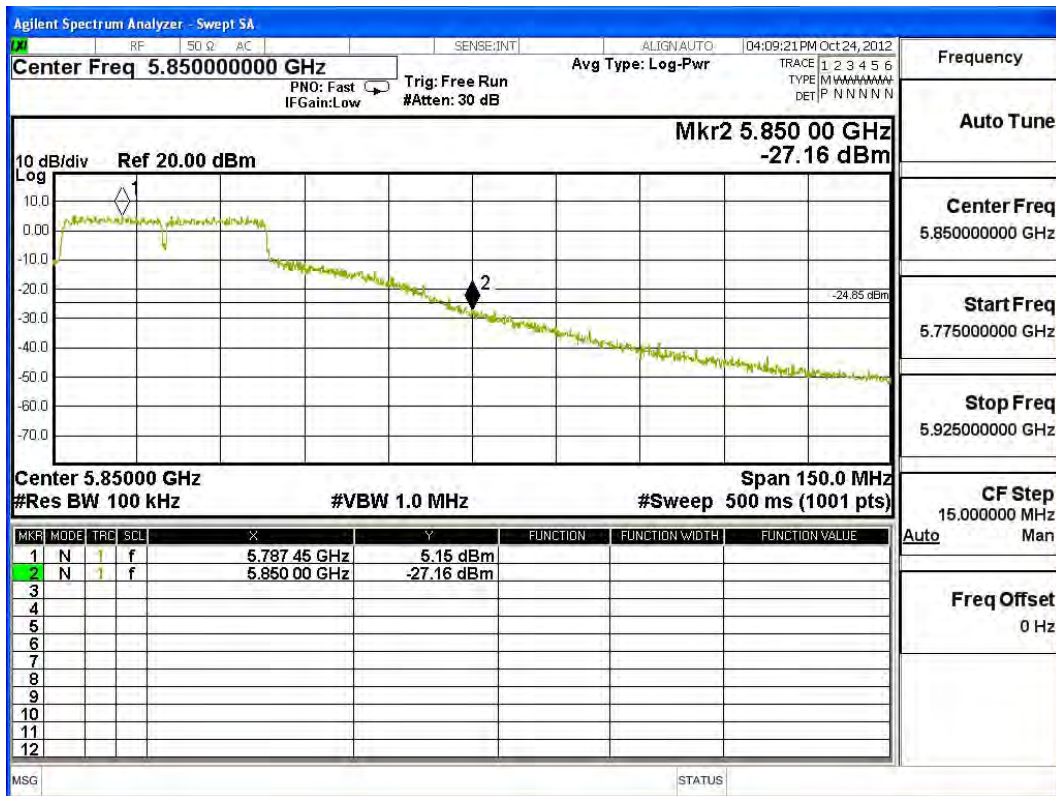
Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5755	32.084	>30	PASS



Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 7: Transmit - 802.11n-40BW\_30Mbps(5G Band)(Dipole Antenna)

**Chain A**

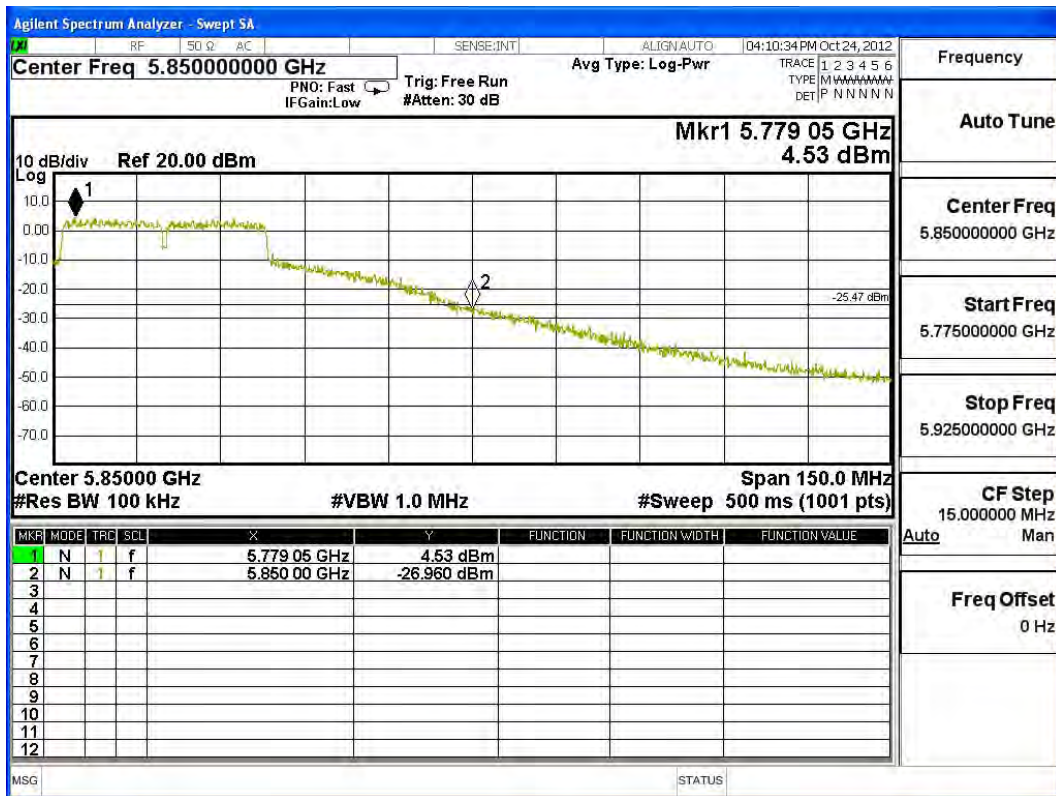
Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5795	32.31	>30	PASS



Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 7: Transmit - 802.11n-40BW\_30Mbps(5G Band)(Dipole Antenna)

**Chain B**

Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5795	31.49	>30	PASS



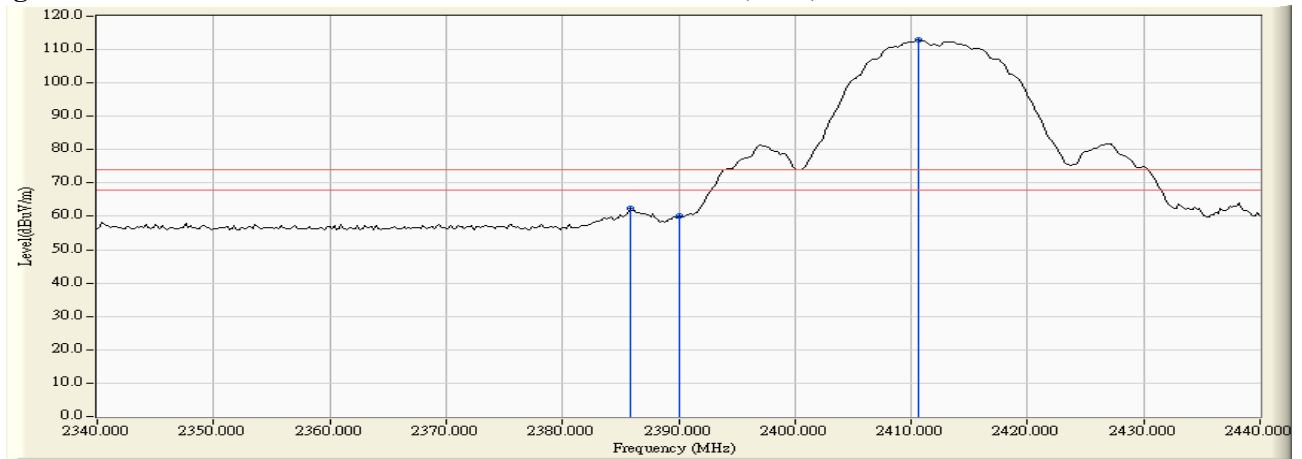
Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 8: Transmit (802.11b 1Mbps)(PIFA Antenna)

**RF Radiated Measurement (Horizontal):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2385.800	31.735	30.528	62.263	74.00	54.00	Pass
01 (Peak)	2390.000	31.739	28.279	60.018	74.00	54.00	Pass
01 (Peak)	2410.600	31.769	80.995	112.764	--	--	--
01 (Average)	2386.400	31.736	21.394	53.130	74.00	54.00	Pass
01 (Average)	2390.000	31.739	16.122	47.861	74.00	54.00	Pass
01 (Average)	2411.200	31.770	77.295	109.065	--	--	--

