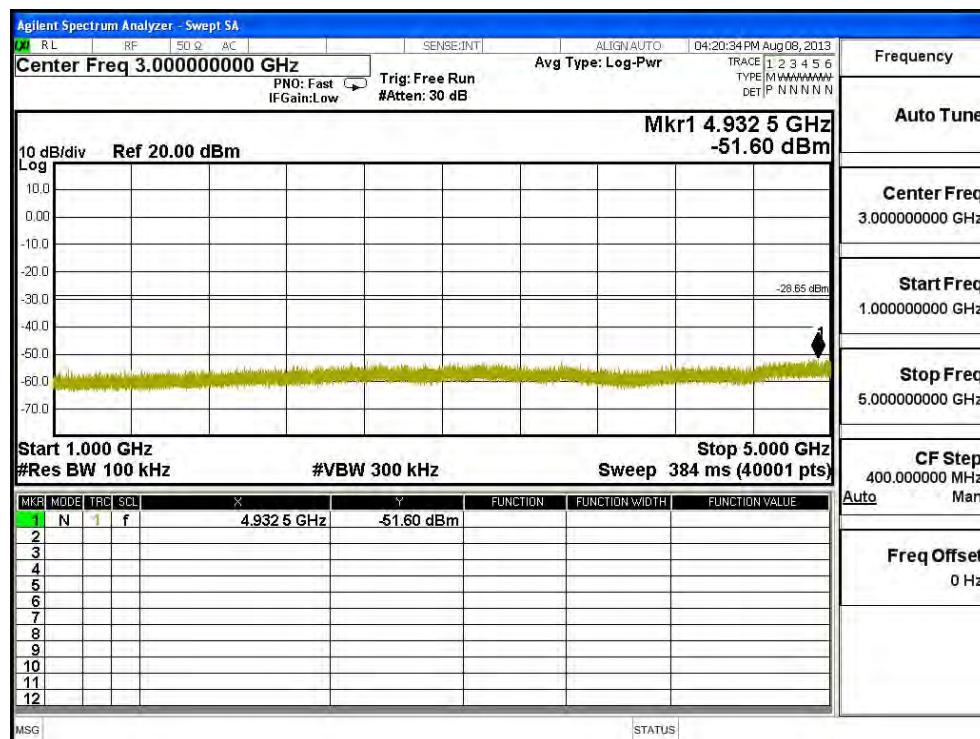
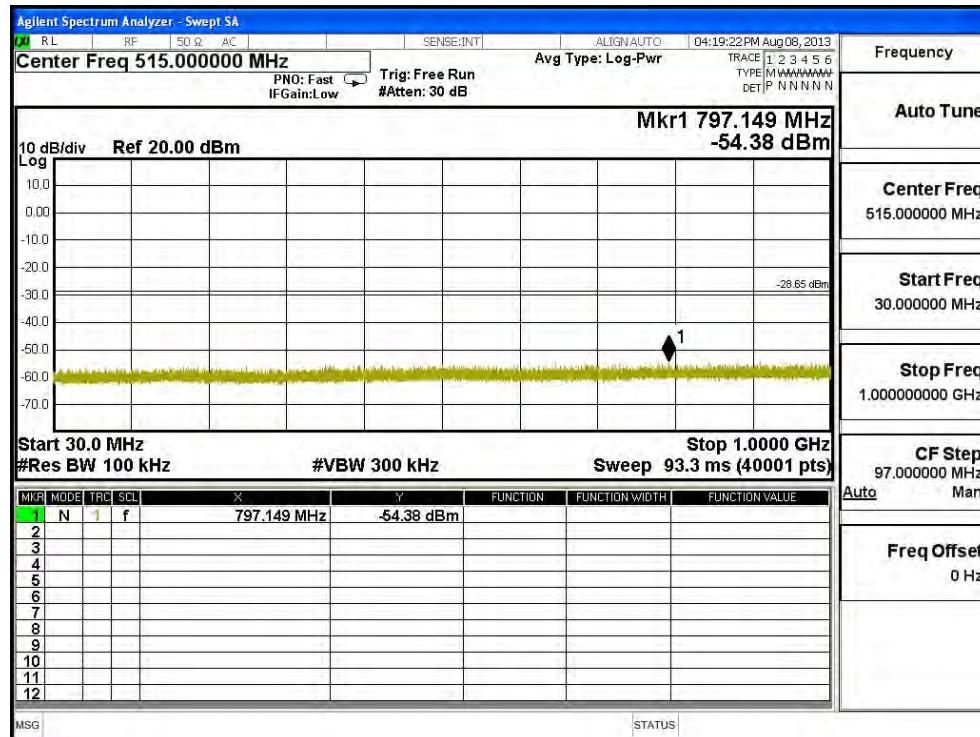
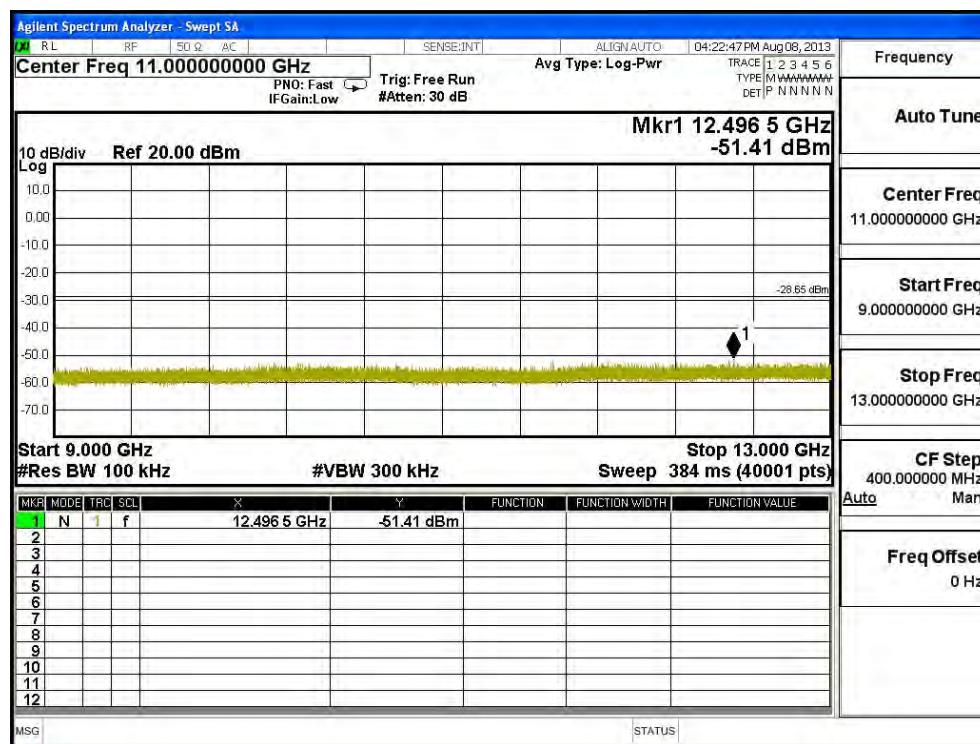
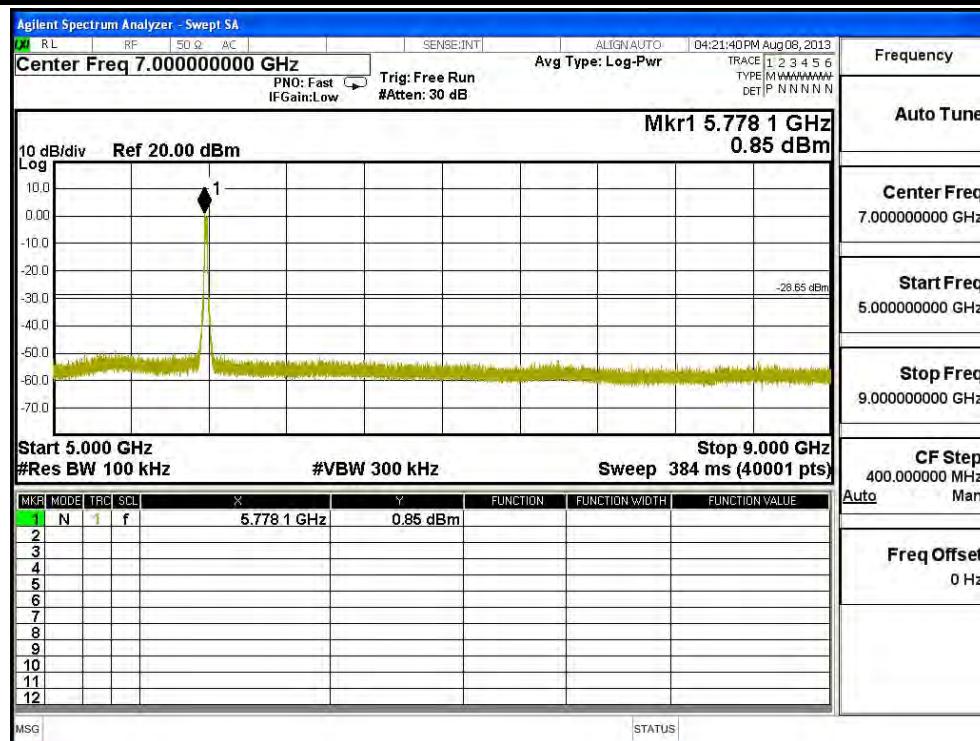
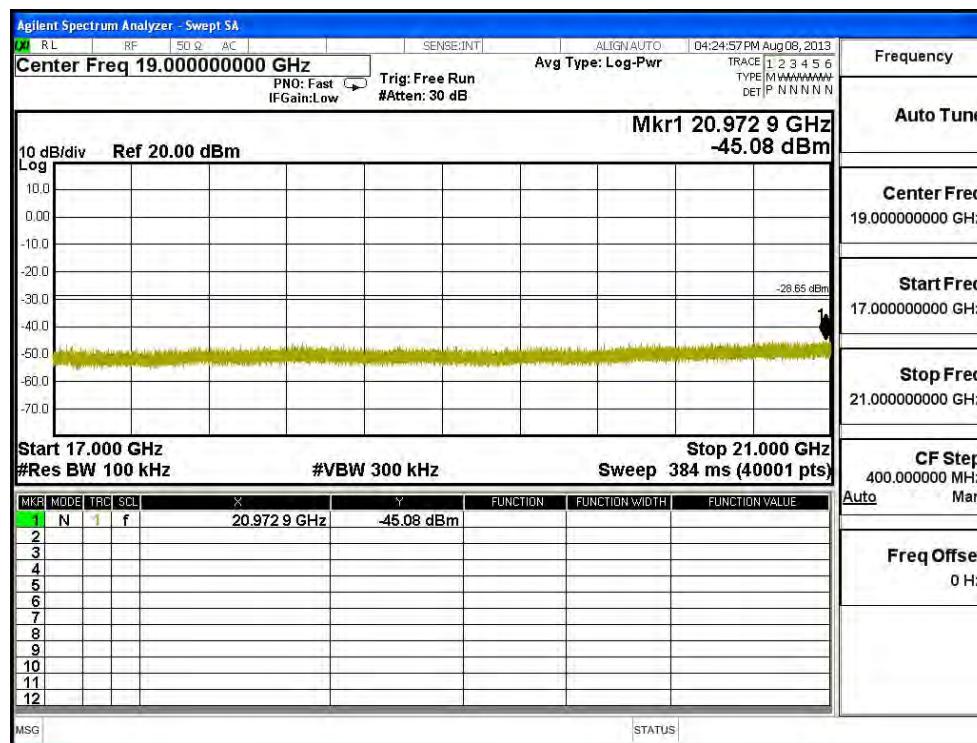
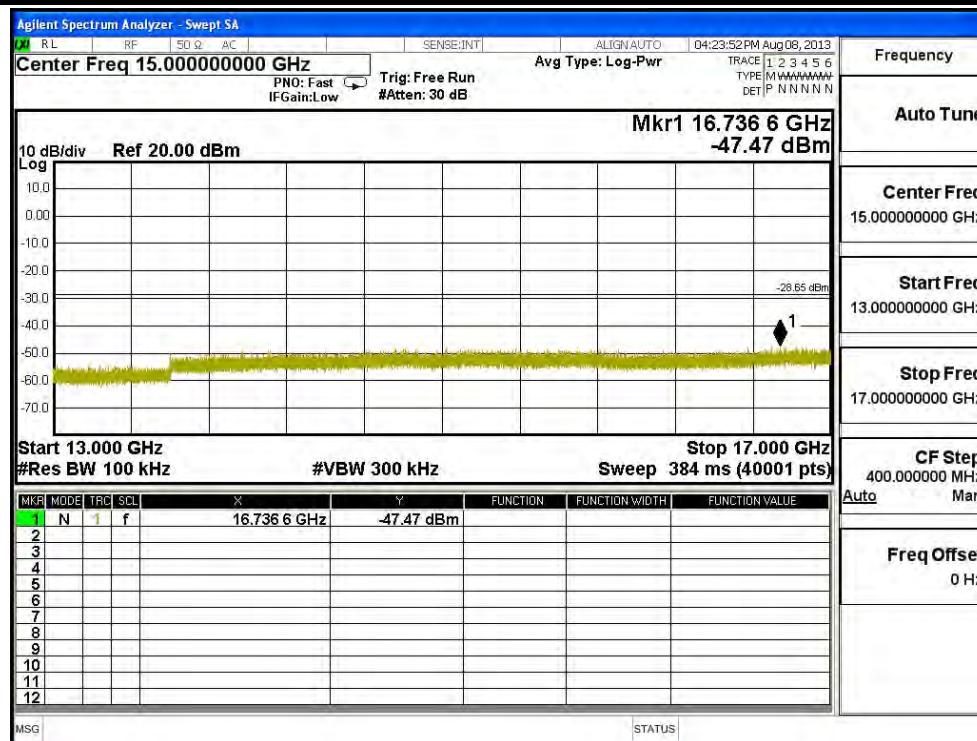
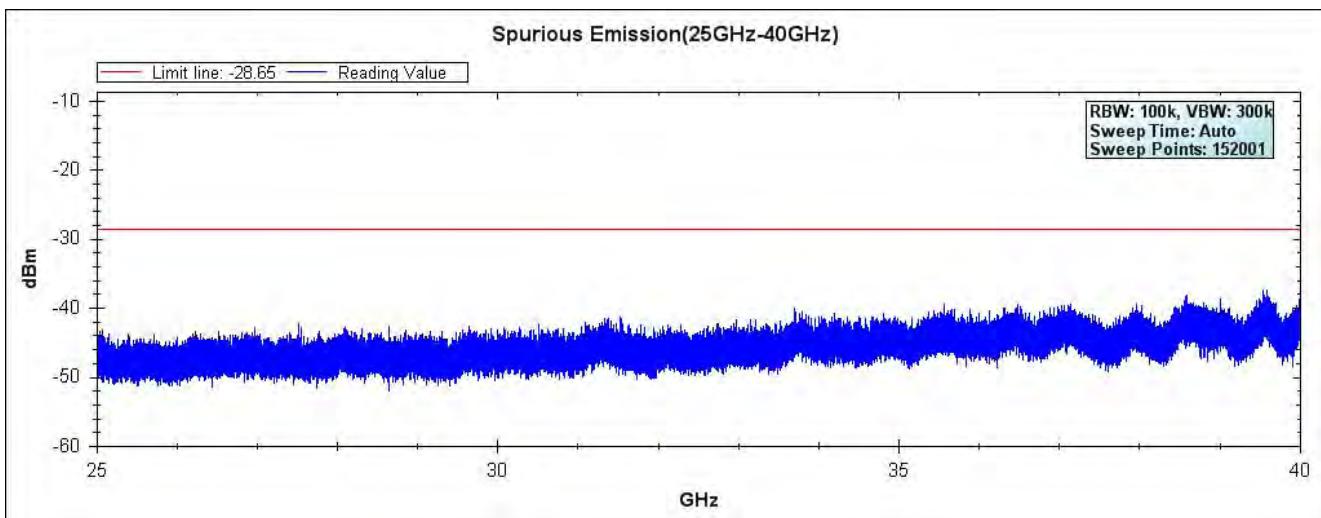
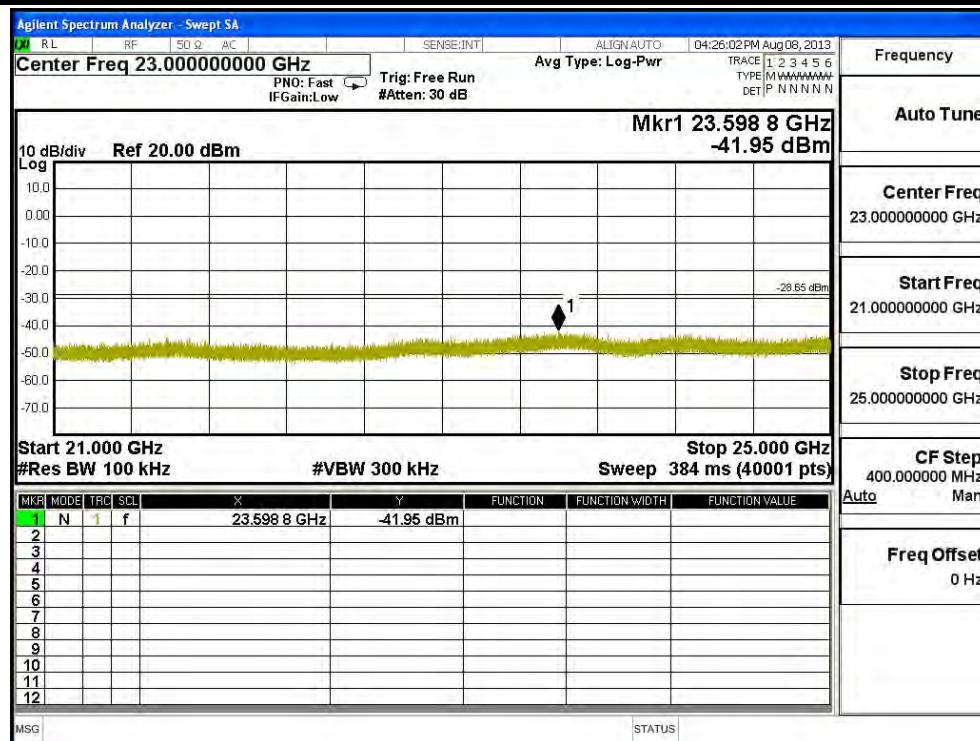


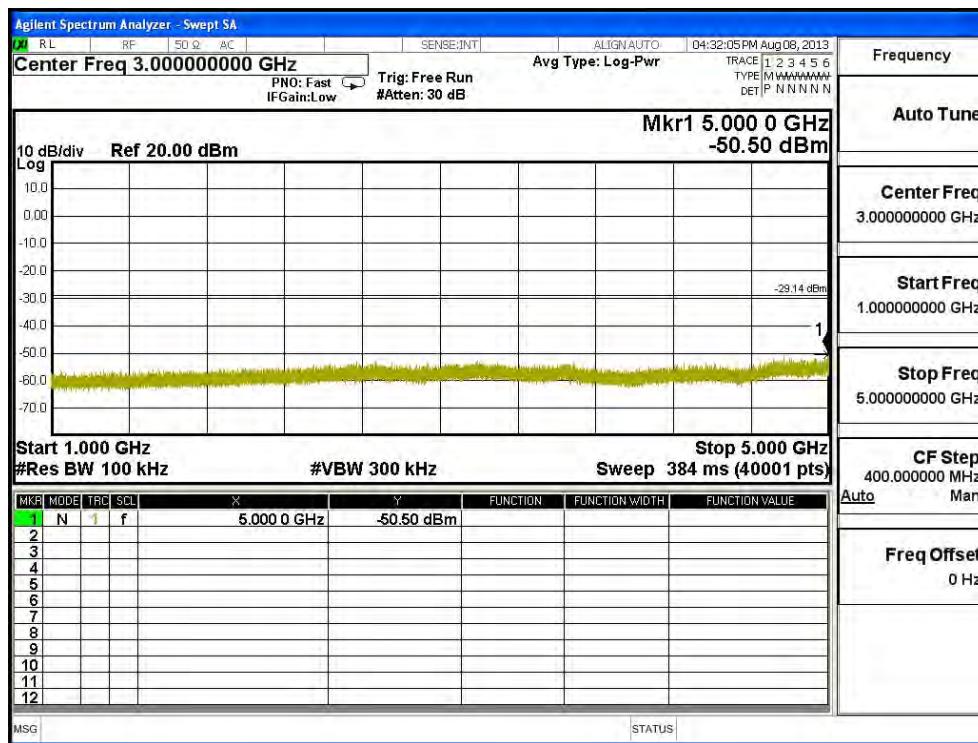
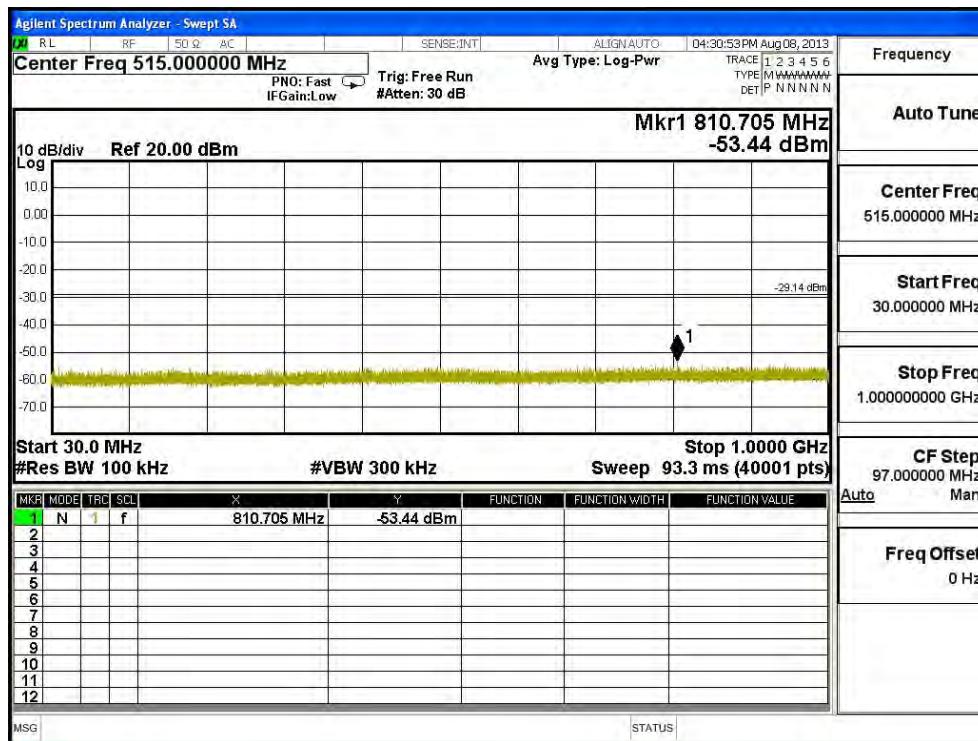
**Channel 157 (5785MHz) 30MHz -40GHz-Chain C**


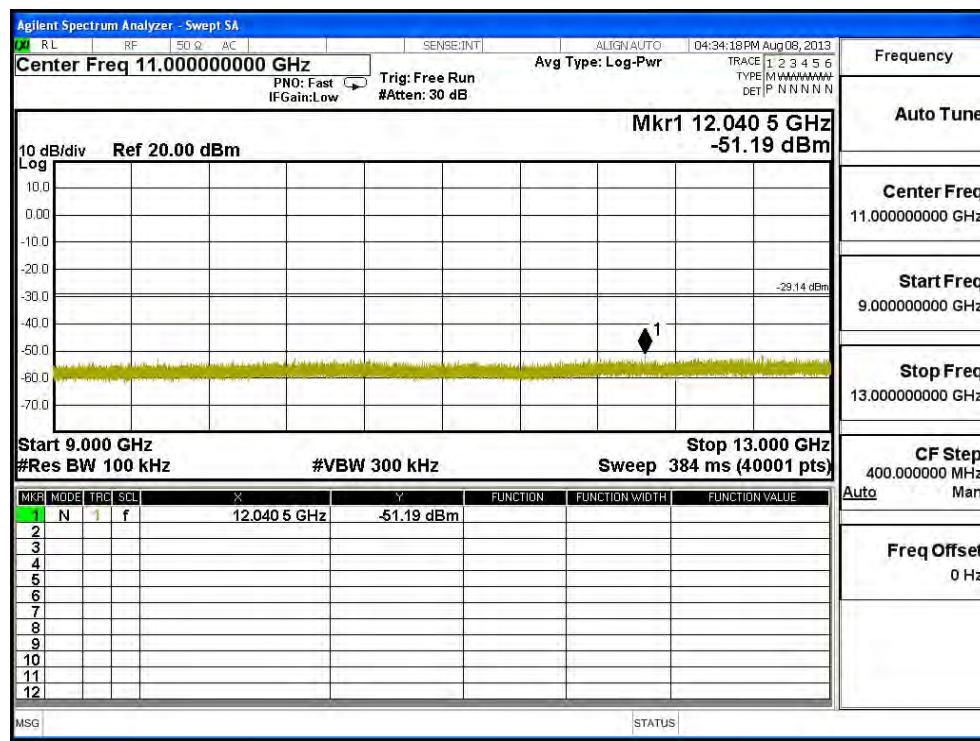
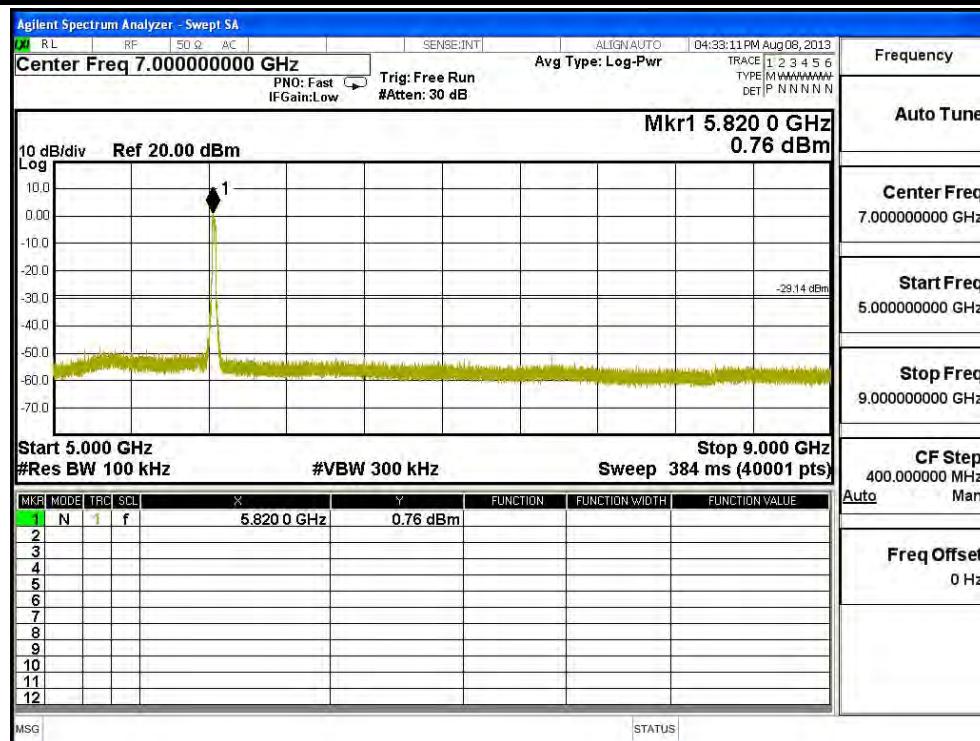


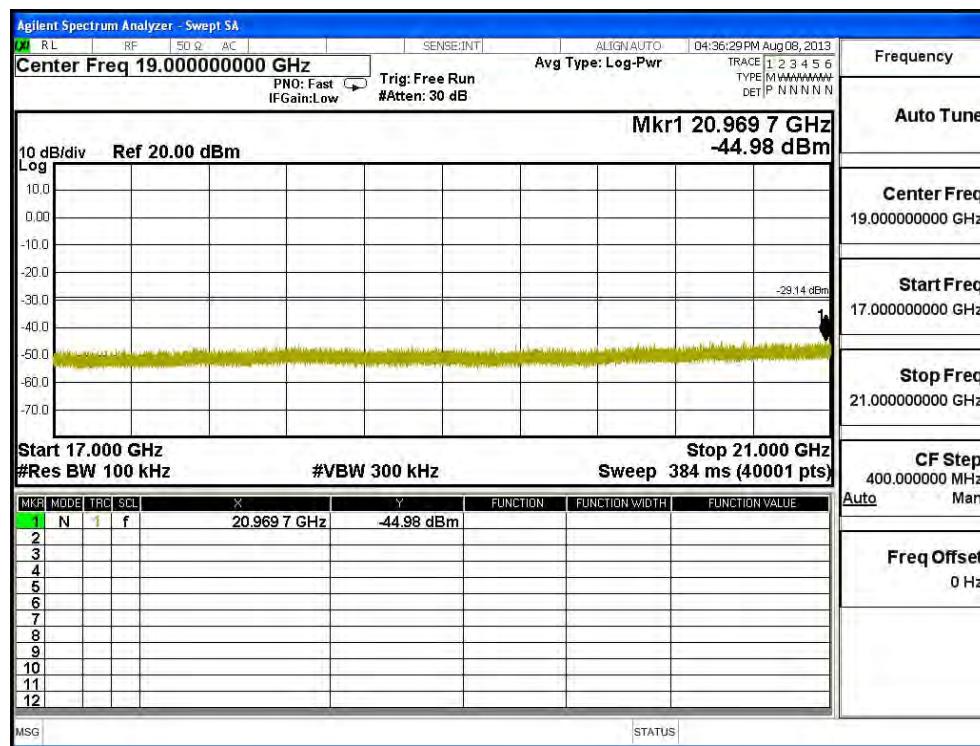
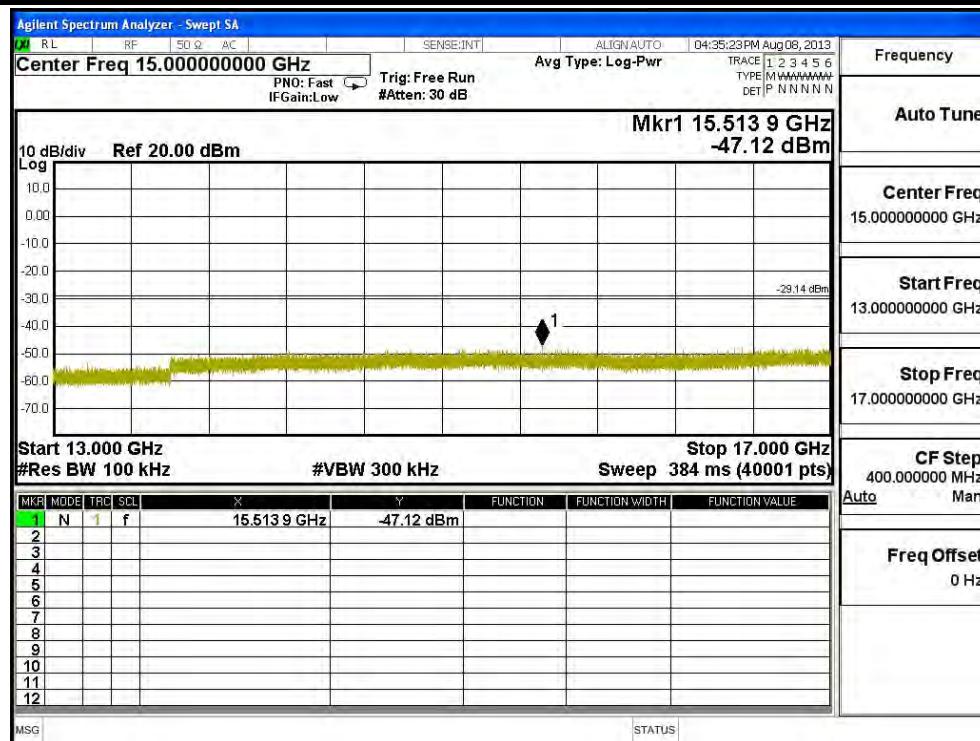


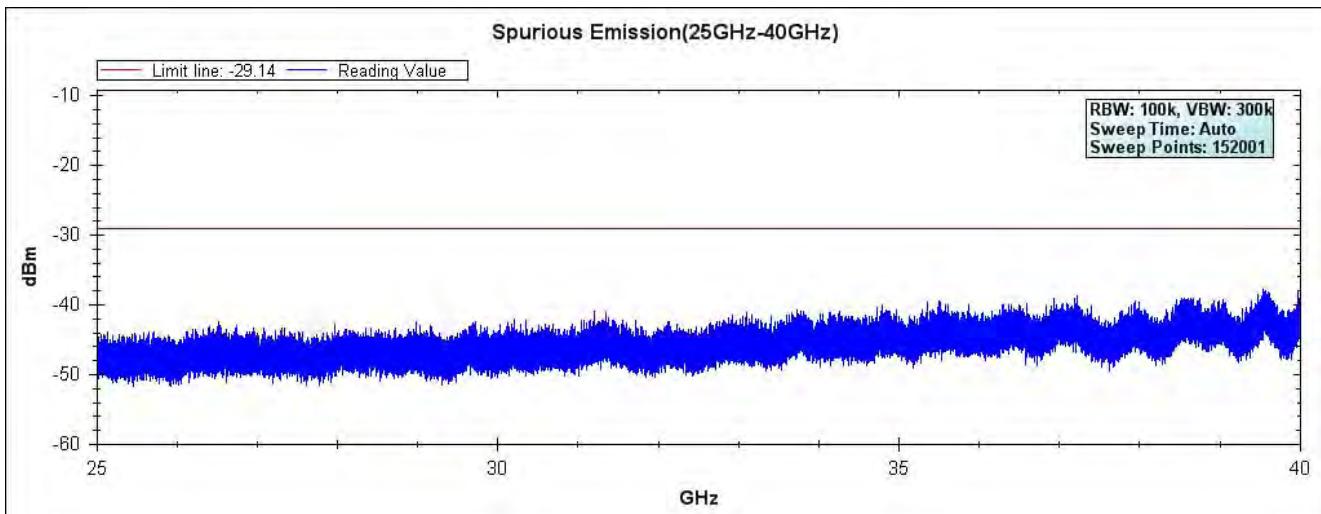
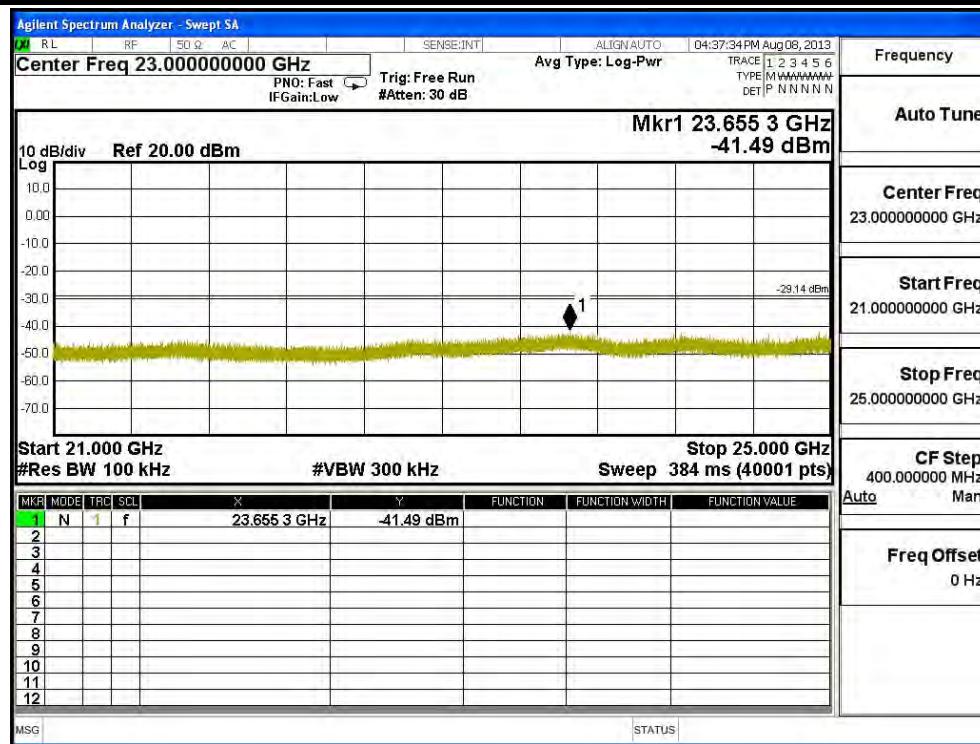


## Channel 165 (5825MHz) 30MHz -40GHz-Chain C





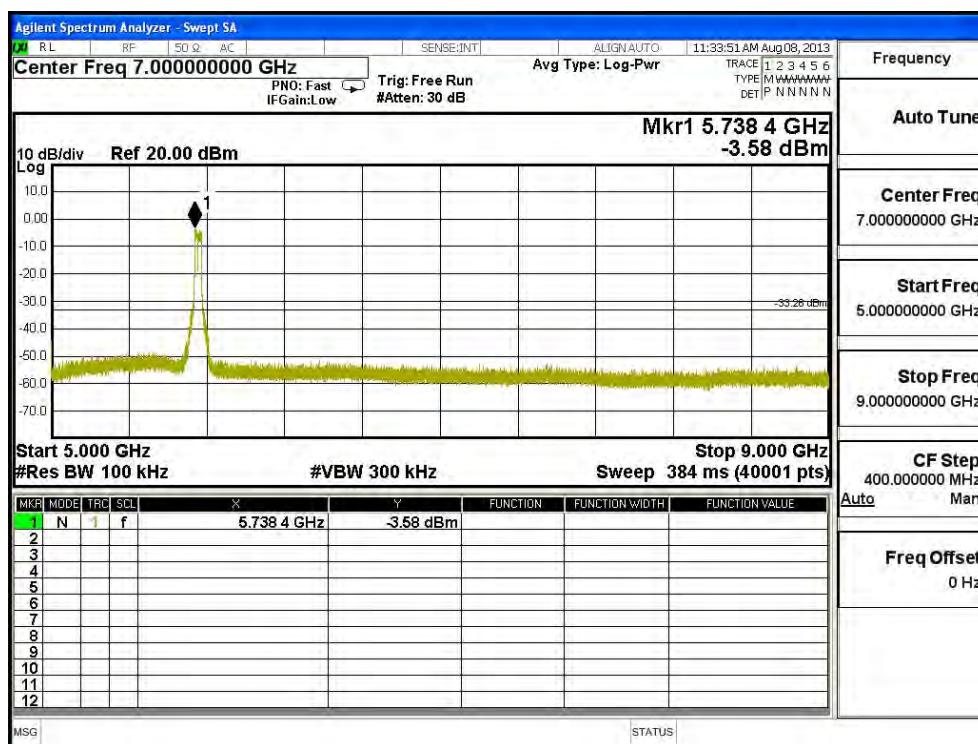
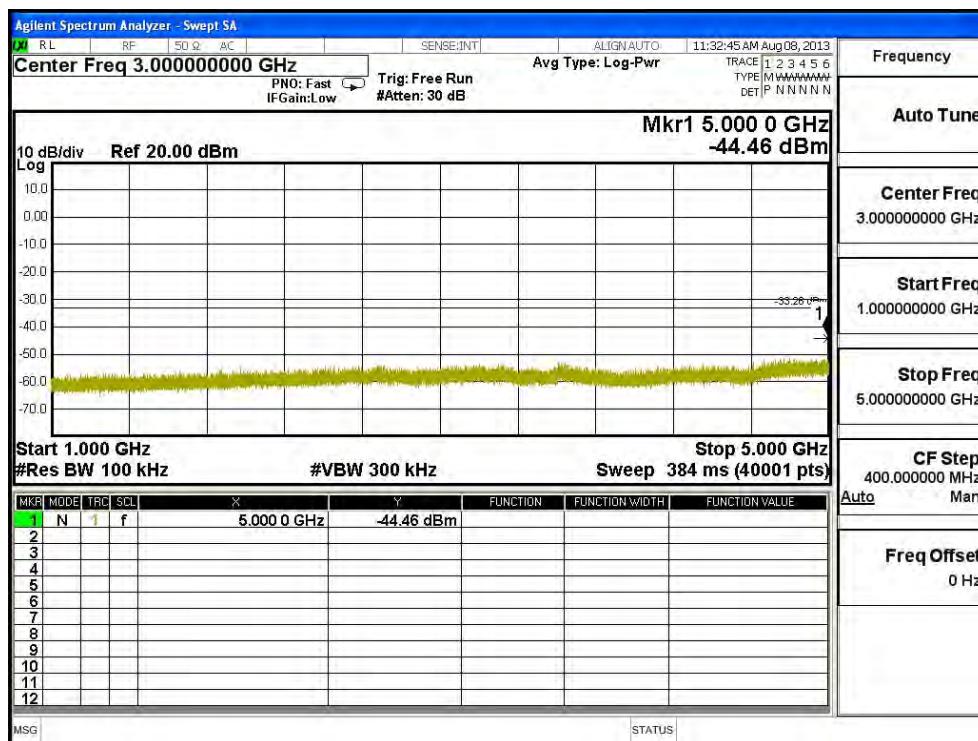