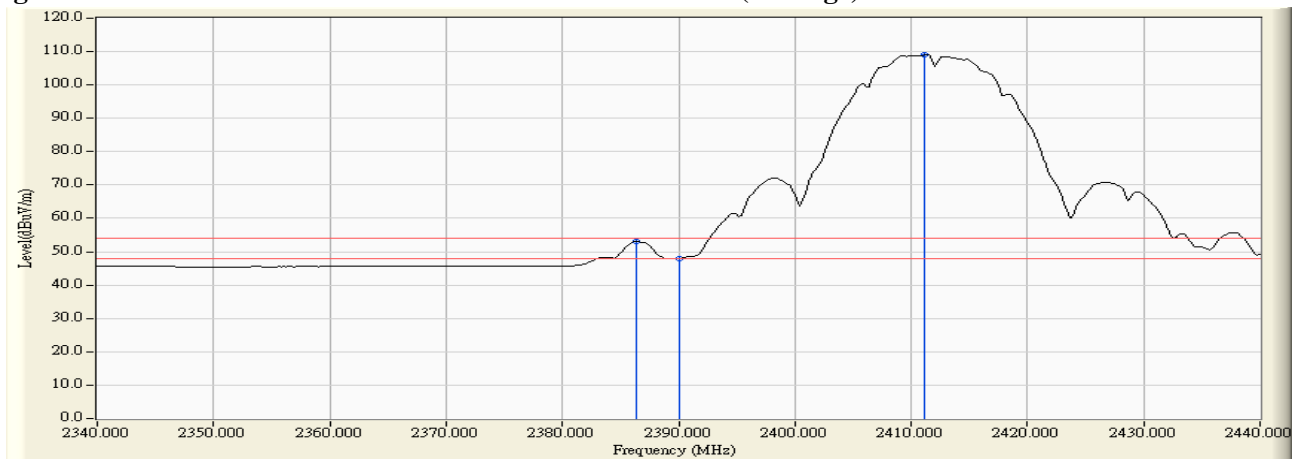
**Figure Channel 01:**

**Horizontal (Peak)**



**Figure Channel 01:**

**Horizontal (Average)**



## Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

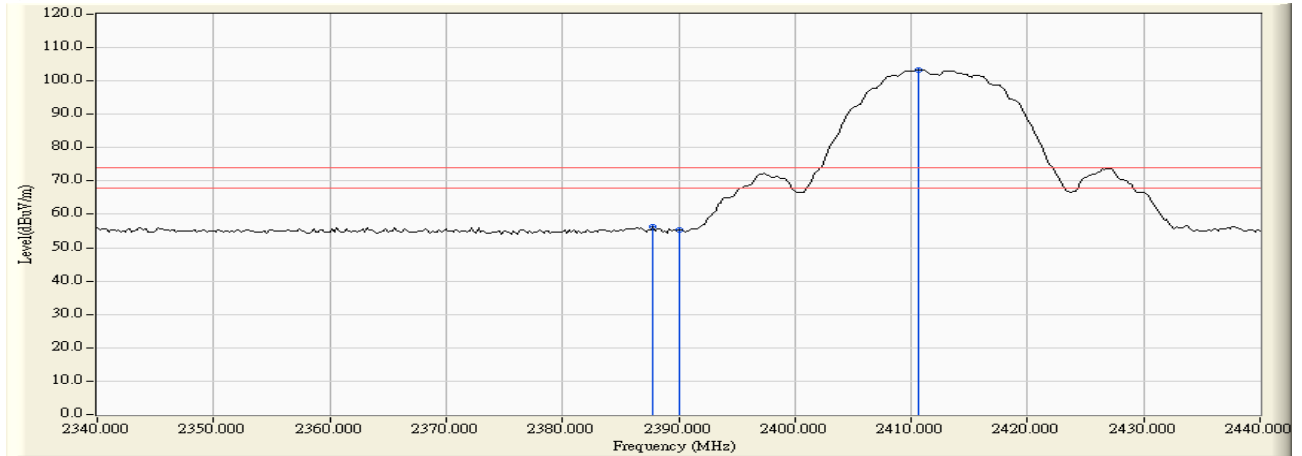
Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 8: Transmit (802.11b 1Mbps)(PIFA Antenna)

**RF Radiated Measurement (Vertical):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2387.800	30.282	26.034	56.316	74.00	54.00	Pass
01 (Peak)	2390.000	30.267	25.023	55.290	74.00	54.00	Pass
01 (Peak)	2410.600	30.244	73.182	103.426	--	--	--
01 (Average)	2386.400	30.292	14.969	45.261	74.00	54.00	Pass
01 (Average)	2390.000	30.267	13.849	44.116	74.00	54.00	Pass
01 (Average)	2411.200	30.245	69.319	99.564	--	--	--

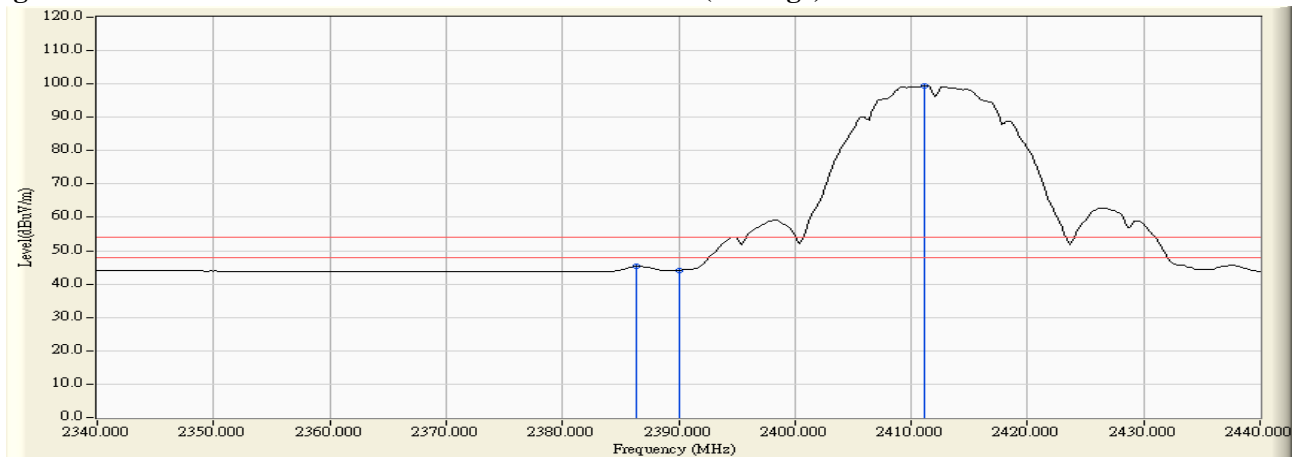
**Figure Channel 01:**

**Vertical (Peak)**



**Figure Channel 01:**

**Vertical (Average)**



## Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

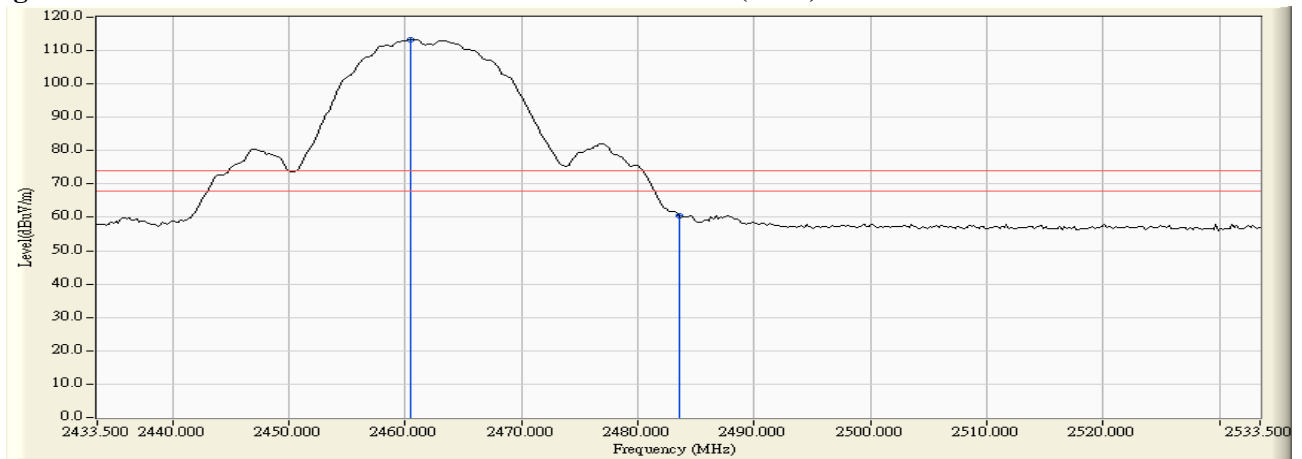


Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 8: Transmit (802.11b 1Mbps)(PIFA Antenna)

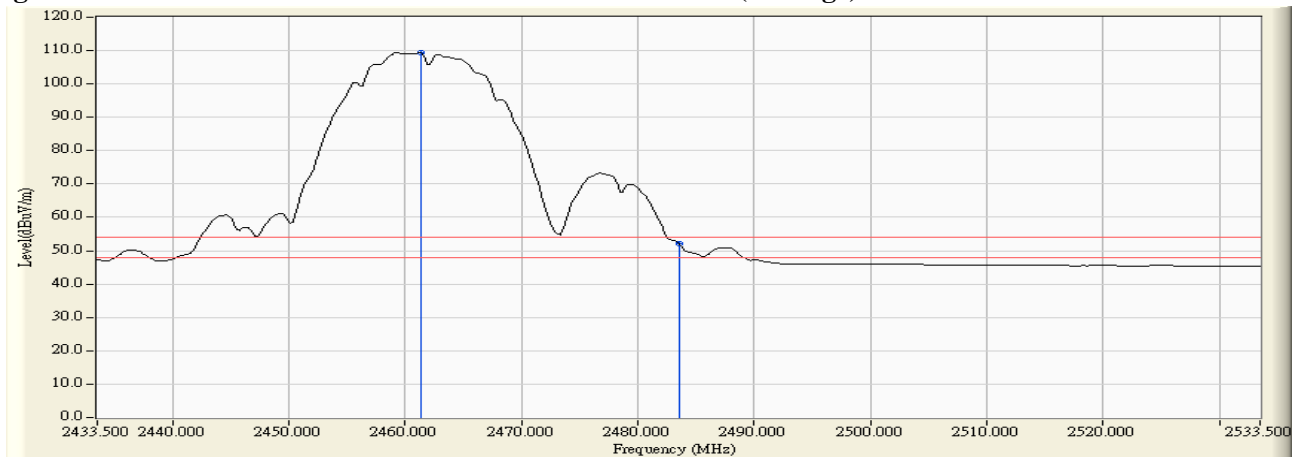
**RF Radiated Measurement (Horizontal):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11 (Peak)	2460.500	31.889	81.335	113.224	--	--	--
11 (Peak)	2483.500	31.951	28.456	60.406	74.00	54.00	Pass
11 (Average)	2461.300	31.890	77.547	109.438	--	--	--
11 (Average)	2483.500	31.951	20.300	52.250	74.00	54.00	Pass

**Figure Channel 11: Horizontal (Peak)**



**Figure Channel 11: Horizontal (Average)**



## Note:

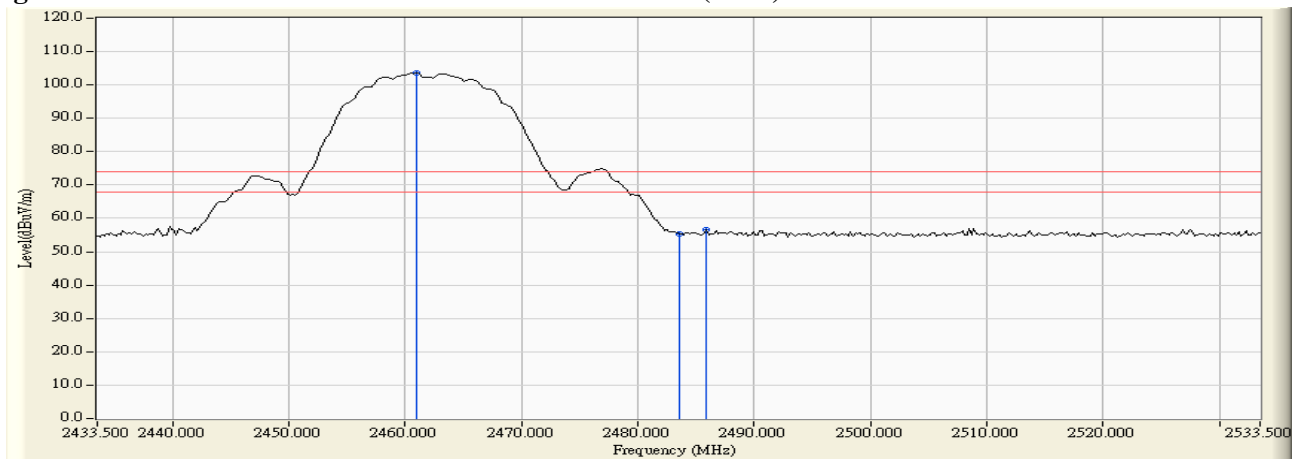
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 8: Transmit (802.11b 1Mbps)(PIFA Antenna)

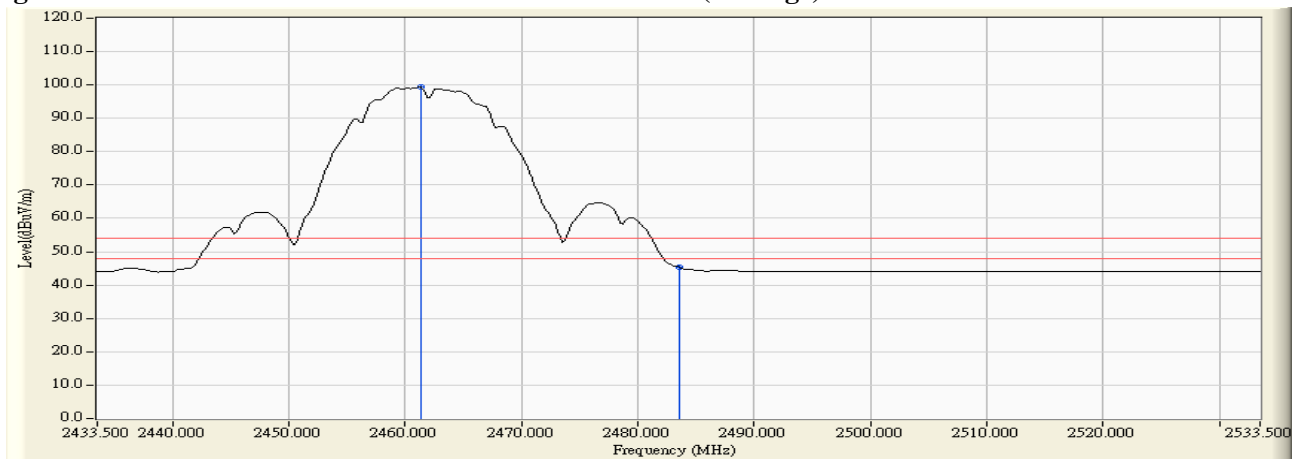
**RF Radiated Measurement (Vertical):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11 (Peak)	2460.900	30.476	73.084	103.559	--	--	--
11 (Peak)	2483.500	30.586	24.753	55.338	74.00	54.00	Pass
11 (Peak)	2485.900	30.596	26.178	56.775	74.00	54.00	Pass
11 (Average)	2461.300	30.477	68.850	99.327	--	--	--
11 (Average)	2483.500	30.586	14.740	45.325	74.00	54.00	Pass

**Figure Channel 11: Vertical (Peak)**



**Figure Channel 11: Vertical (Average)**



## Note:

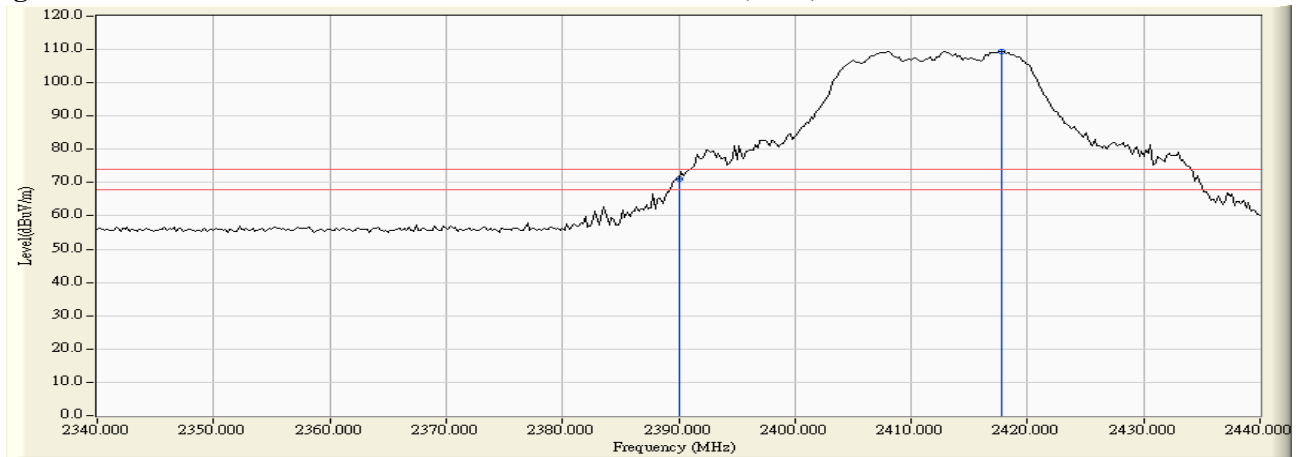
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 9: Transmit (802.11g 6Mbps)(PIFA Antenna)

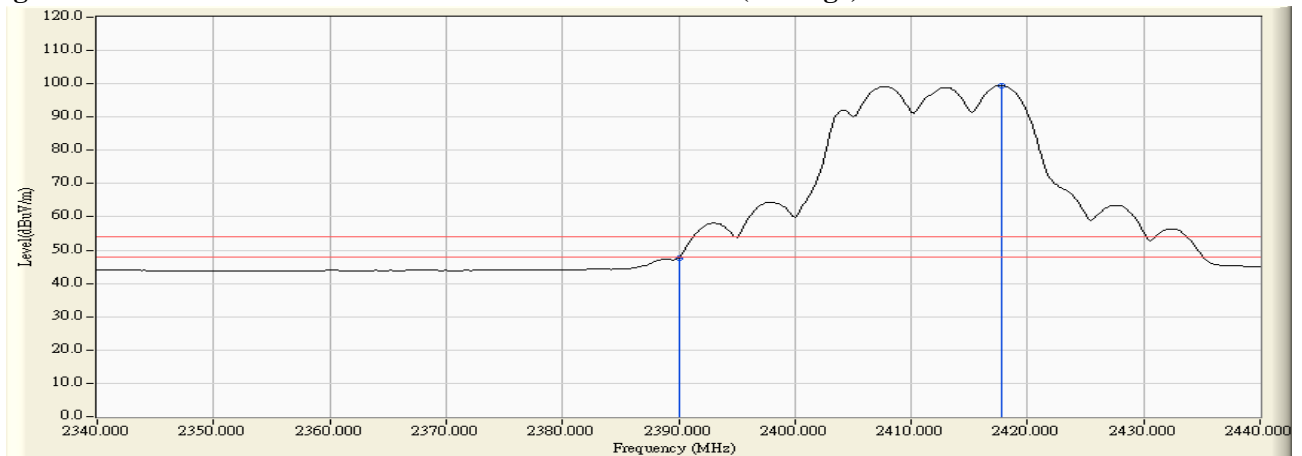
**RF Radiated Measurement (Horizontal):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2390.000	31.739	39.408	71.147	74.00	54.00	Pass
01 (Peak)	2417.800	31.786	77.651	109.437	--	--	--
01(Average)	2390.000	31.739	16.010	47.749	74.00	54.00	Pass
01(Average)	2417.800	31.786	67.592	99.378	--	--	--