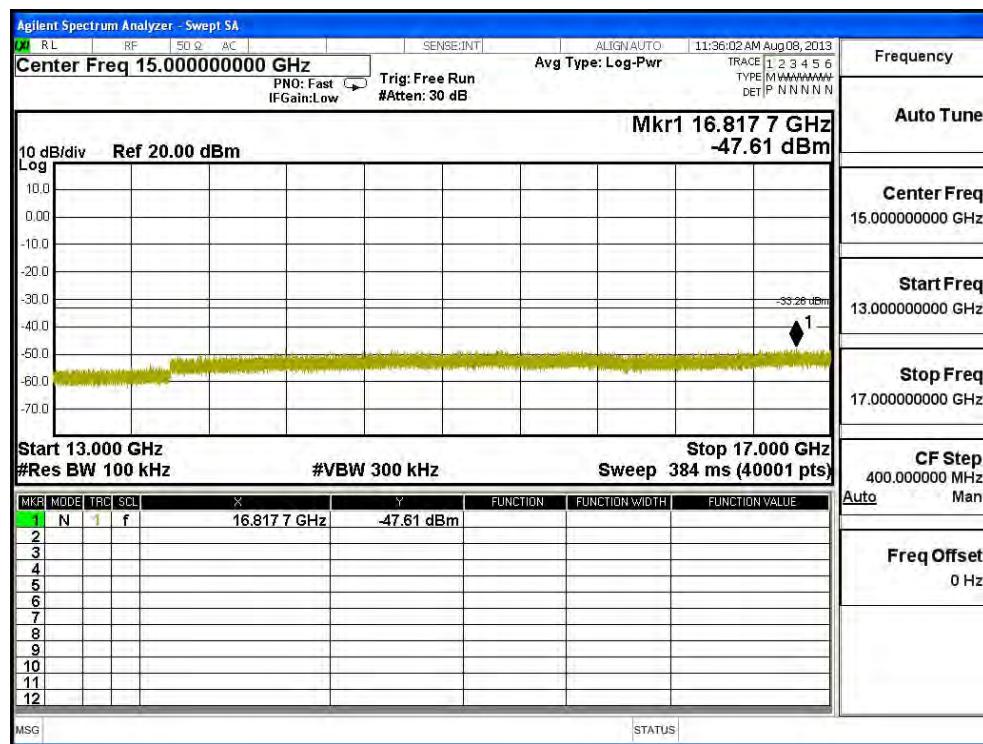
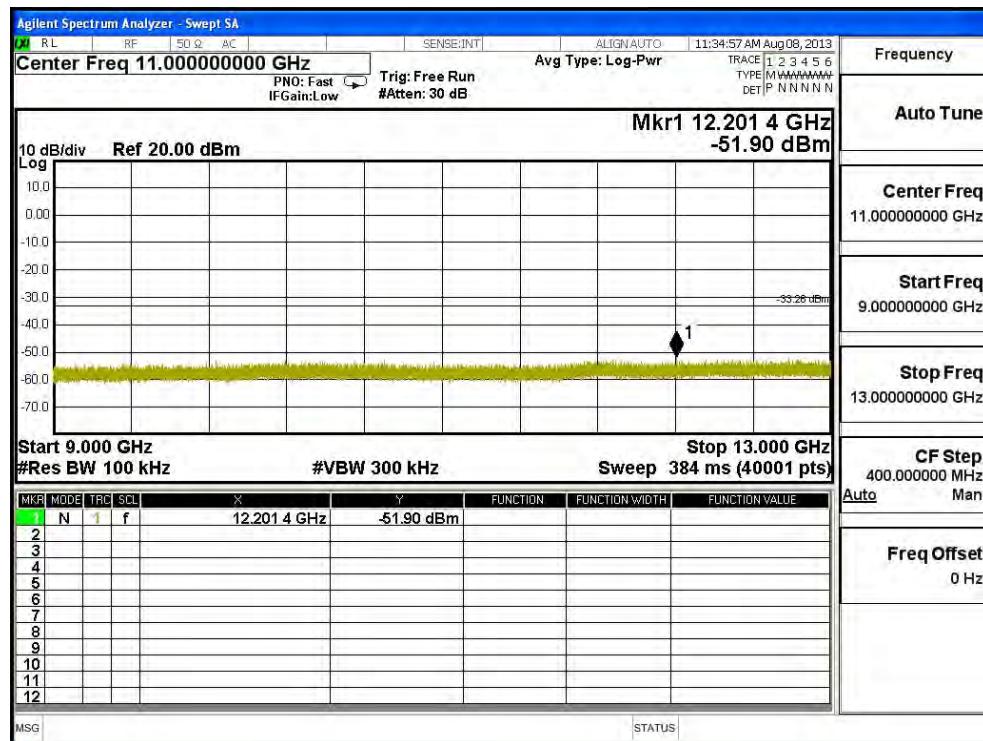


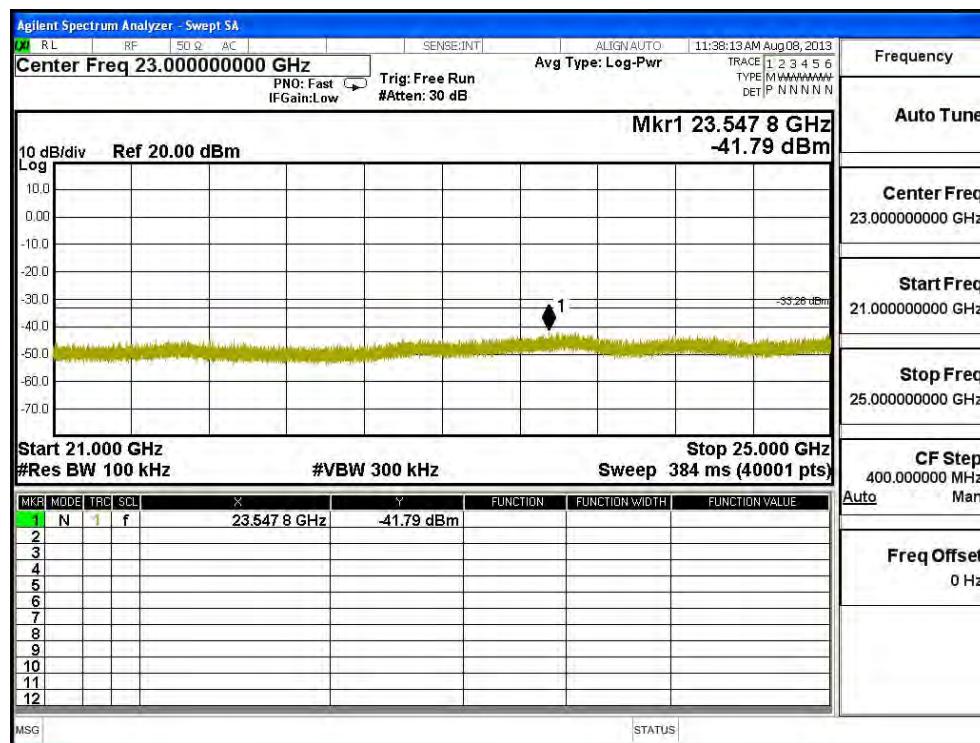
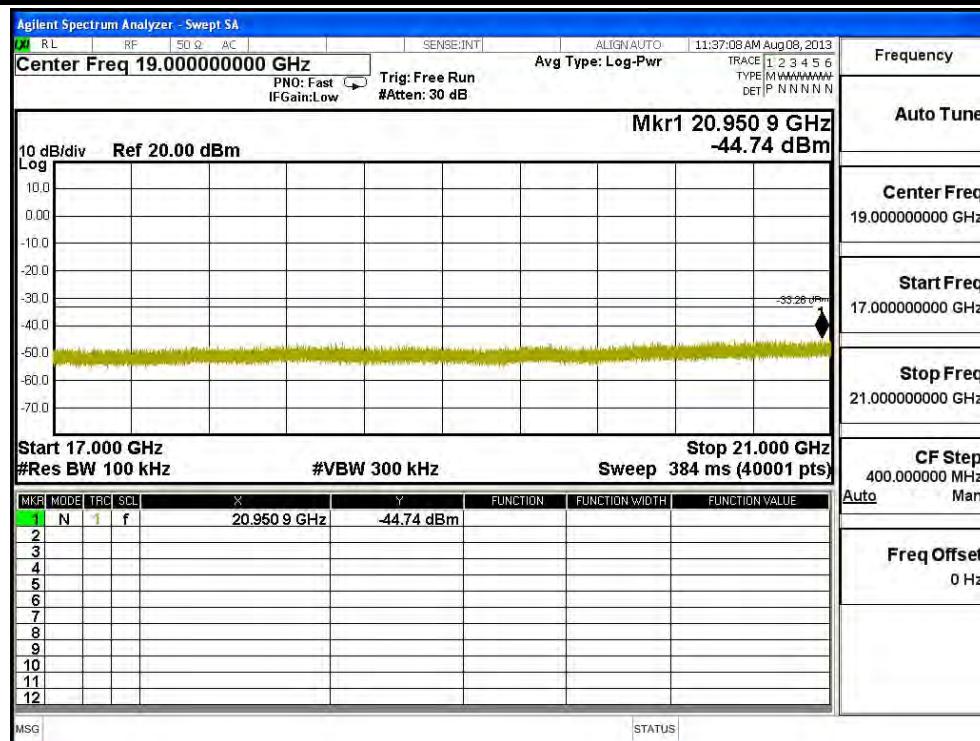
Product : SpectraGuard® Access Point / Sensor  
 Test Item : RF Antenna Conducted Spurious  
 Test Site : No.3 OATS  
 Test Mode : Mode 14: Transmit - 802.11n-40BW\_45Mbps(5G Band)(PIFA Antenna)

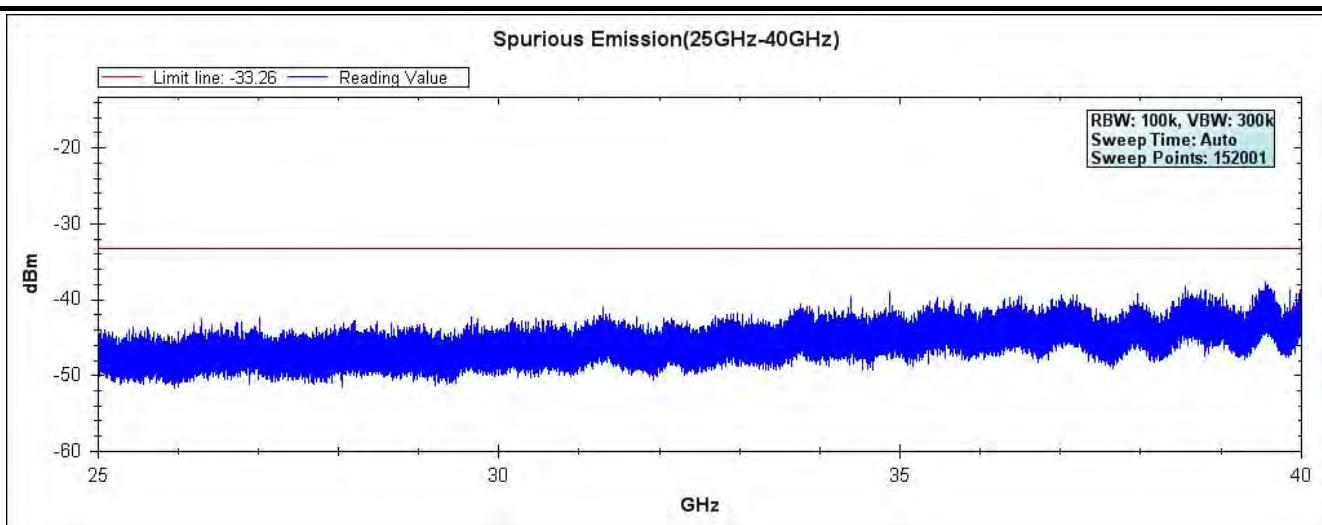
### Channel 151 (5755MHz) 30MHz -40GHz-Chain A

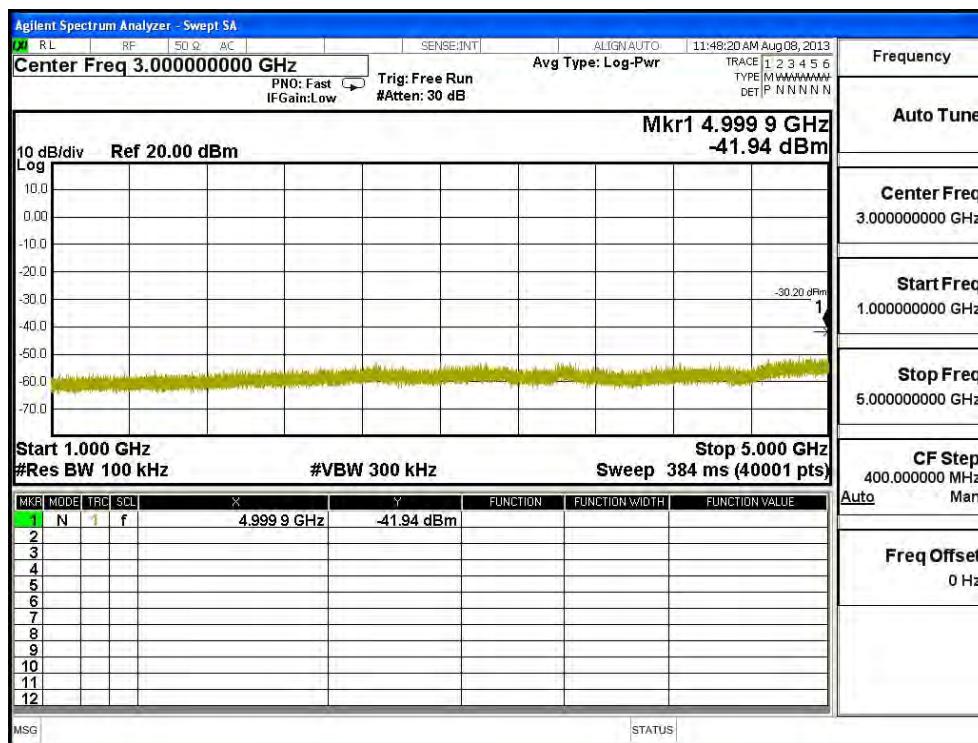
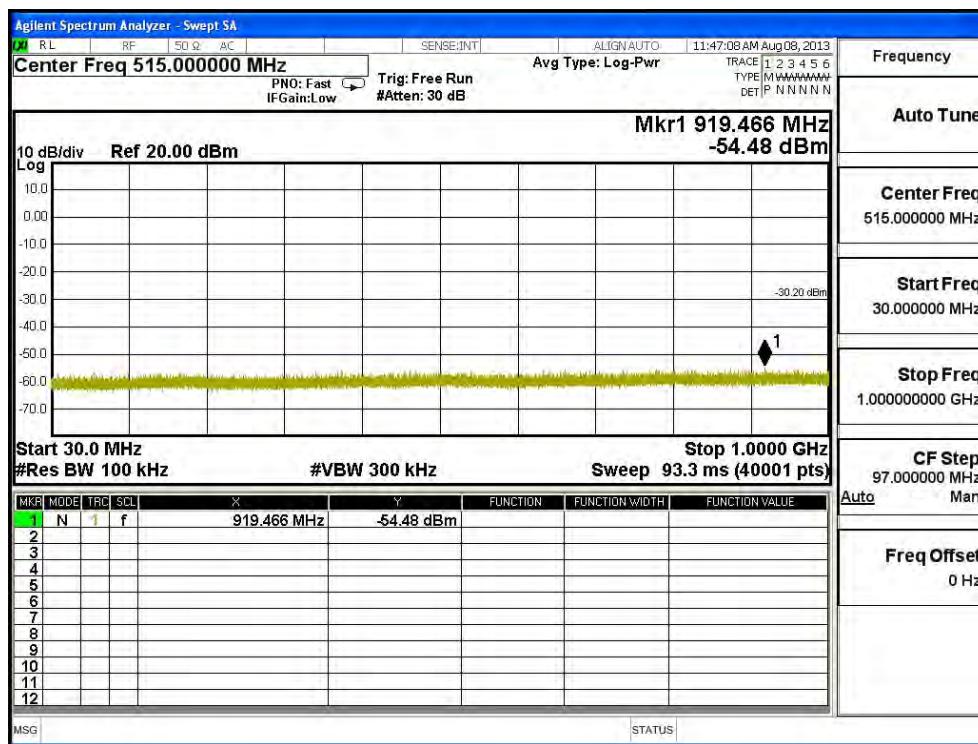


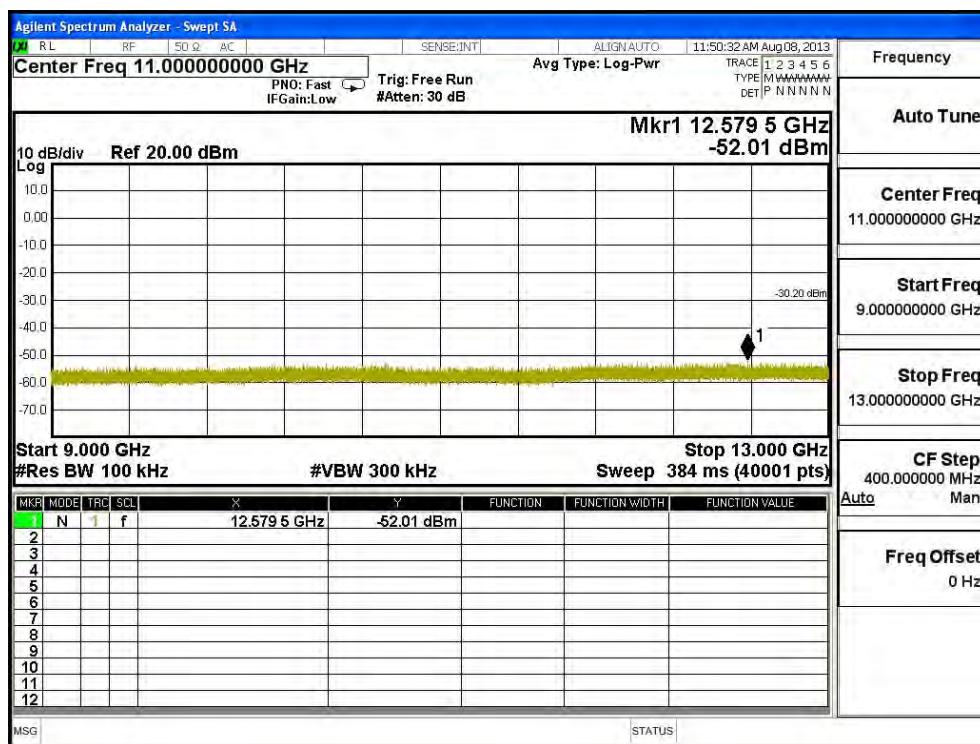
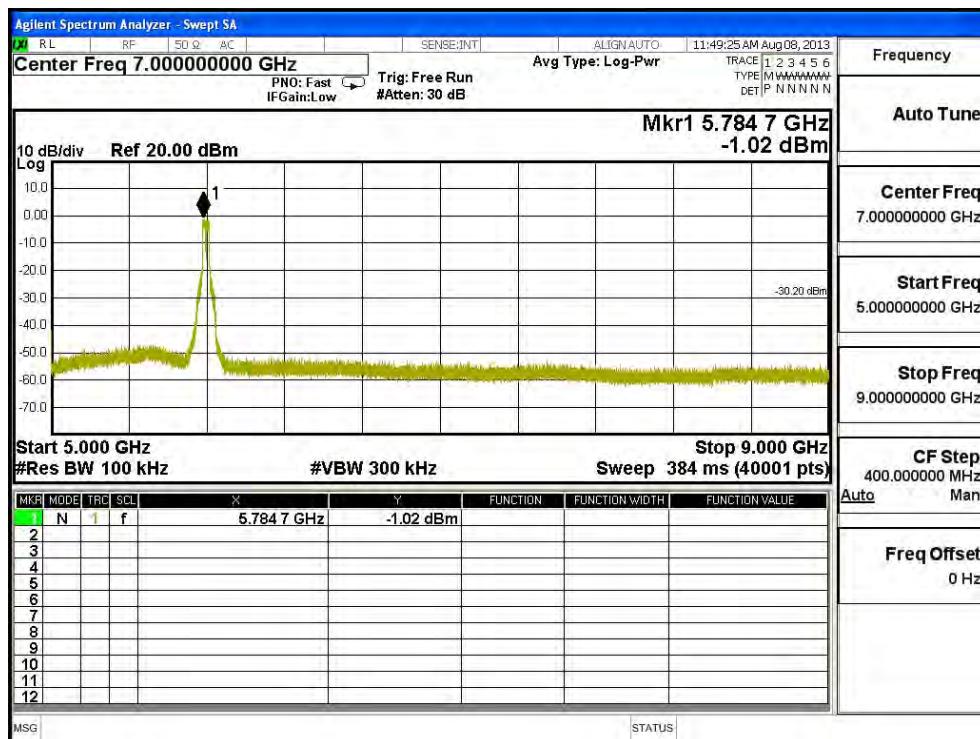


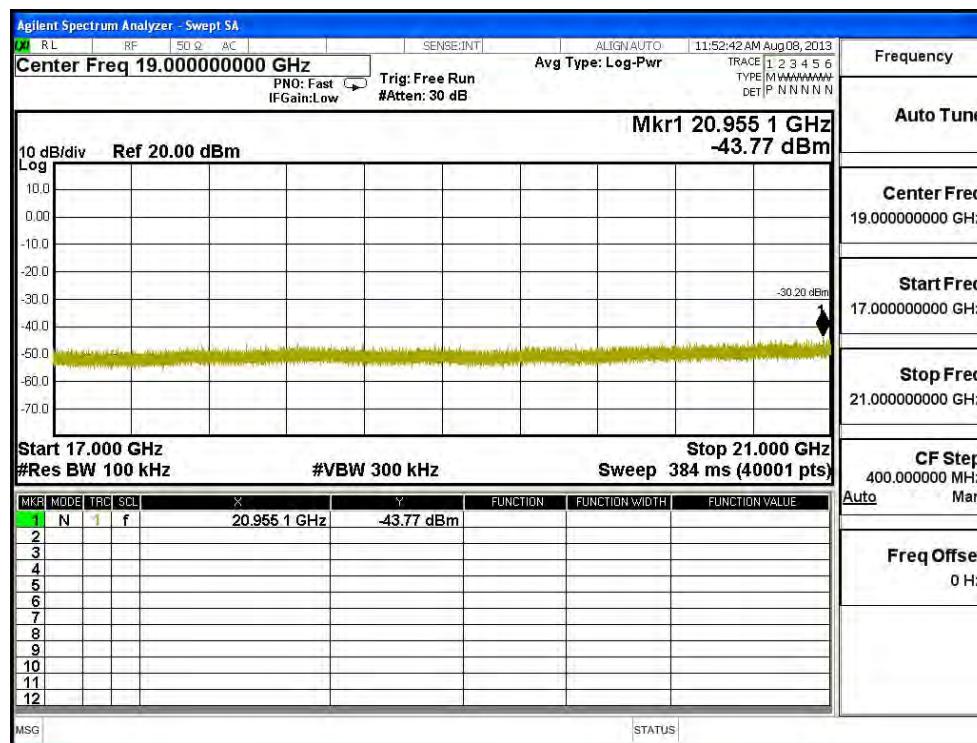
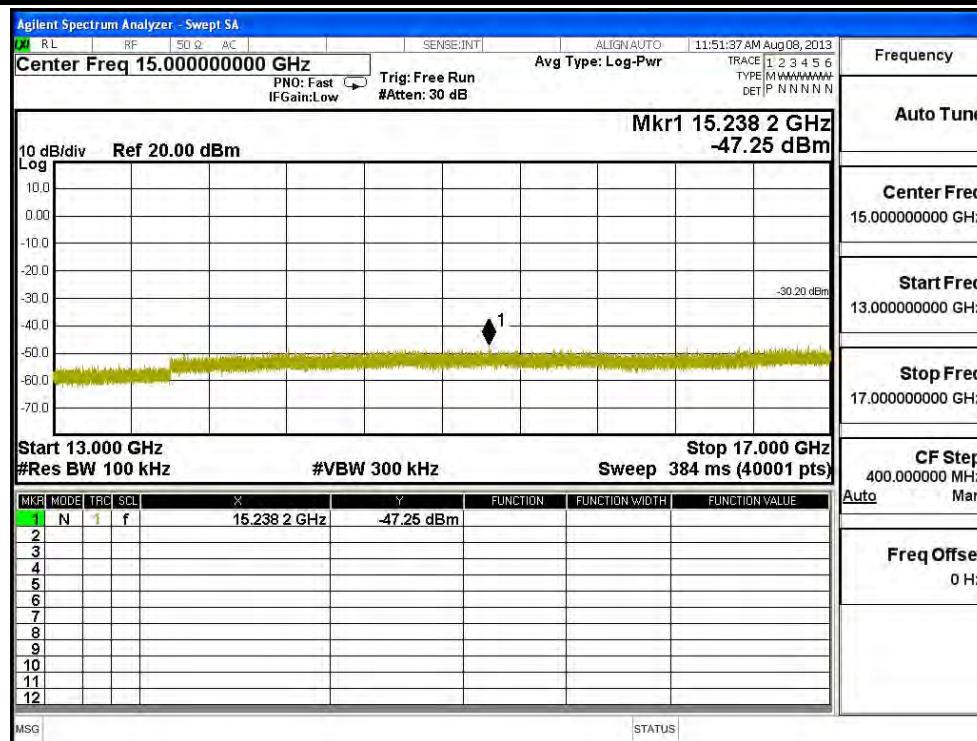


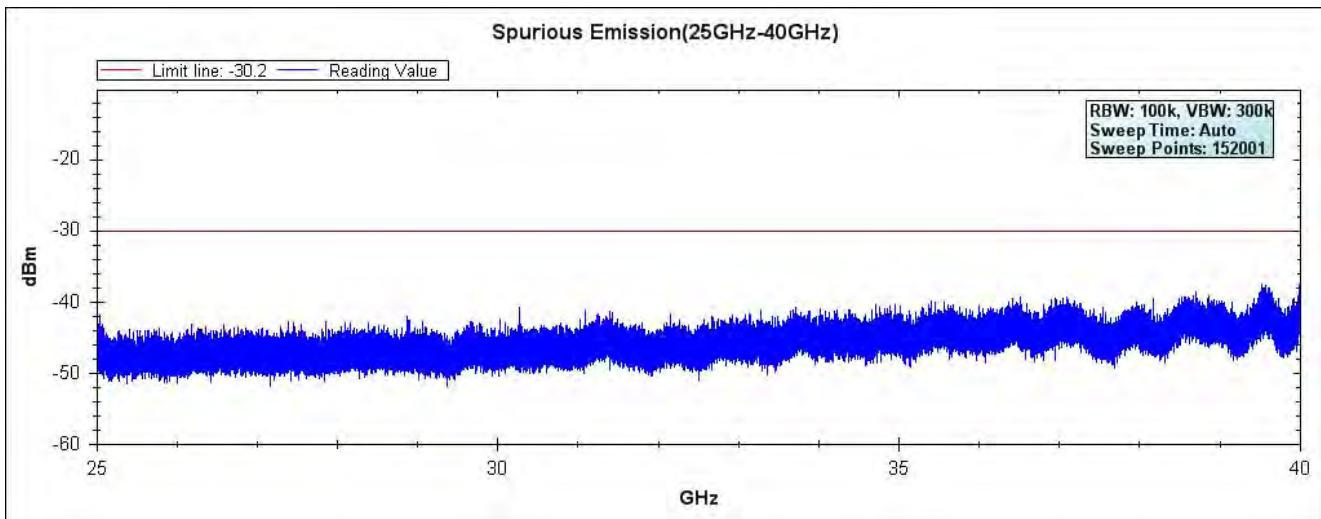
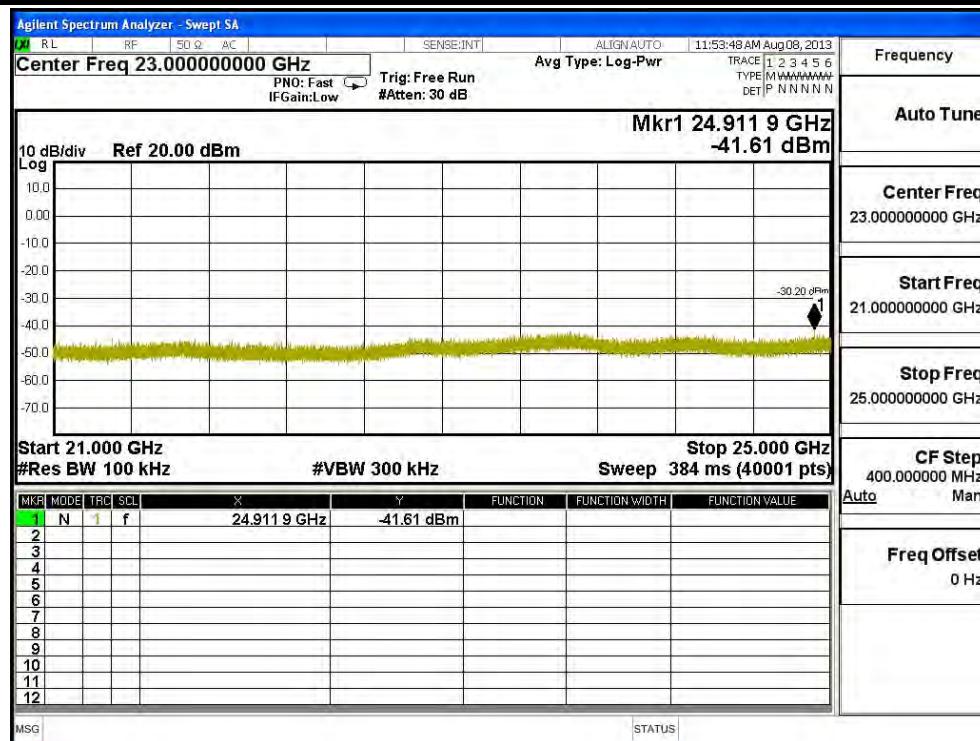




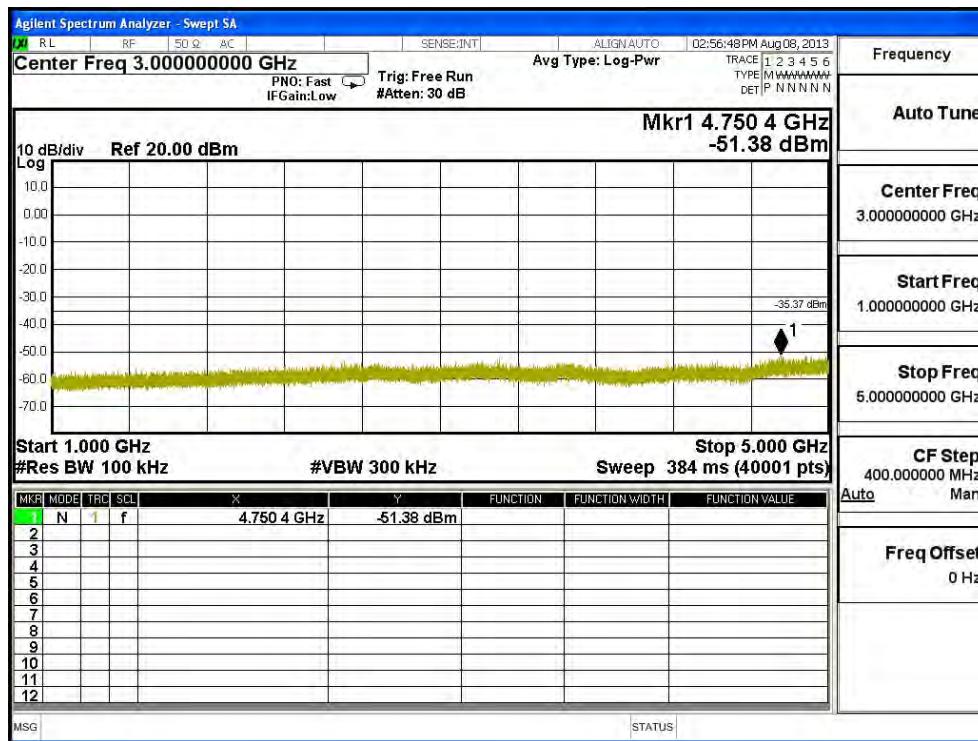
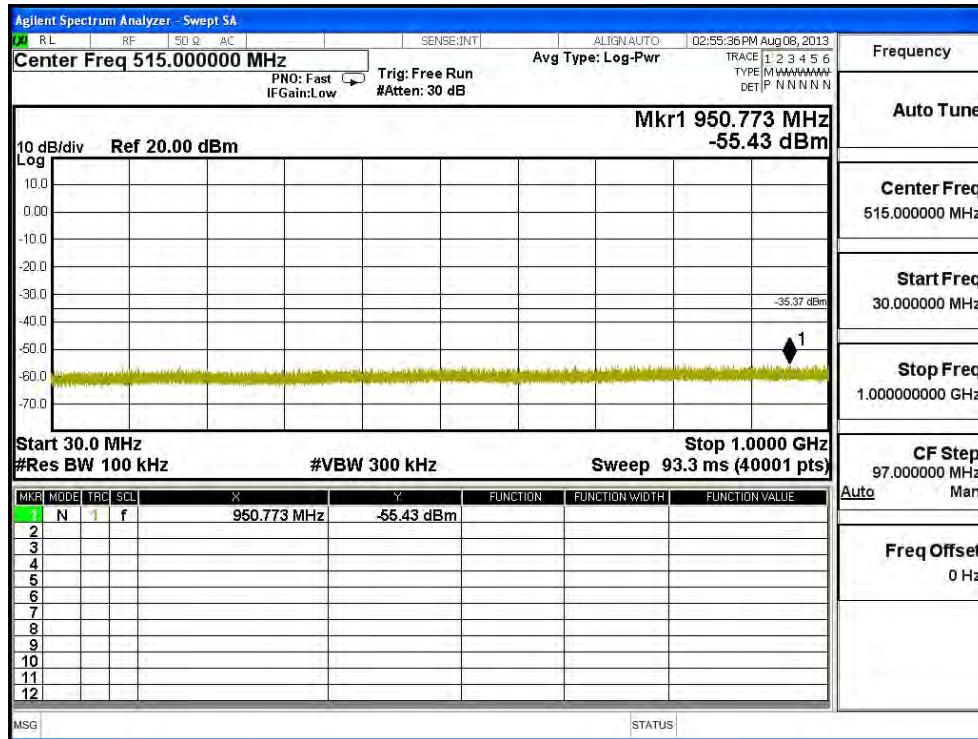
**Channel 159 (5795MHz) 30MHz -40GHz-Chain A**


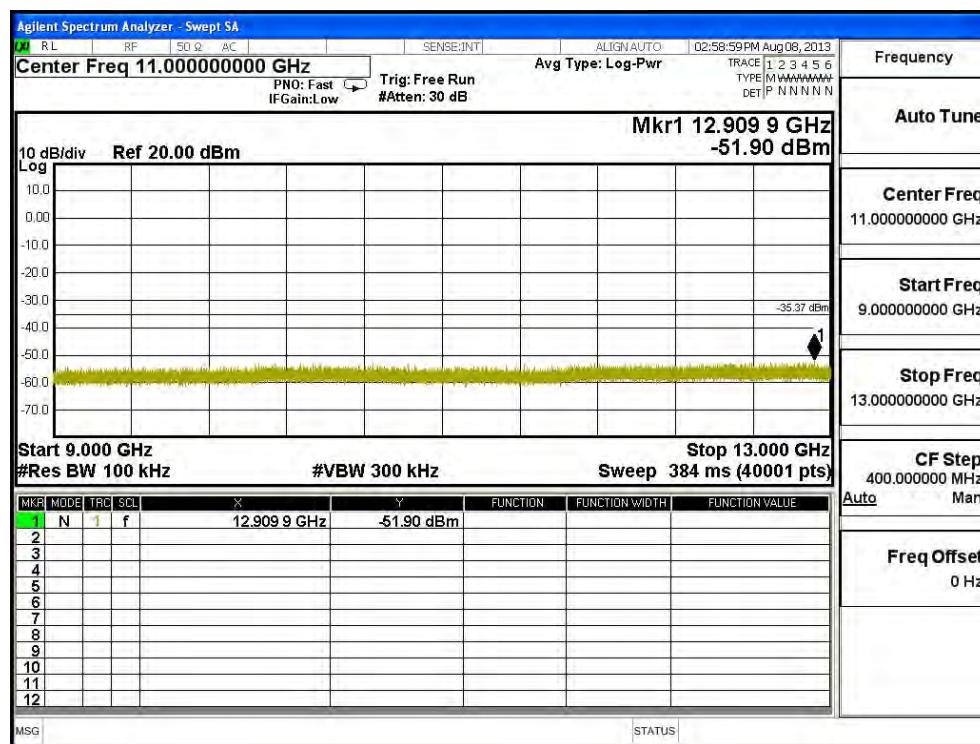
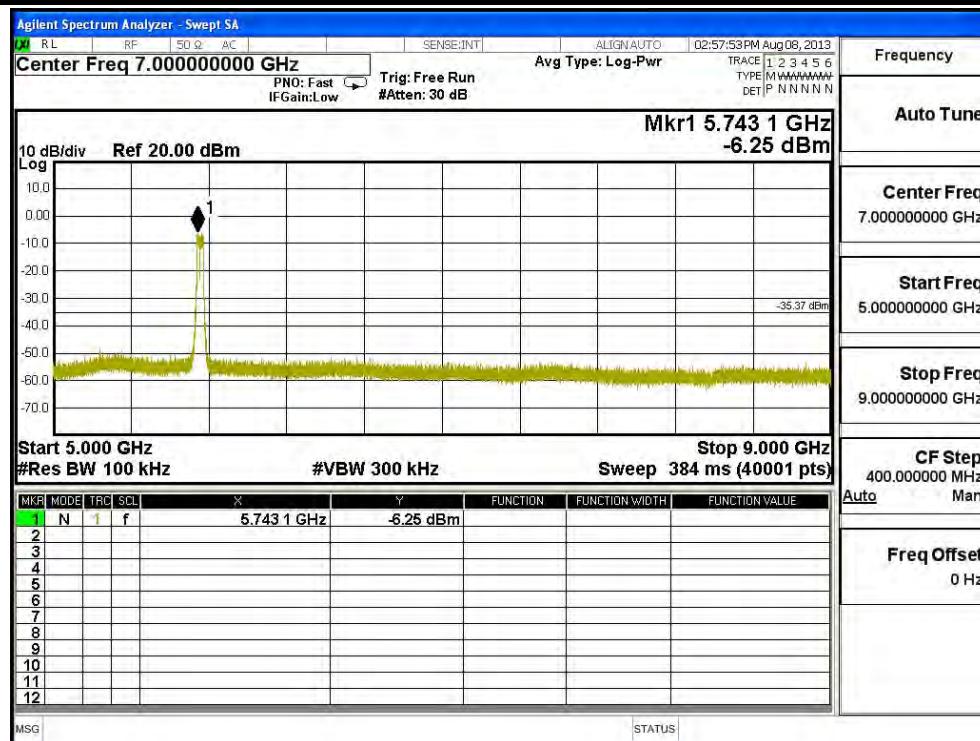