**Figure Channel 01: Horizontal (Peak)**



**Figure Channel 01: Horizontal (Average)**



## Note:

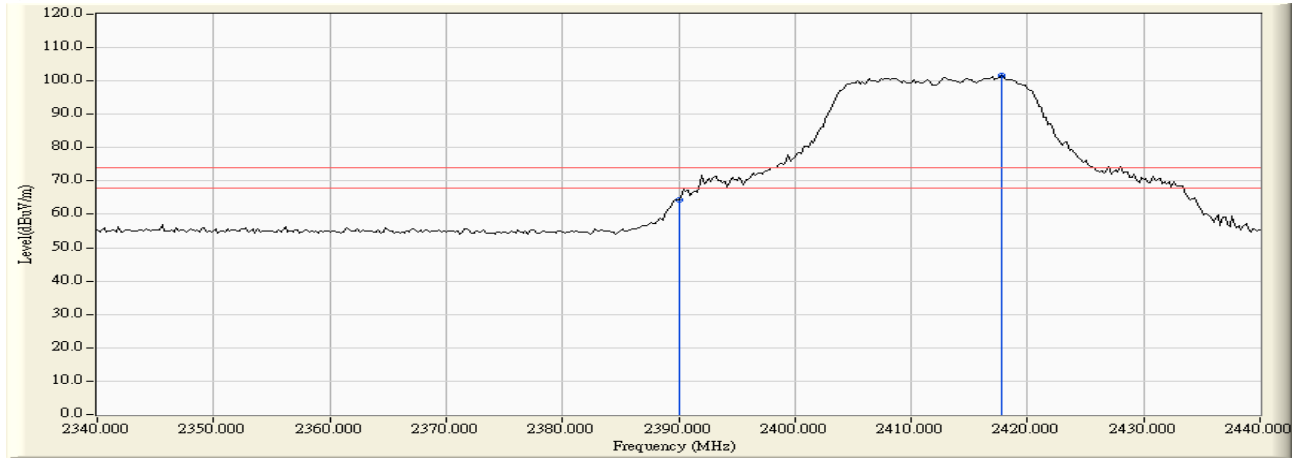
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 9: Transmit (802.11g 6Mbps)(PIFA Antenna)

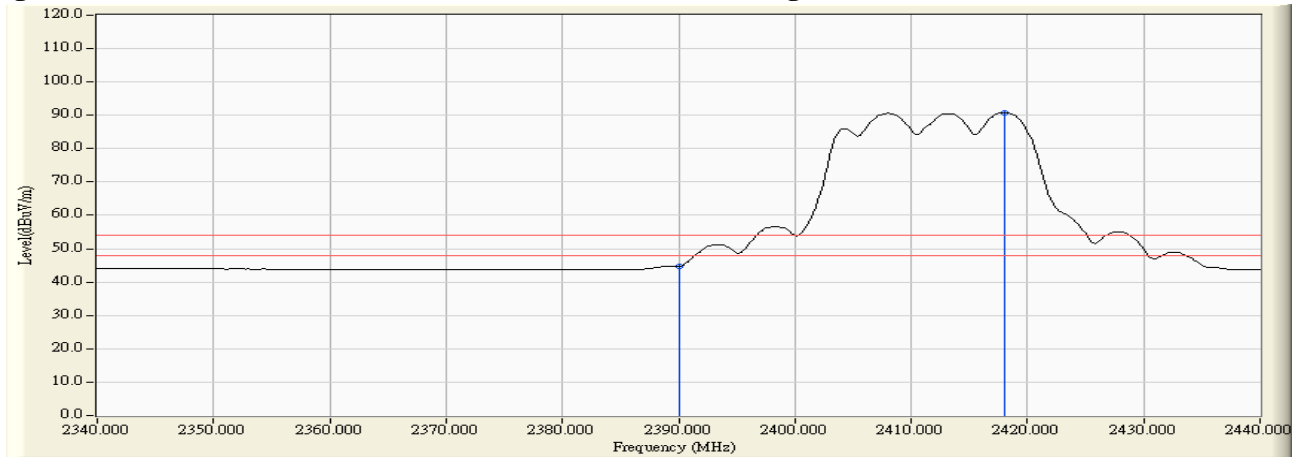
**RF Radiated Measurement (Vertical):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2390.000	30.267	34.096	64.363	74.00	54.00	Pass
01 (Peak)	2417.800	30.276	71.290	101.565	--	--	--
01 (Average)	2390.000	30.267	14.426	44.693	74.00	54.00	Pass
01 (Average)	2418.000	30.276	60.483	90.759	--	--	--

**Figure Channel 01: Vertical (Peak)**



**Figure Channel 01: Vertical (Average)**





## Note:

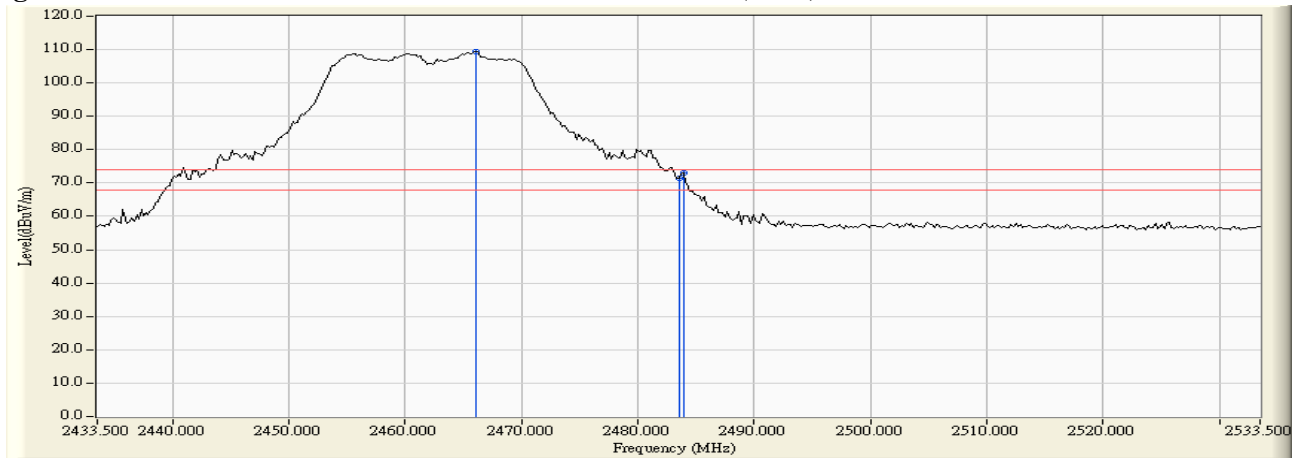
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 9: Transmit (802.11g 6Mbps)(PIFA Antenna)

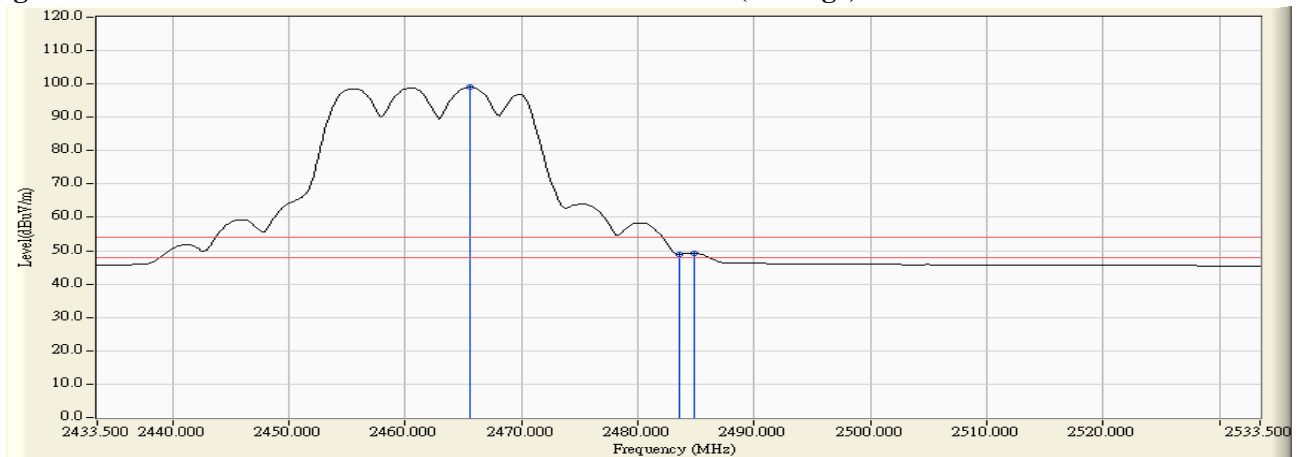
**RF Radiated Measurement (Horizontal):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11 (Peak)	2466.100	31.904	77.541	109.444	--	--	--
11 (Peak)	2483.500	31.951	39.322	71.272	74.00	54.00	Pass
11 (Peak)	2483.900	31.951	41.020	72.971	74.00	54.00	Pass
11 (Average)	2465.500	31.901	67.041	98.943	--	--	--
11 (Average)	2483.500	31.951	16.843	48.793	74.00	54.00	Pass
11 (Average)	2484.900	31.954	17.338	49.292	74.00	54.00	Pass

**Figure Channel 11: Horizontal (Peak)**



**Figure Channel 11: Horizontal (Average)**



## Note:

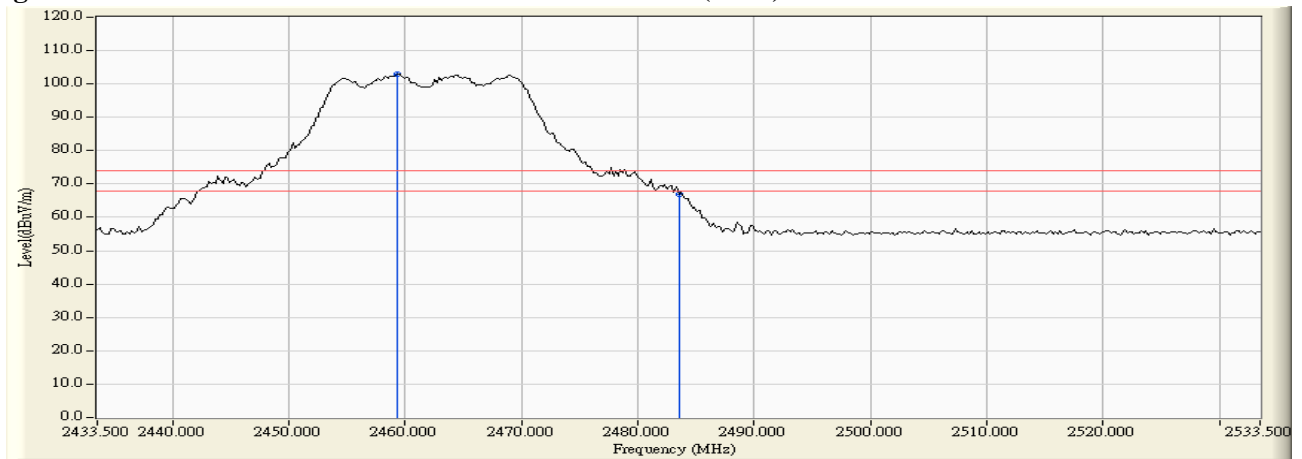
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 9: Transmit (802.11g 6Mbps)(PIFA Antenna)

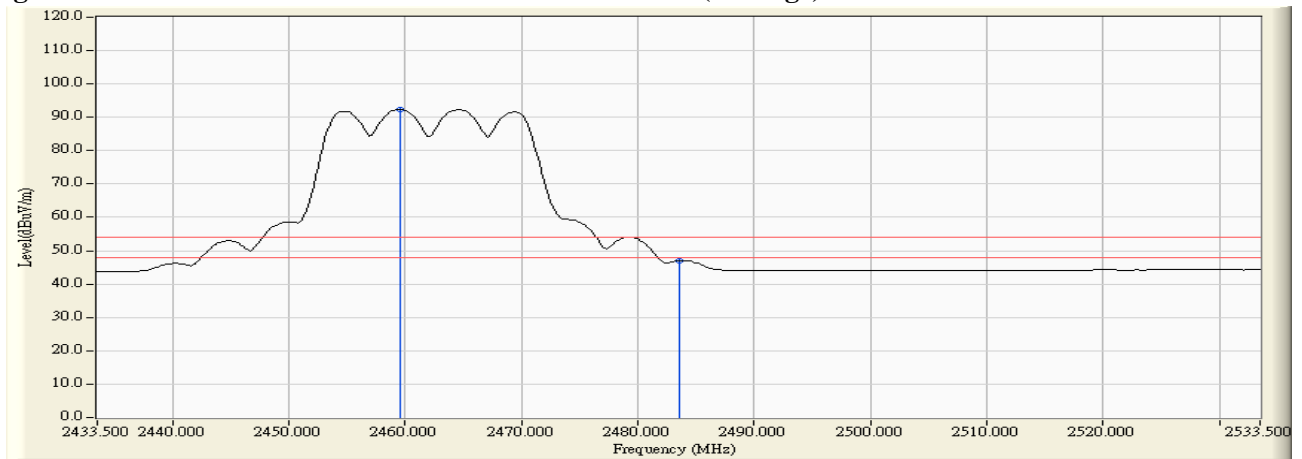
**RF Radiated Measurement (Vertical):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11 (Peak)	2459.300	30.468	72.554	103.021	--	--	--
11 (Peak)	2483.500	30.586	36.397	66.982	74.00	54.00	Pass
11 (Average)	2459.500	30.468	61.802	92.270	--	--	--
11 (Average)	2483.500	30.586	16.476	47.061	74.00	54.00	Pass

**Figure Channel 11: Vertical (Peak)**



**Figure Channel 11: Vertical (Average)**



## Note:

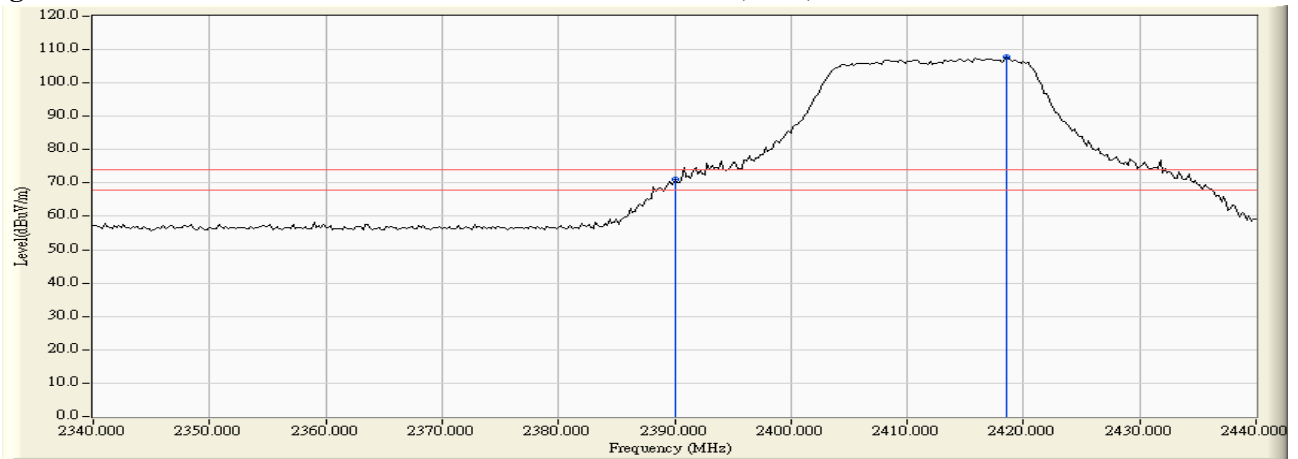
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 11: Transmit - 802.11n-20BW\_14.4Mbps(2.4G Band)(PIFA Antenna)

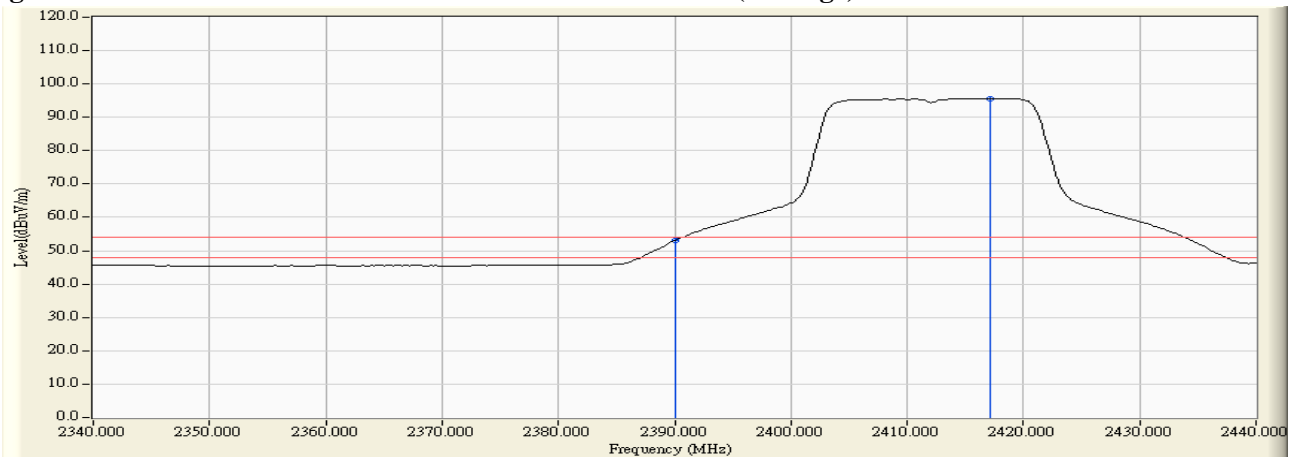
**RF Radiated Measurement (Horizontal):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2390.000	31.739	39.419	71.158	74.00	54.00	Pass
01 (Peak)	2418.600	31.788	75.867	107.655	--	--	--
01 (Average)	2390.000	31.739	21.226	52.965	74.00	54.00	Pass
01 (Average)	2417.200	31.784	63.850	95.634	--	--	--