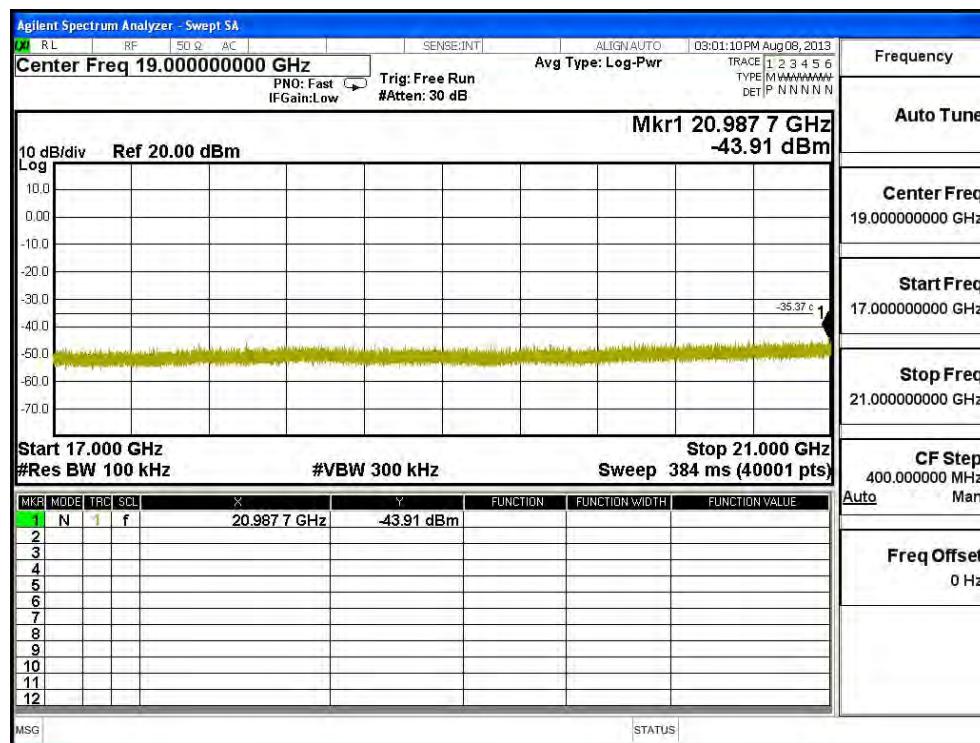
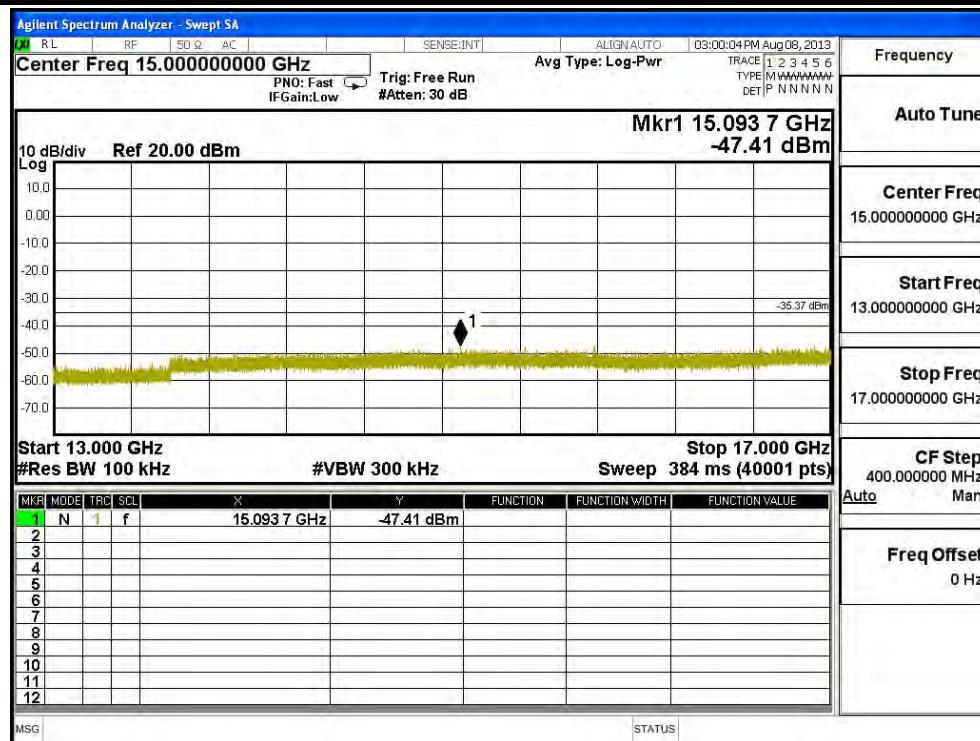


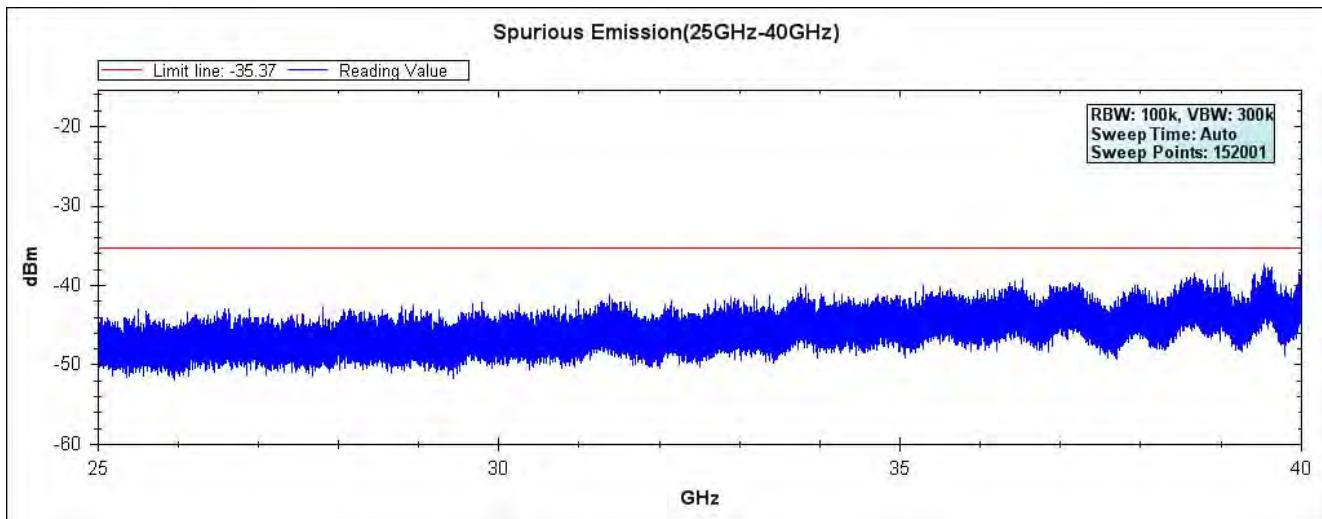


## Channel 151 (5755MHz) 30MHz -40GHz-Chain B

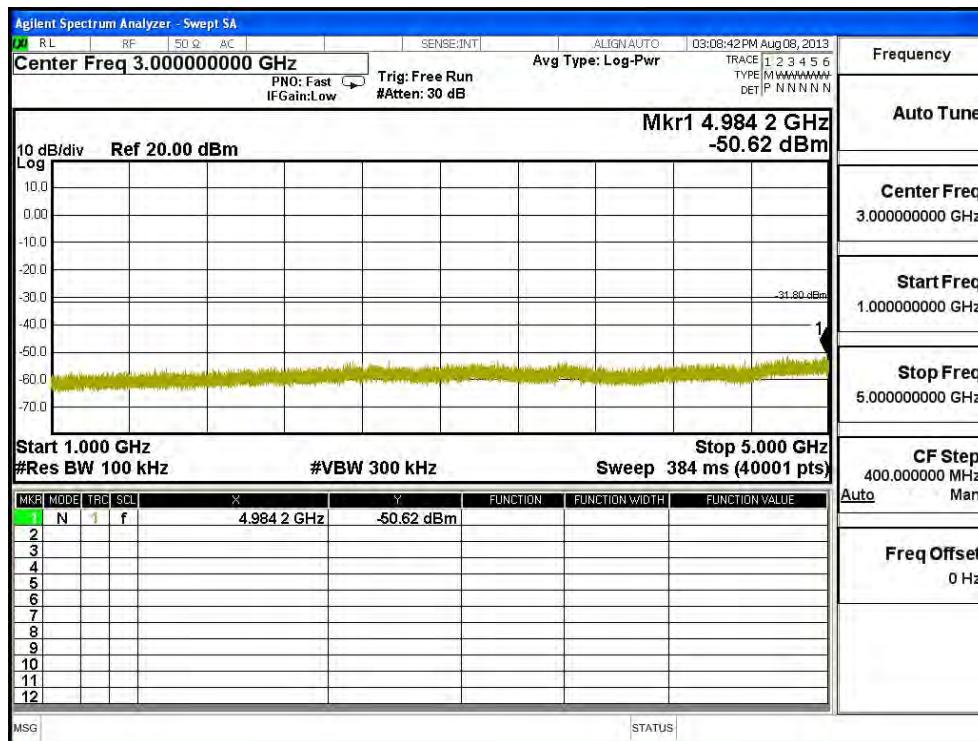
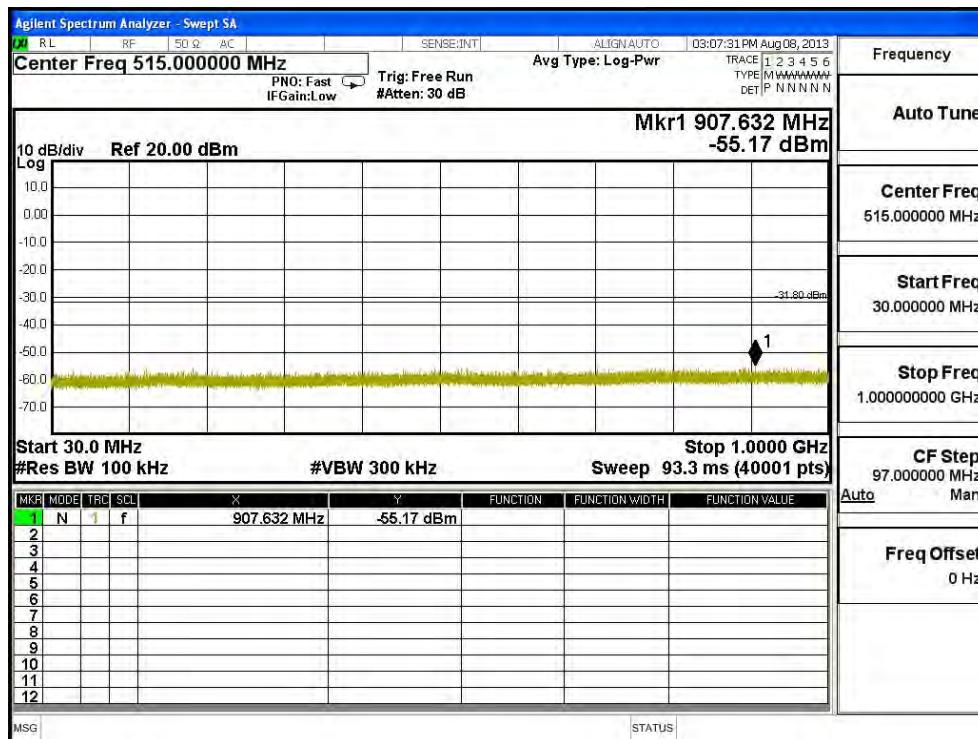


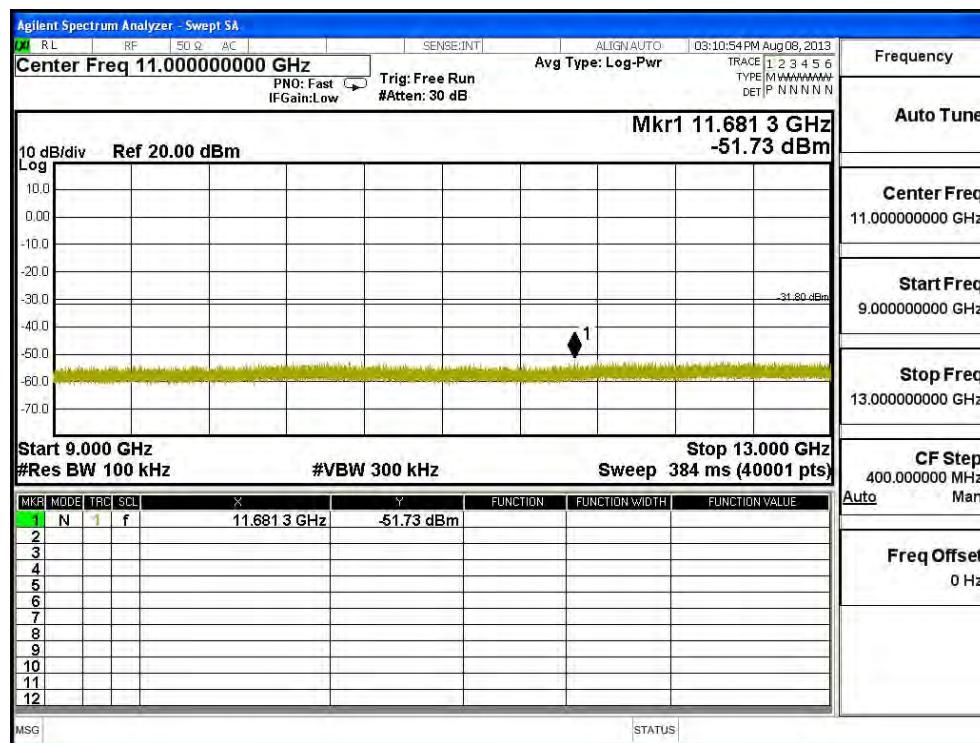
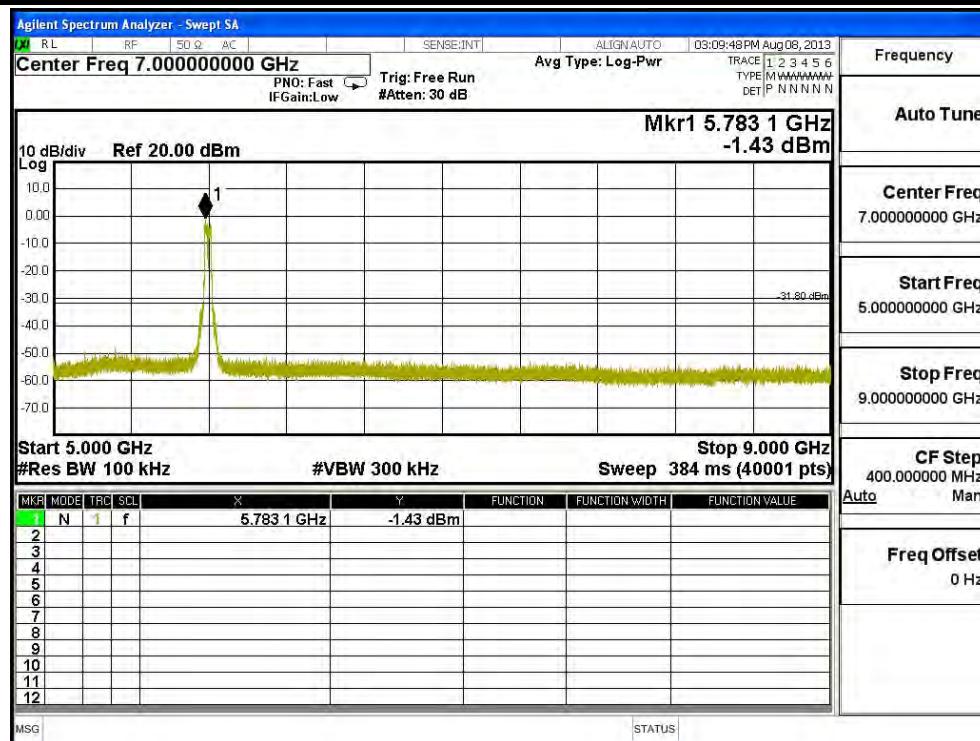


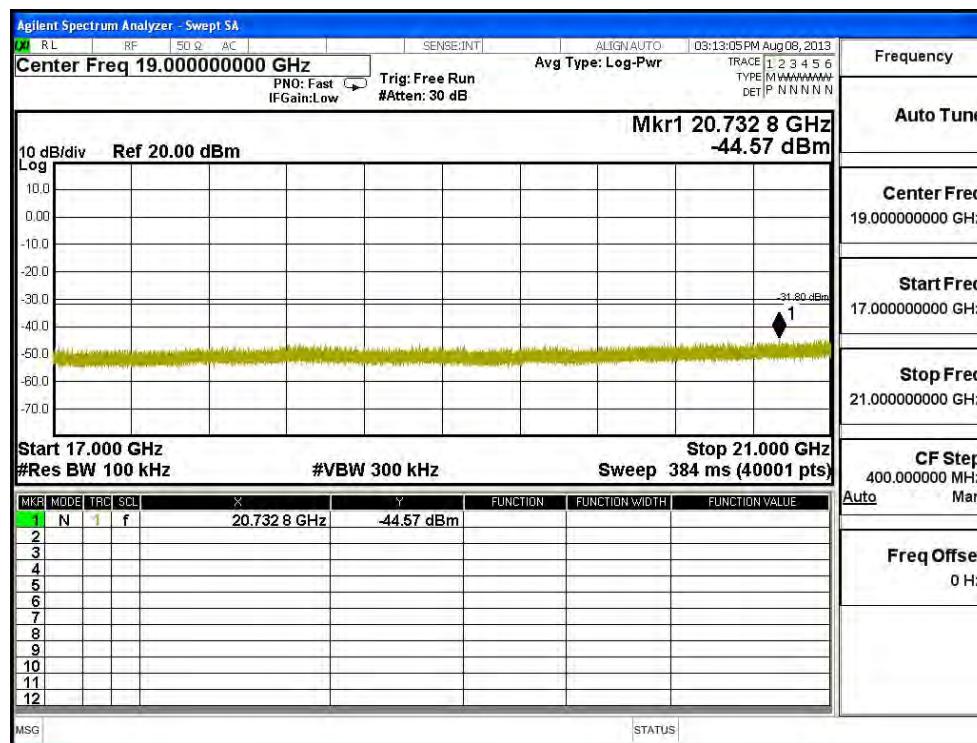
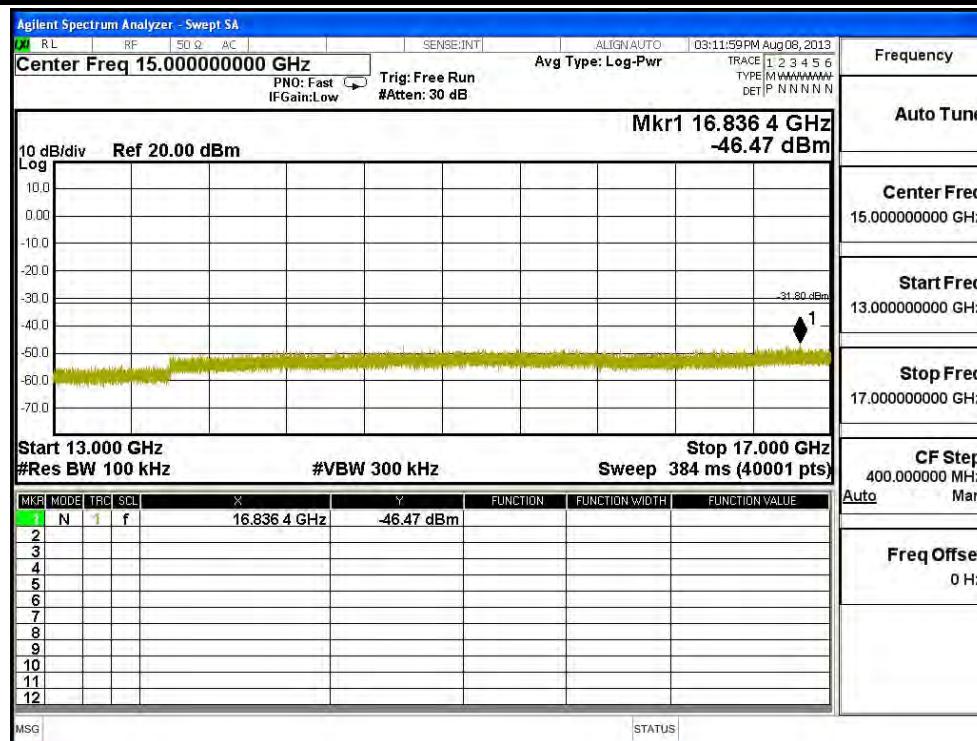


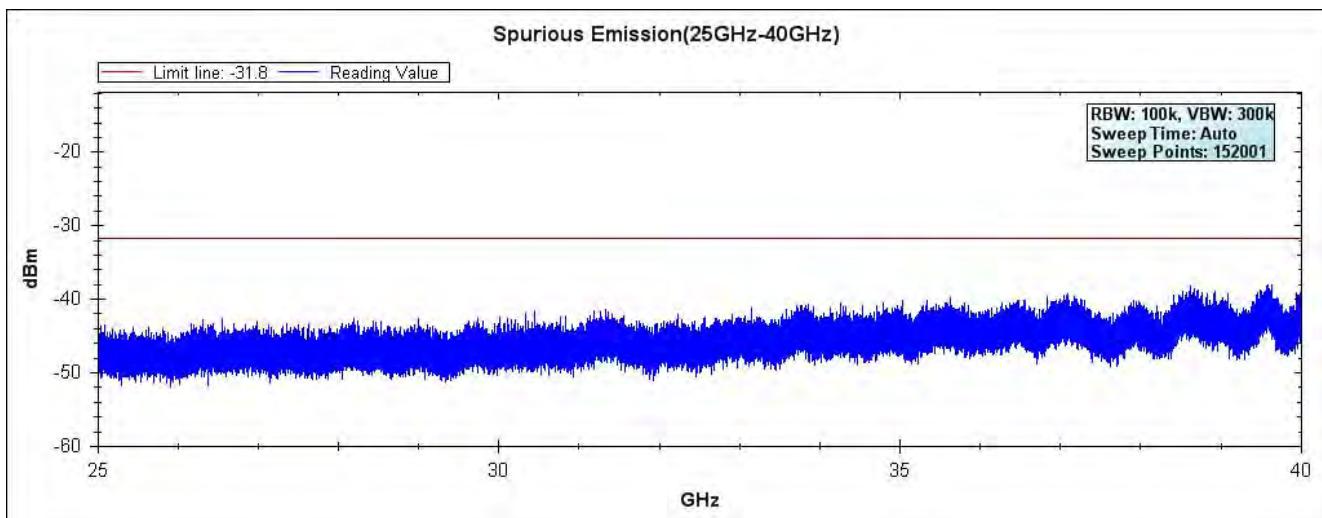
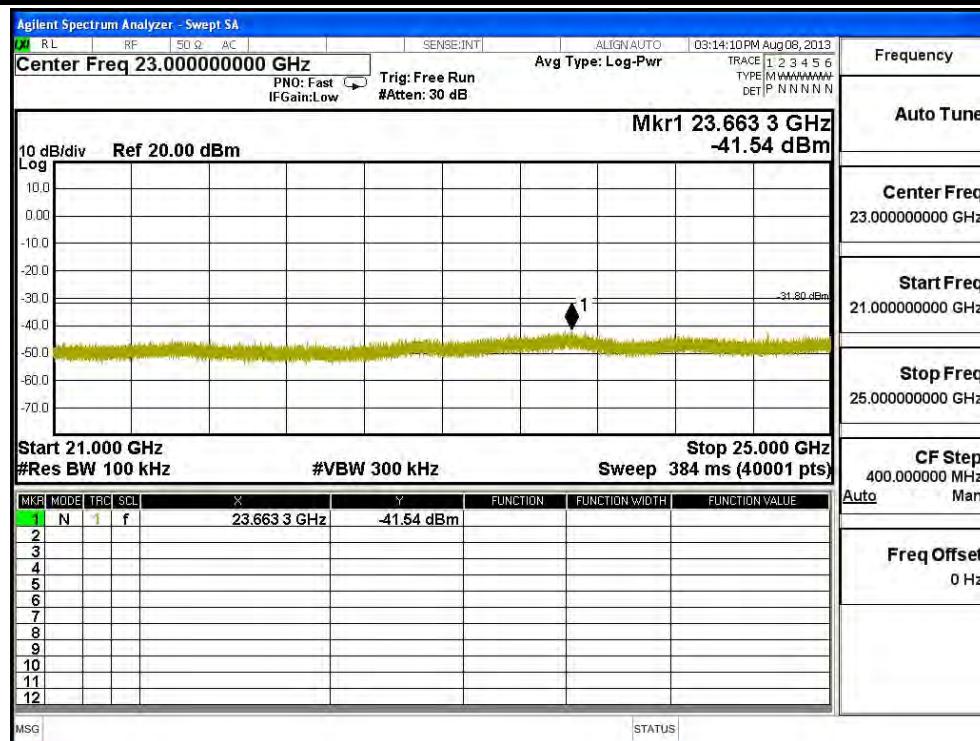


### Channel 159 (5795MHz) 30MHz -40GHz-Chain B

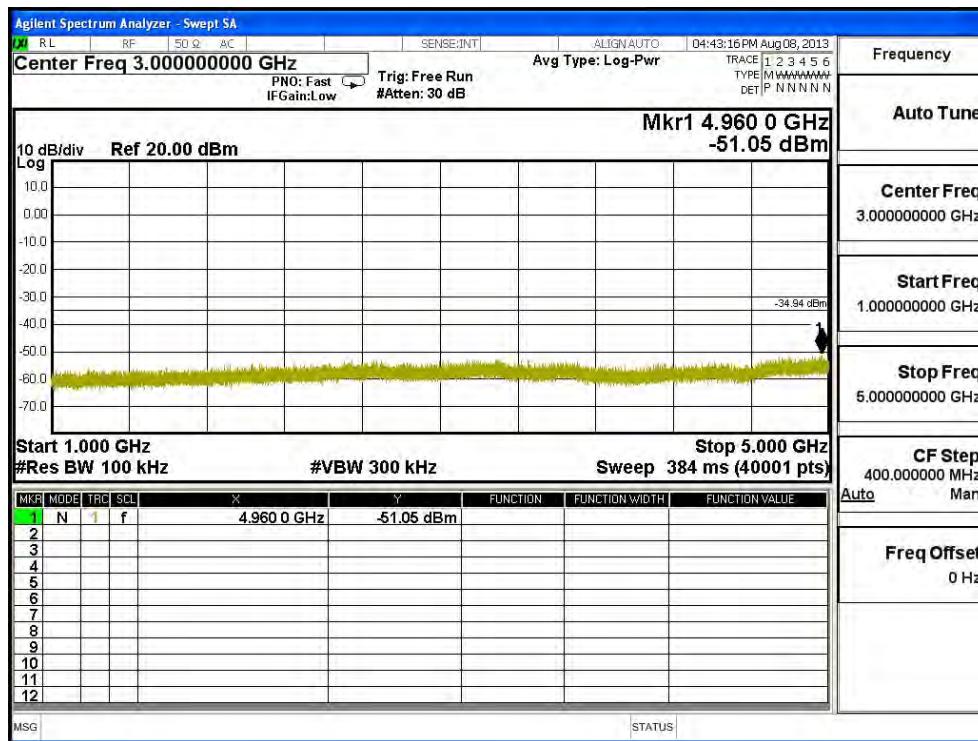
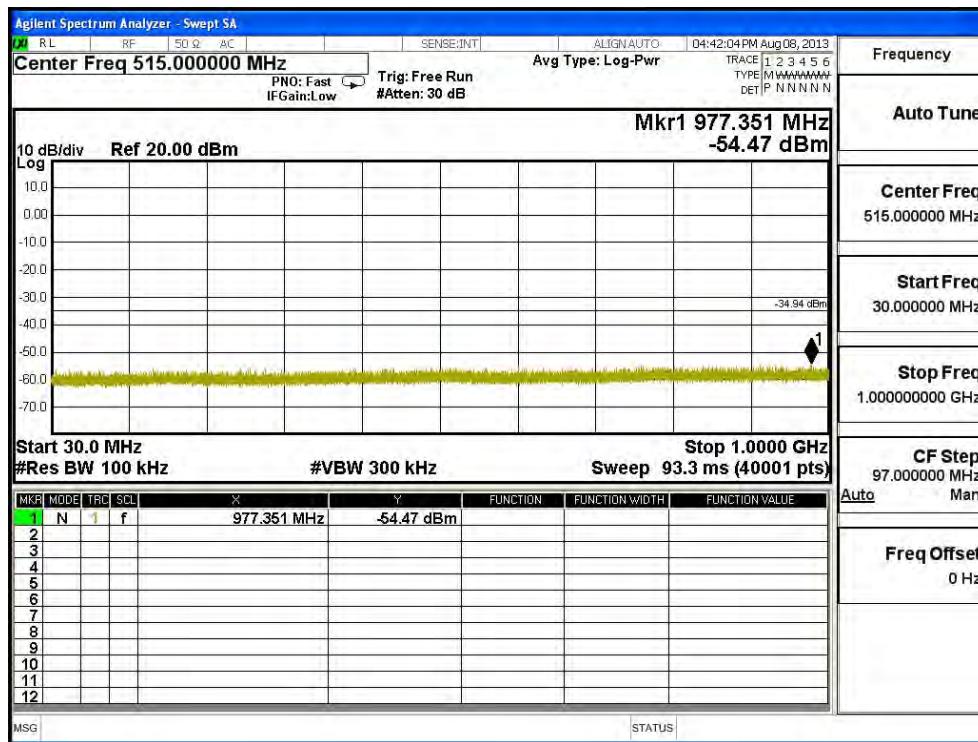


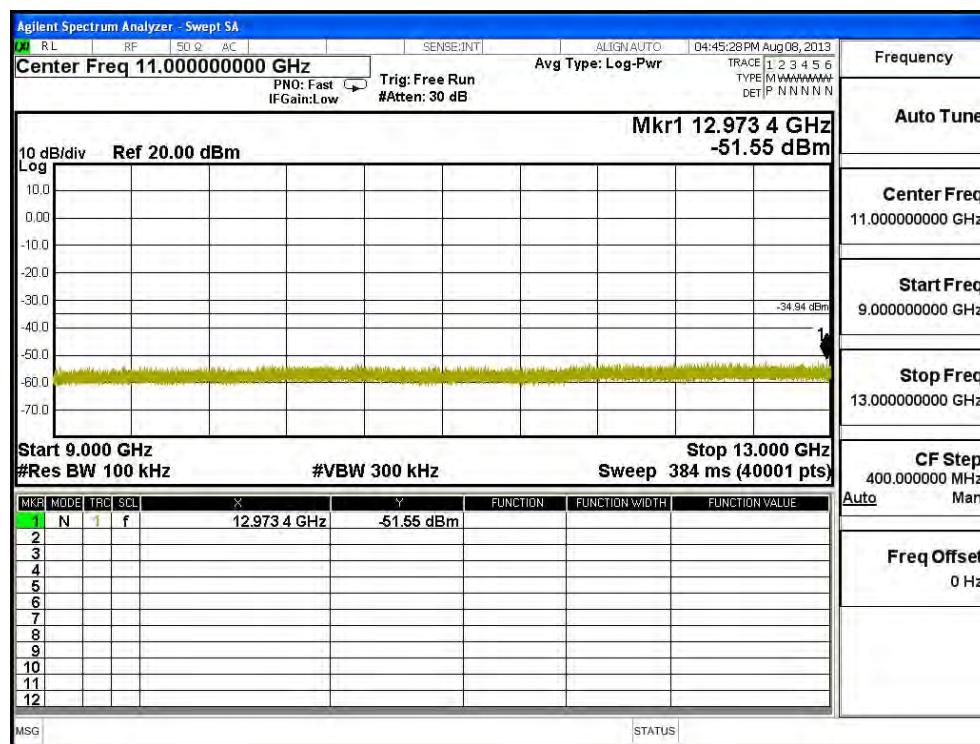
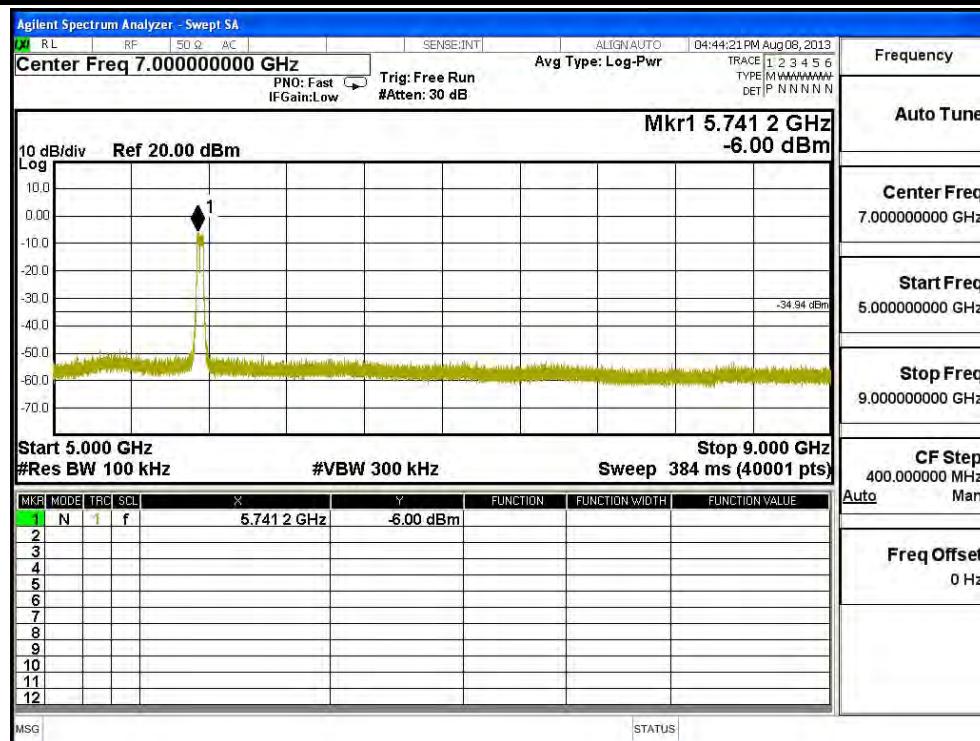


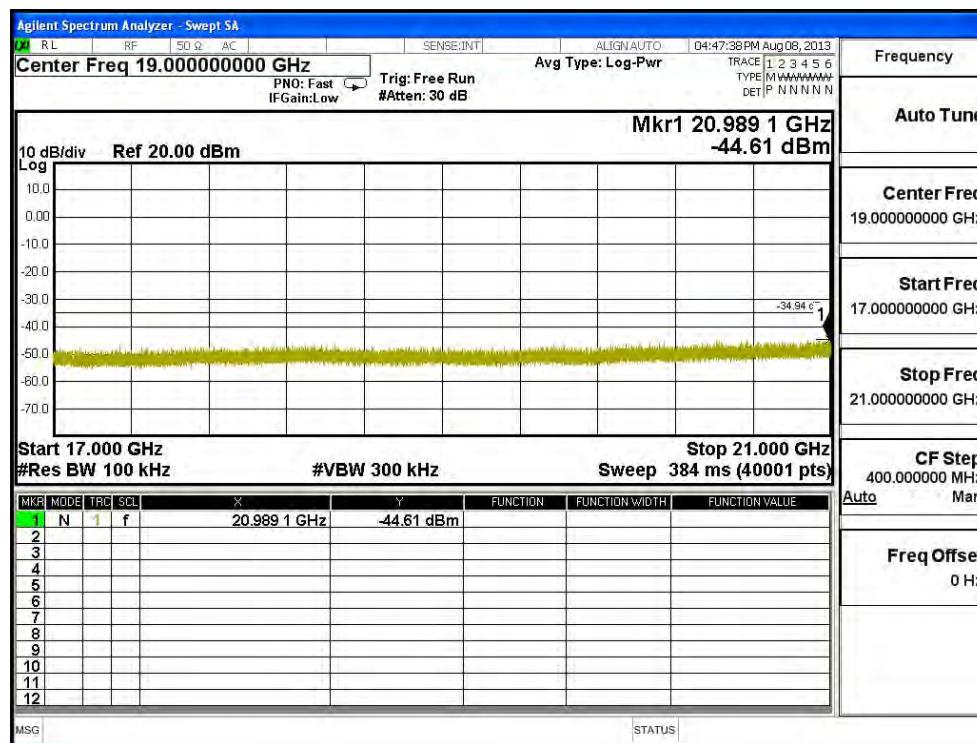
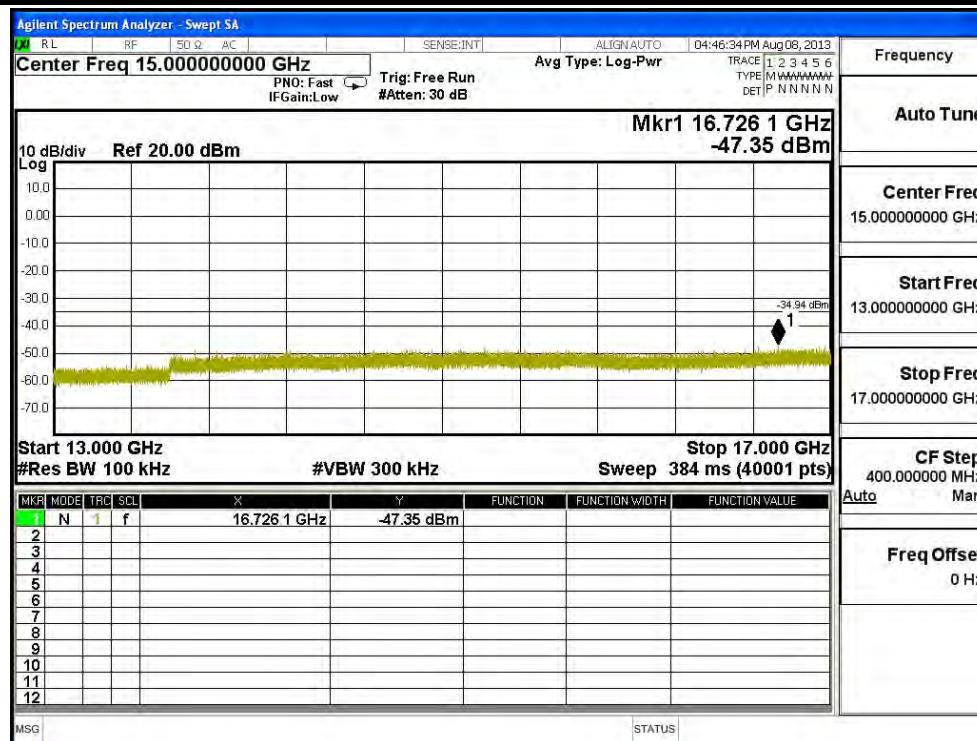