**Figure Channel 01: Horizontal (Peak)**



**Figure Channel 01: Horizontal (Average)**



## Note:

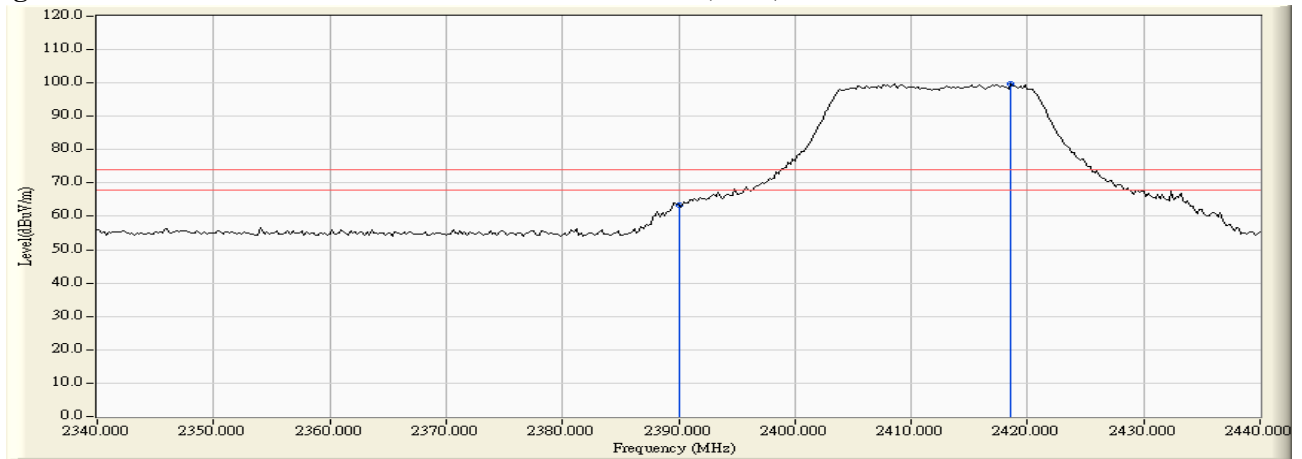
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 11: Transmit - 802.11n-20BW\_14.4Mbps(2.4G Band)(PIFA Antenna)

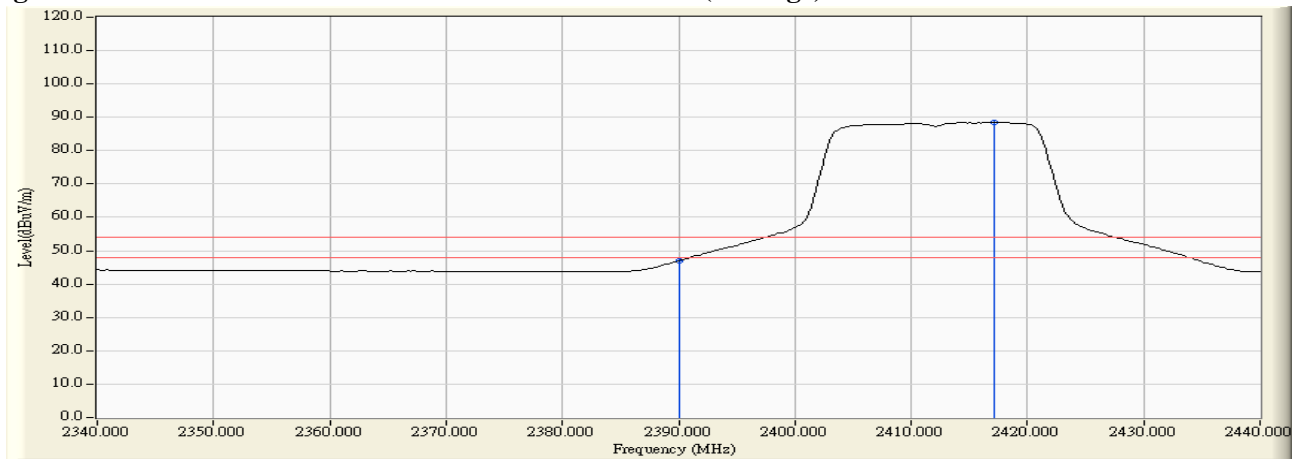
**RF Radiated Measurement (Vertical):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2390.000	30.267	33.112	63.379	74.00	54.00	Pass
01 (Peak)	2418.600	30.279	69.373	99.652	--	--	--
01 (Average)	2390.000	30.267	16.689	46.956	74.00	54.00	Pass
01 (Average)	2417.200	30.272	58.145	88.417	--	--	--

**Figure Channel 01: Vertical (Peak)**



**Figure Channel 01: Vertical (Average)**





## Note:

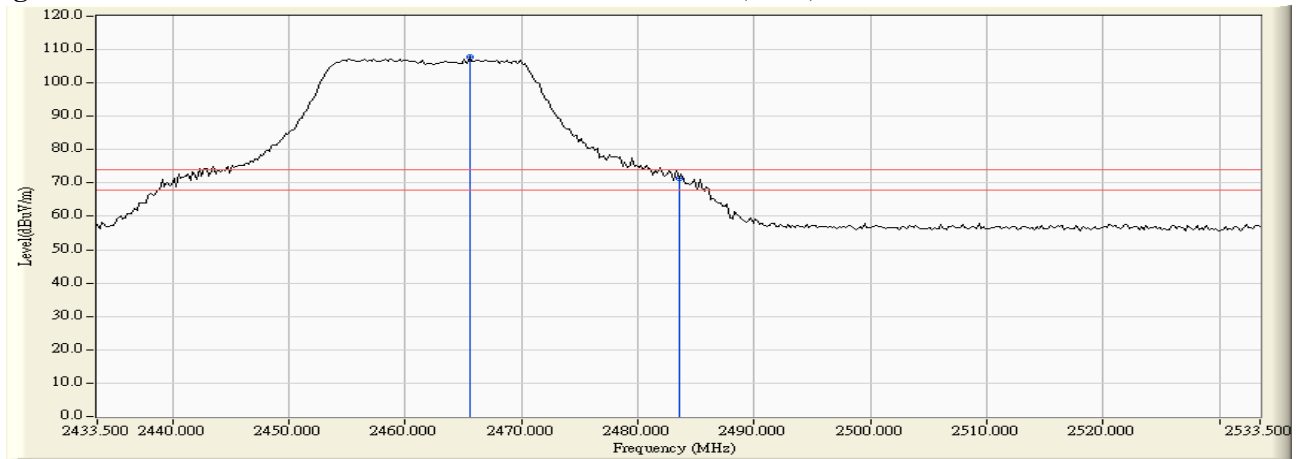
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 11: Transmit - 802.11n-20BW\_14.4Mbps(2.4G Band)(PIFA Antenna)

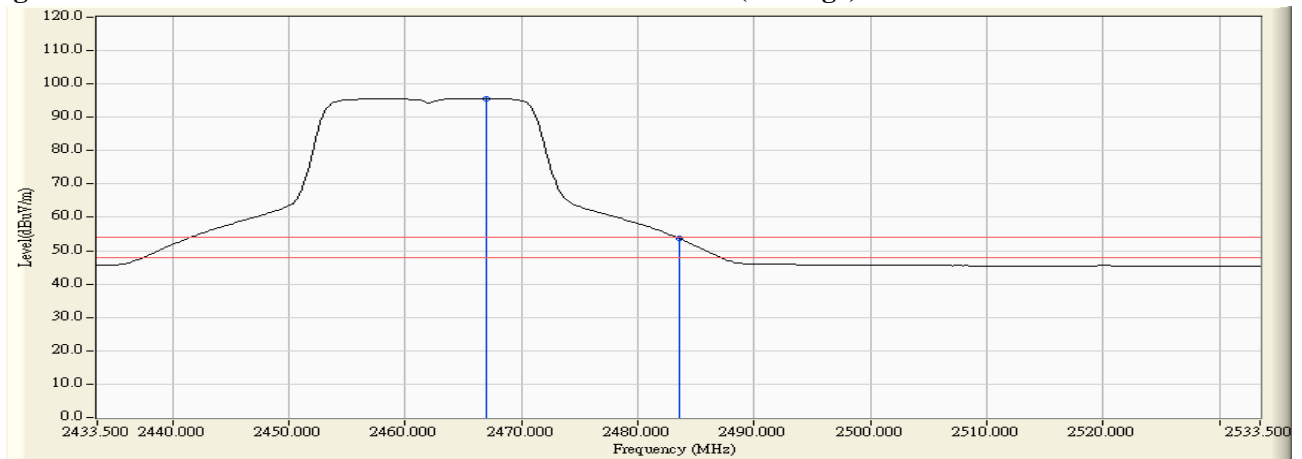
**RF Radiated Measurement (Horizontal):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11 (Peak)	2465.500	31.901	75.780	107.682	--	--	--
11 (Peak)	2483.500	31.951	39.557	71.507	74.00	54.00	Pass
11 (Average)	2466.900	31.905	63.779	95.684	--	--	--
11 (Average)	2483.500	31.951	21.697	53.647	74.00	54.00	Pass