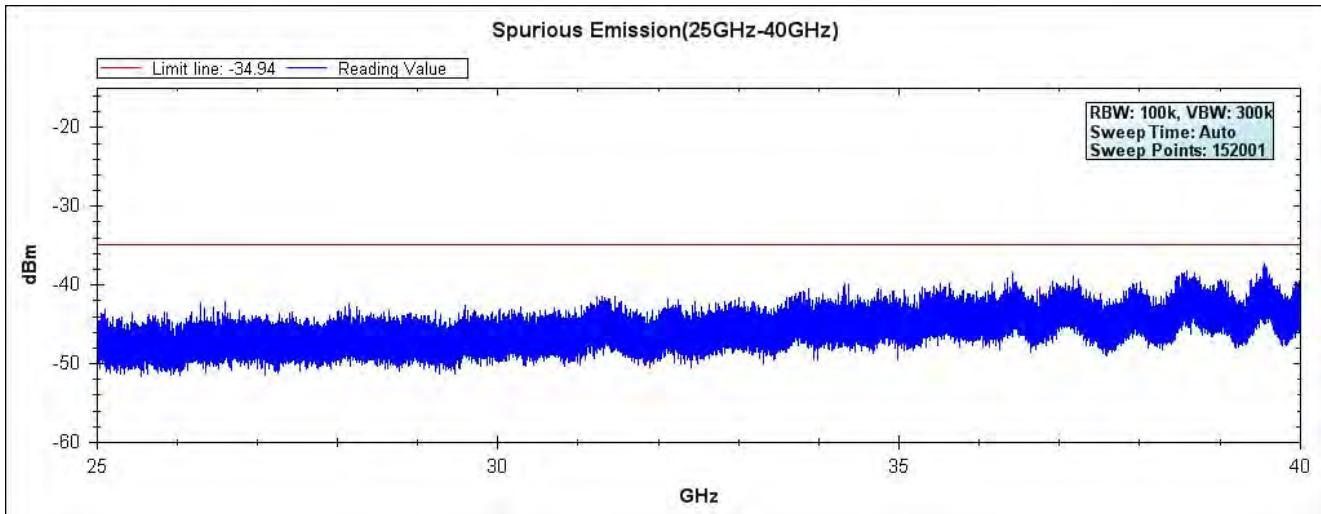
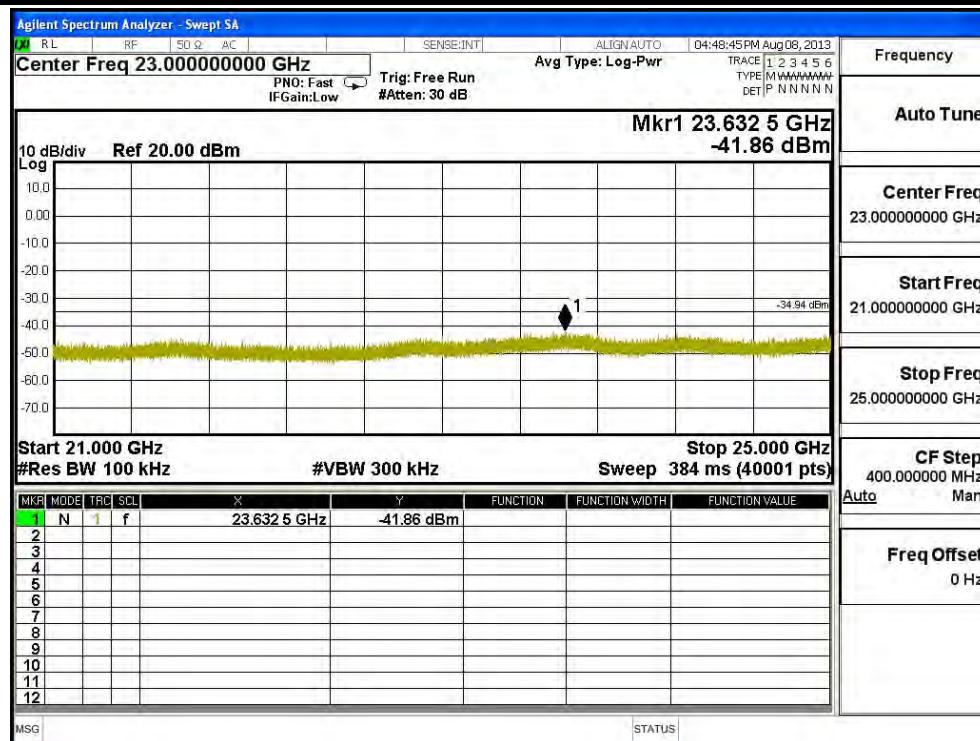


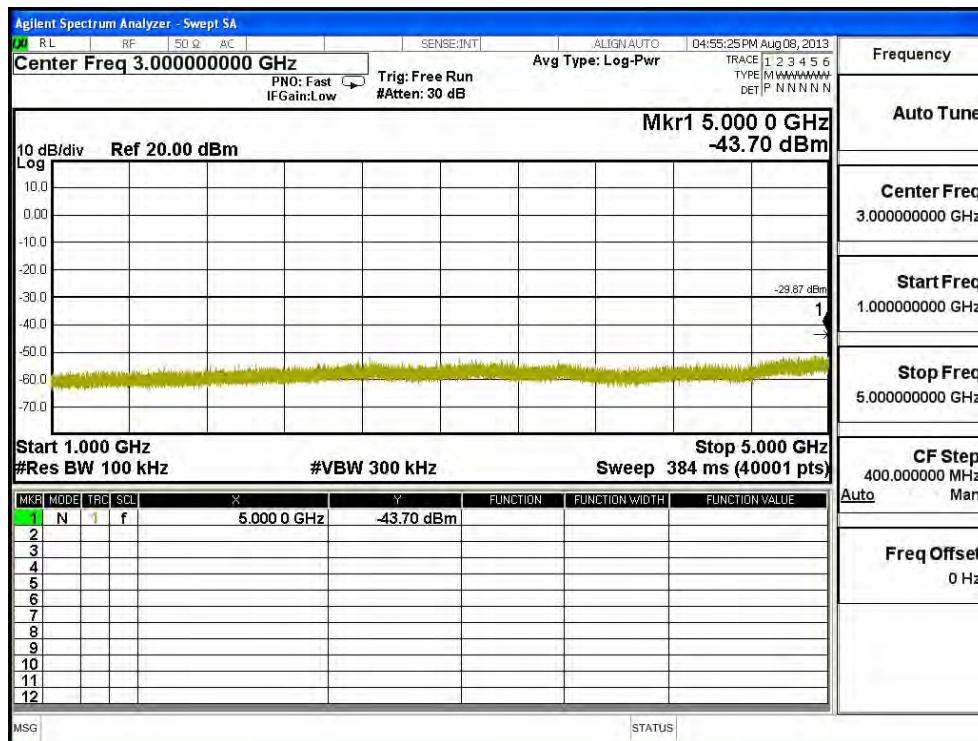
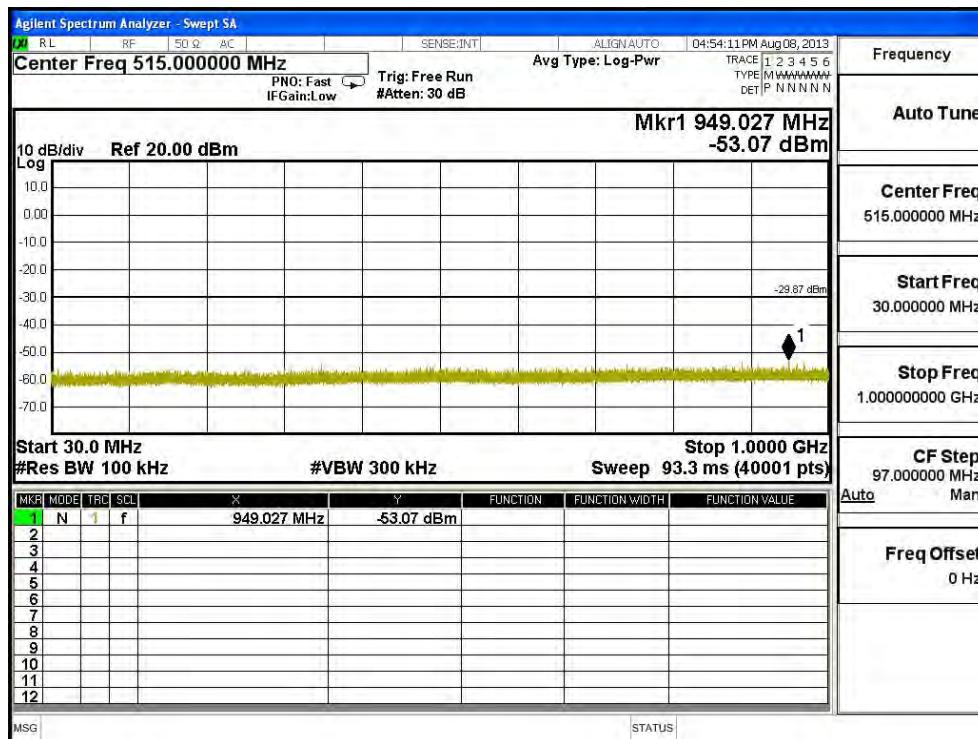
## Channel 151 (5755MHz) 30MHz -40GHz-Chain C

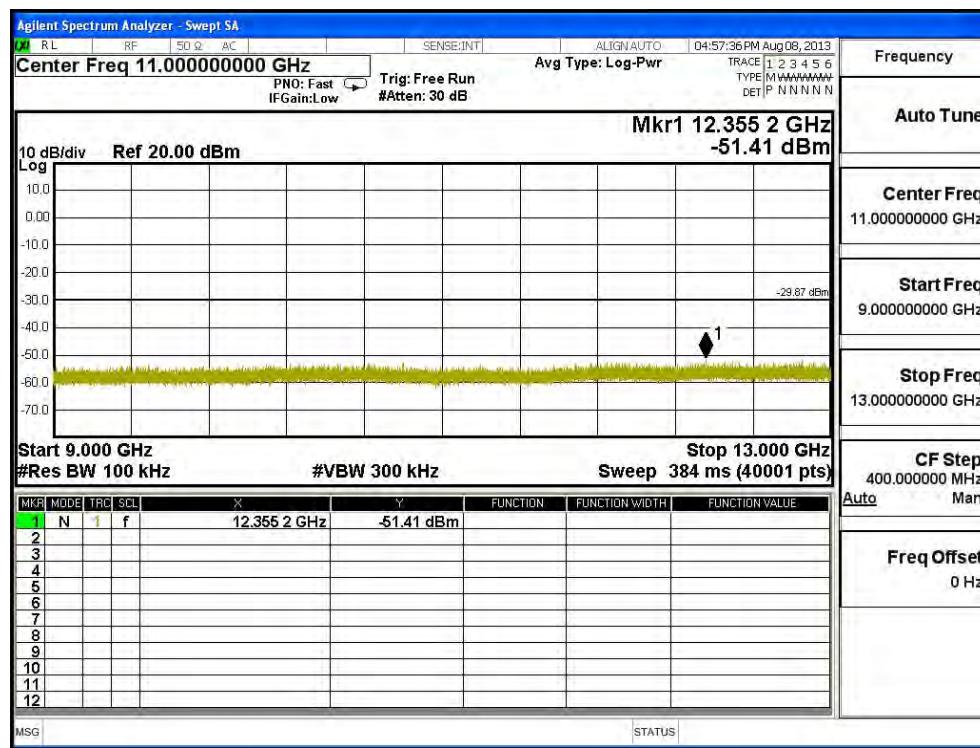
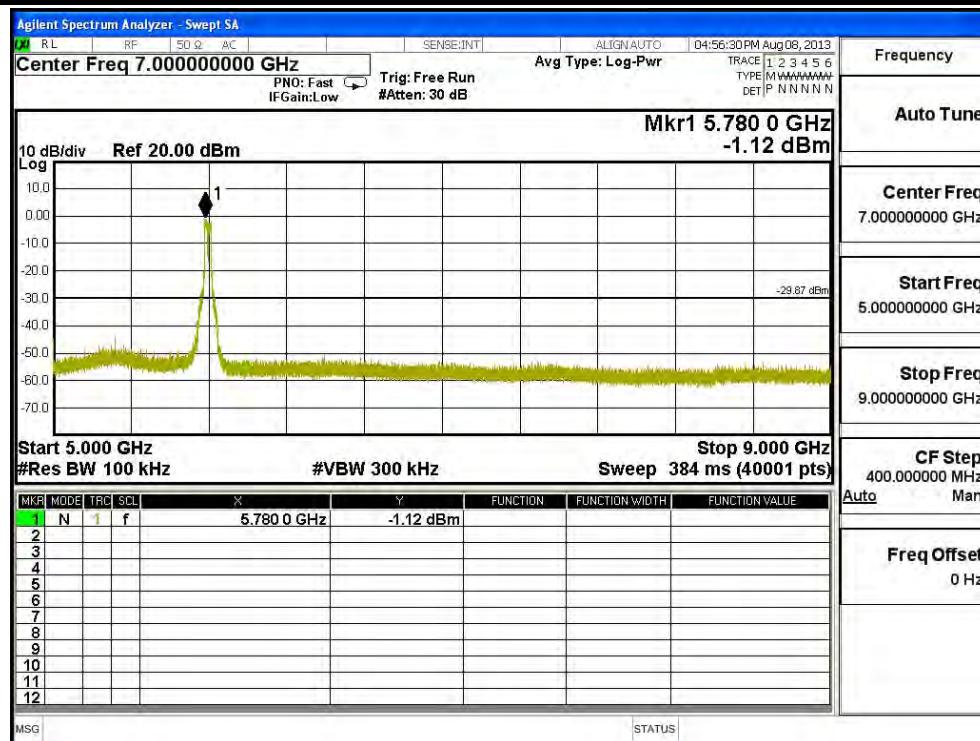


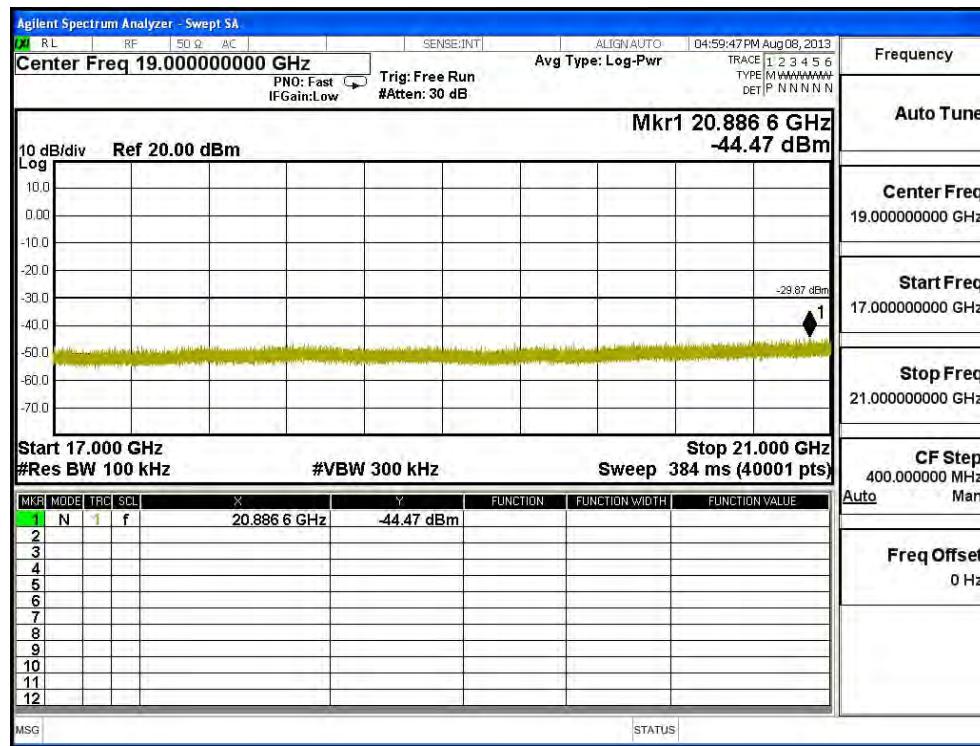
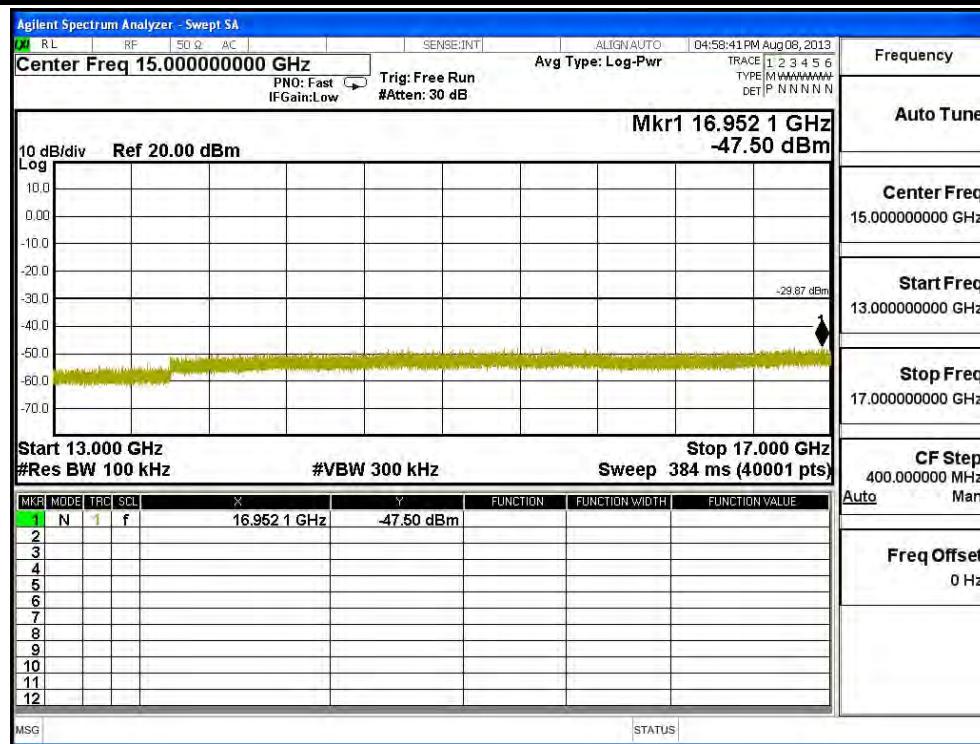


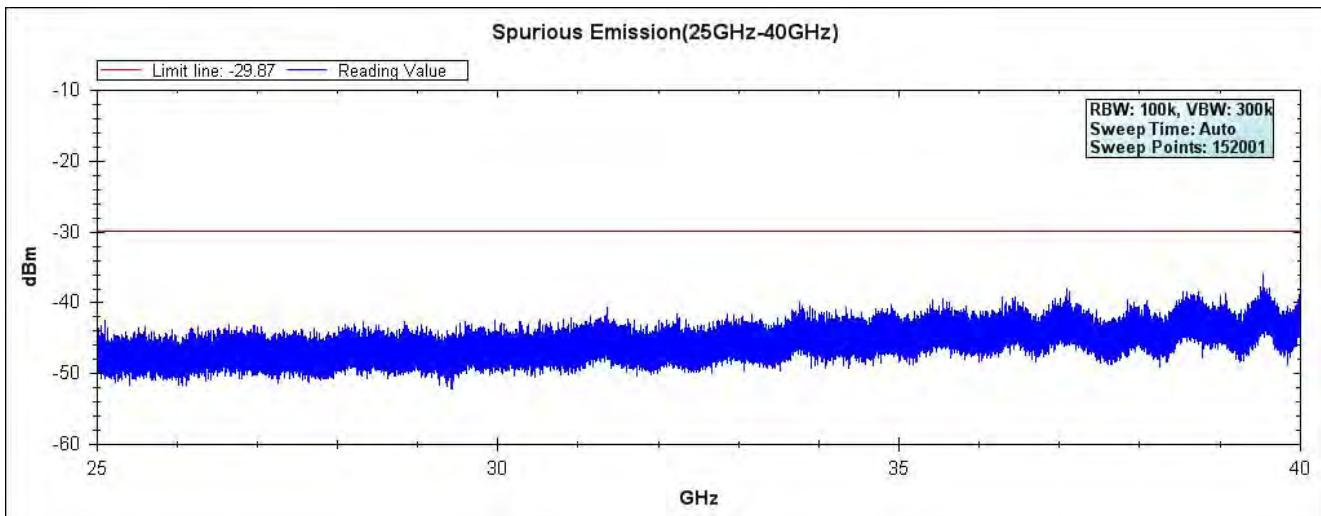
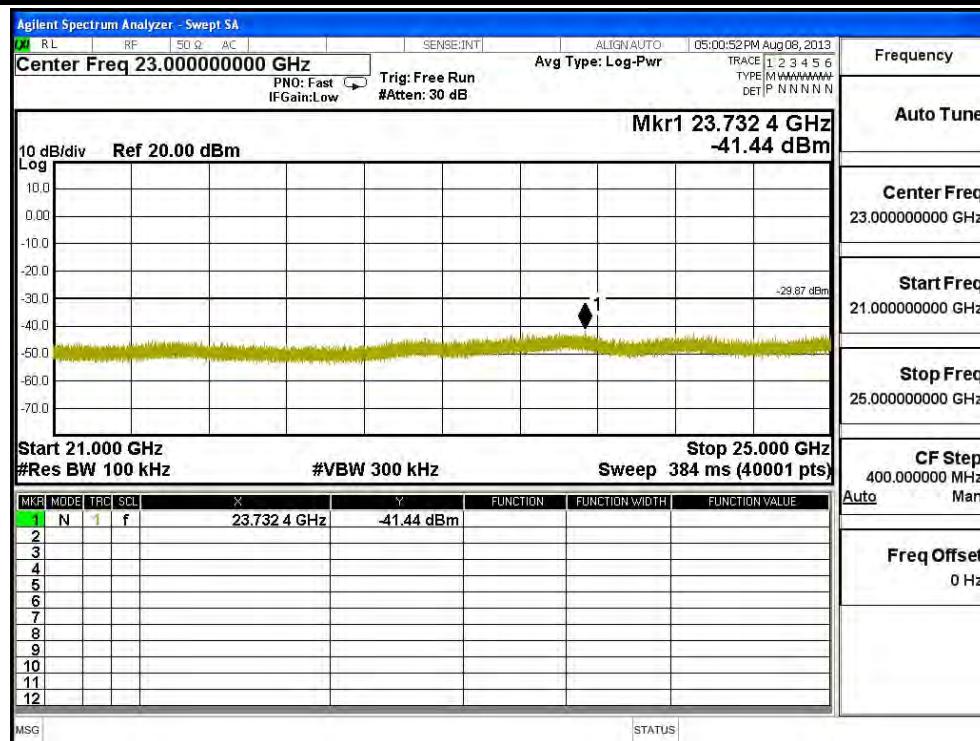




**Channel 159 (5795MHz) 30MHz -40GHz-Chain C**








## 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, 2013
Spectrum Analyzer	Agilent	E4407B / US39440758	Jun, 2013
X Spectrum Analyzer	Agilent	N9010A / MY48030495	Apr., 2013

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:

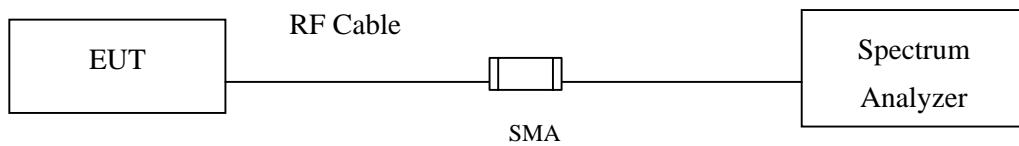
The following test equipments are used during the band edge tests:

Test Site	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
X Site # 3	Bilog Antenna	Schaffner Chase	CBL6112B/2673	Sep., 2012
	X Horn Antenna	Schwarzbeck	BBHA9120D/D305	Sep., 2012
	Horn Antenna	Schwarzbeck	BBHA9170/208	Jul., 2013
	Pre-Amplifier	QTK	QTK-AMP-03 / 0003	May, 2013
	X Pre-Amplifier	QTK	AP-180C / CHM_0906076	Sep., 2012
	Pre-Amplifier	MITEQ	AMF-4D-180400-45-6P/925975	Mar, 2013
	X Spectrum Analyzer	Agilent	E4407B / US39440758	May, 2013
	Test Receiver	R & S	ESCS 30/ 825442/018	Sep., 2012
	X Coaxial Cable	QuieTek	QTK-CABLE/ CAB5	Feb., 2013
	X Controller	QuieTek	QTK-CONTROLLER/ CTRL3	N/A
	X Coaxial Switch	Anritsu	MP59B/6200265729	N/A

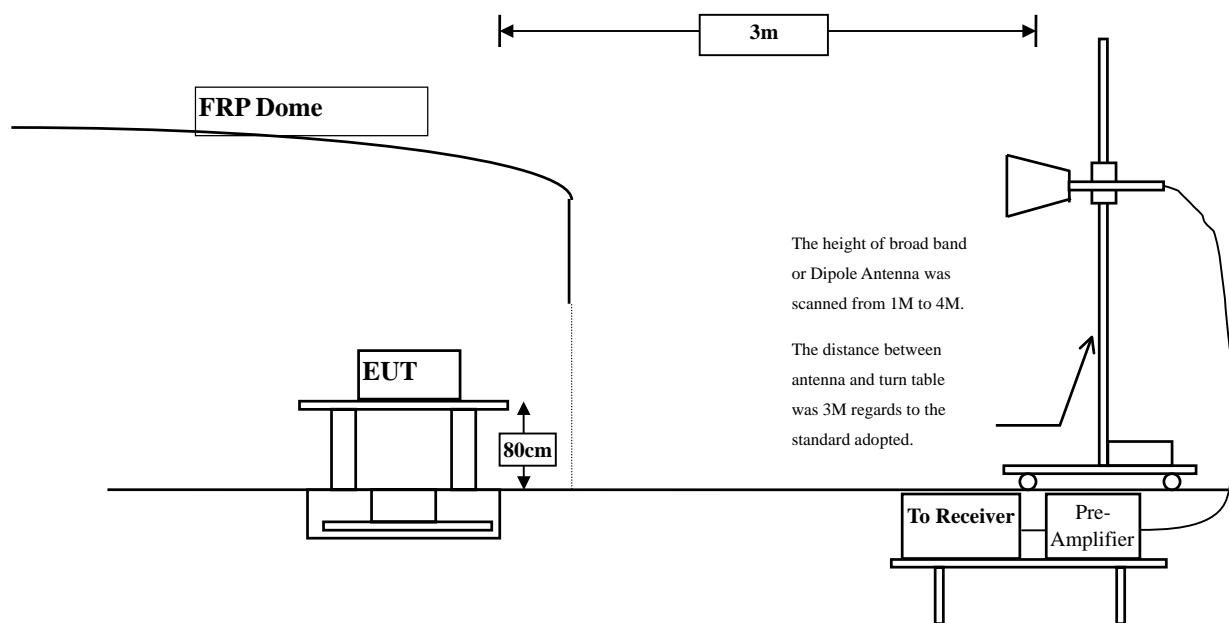
- Note:
1. All instruments are calibrated every one year.
  2. The test instruments marked by “X” are used to measure the final test results.

## 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 C63.10, 2009 and tested according to DTS test procedure of 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 C63.10:2009 on radiated measurement.

## **6.5. Uncertainty**

± 3.9 dB above 1GHz

± 3.8 dB below 1GHz

## 6.6. Test Result of Band Edge

Product : SpectraGuard® 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)	2390.000	31.509	36.585	68.094	74.00	54.00	Pass
01 (Peak)	2411.000	31.630	87.111	118.741	--	--	Pass
01 (Average)	2390.000	31.509	19.732	51.241	74.00	54.00	Pass
01 (Average)	2411.200	31.632	81.278	112.910	--	--	Pass

Figure Channel 01:

Horizontal (Peak)

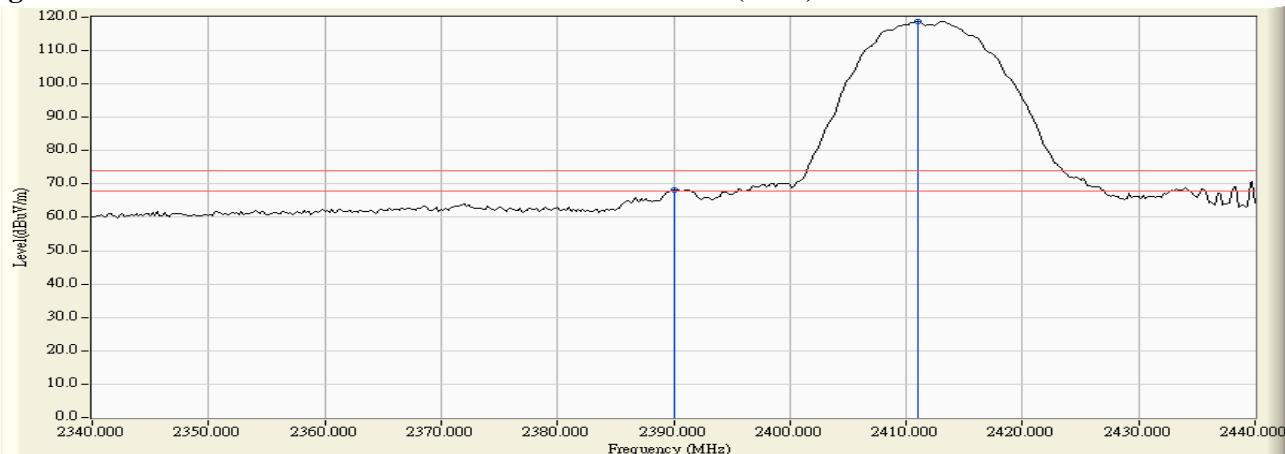
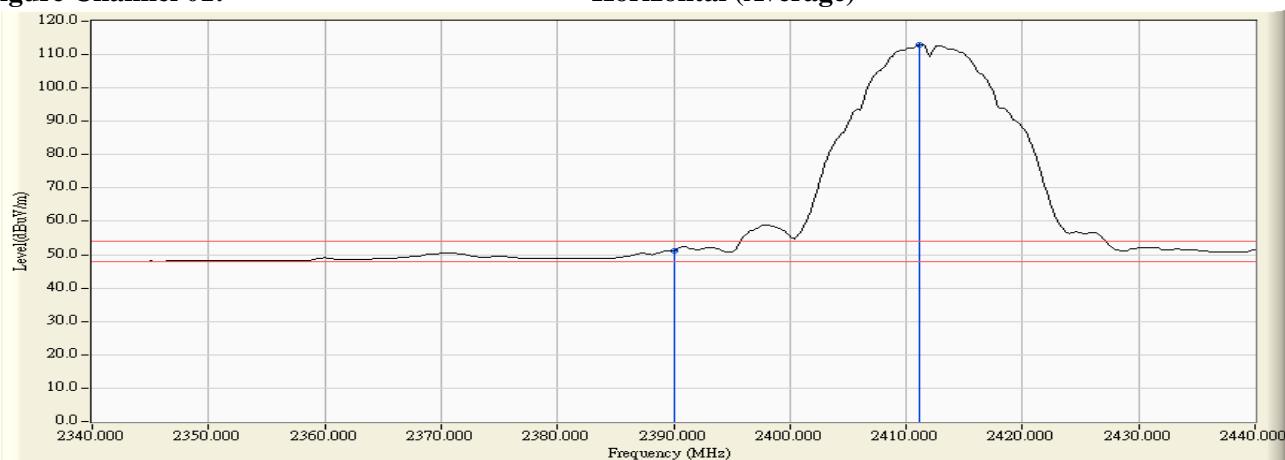


Figure Channel 01:

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 : SpectraGuard® 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)	2387.600	30.926	27.361	58.287	74.00	54.00	Pass
01 (Peak)	2390.000	30.915	26.059	56.974	74.00	54.00	Pass
01 (Peak)	2414.600	30.967	73.058	104.025	--	--	Pass
01 (Average)	2390.000	30.915	14.873	45.788	74.00	54.00	Pass
01 (Average)	2414.800	30.968	69.884	100.852	--	--	Pass

Figure Channel 01:

Vertical (Peak)

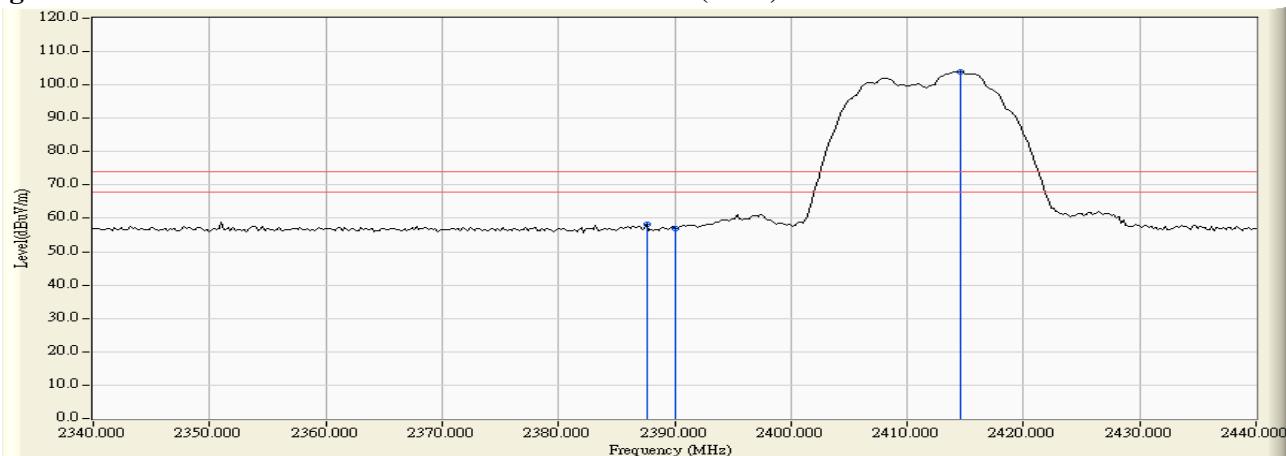
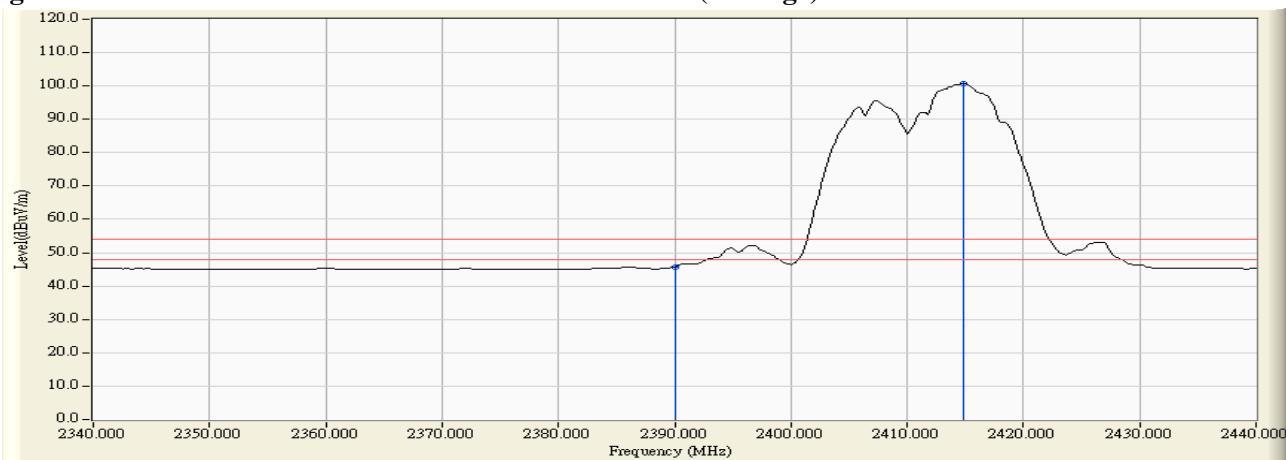


Figure Channel 01:

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 : SpectraGuard® 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)	2458.100	31.990	80.081	112.071	--	--	Pass
11 (Peak)	2483.500	32.182	28.643	60.825	74.00	54.00	Pass
11 (Average)	2459.100	31.998	76.878	108.875	--	--	Pass
11 (Average)	2483.500	32.182	17.392	49.574	74.00	54.00	Pass

Figure Channel 11:

Horizontal (Peak)

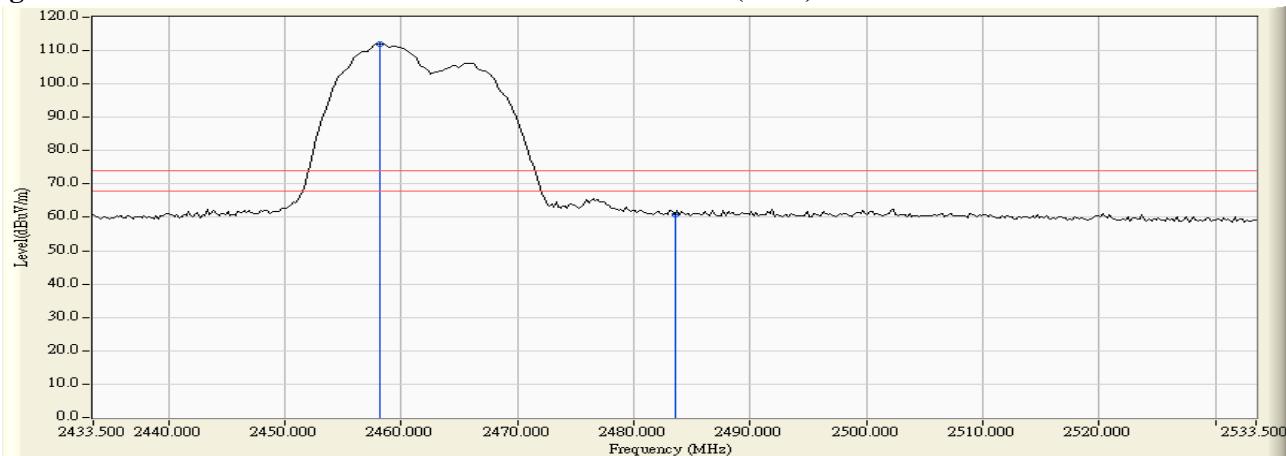


Figure Channel 11:

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 : SpectraGuard® 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)	2460.500	31.280	70.491	101.771	--	--	Pass
11 (Peak)	2483.500	31.435	25.540	56.975	74.00	54.00	Pass
11 (Average)	2459.300	31.272	66.332	97.604	--	--	Pass
11 (Average)	2483.500	31.435	13.927	45.362	74.00	54.00	Pass

Figure Channel 11:

Vertical (Peak)

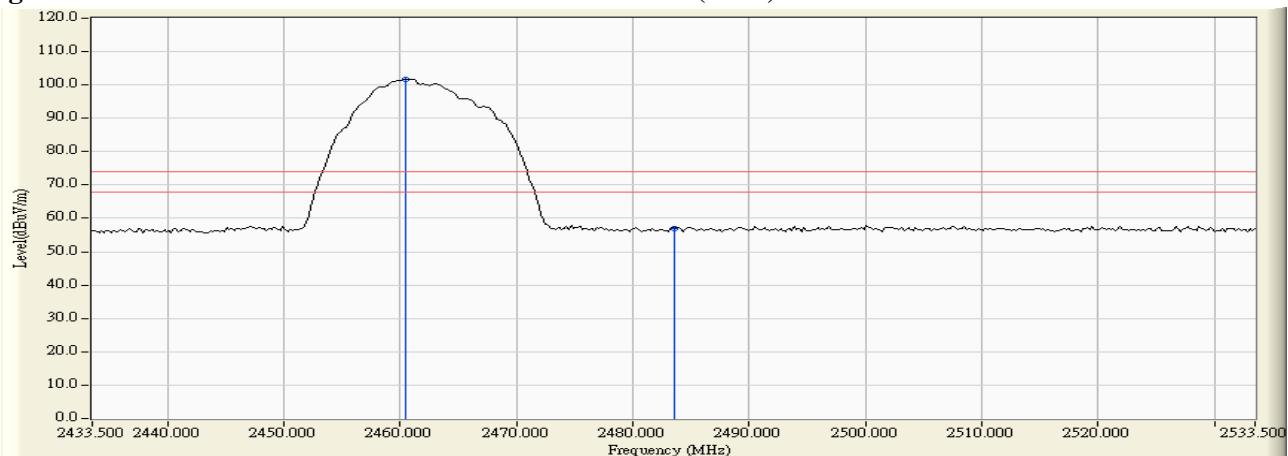
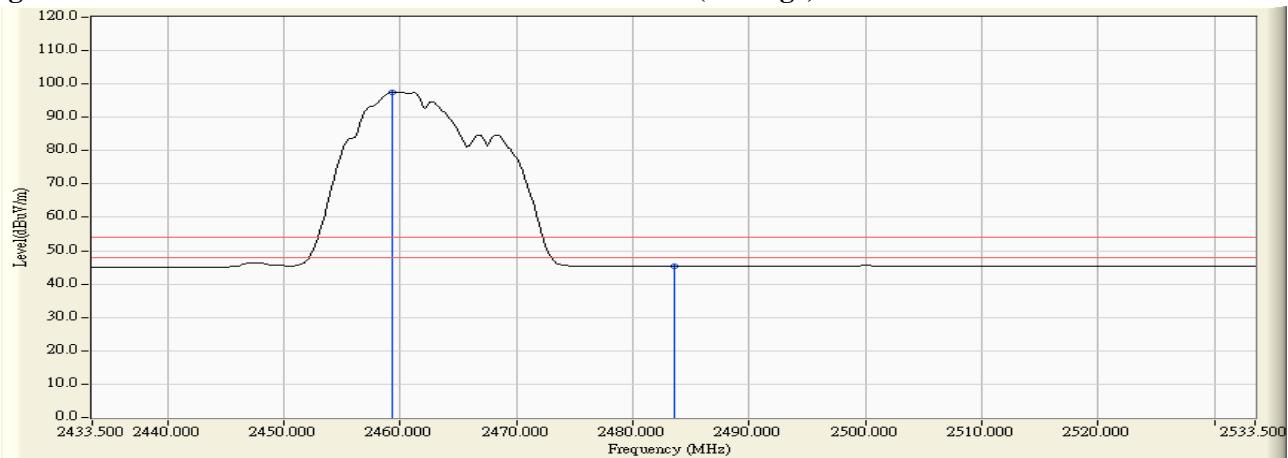


Figure Channel 11:

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 : SpectraGuard® 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	31.509	35.780	67.289	74.00	54.00	Pass
01 (Peak)	2414.800	31.660	81.796	113.456	--	--	Pass
01(Average)	2390.000	31.509	16.882	48.391	74.00	54.00	Pass
01 (Average)	2414.800	31.660	71.337	102.997	--	--	Pass

Figure Channel 01:

Horizontal (Peak)

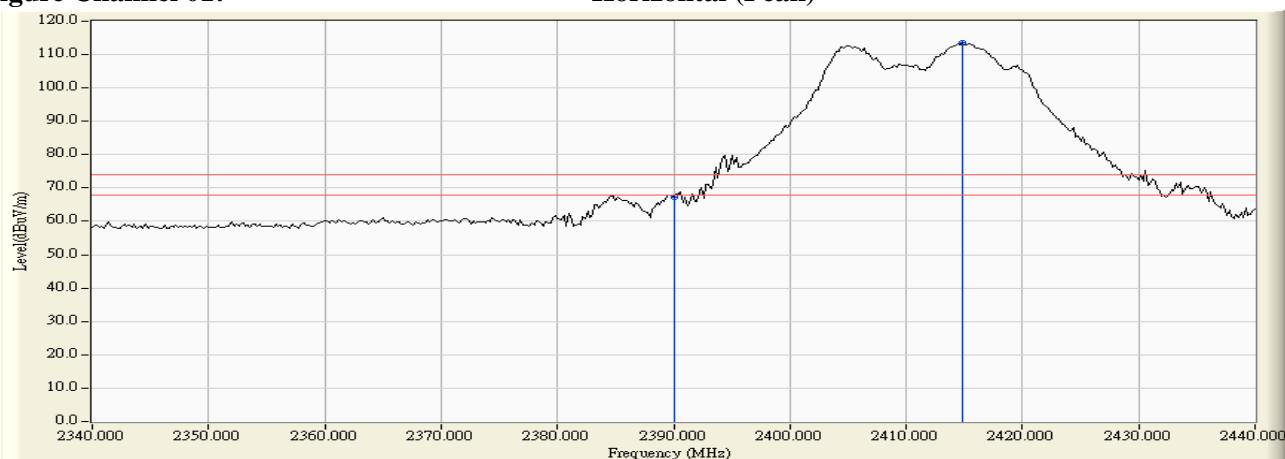
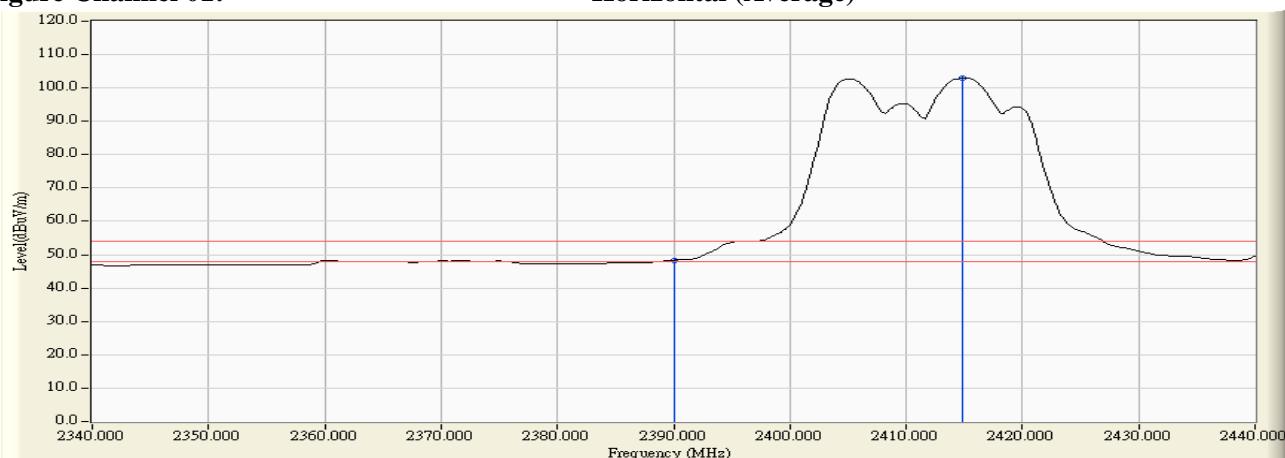


Figure Channel 01:

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 : SpectraGuard® 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)	2388.600	30.922	28.422	59.344	74.00	54.00	Pass
01 (Peak)	2390.000	30.915	25.803	56.718	74.00	54.00	Pass
01 (Peak)	2413.200	30.957	70.610	101.567	--	--	Pass
01 (Average)	2390.000	30.915	14.026	44.941	74.00	54.00	Pass
01 (Average)	2413.200	30.957	60.358	91.315	--	--	Pass

Figure Channel 01:

Vertical (Peak)

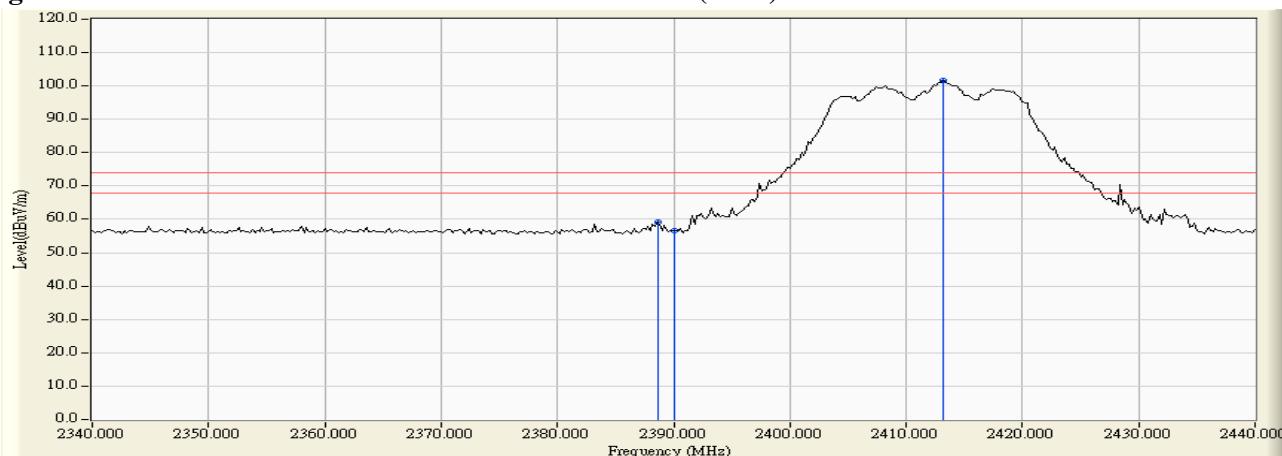
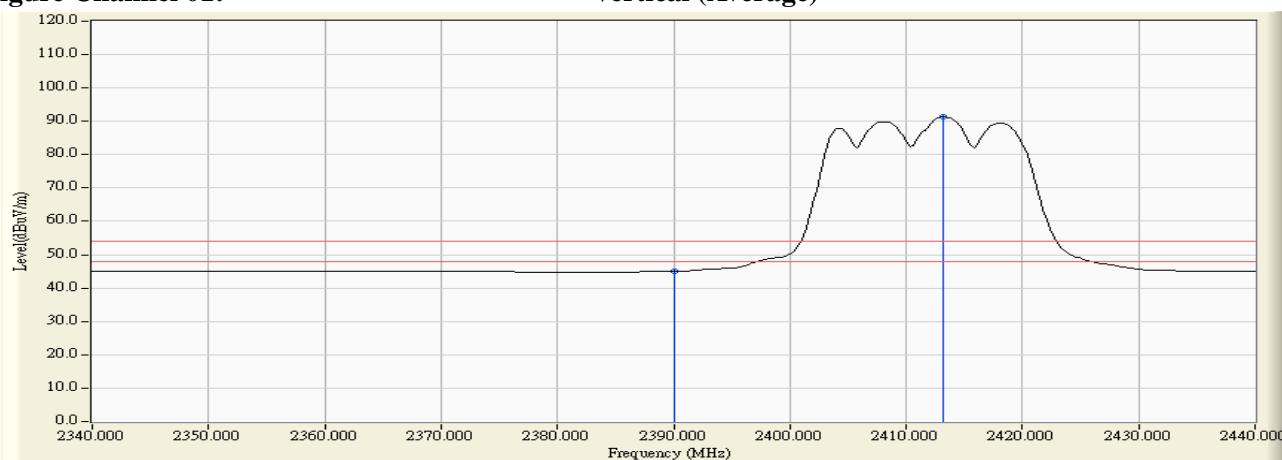


Figure Channel 01:

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 ection.

Product : SpectraGuard® 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)	2462.900	32.026	81.802	113.828	--	--	Pass
11 (Peak)	2483.500	32.182	39.356	71.538	74.00	54.00	Pass
11 (Average)	2462.700	32.025	71.058	103.083	--	--	Pass
11 (Average)	2483.500	32.182	18.768	50.950	74.00	54.00	Pass

Figure Channel 11:

Horizontal (Peak)

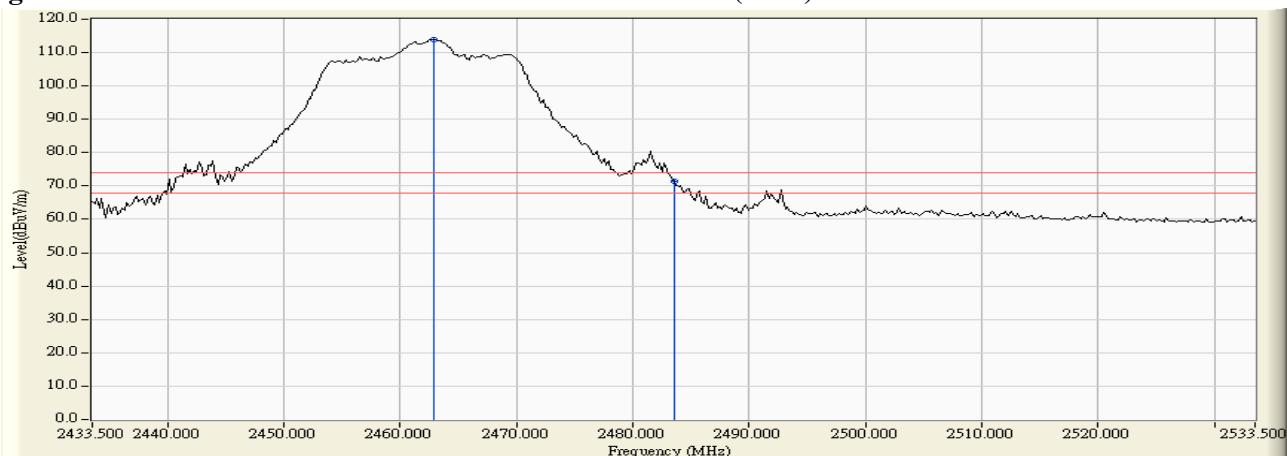
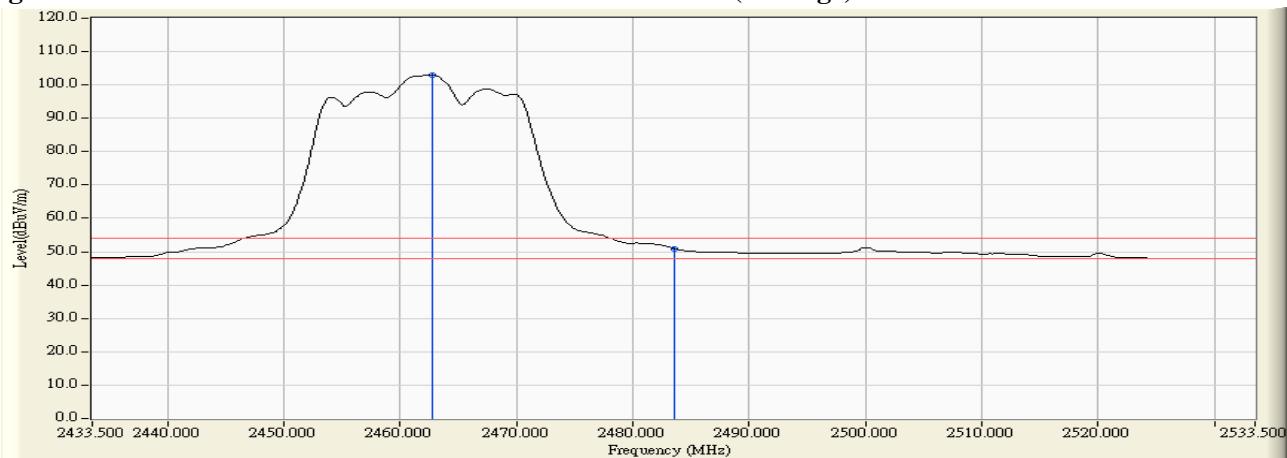


Figure Channel 11:

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 : SpectraGuard® 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)	2459.900	31.276	68.526	99.802	--	--	Pass
11 (Peak)	2483.500	31.435	27.826	59.261	74.00	54.00	Pass
11 (Average)	2460.300	31.278	57.677	88.956	--	--	Pass
11 (Average)	2483.500	31.435	13.989	45.424	74.00	54.00	Pass

Figure Channel 11:

Vertical (Peak)

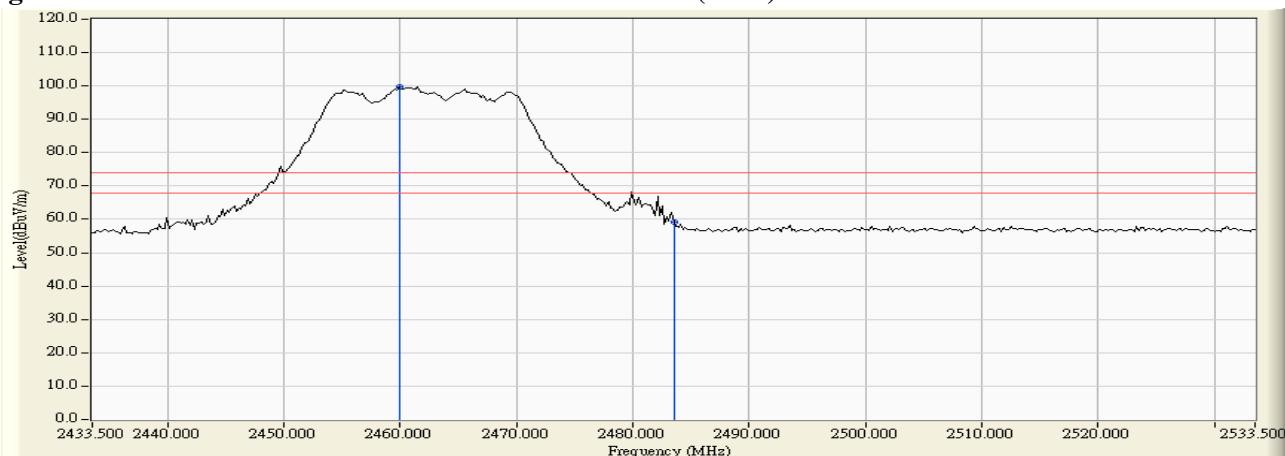
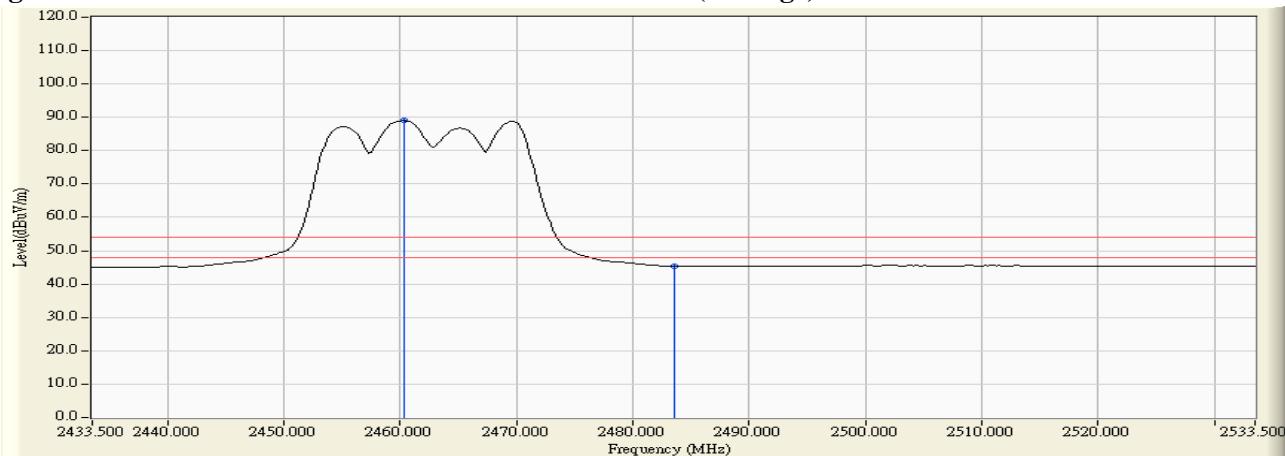


Figure Channel 11:

Vertical (Average)



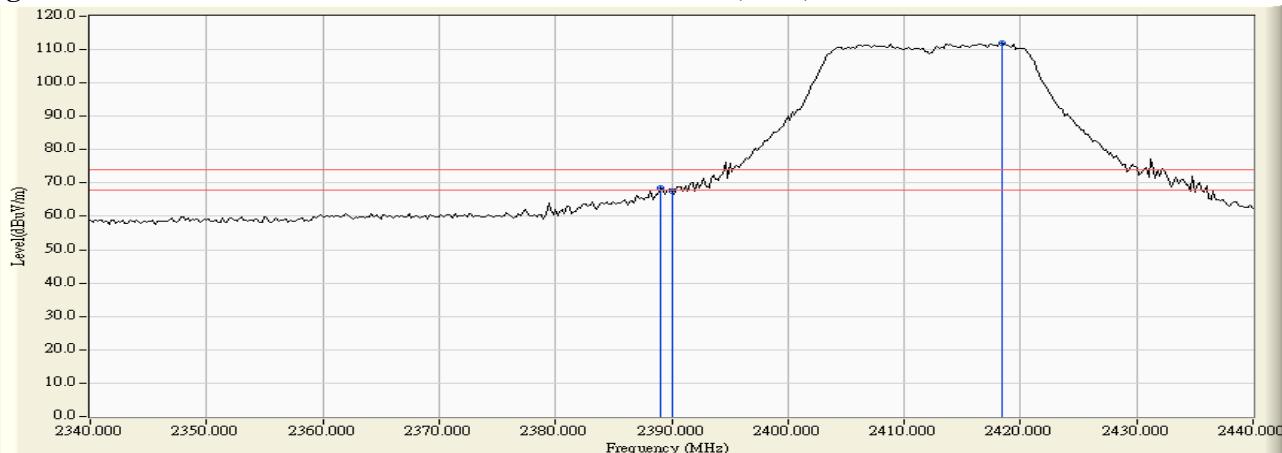
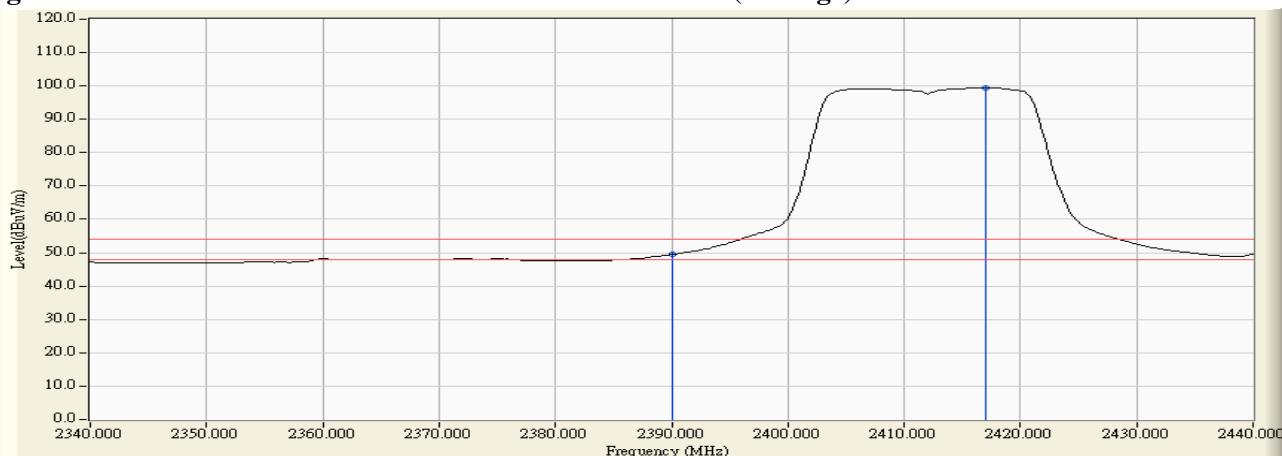
Note:

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 : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 4: Transmit - 802.11n-20BW\_21.7Mbps(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)	2389.000	31.505	37.054	68.559	74.00	54.00	Pass
01 (Peak)	2390.000	31.509	36.202	67.711	74.00	54.00	Pass
01 (Peak)	2418.400	31.687	80.196	111.883	--	--	Pass
01 (Average)	2390.000	31.509	17.962	49.471	74.00	54.00	Pass
01 (Average)	2417.000	31.676	67.723	99.400	--	--	Pass

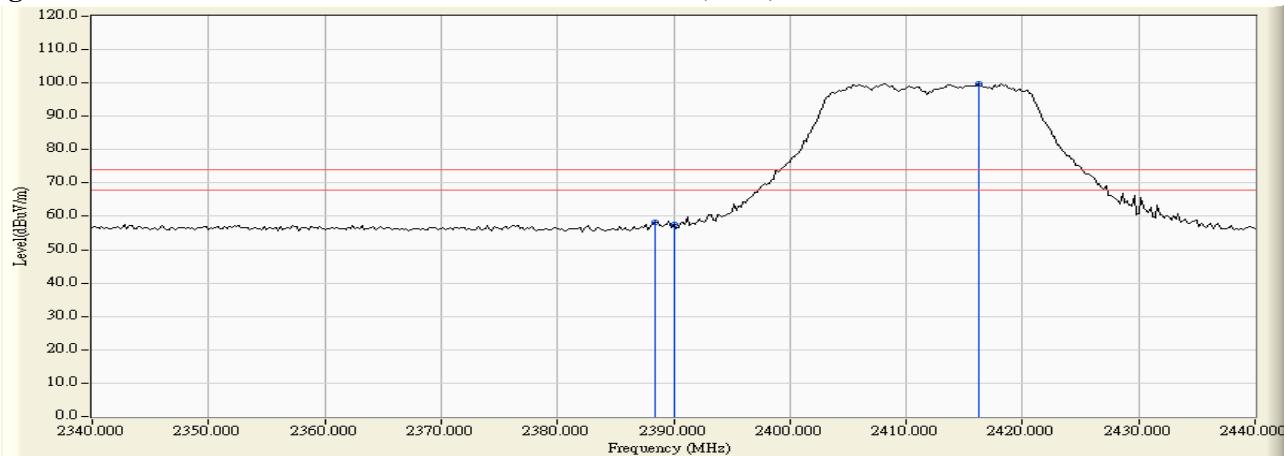
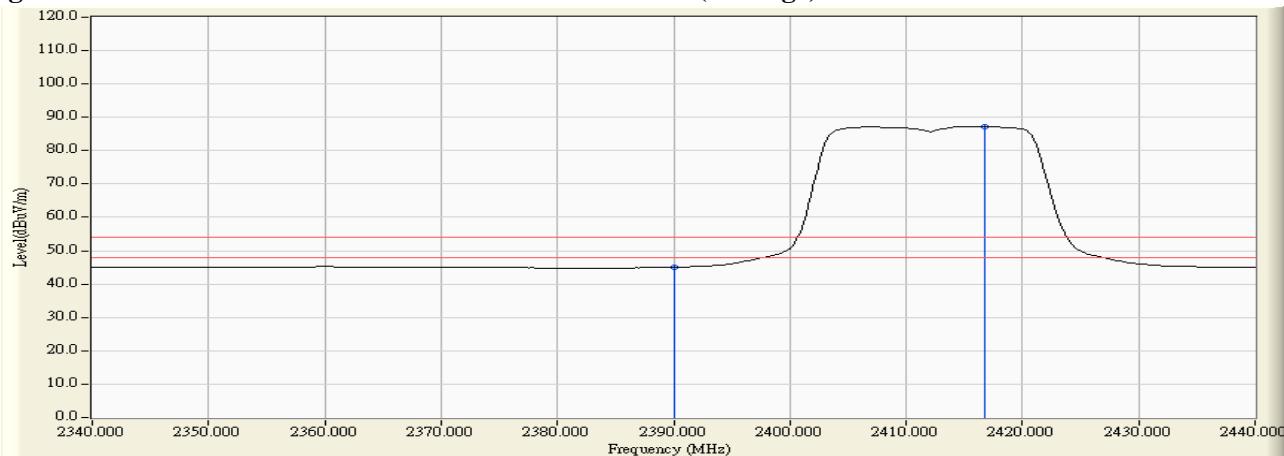
**Figure Channel 01:**
**Horizontal (Peak)**

**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 : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 4: Transmit - 802.11n-20BW\_21.7Mbps(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)	2388.400	30.923	27.366	58.289	74.00	54.00	Pass
01 (Peak)	2390.000	30.915	26.527	57.442	74.00	54.00	Pass
01 (Peak)	2416.200	30.978	68.706	99.684	--	--	Pass
01 (Average)	2390.000	30.915	14.135	45.050	74.00	54.00	Pass
01 (Average)	2416.800	30.982	56.311	87.293	--	--	Pass

**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 : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 4: Transmit - 802.11n-20BW\_21.7Mbps(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)	2464.300	32.037	82.002	114.039	--	--	Pass
11 (Peak)	2483.500	32.182	40.482	72.664	74.00	54.00	Pass
11 (Average)	2467.500	32.061	69.465	101.526	--	--	Pass
11 (Average)	2483.500	32.182	20.369	52.551	74.00	54.00	Pass

Figure Channel 11:

Horizontal (Peak)

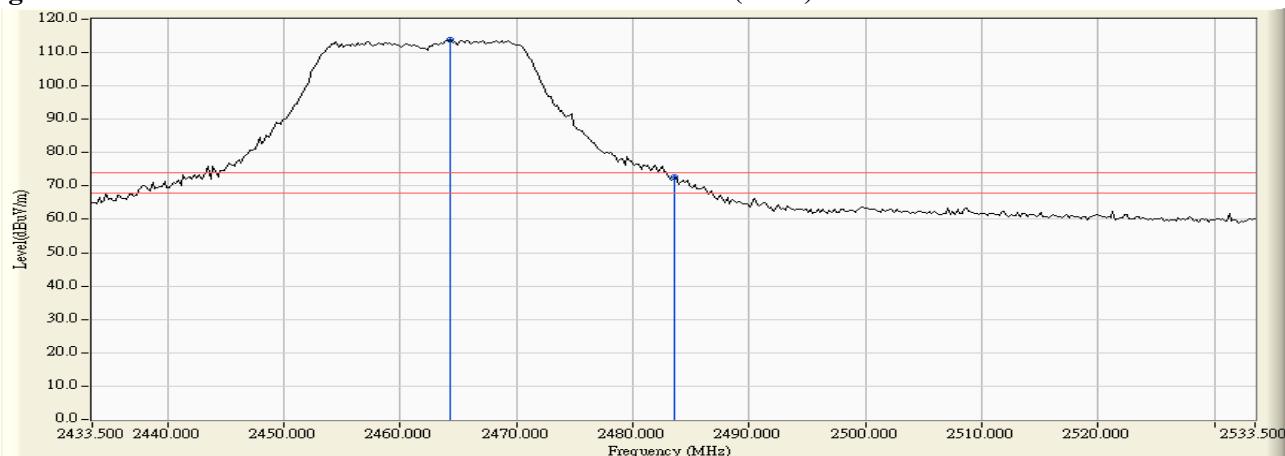
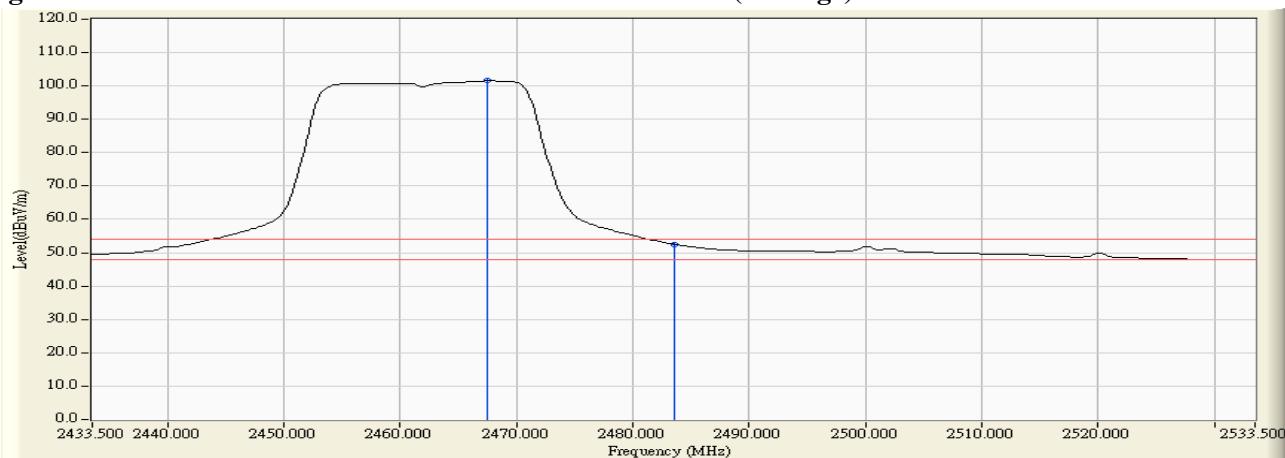


Figure Channel 11:

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 : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 4: Transmit - 802.11n-20BW\_21.7Mbps(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)	2469.100	31.338	66.562	97.900	--	--	Pass
11 (Peak)	2483.500	31.435	26.615	58.050	74.00	54.00	Pass
11 (Average)	2468.500	31.334	54.319	85.653	--	--	Pass
11 (Average)	2483.500	31.435	14.129	45.564	74.00	54.00	Pass

Figure Channel 11:

Vertical (Peak)

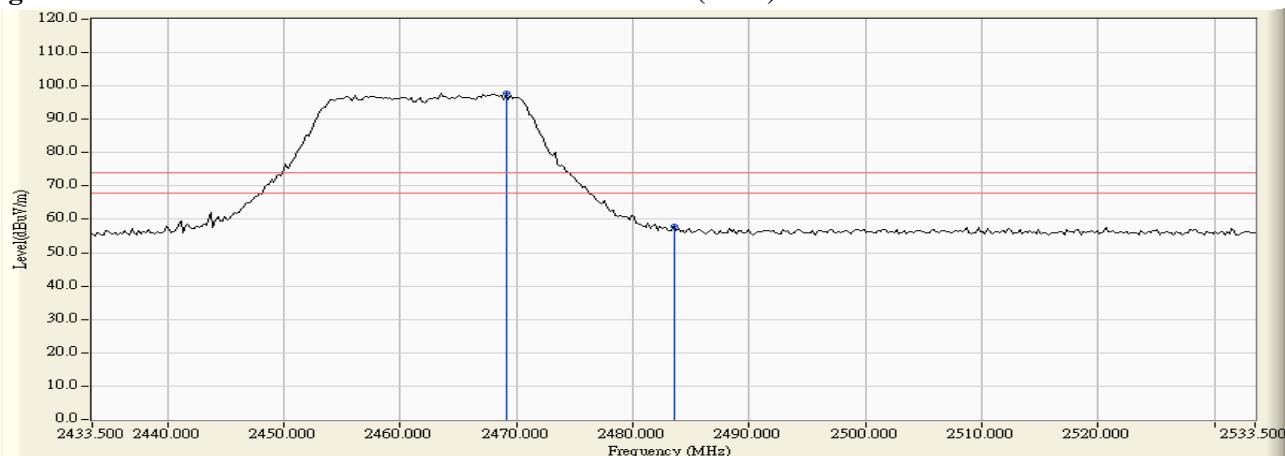
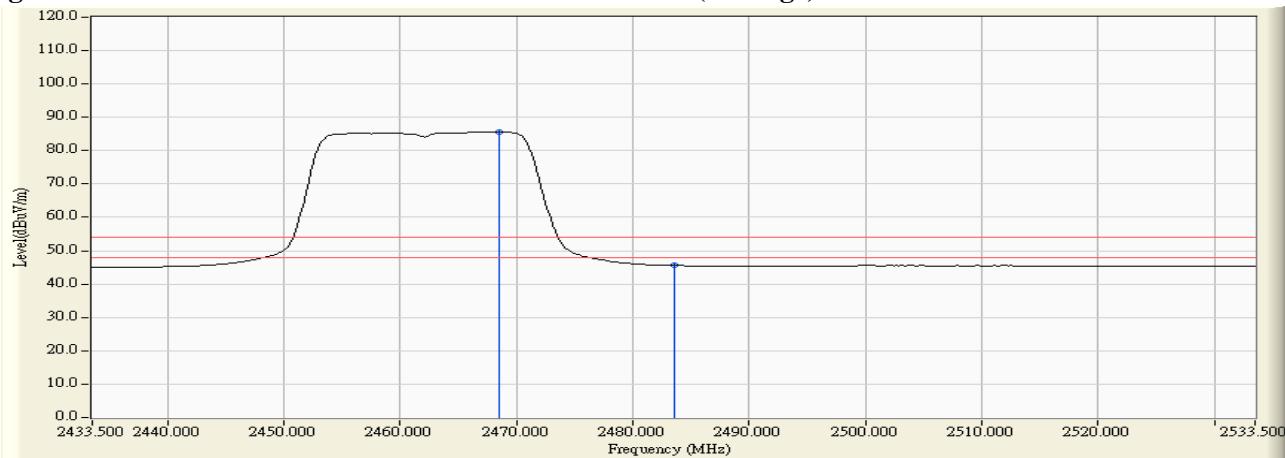


Figure Channel 11:

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 : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 5: Transmit - 802.11n-40BW\_45Mbps(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	31.509	37.707	69.216	74.00	54.00	Pass
01 (Peak)	2438.900	31.845	75.603	107.447	--	--	Pass
01 (Average)	2390.000	31.509	19.004	50.513	74.00	54.00	Pass
01 (Average)	2437.700	31.835	62.997	94.832	--	--	Pass

Figure Channel 01:

Horizontal (Peak)

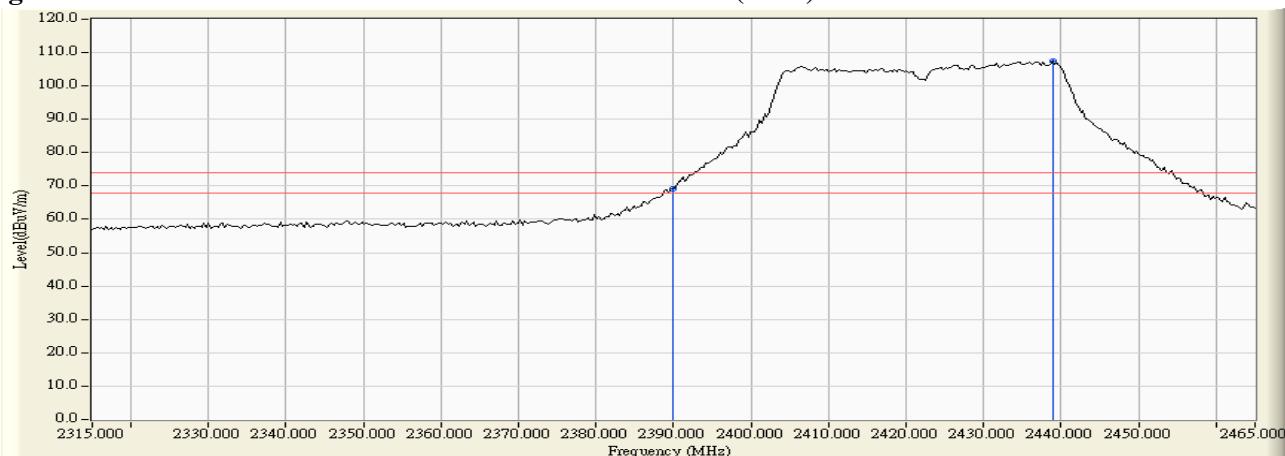
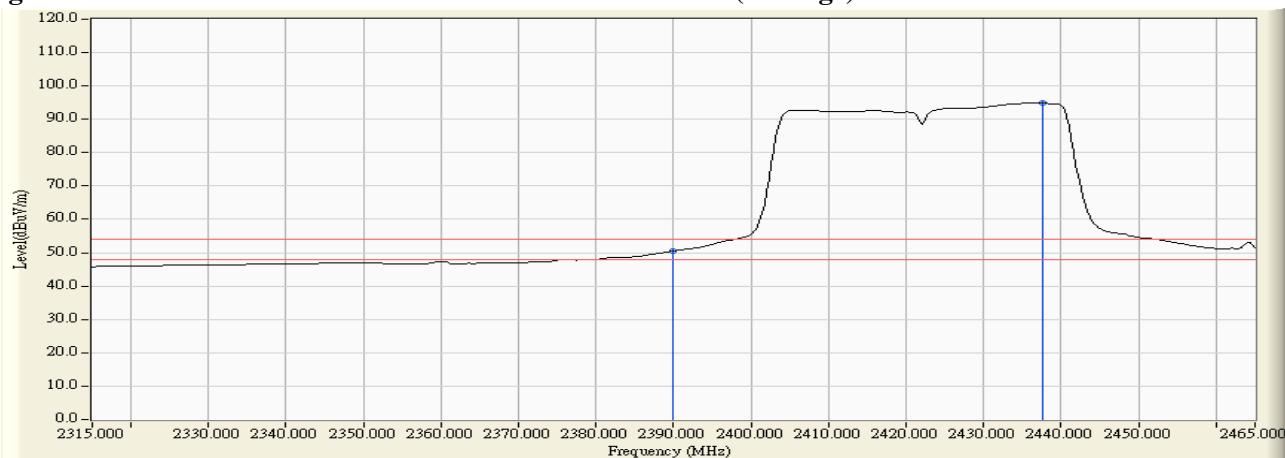


Figure Channel 01:

Horizontal (Average)