**Figure Channel 11: Horizontal (Peak)**



**Figure Channel 11: Horizontal (Average)**



## Note:

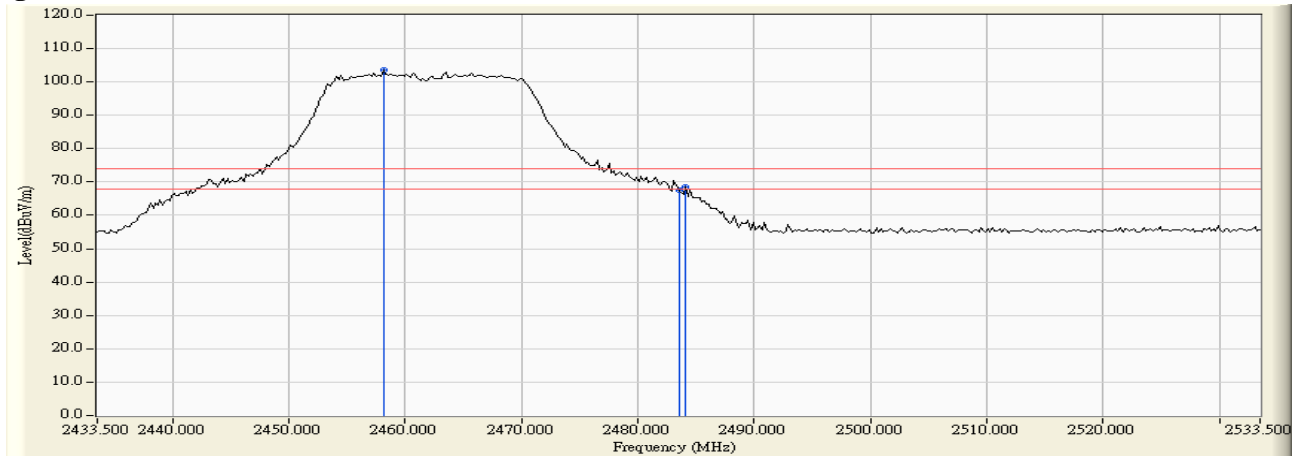
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 11: Transmit - 802.11n-20BW\_14.4Mbps(2.4G Band)(PIFA Antenna)

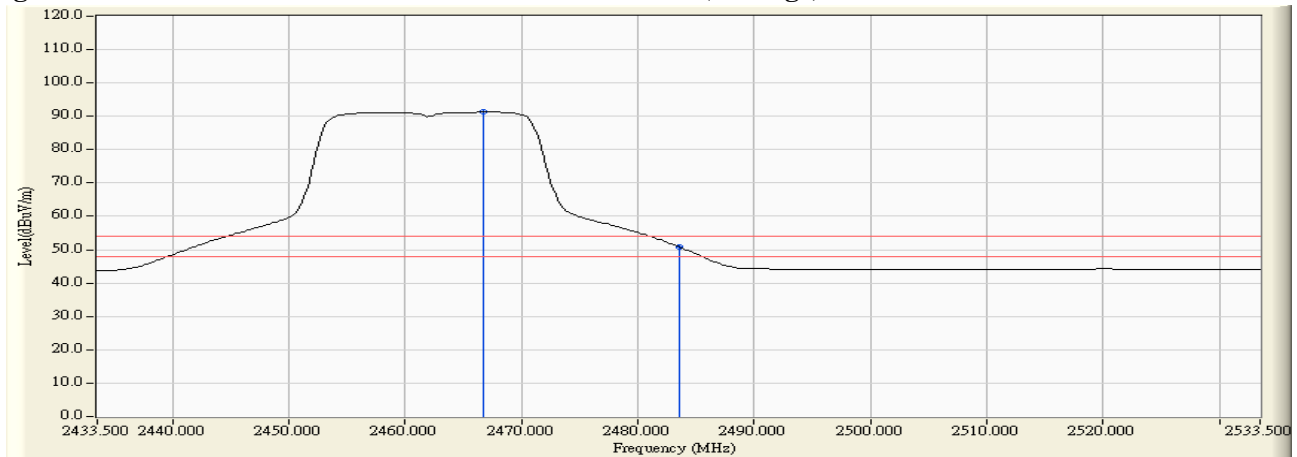
**RF Radiated Measurement (Vertical):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
11 (Peak)	2458.100	30.462	73.288	103.750	--	--	--
11 (Peak)	2483.500	30.586	37.012	67.597	74.00	54.00	Pass
11 (Peak)	2484.100	30.588	38.079	68.667	74.00	54.00	Pass
11 (Average)	2466.700	30.503	60.784	91.287	--	--	--
11 (Average)	2483.500	30.586	20.219	50.804	74.00	54.00	Pass

**Figure Channel 11: Vertical (Peak)**



**Figure Channel 11: Vertical (Average)**



## Note:

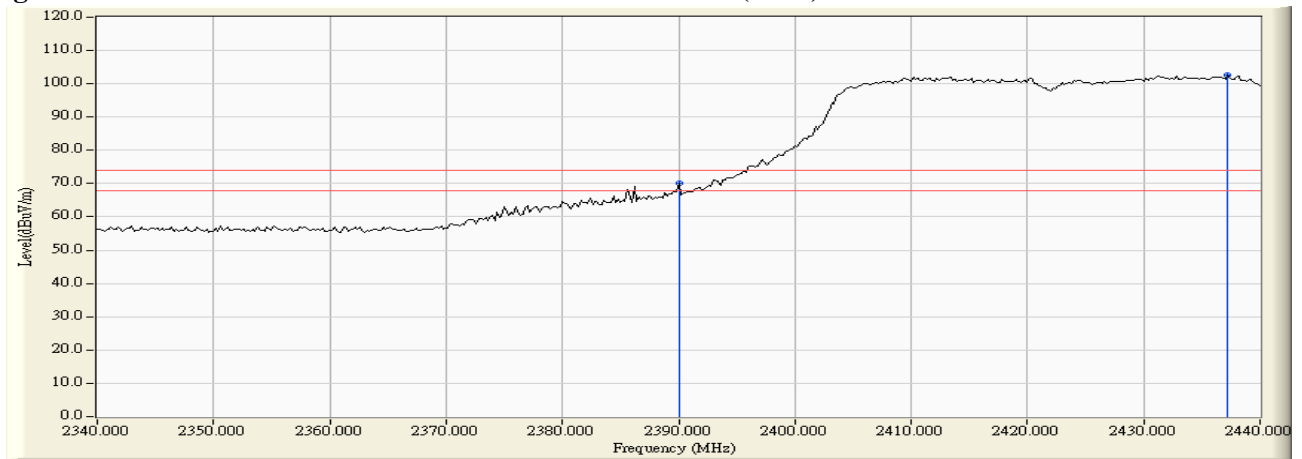
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 12: Transmit - 802.11n-40BW\_30Mbps(2.4G Band)(PIFA Antenna)

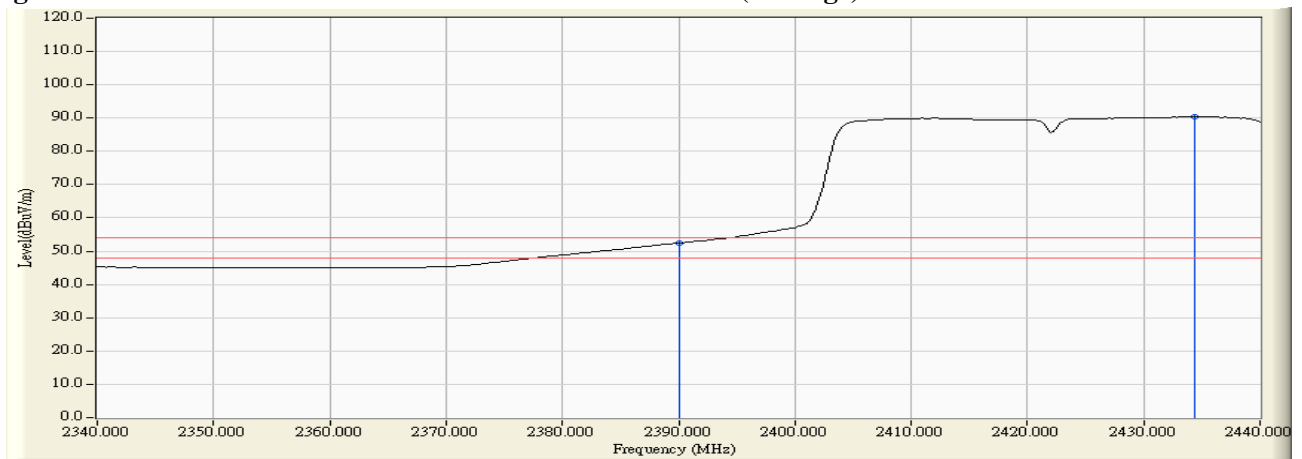
**RF Radiated Measurement (Horizontal):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2390.000	31.739	38.470	70.209	74.00	54.00	Pass
01 (Peak)	2437.200	31.832	70.778	102.609	--	--	--
01 (Average)	2390.000	31.739	20.697	52.436	74.00	54.00	Pass
01 (Average)	2434.400	31.825	58.525	90.350	--	--	--