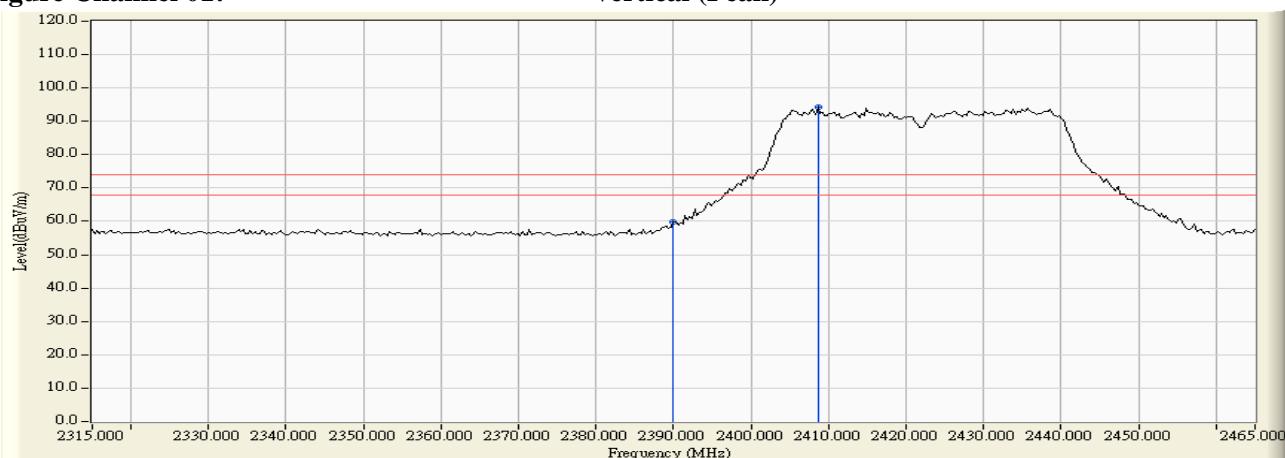
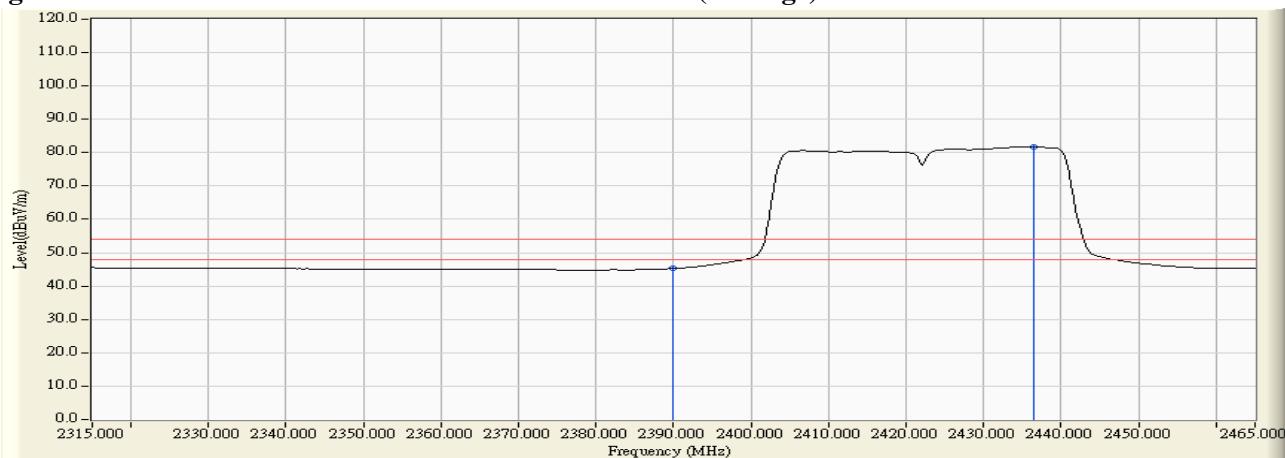
Note:

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 : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 5: Transmit - 802.11n-40BW\_45Mbps(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	30.915	28.858	59.773	74.00	54.00	Pass
01 (Peak)	2408.600	30.936	63.175	94.111	--	--	Pass
01 (Average)	2390.000	30.915	14.356	45.271	74.00	54.00	Pass
01 (Average)	2436.500	31.116	50.607	81.723	--	--	Pass

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

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


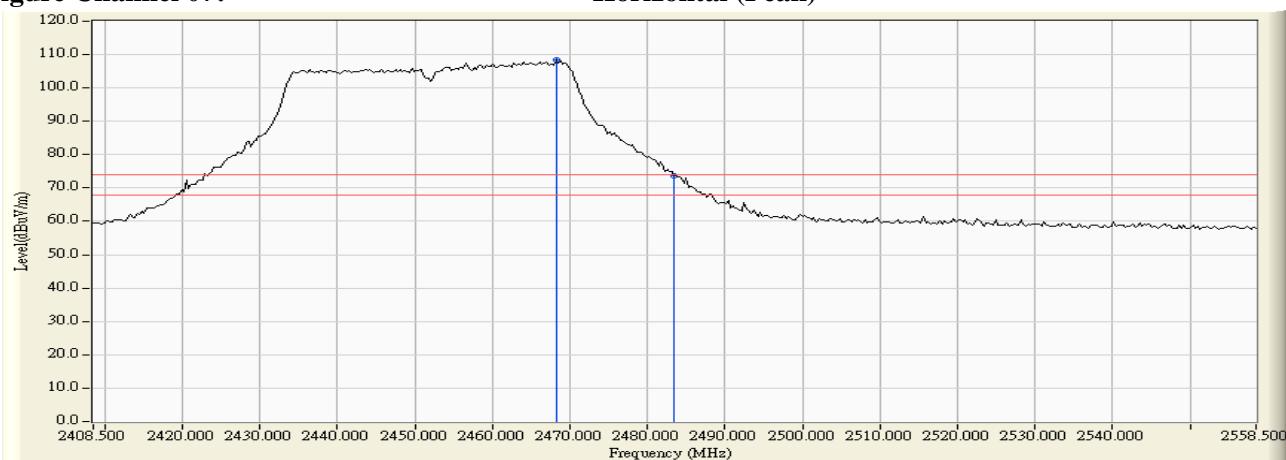
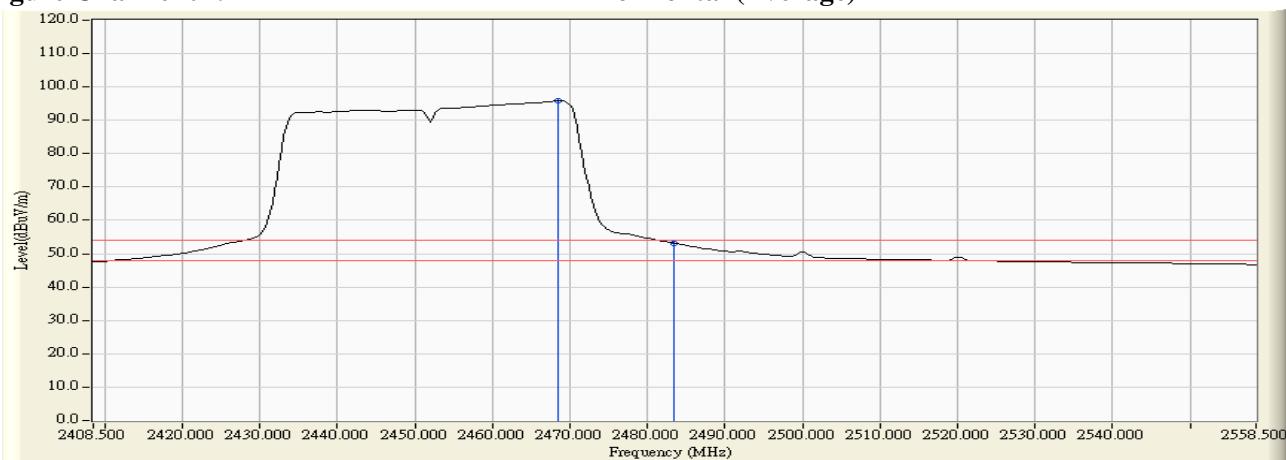
Note:

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 : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 5: Transmit - 802.11n-40BW\_45Mbps(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)	2468.200	32.066	76.444	108.510	--	--	Pass
07 (Peak)	2483.500	32.182	41.407	73.589	74.00	54.00	Pass
07 (Average)	2468.500	32.068	63.818	95.886	--	--	Pass
07 (Average)	2483.500	32.182	20.973	53.155	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 : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 5: Transmit - 802.11n-40BW\_45Mbps(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)	2462.200	31.291	61.953	93.245	--	--	Pass
07 (Peak)	2483.500	31.435	29.080	60.515	74.00	54.00	Pass
07 (Average)	2467.600	31.328	50.219	81.547	--	--	Pass
07 (Average)	2483.500	31.435	14.765	46.200	74.00	54.00	Pass

Figure Channel 07:

Vertical (Peak)

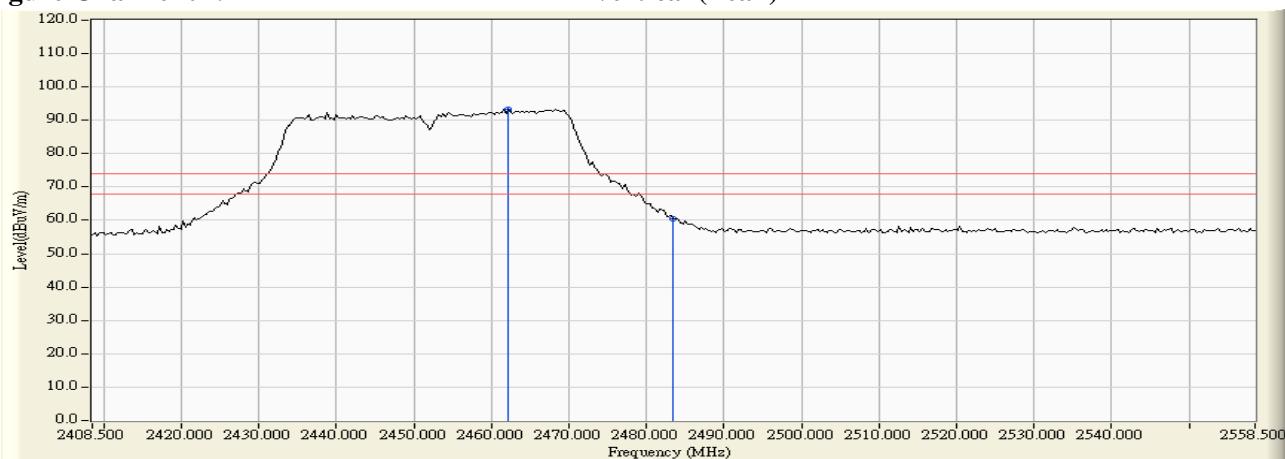
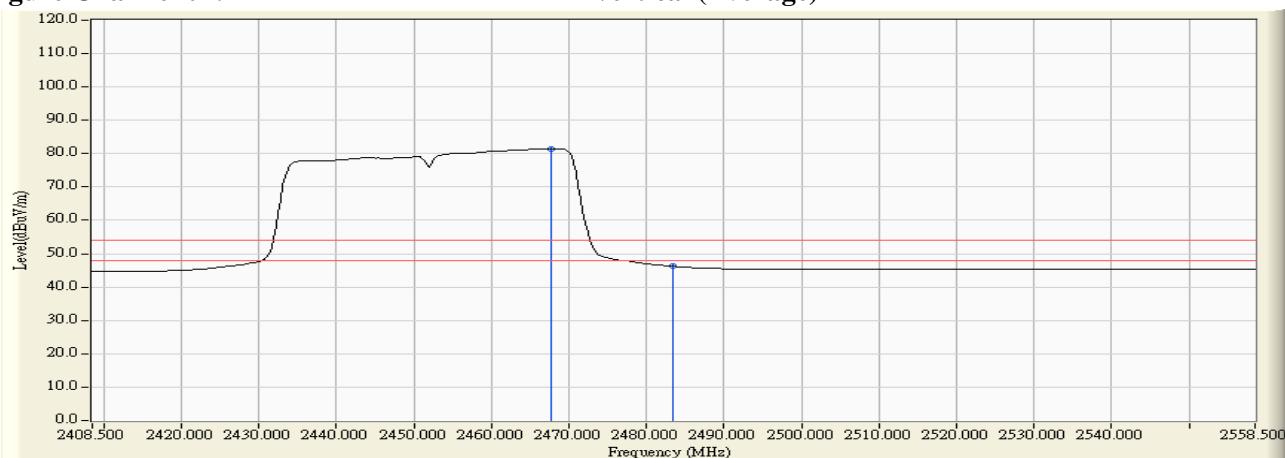


Figure Channel 07:

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 : SpectraGuard® 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)	2390.000	31.509	31.338	62.847	74.00	54.00	Pass
01 (Peak)	2413.000	31.646	80.636	112.282	--	--	Pass
01 (Average)	2390.000	31.509	20.981	52.490	74.00	54.00	Pass
01 (Average)	2412.800	31.645	76.323	107.967	--	--	Pass

Figure Channel 01:

Horizontal (Peak)

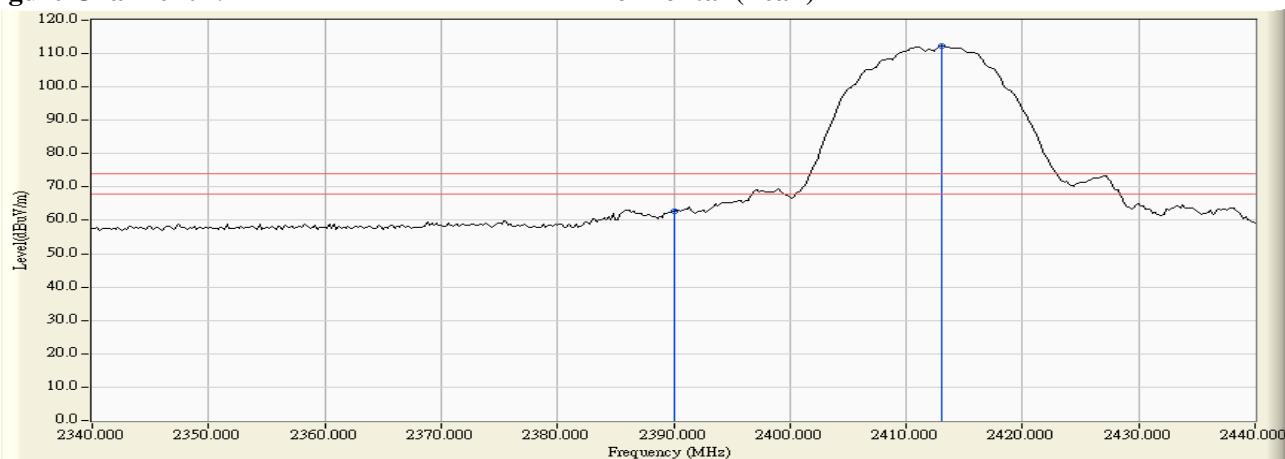
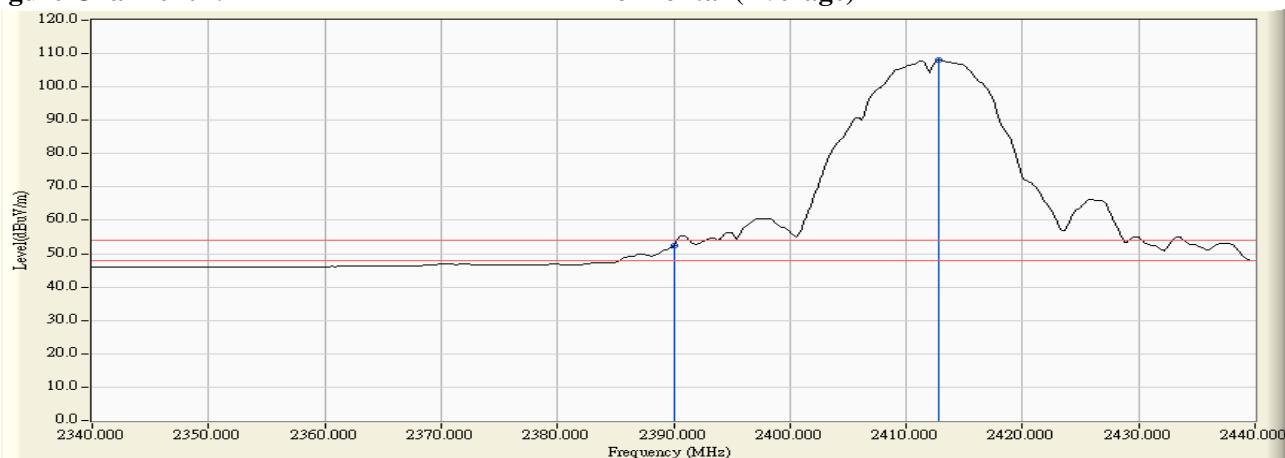


Figure Channel 01:

Horizontal (Average)



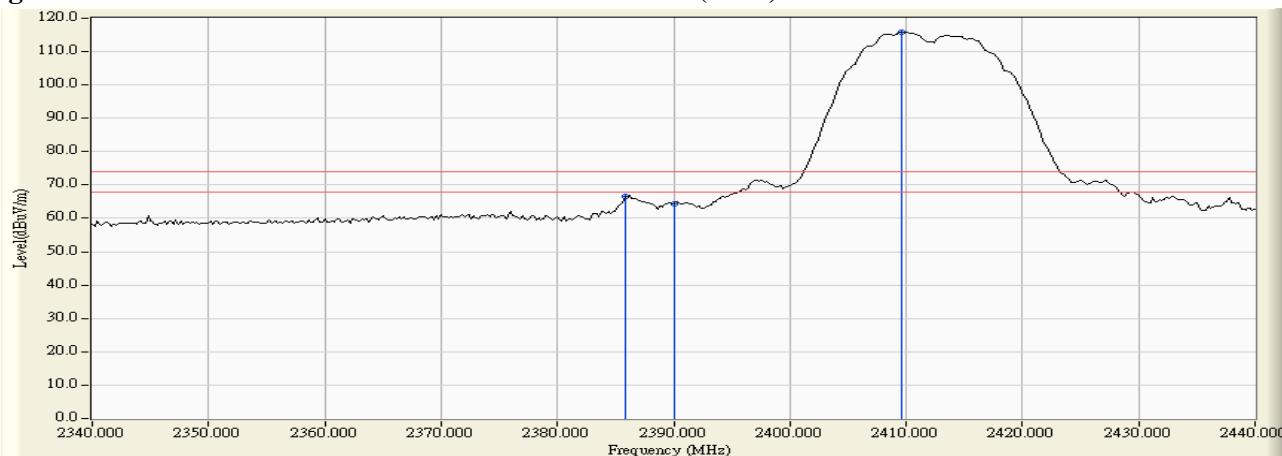
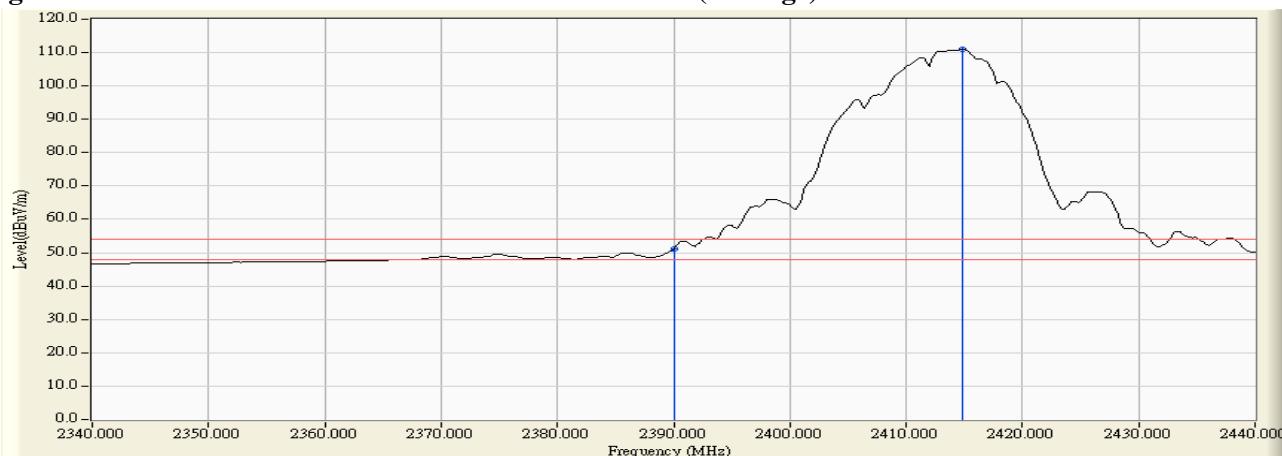
Note:

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 : SpectraGuard® 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)	2385.800	30.935	35.516	66.451	74.00	54.00	Pass
01 (Peak)	2390.000	30.915	33.514	64.429	74.00	54.00	Pass
01 (Peak)	2409.600	30.939	84.785	115.724	--	--	Pass
01 (Average)	2390.000	30.915	20.308	51.223	74.00	54.00	Pass
01 (Average)	2414.800	30.968	80.155	111.123	--	--	Pass

**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 : SpectraGuard® 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)	2460.900	32.011	79.702	111.713	--	--	Pass
11 (Peak)	2483.500	32.182	30.398	62.580	74.00	54.00	Pass
11 (Average)	2461.300	32.014	75.838	107.852	--	--	Pass
11 (Average)	2483.500	32.182	21.196	53.378	74.00	54.00	Pass

Figure Channel 11:

Horizontal (Peak)

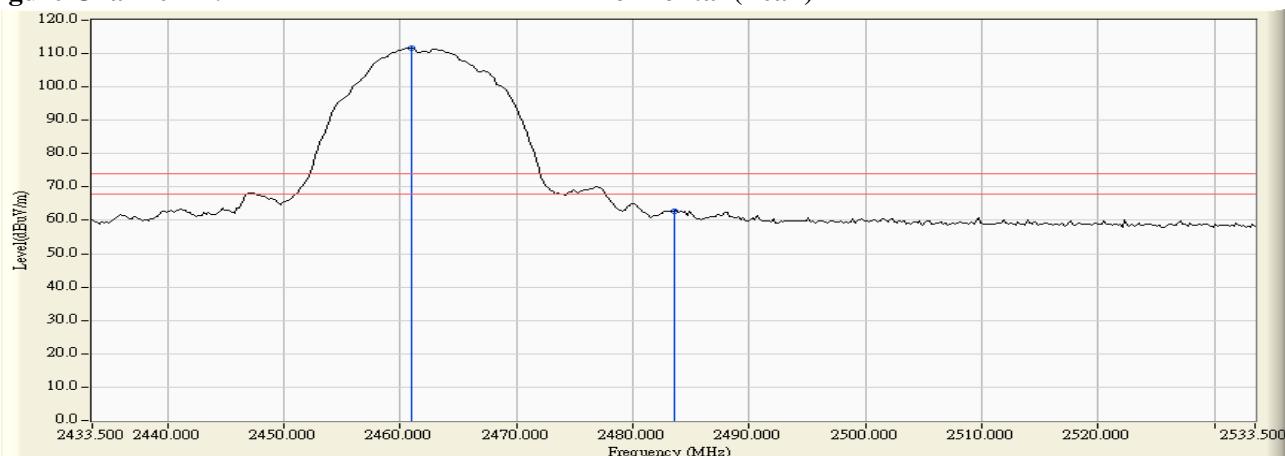
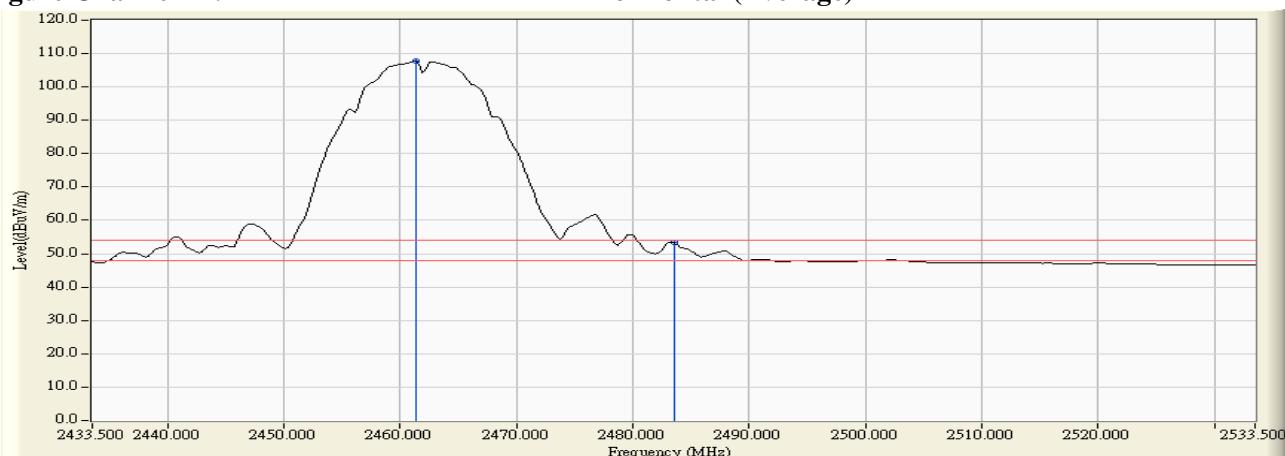


Figure Channel 11:

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 : SpectraGuard® 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)	2462.900	31.296	84.746	116.042	--	--	Pass
11 (Peak)	2483.500	31.435	32.530	63.965	74.00	54.00	Pass
11 (Average)	2459.300	31.272	80.542	111.814	--	--	Pass
11 (Average)	2483.500	31.435	19.945	51.380	74.00	54.00	Pass

Figure Channel 11:

Vertical (Peak)

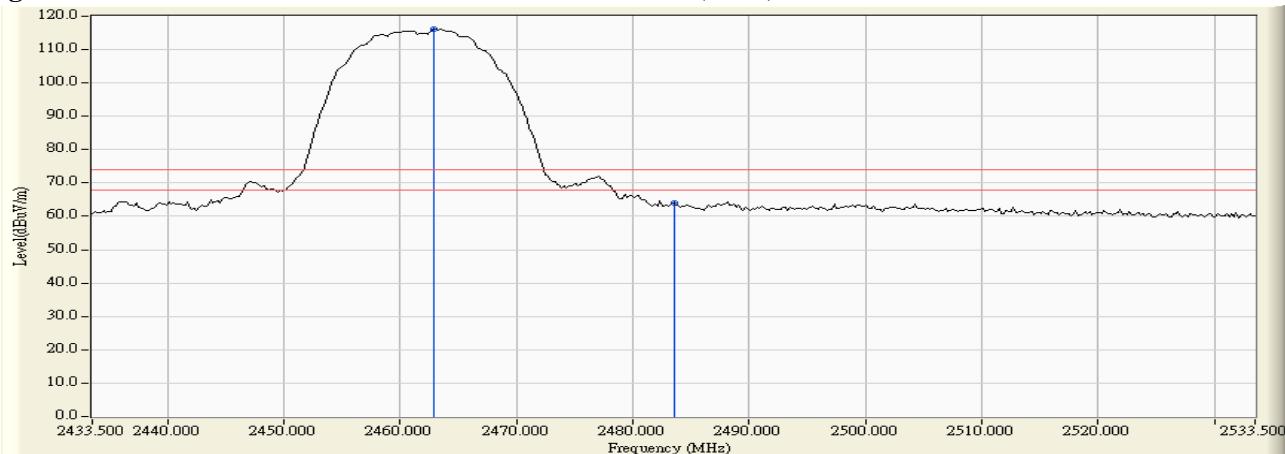
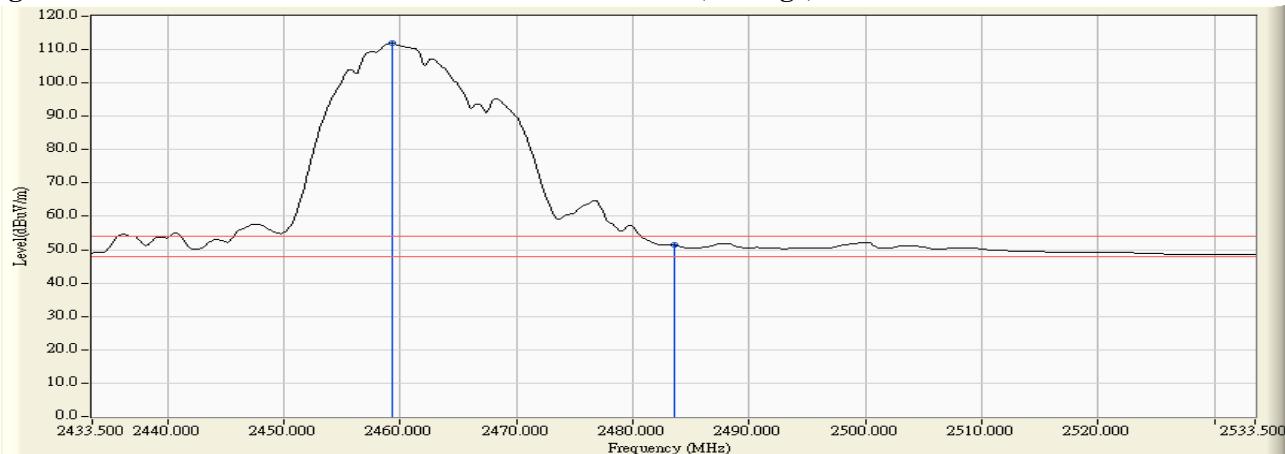


Figure Channel 11:

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 : SpectraGuard® 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	31.509	35.115	66.624	74.00	54.00	Pass
01 (Peak)	2413.400	31.649	76.317	107.966	--	--	Pass
01(Average)	2390.000	31.509	15.808	47.317	74.00	54.00	Pass
01(Average)	2414.400	31.657	65.230	96.887	--	--	Pass

Figure Channel 01:

Horizontal (Peak)

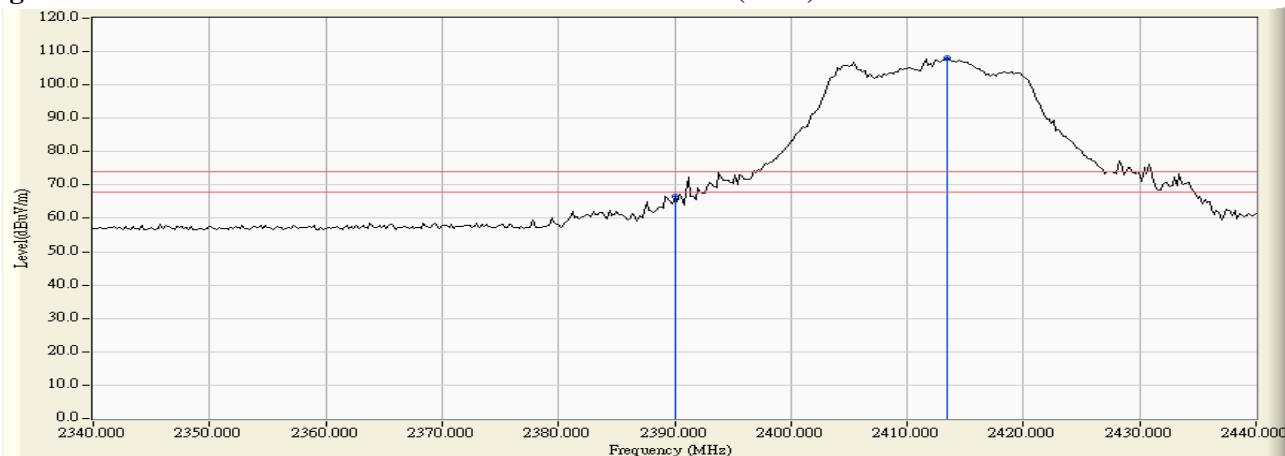
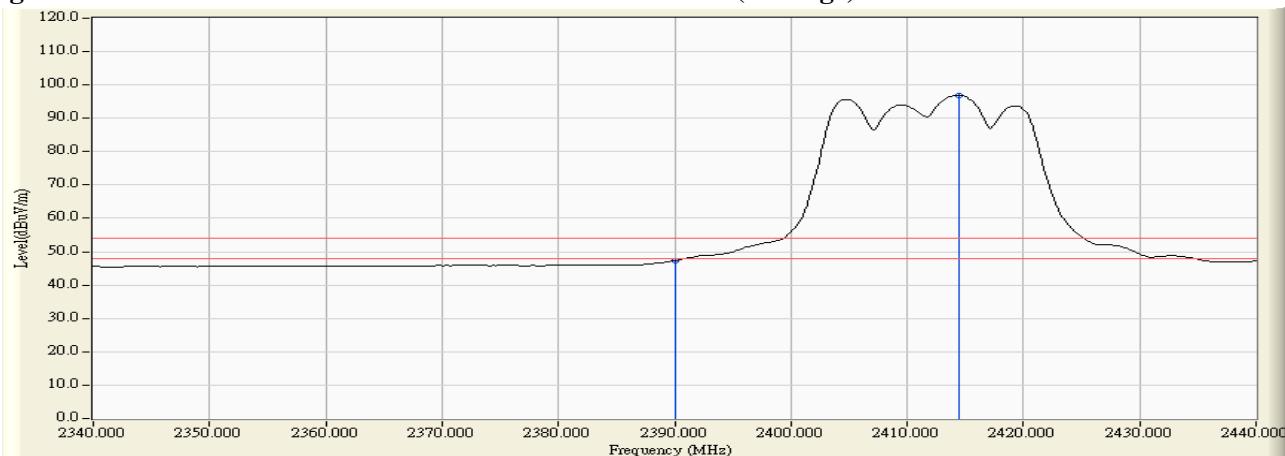


Figure Channel 01:

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 : SpectraGuard® 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	30.915	39.939	70.854	74.00	54.00	Pass
01 (Peak)	2410.600	30.941	80.956	111.897	--	--	Pass
01 (Average)	2390.000	30.915	18.502	49.417	74.00	54.00	Pass
01 (Average)	2411.000	30.942	71.443	102.385	--	--	Pass

Figure Channel 01:

Vertical (Peak)

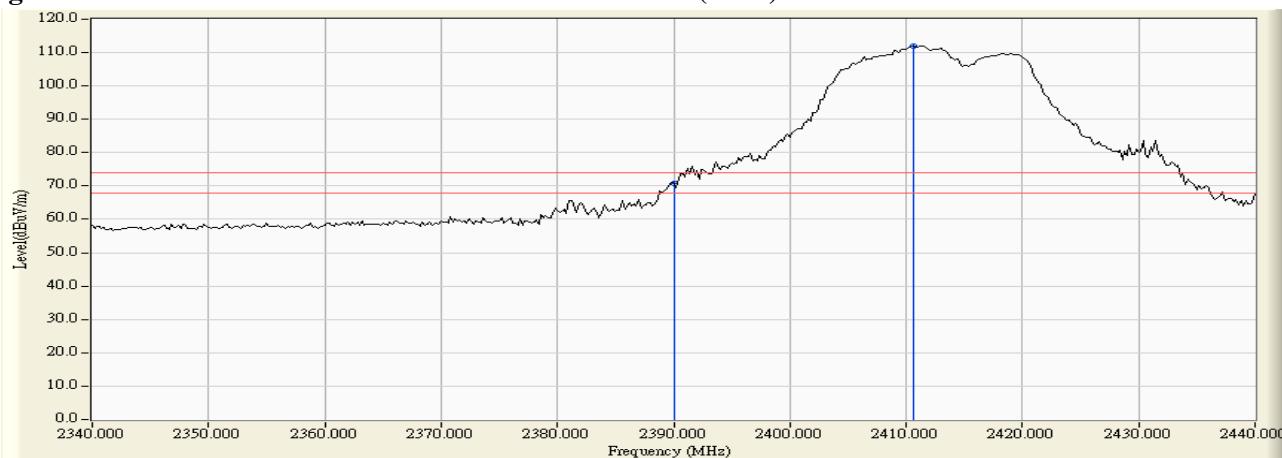
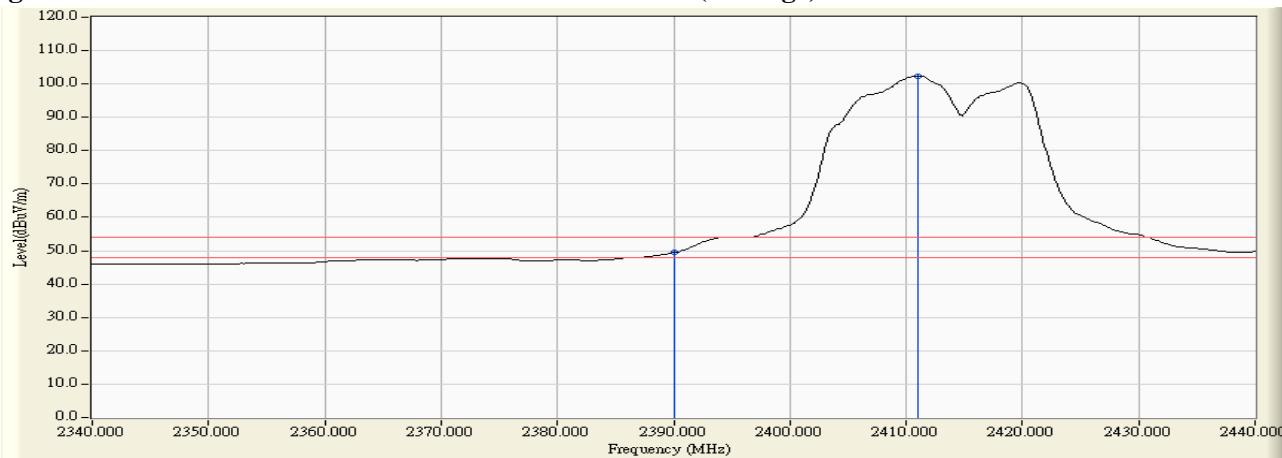


Figure Channel 01:

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 : SpectraGuard® 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)	2468.700	32.070	76.082	108.152	--	--	Pass
11 (Peak)	2483.500	32.182	35.910	68.092	74.00	54.00	Pass
11 (Peak)	2484.300	32.187	37.125	69.313	74.00	54.00	Pass
11 (Average)	2468.300	32.067	64.766	96.833	--	--	Pass
11 (Average)	2483.500	32.182	16.269	48.451	74.00	54.00	Pass

Figure Channel 11:

Horizontal (Peak)

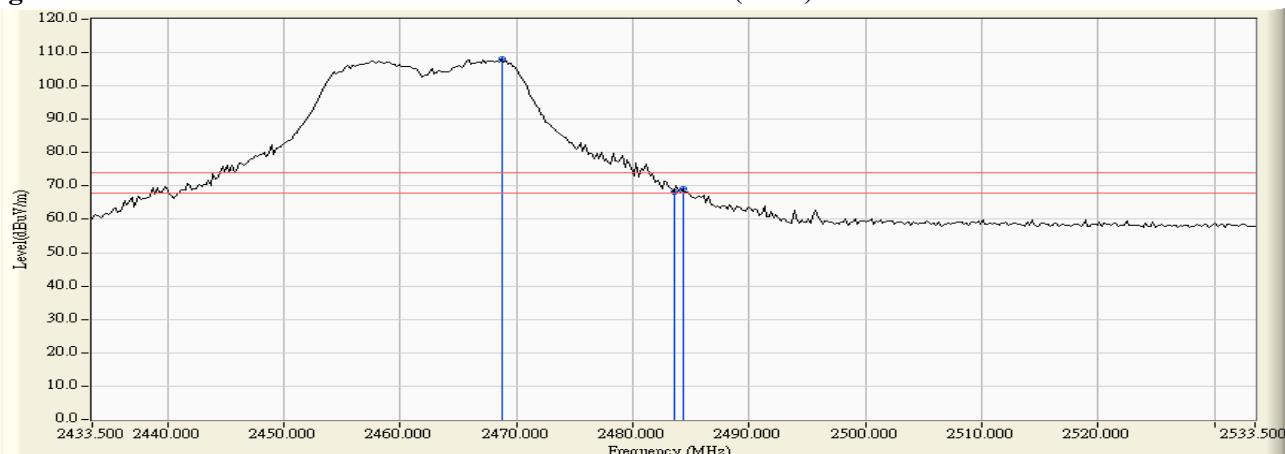
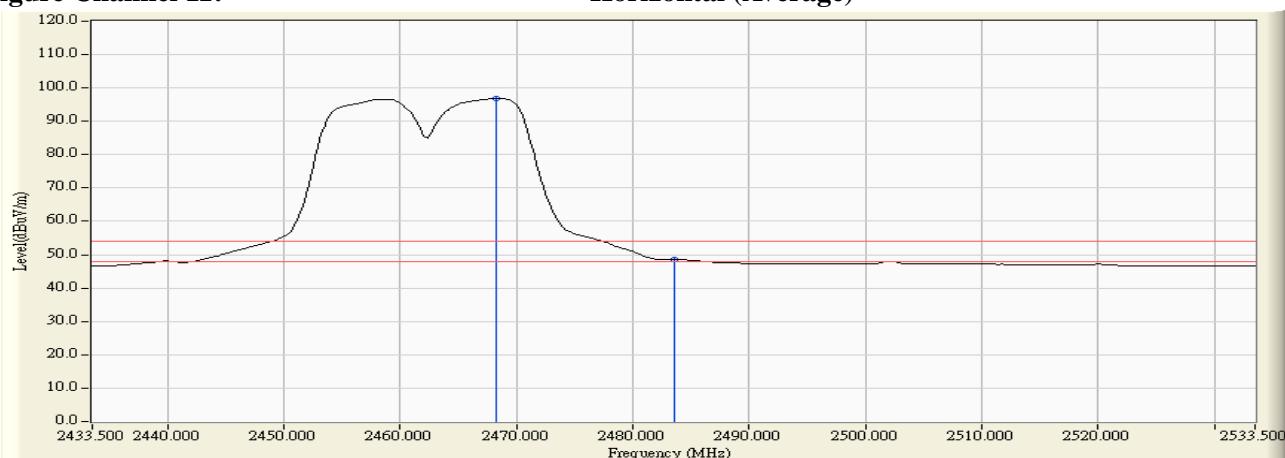


Figure Channel 11:

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 : SpectraGuard® 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)	2465.900	31.317	82.889	114.206	--	--	Pass
11 (Peak)	2483.500	31.435	41.063	72.498	74.00	54.00	Pass
11 (Average)	2466.500	31.320	72.726	104.047	--	--	Pass
11 (Average)	2483.500	31.435	19.566	51.001	74.00	54.00	Pass
11 (Average)	2499.700	31.527	20.764	52.291	74.00	54.00	Pass

Figure Channel 11:

Vertical (Peak)

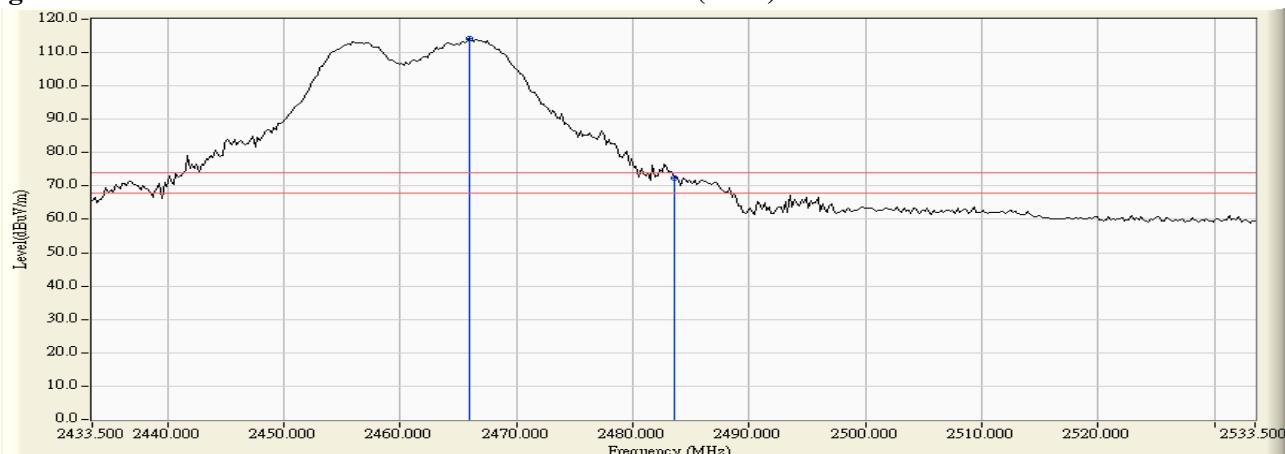
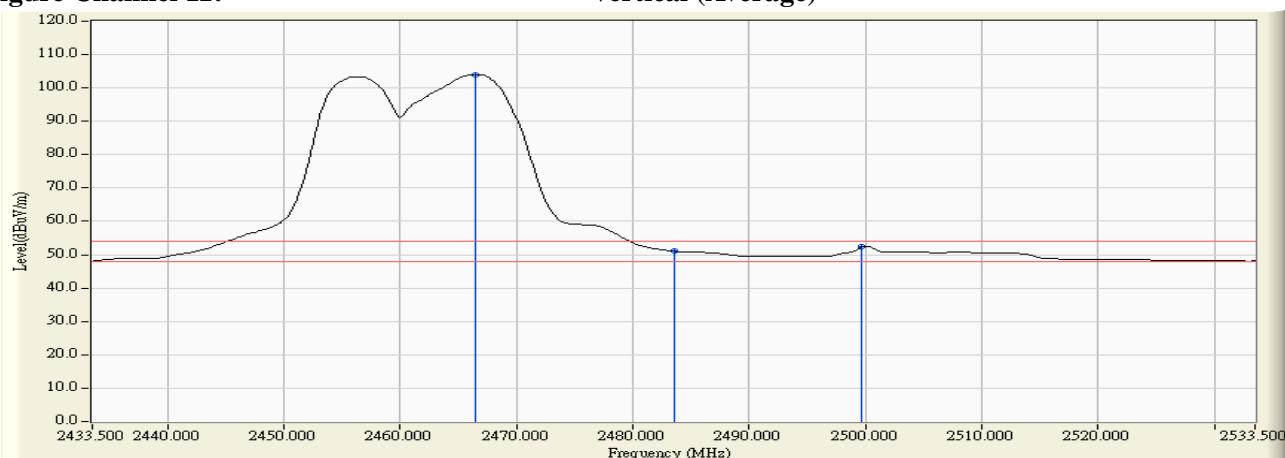


Figure Channel 11:

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 : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 11: Transmit - 802.11n-20BW\_21.7Mbps(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	31.509	35.335	66.844	74.00	54.00	Pass
01 (Peak)	2418.600	31.689	76.789	108.478	--	--	Pass
01 (Average)	2390.000	31.509	17.041	48.550	74.00	54.00	Pass
01 (Average)	2417.600	31.681	63.798	95.479	--	--	Pass

Figure Channel 01:

Horizontal (Peak)

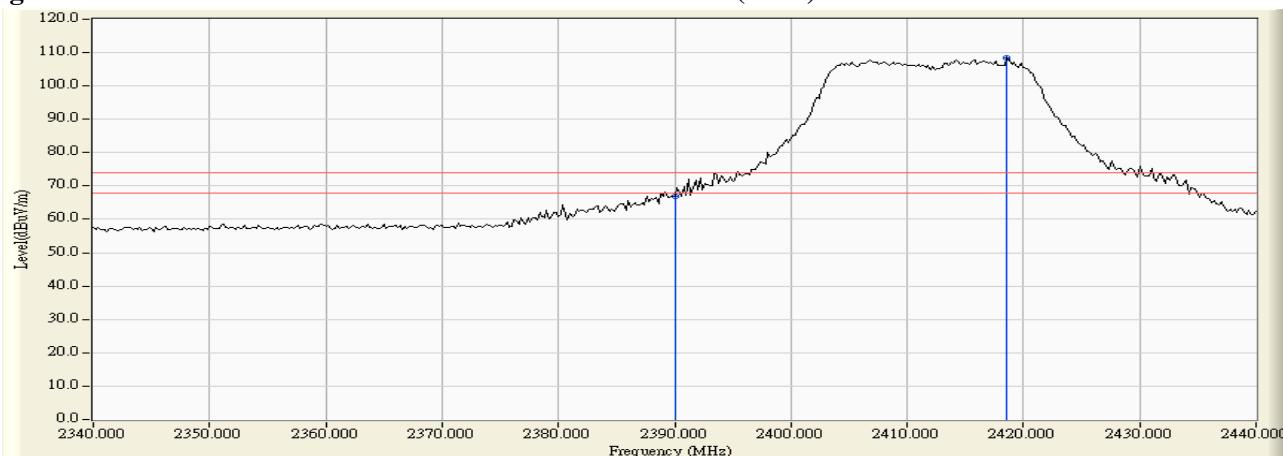
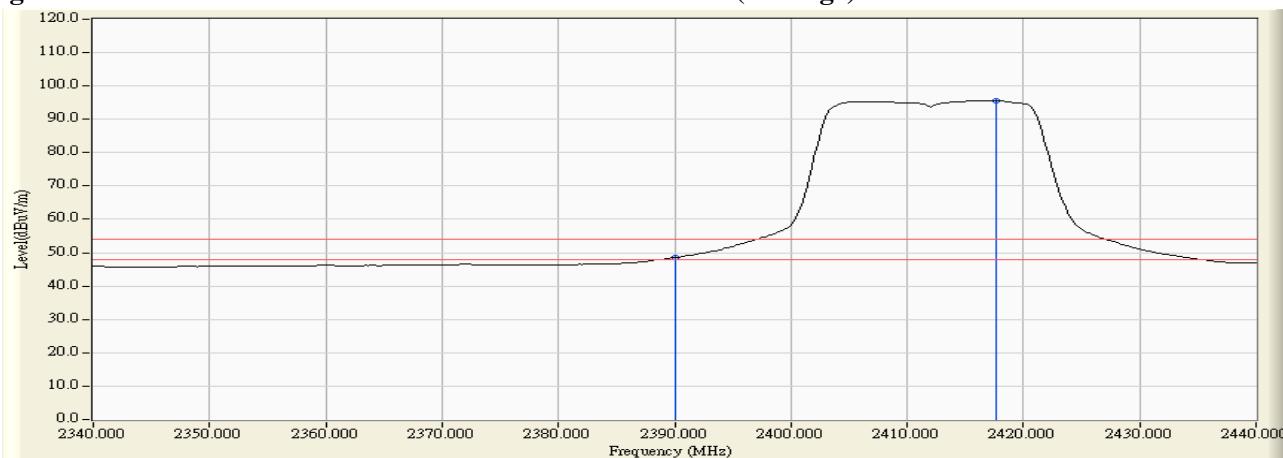


Figure Channel 01:

Horizontal (Average)



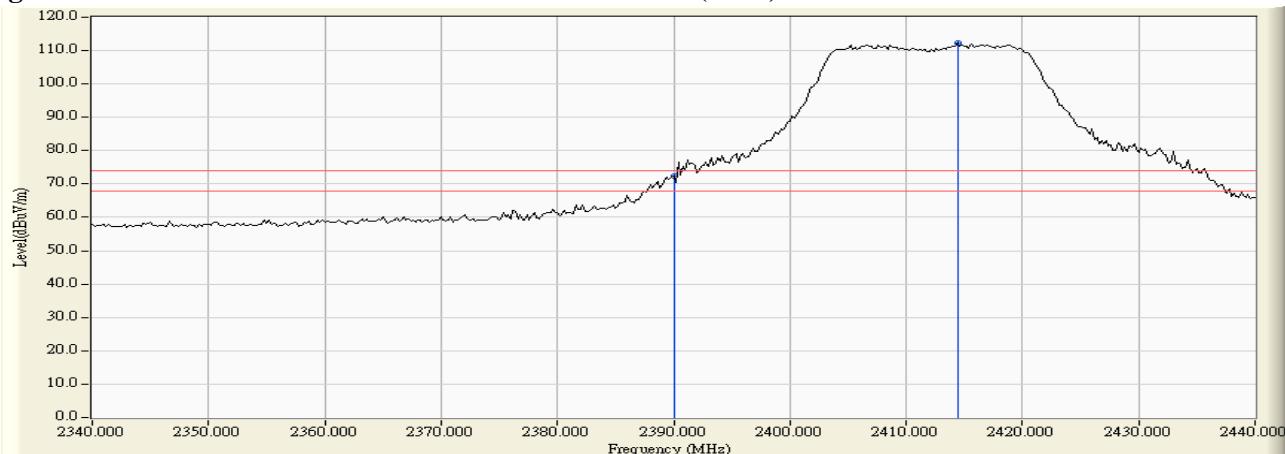
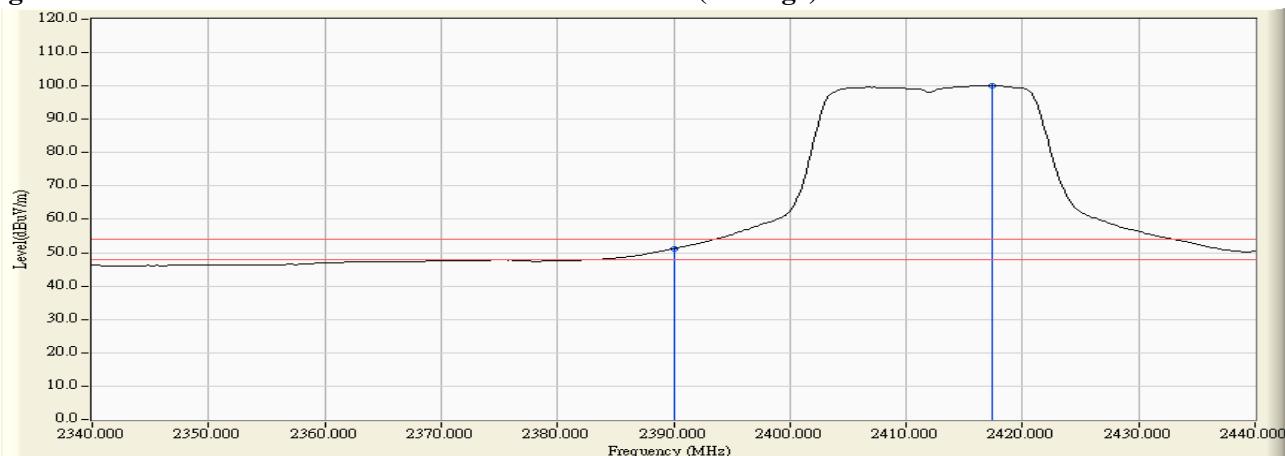
Note:

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 : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 11: Transmit - 802.11n-20BW\_21.7Mbps(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	30.915	41.372	72.287	74.00	54.00	Pass
01 (Peak)	2414.400	30.966	81.322	112.288	--	--	Pass
01 (Average)	2390.000	30.915	20.335	51.250	74.00	54.00	Pass
01 (Average)	2417.400	30.985	69.067	100.053	--	--	Pass

**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 : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 11: Transmit - 802.11n-20BW\_21.7Mbps(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)	2467.100	32.058	75.005	107.063	--	--	Pass
11 (Peak)	2483.500	32.182	41.484	73.666	74.00	54.00	Pass
11 (Average)	2468.700	32.070	63.604	95.674	--	--	Pass
11 (Average)	2483.500	32.182	18.260	50.442	74.00	54.00	Pass

Figure Channel 11:

Horizontal (Peak)

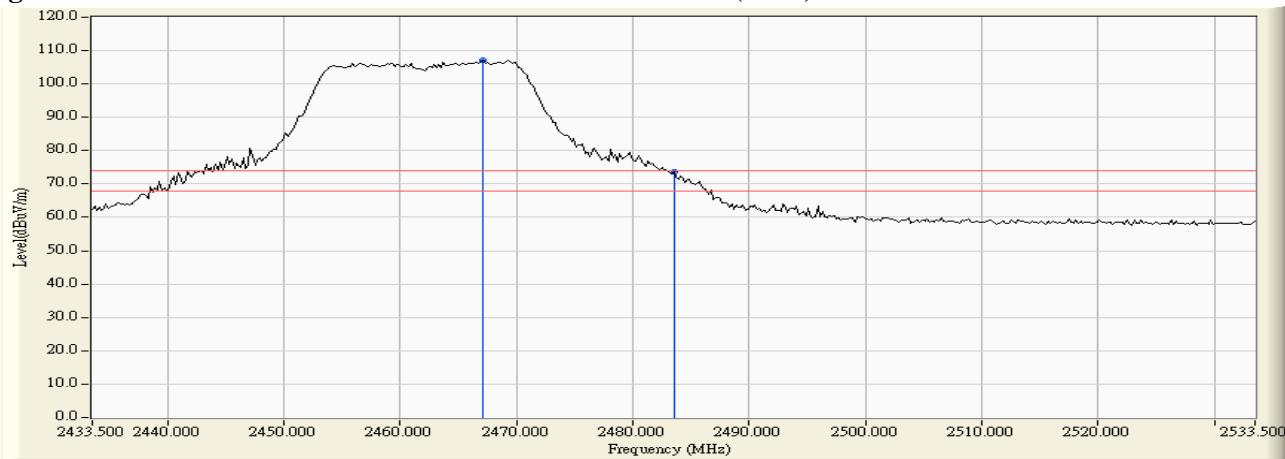
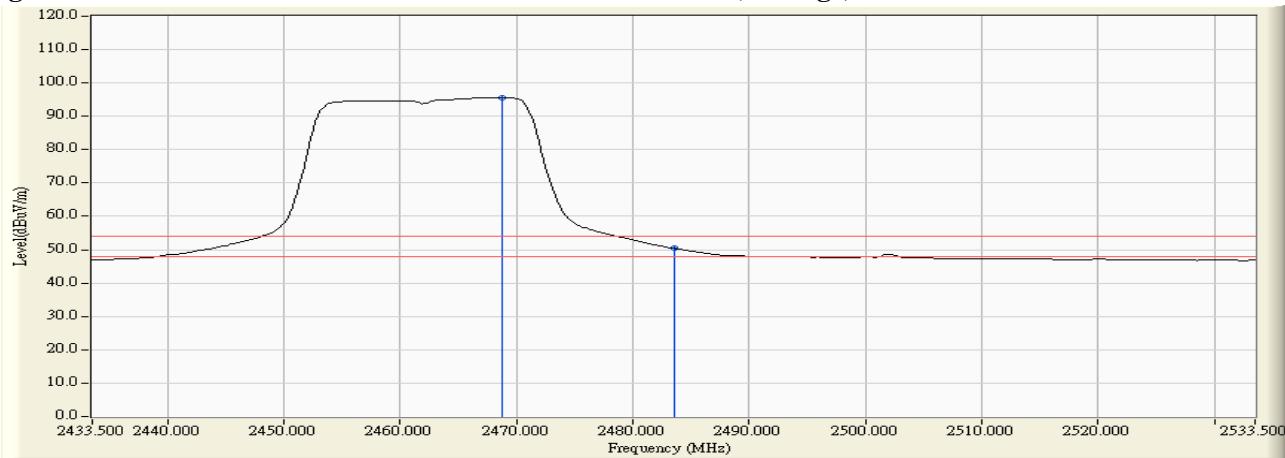


Figure Channel 11:

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 : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 11: Transmit - 802.11n-20BW\_21.7Mbps(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)	2466.900	31.324	80.642	111.965	--	--	Pass
11 (Peak)	2483.500	31.435	42.106	73.541	74.00	54.00	Pass
11 (Average)	2468.300	31.333	69.439	100.772	--	--	Pass
11 (Average)	2483.500	31.435	20.800	52.235	74.00	54.00	Pass

Figure Channel 11:

Vertical (Peak)

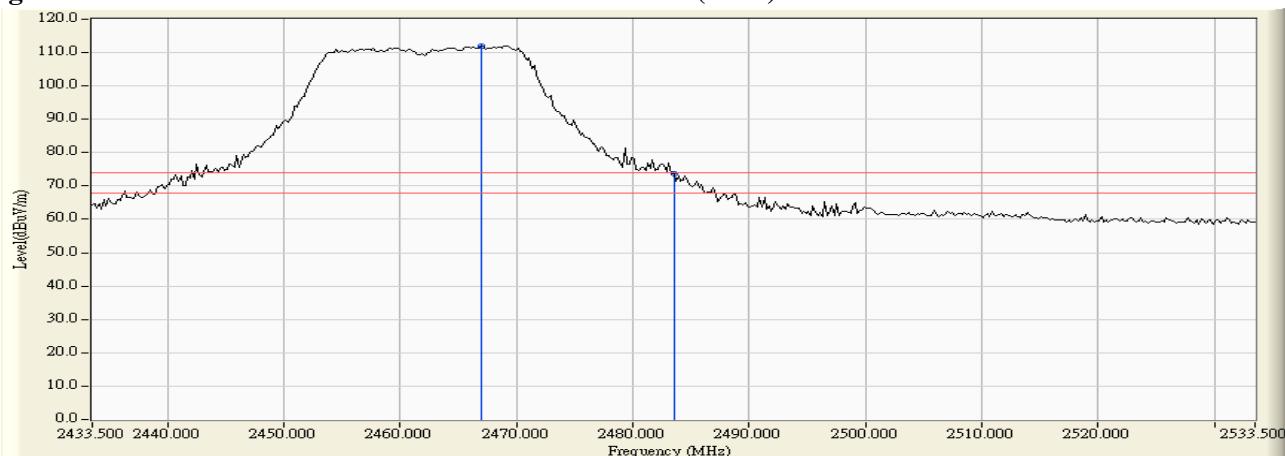
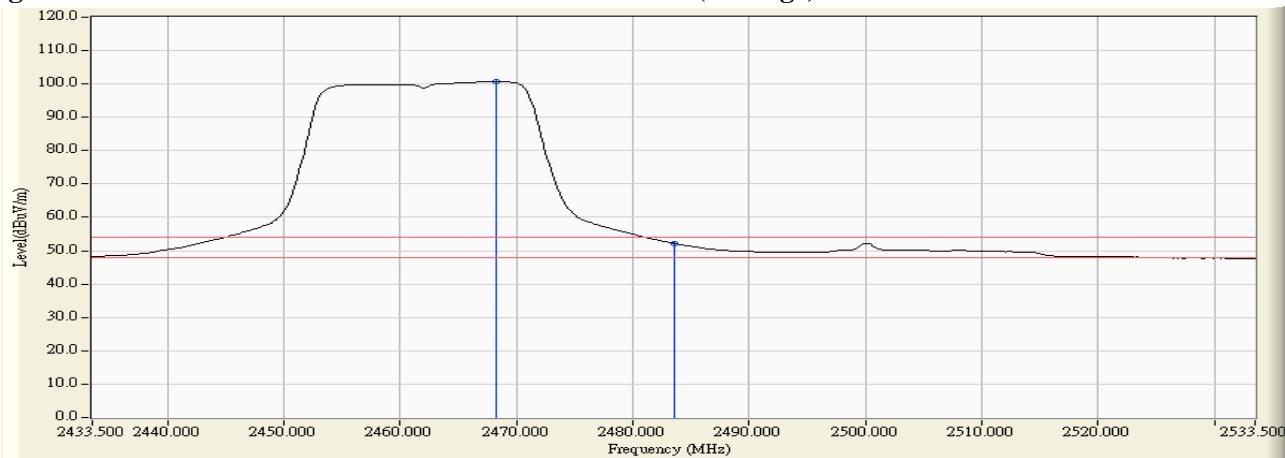


Figure Channel 11:

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 : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 12: Transmit - 802.11n-40BW\_45Mbps(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	31.509	35.792	67.301	74.00	54.00	Pass
01 (Peak)	2434.700	31.812	72.118	103.930	--	--	Pass
01 (Average)	2390.000	31.509	17.364	48.873	74.00	54.00	Pass
01 (Average)	2435.300	31.816	58.780	90.596	--	--	Pass

Figure Channel 01:

Horizontal (Peak)

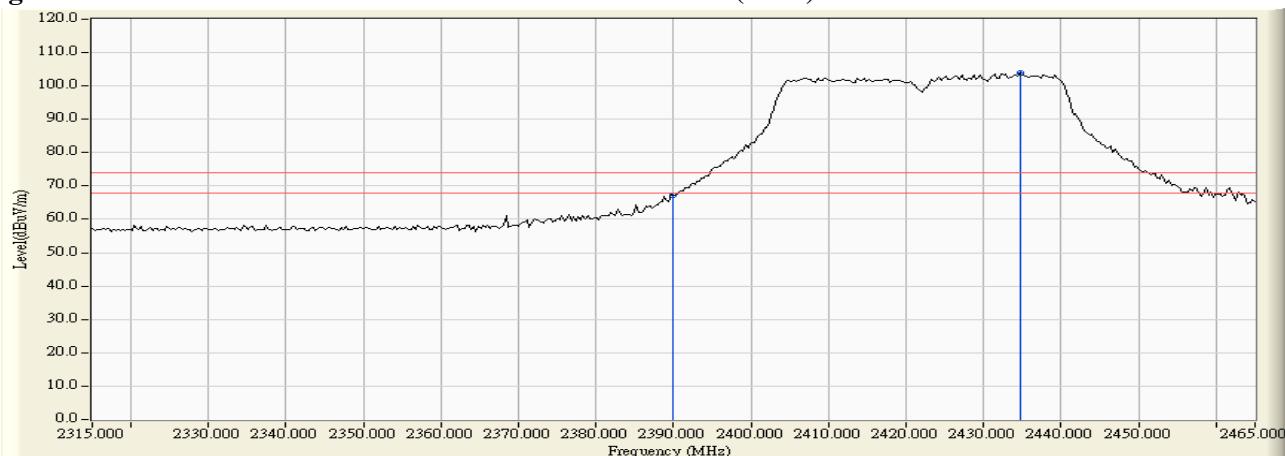
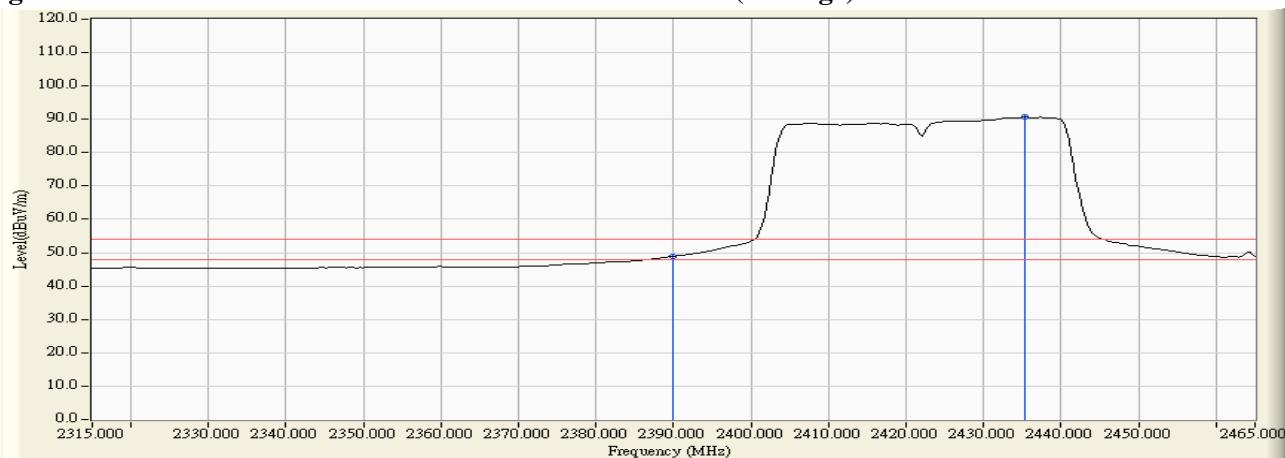


Figure Channel 01:

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 : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 12: Transmit - 802.11n-40BW\_45Mbps(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	30.915	39.977	70.892	74.00	54.00	Pass
01 (Peak)	2437.100	31.119	77.358	108.478	--	--	Pass
01 (Average)	2390.000	30.915	21.049	51.964	74.00	54.00	Pass
01 (Average)	2437.400	31.122	65.163	96.285	--	--	Pass

Figure Channel 01:

Vertical (Peak)

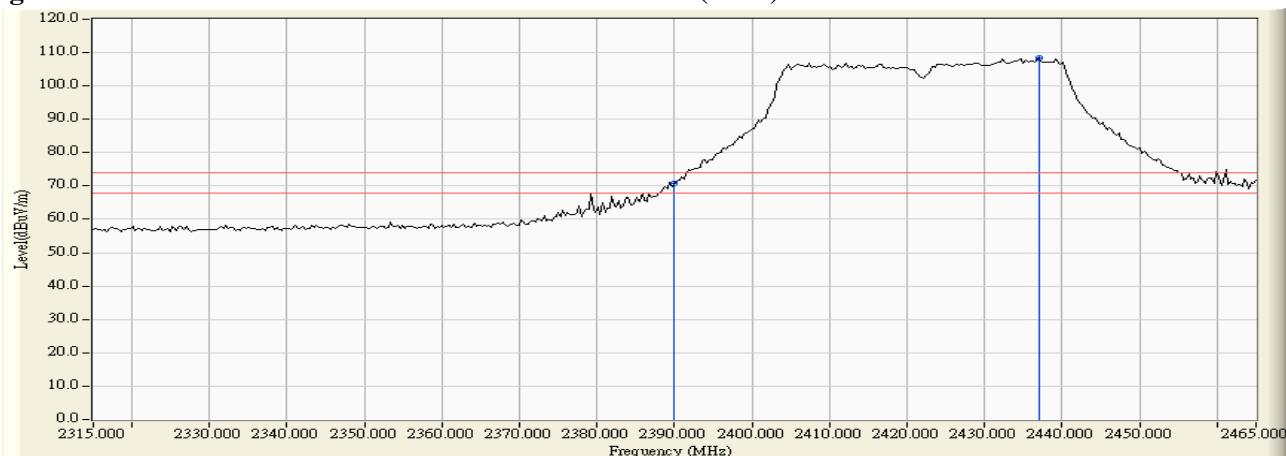
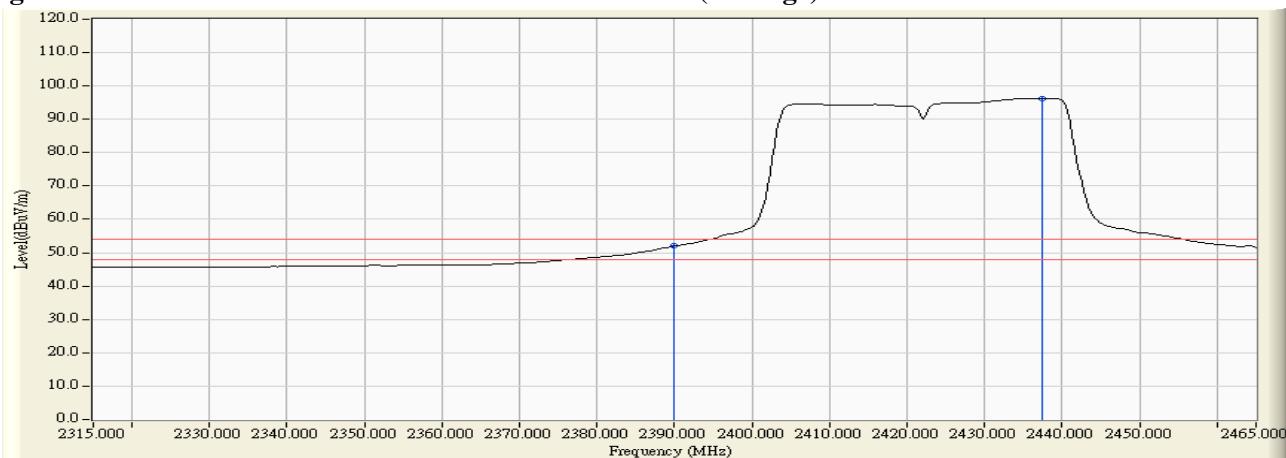


Figure Channel 01:

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 : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 12: Transmit - 802.11n-40BW\_45Mbps(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)	2466.700	32.054	70.921	102.976	--	--	Pass
07 (Peak)	2483.500	32.182	38.069	70.251	74.00	54.00	Pass
07 (Average)	2468.500	32.068	59.177	91.245	--	--	Pass
07 (Average)	2483.500	32.182	19.146	51.328	74.00	54.00	Pass

Figure Channel 07:

Horizontal (Peak)

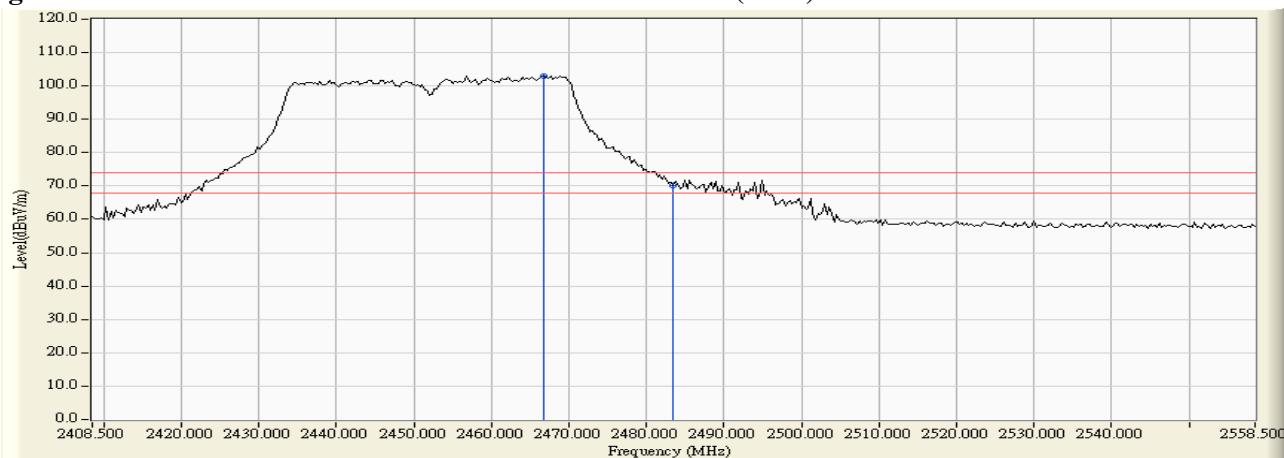
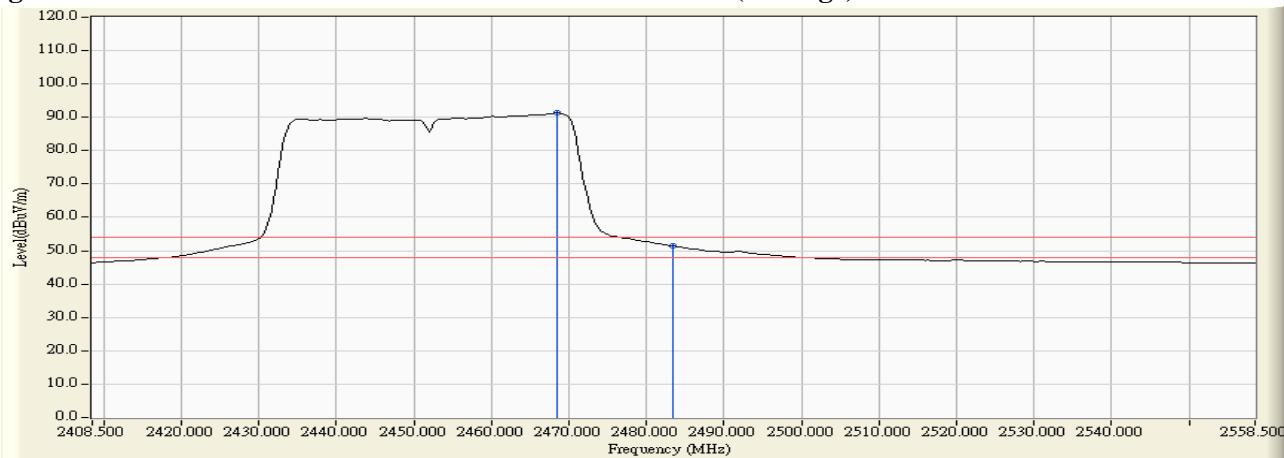


Figure Channel 07:

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 : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 12: Transmit - 802.11n-40BW\_45Mbps(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
07 (Peak)	2469.100	31.338	75.432	106.770	--	--	Pass
07 (Peak)	2483.500	31.435	42.391	73.826	74.00	54.00	Pass
07 (Average)	2468.500	31.334	63.921	95.255	--	--	Pass
07 (Average)	2483.500	31.435	21.212	52.647	74.00	54.00	Pass

Figure Channel 07:

Vertical (Peak)

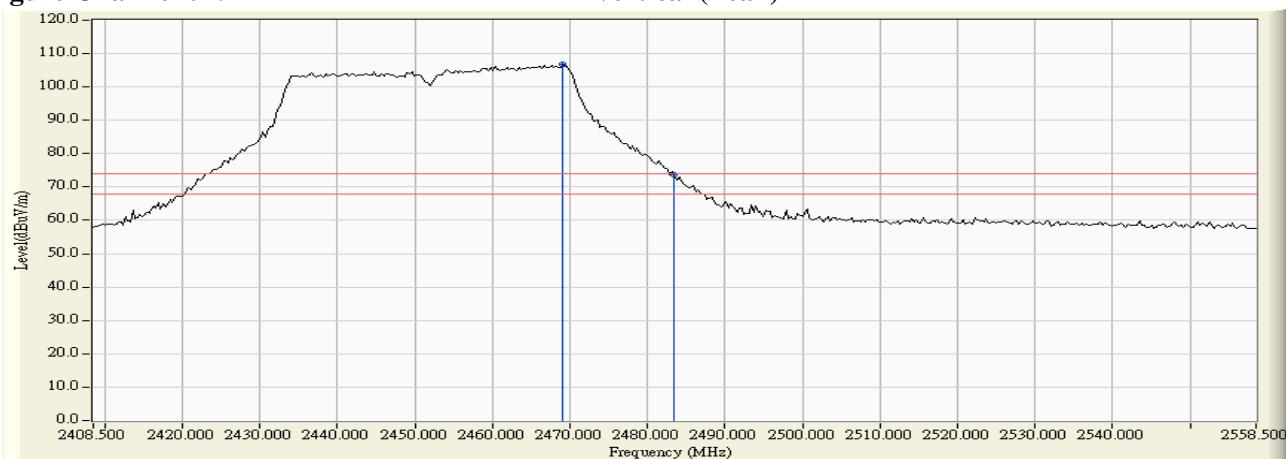
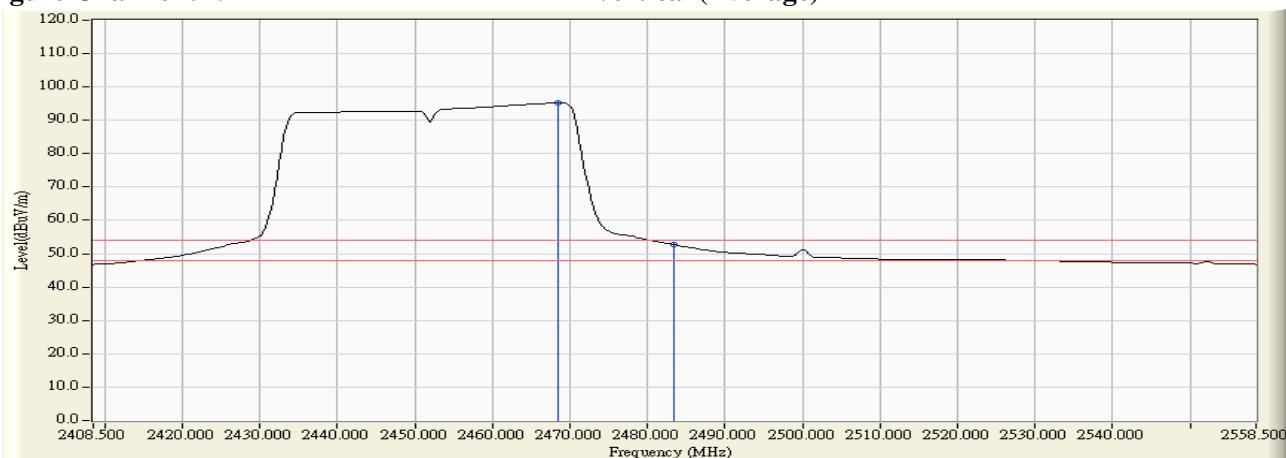


Figure Channel 01:

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

### Chain A

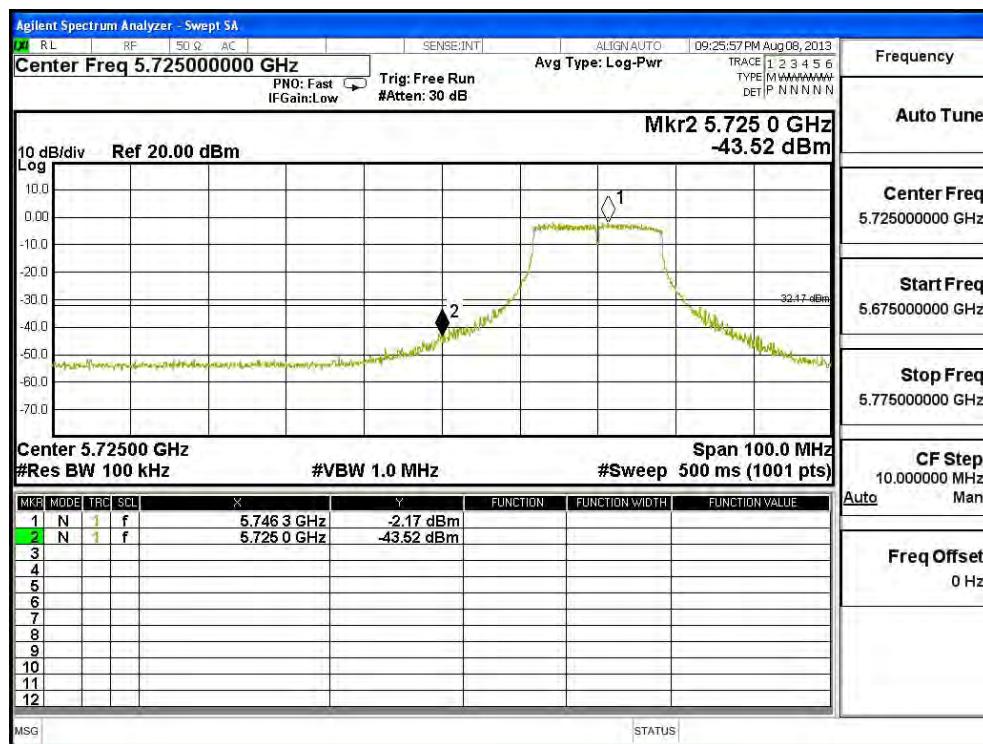
Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5745	32.85	>30	PASS