**Figure Channel 01: Horizontal (Peak)**



**Figure Channel 01: Horizontal (Average)**



## Note:

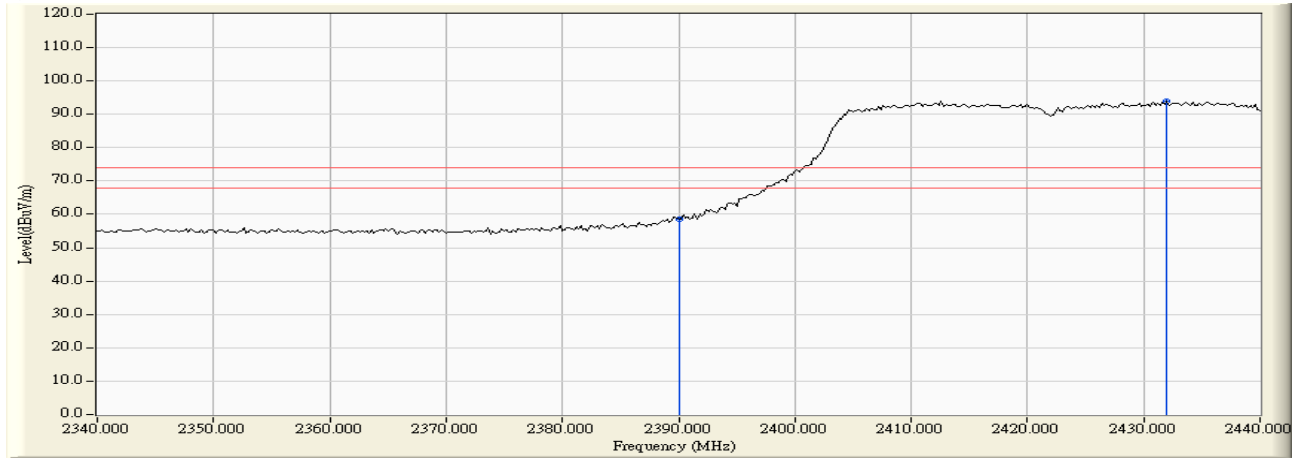
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 12: Transmit - 802.11n-40BW\_30Mbps(2.4G Band)(PIFA Antenna)

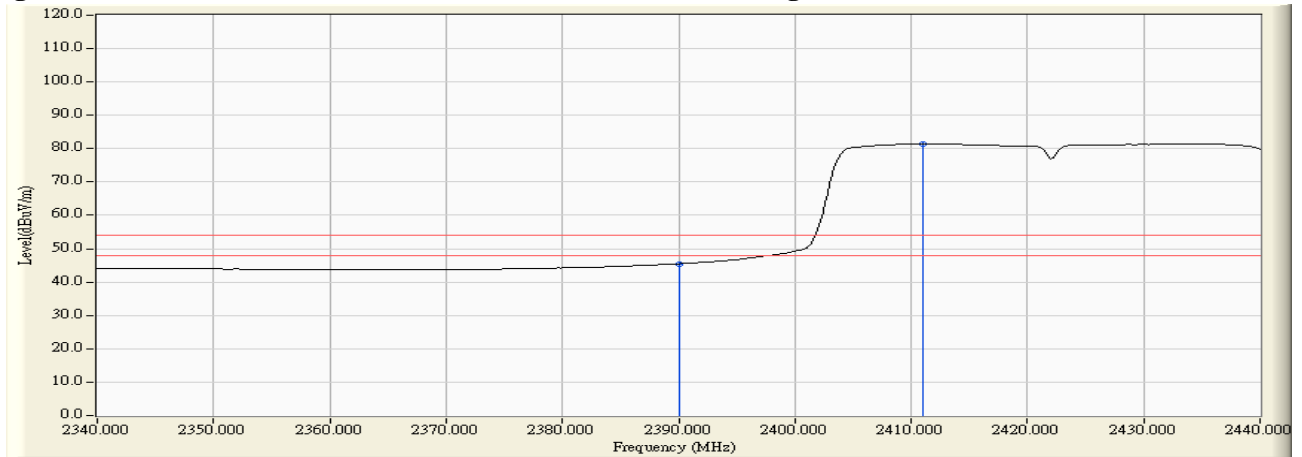
**RF Radiated Measurement (Vertical):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
01 (Peak)	2390.000	30.267	28.192	58.459	74.00	54.00	Pass
01 (Peak)	2432.000	30.339	63.558	93.897	--	--	--
01 (Average)	2390.000	30.267	15.217	45.484	74.00	54.00	Pass
01 (Average)	2411.000	30.244	51.228	81.472	--	--	--

**Figure Channel 01: Vertical (Peak)**



**Figure Channel 01: Vertical (Average)**





## Note:

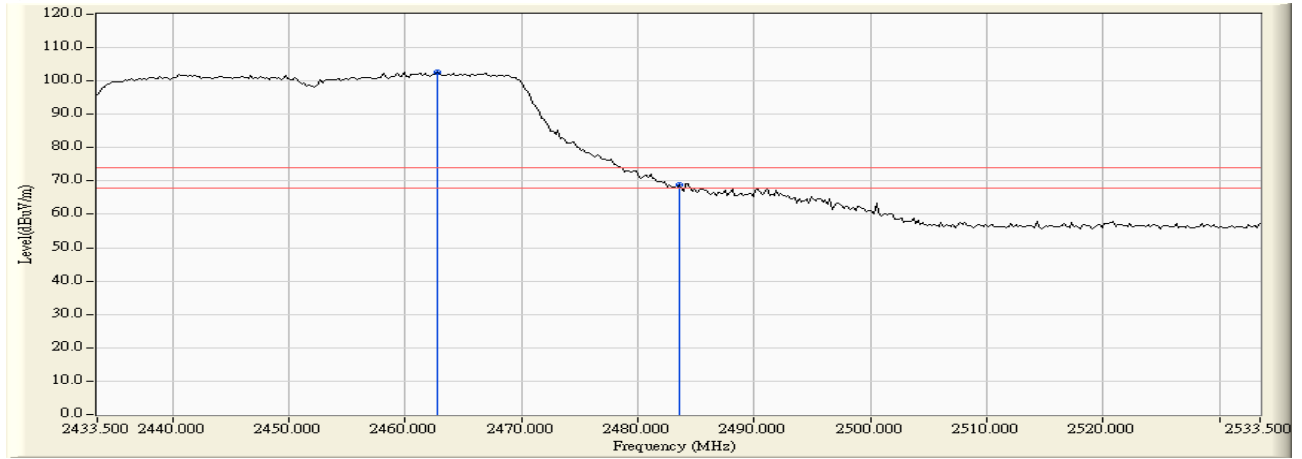
1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.

Product : SpectraGuardR Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 12: Transmit - 802.11n-40BW\_30Mbps(2.4G Band)(PIFA Antenna)

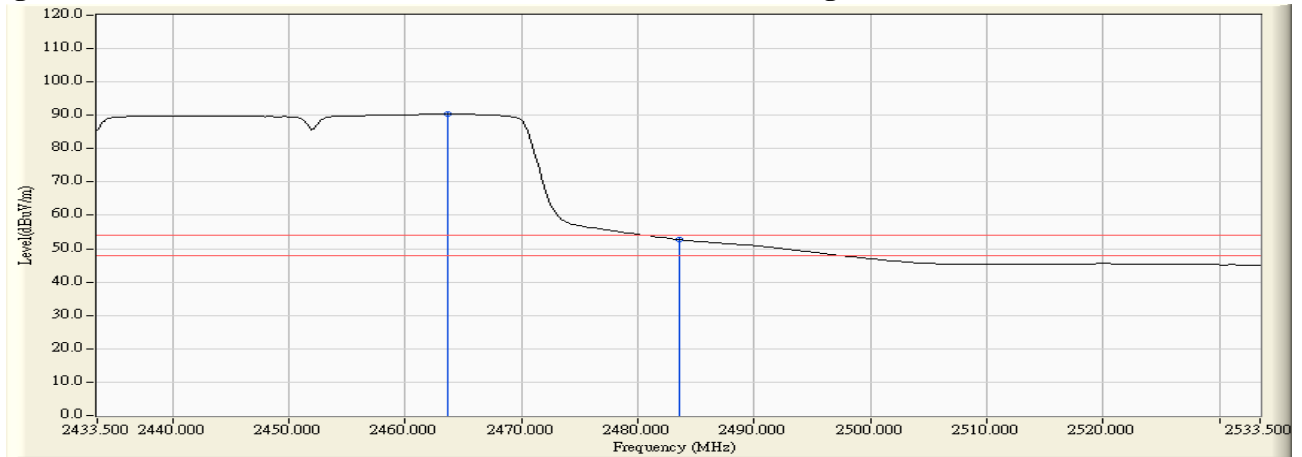
**RF Radiated Measurement (Horizontal):**

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Peak Limit (dBuV/m)	Average Limit (dBuV/m)	Result
07 (Peak)	2462.700	31.895	70.693	102.587	--	--	--
07 (Peak)	2483.500	31.951	36.997	68.947	74.00	54.00	Pass
07 (Average)	2462.700	31.897	58.453	90.350	--	--	--
07 (Average)	2483.500	31.951	20.759	52.709	74.00	54.00	Pass

**Figure Channel 07: Horizontal (Peak)**



**Figure Channel 07: Horizontal (Average)**



## Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.