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

### Chain B

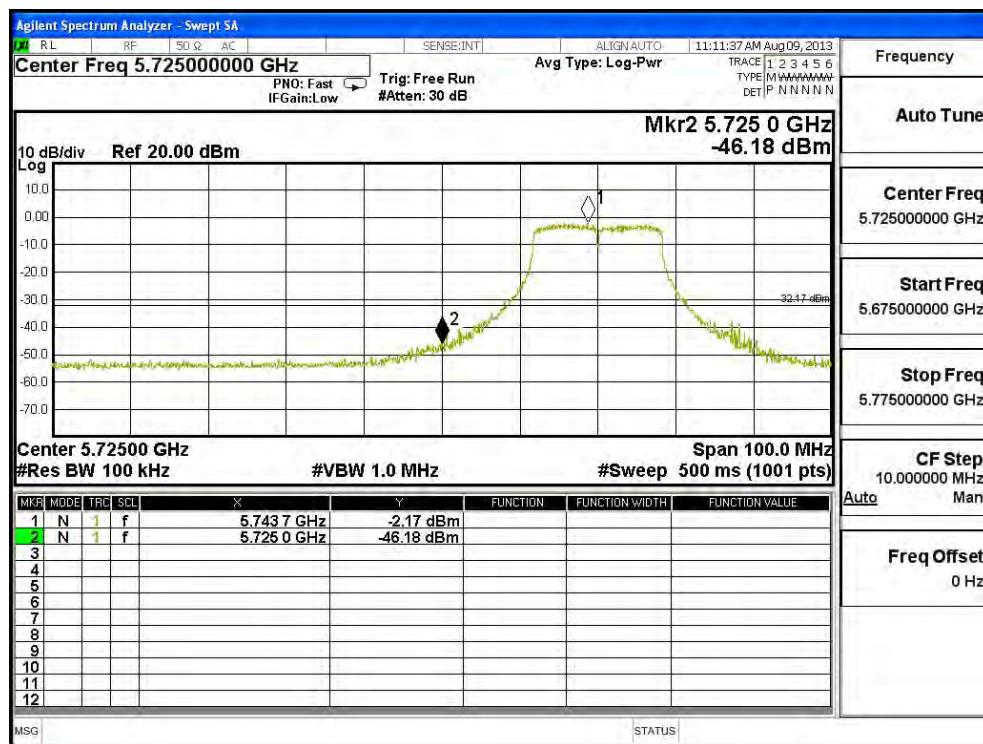
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5745	41.35	>30	PASS



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

## Chain C

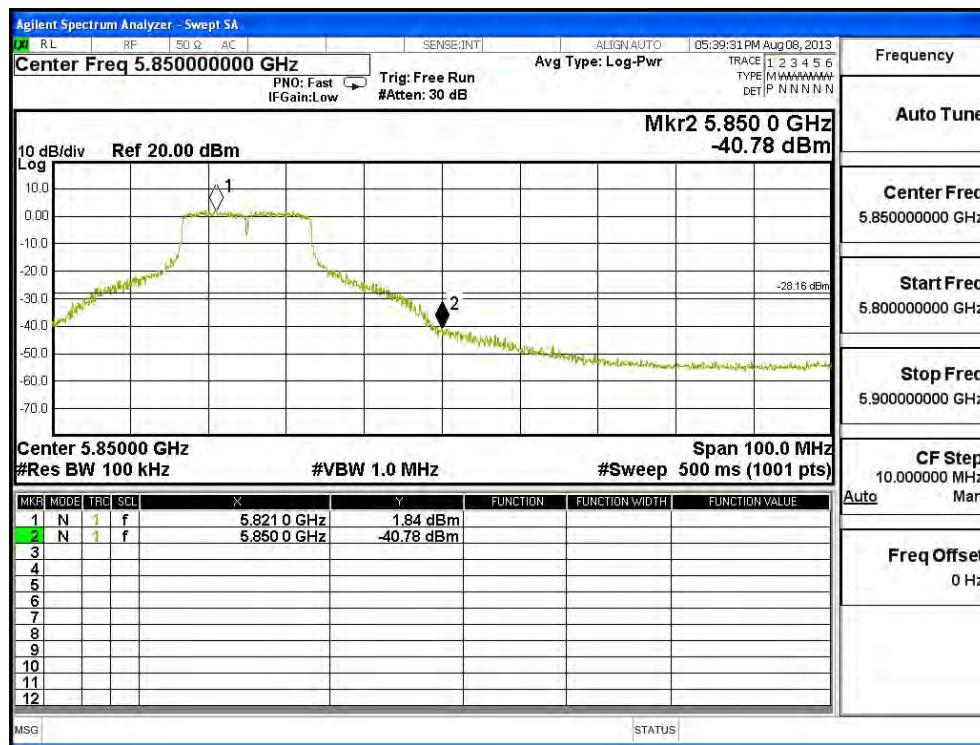
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5745	44.01	>30	PASS



Product : SpectraGuard® 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	42.62	>30	PASS



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

### Chain B

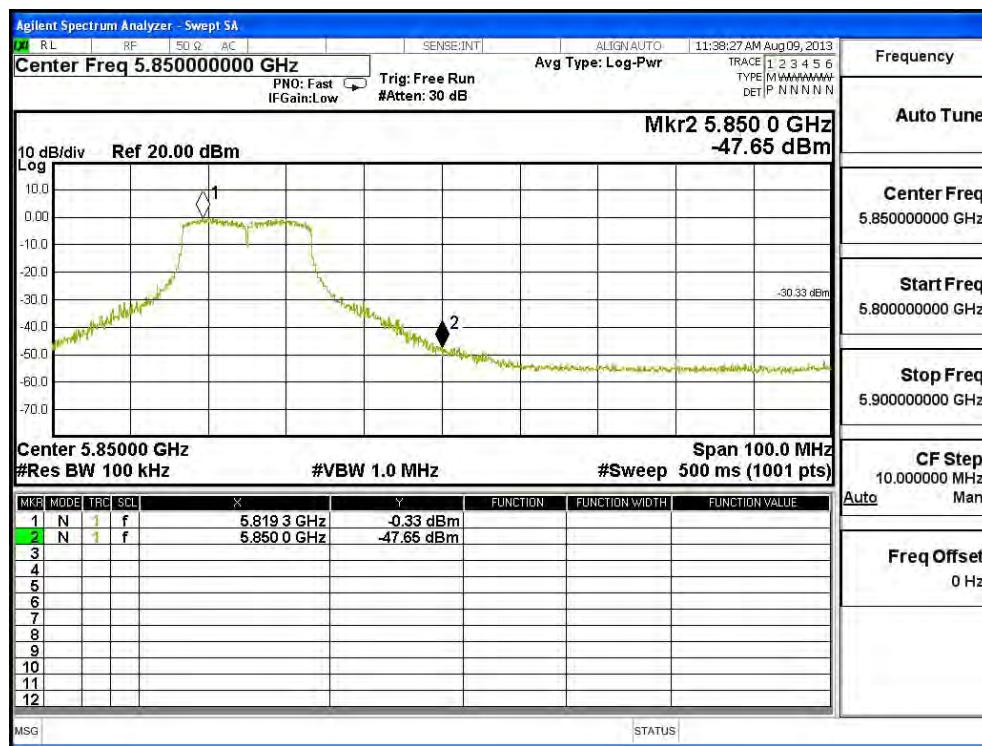
Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5825	46.30	>30	PASS



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

### Chain C

Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5825	47.32	>30	PASS



Product : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 6: Transmit - 802.11n-20BW\_21.7Mbps(5G Band)(Dipole Antenna)

### Chain A

Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5745	31.75	>30	PASS



Product : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 6: Transmit - 802.11n-20BW\_21.7Mbps(5G Band)(Dipole Antenna)

### Chain B

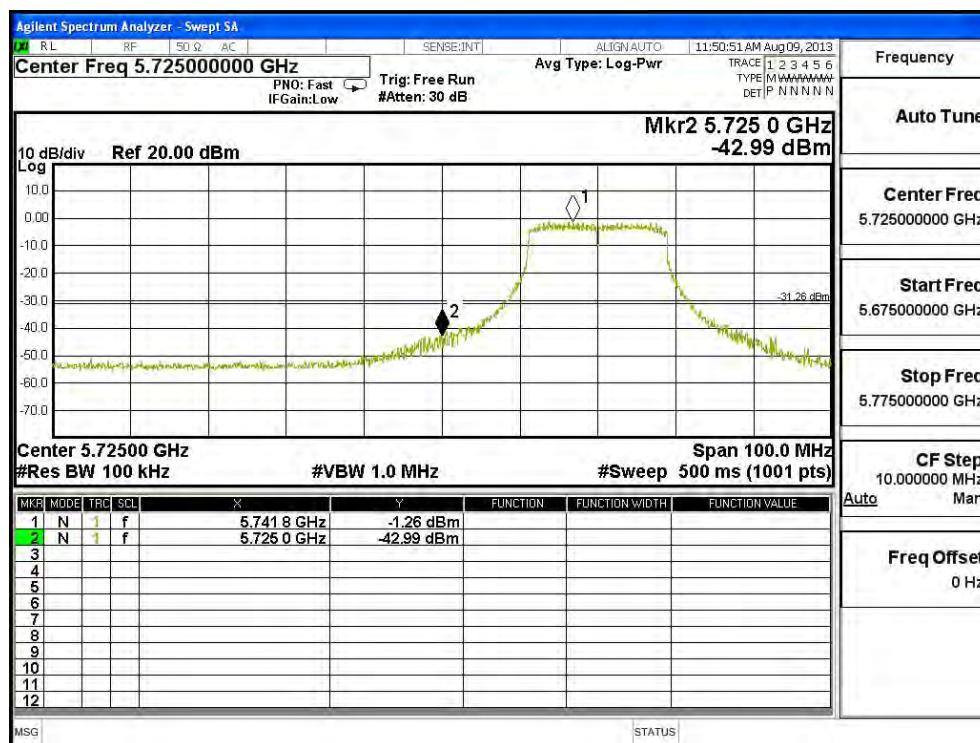
Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5745	39.10	>30	PASS



Product : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 6: Transmit - 802.11n-20BW\_21.7Mbps(5G Band)(Dipole Antenna)

### Chain C

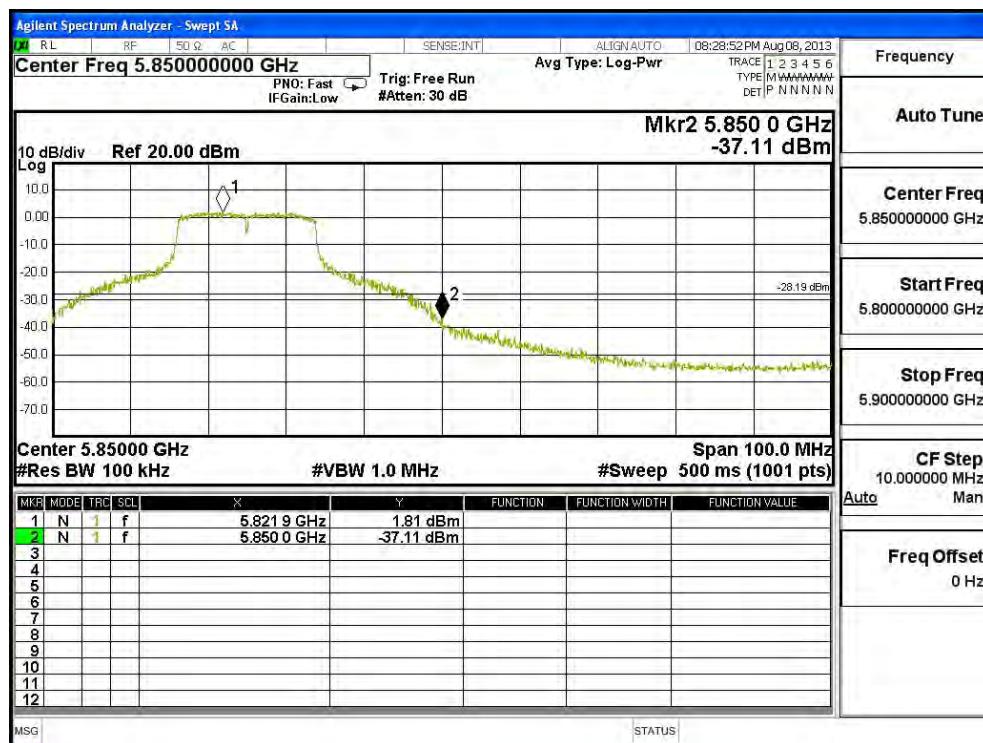
Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5745	41.73	>30	PASS



Product : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 6: Transmit - 802.11n-20BW\_21.7Mbps(5G Band)(Dipole Antenna)

### Chain A

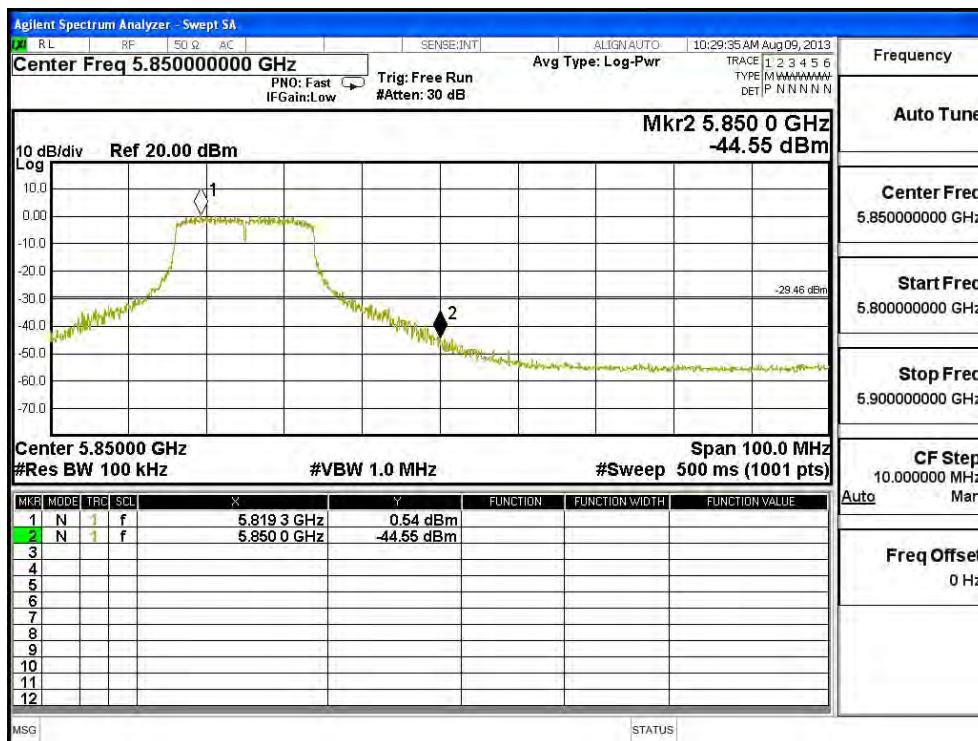
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5825	38.92	>30	PASS



Product : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 6: Transmit - 802.11n-20BW\_21.7Mbps(5G Band)(Dipole Antenna)

### Chain B

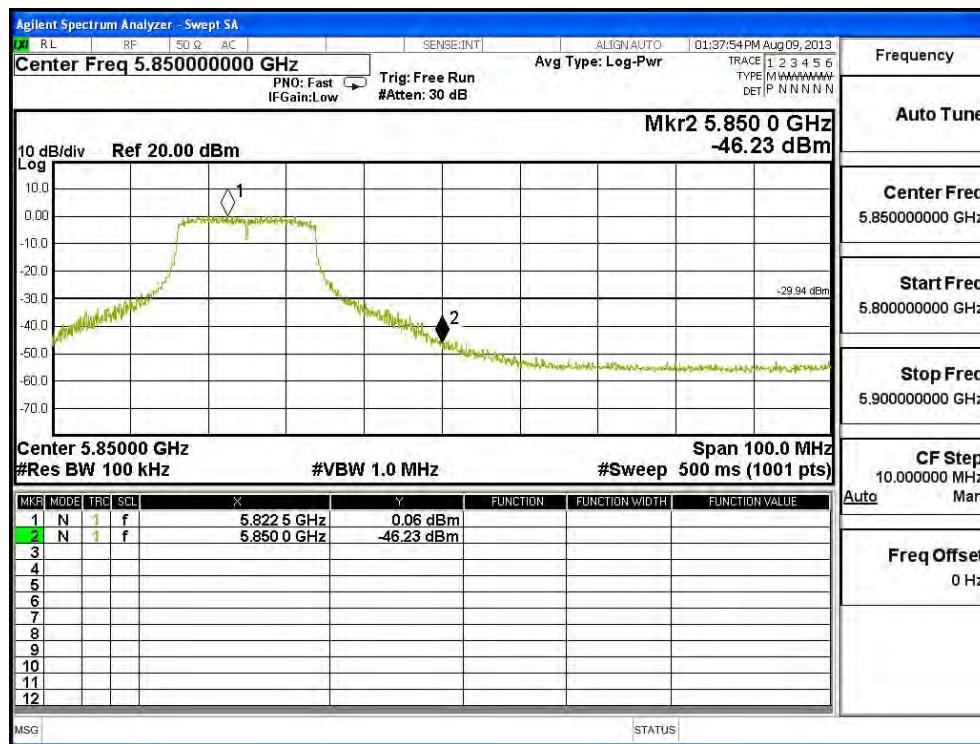
Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5825	45.09	>30	PASS



Product : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 6: Transmit - 802.11n-20BW\_21.7Mbps(5G Band)(Dipole Antenna)

### Chain C

Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5825	46.29	>30	PASS



Product : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 7: Transmit - 802.11n-40BW\_45Mbps(5G Band)(Dipole Antenna)

### Chain A

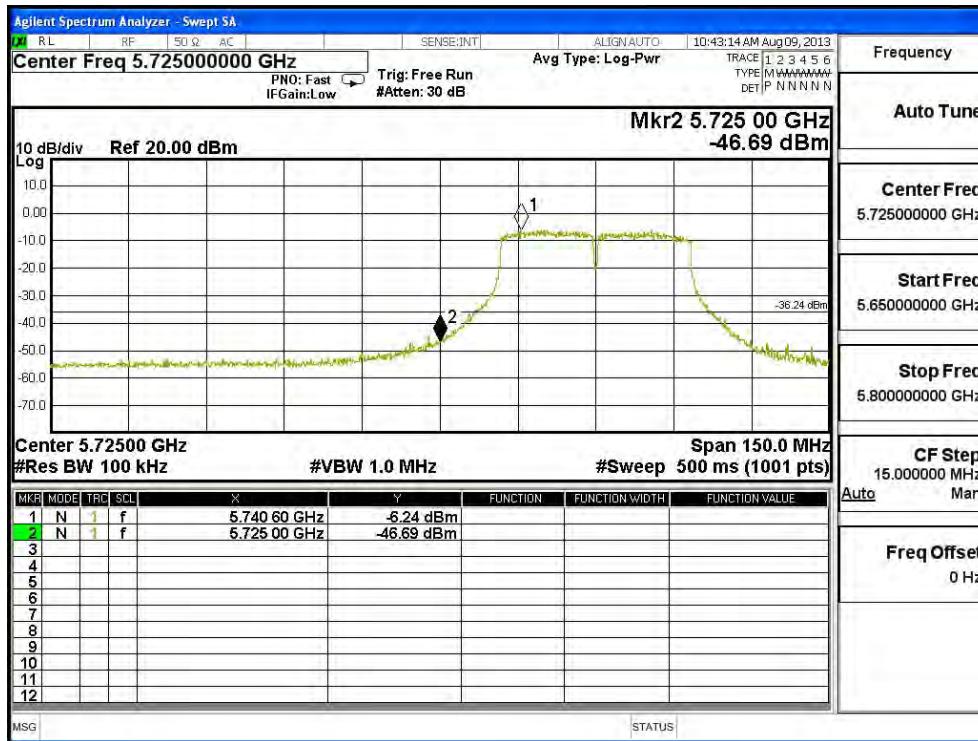
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5755	31.66	>30	PASS



Product : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 7: Transmit - 802.11n-40BW\_45Mbps(5G Band)(Dipole Antenna)

### Chain B

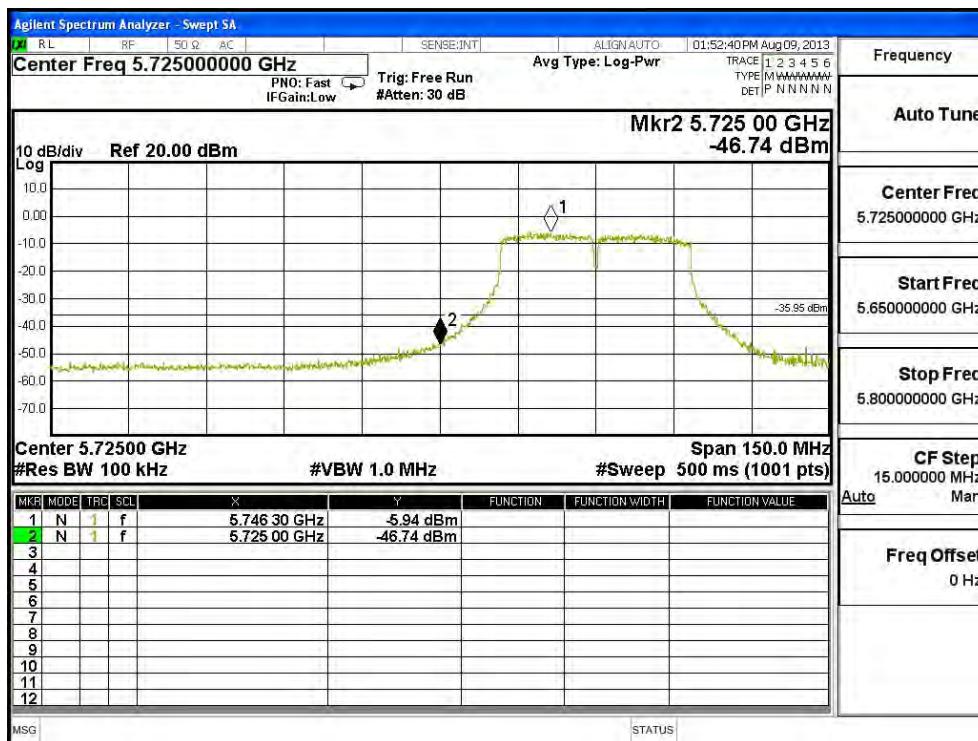
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5755	40.45	>30	PASS



Product : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 7: Transmit - 802.11n-40BW\_45Mbps(5G Band)(Dipole Antenna)

### Chain C

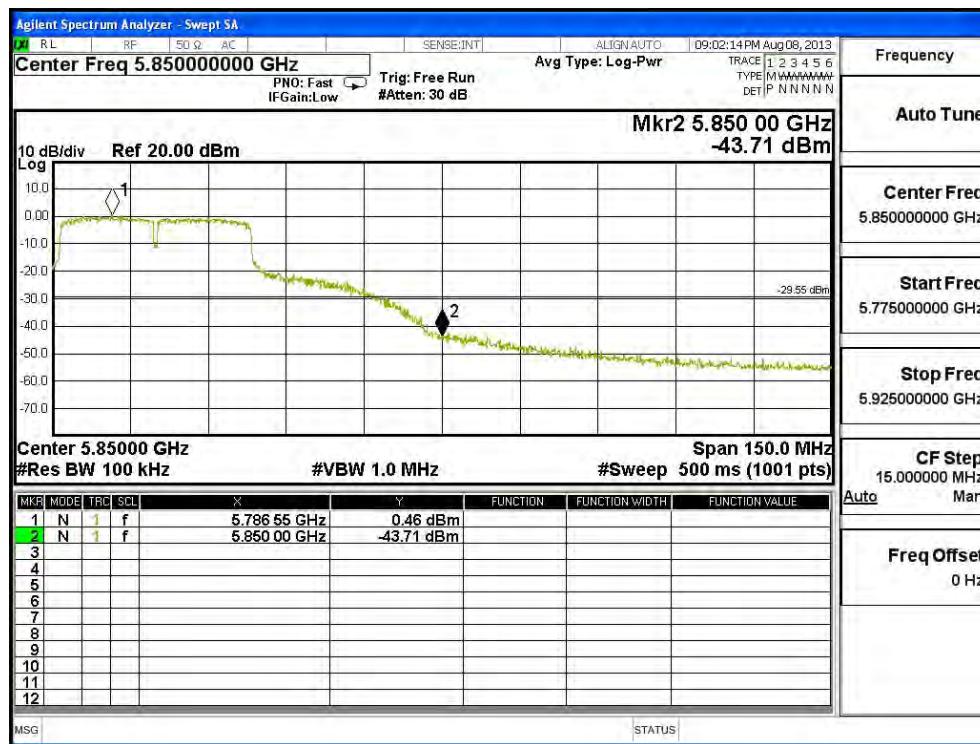
Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5755	40.80	>30	PASS



Product : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 7: Transmit - 802.11n-40BW\_45Mbps(5G Band)(Dipole Antenna)

### Chain A

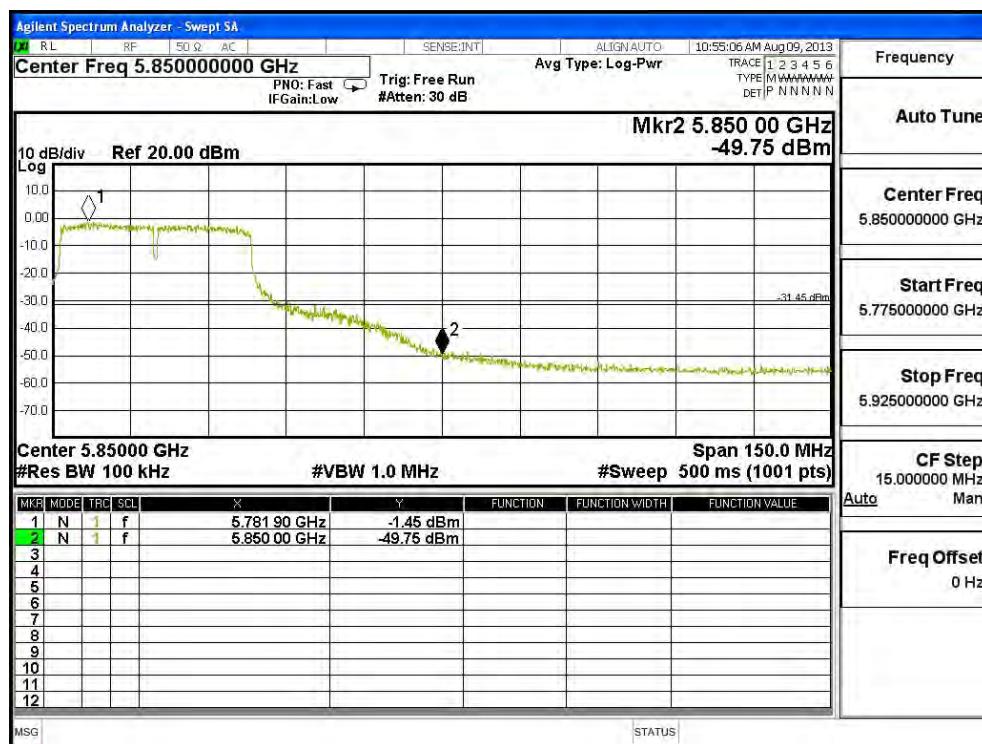
Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5795	44.17	>30	PASS



Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 7: Transmit - 802.11n-40BW\_45Mbps(5G Band)(Dipole Antenna)

### Chain B

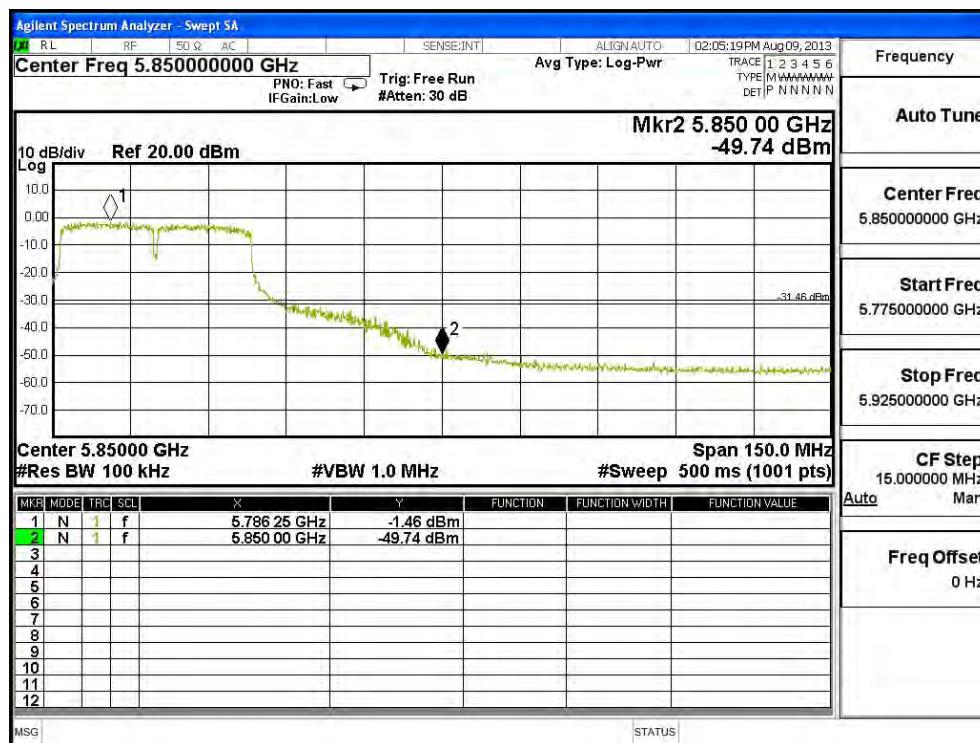
Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5795	48.30	>30	PASS



Product : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 7: Transmit - 802.11n-40BW\_45Mbps(5G Band)(Dipole Antenna)

### Chain C

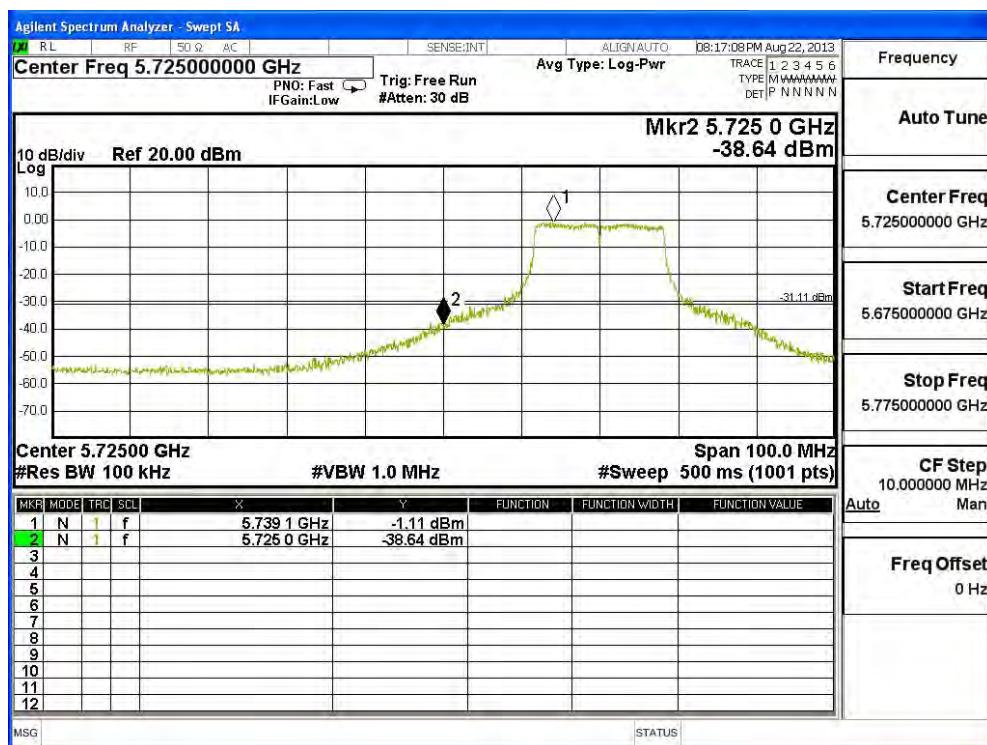
Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5795	48.28	>30	PASS



Product : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 10: Transmit - 802.11a 6Mbps(PIFA Antenna)

## Chain A

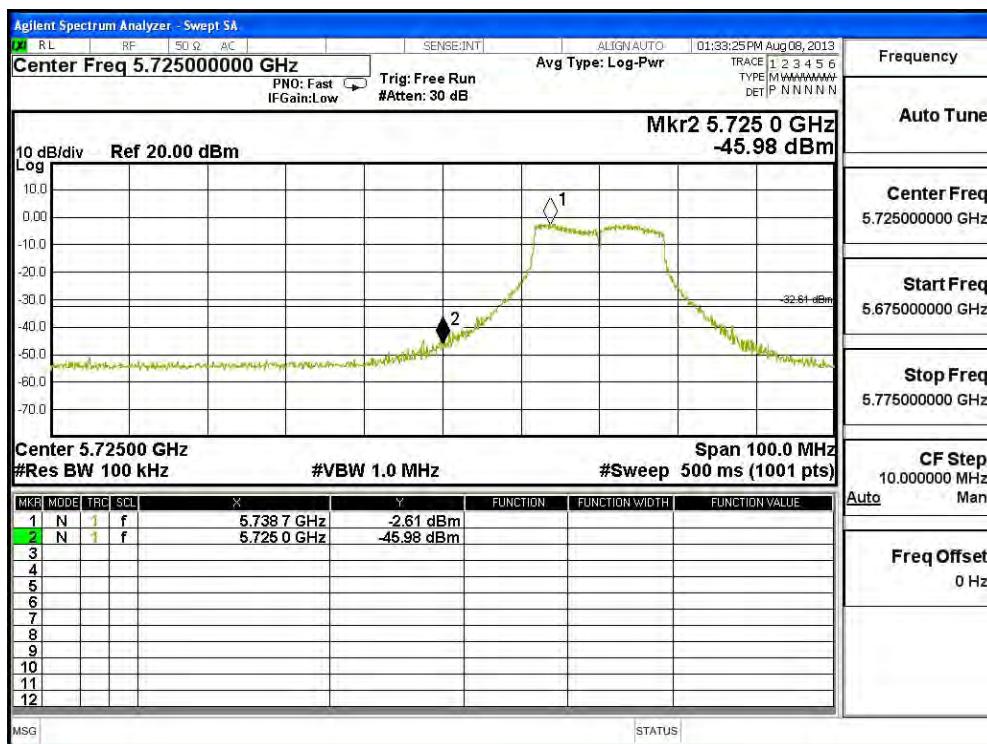
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5745	37.50	>30	PASS



Product : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 10: Transmit - 802.11a 6Mbps(PIFA Antenna)

Chain B

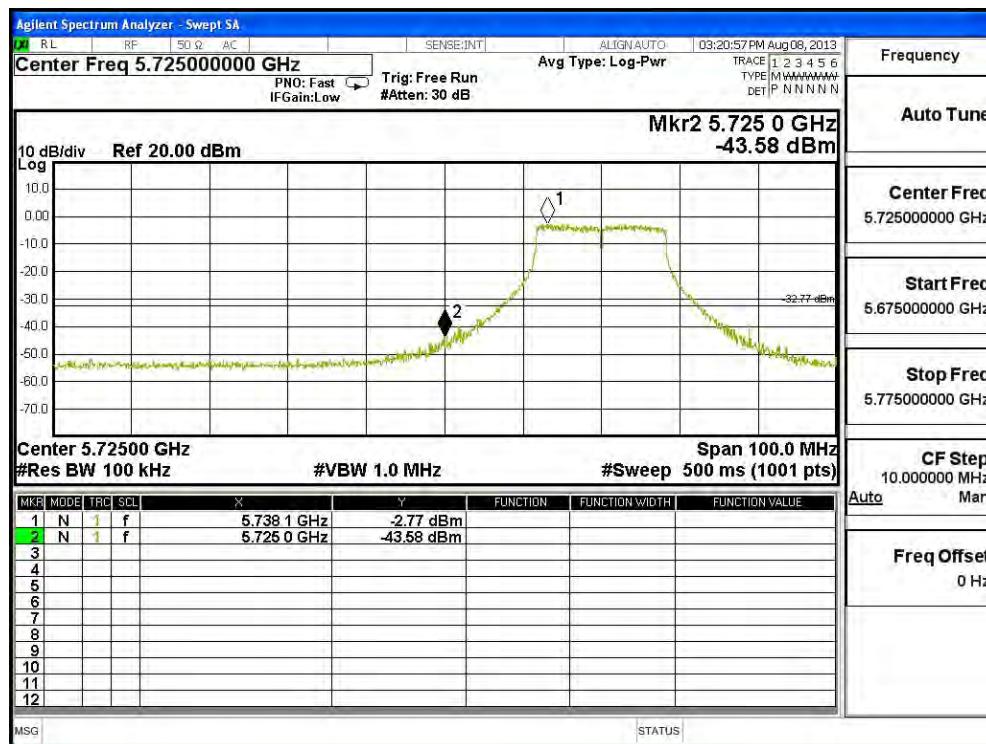
Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5745	43.37	>30	PASS



Product : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 10: Transmit - 802.11a 6Mbps(PIFA Antenna)

### Chain C

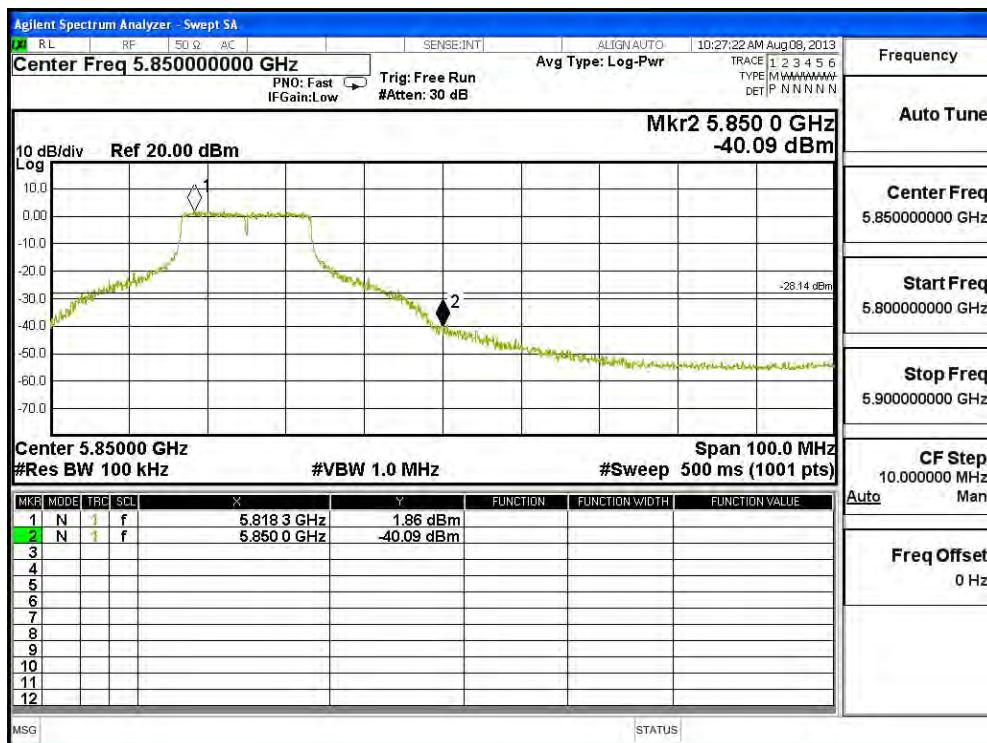
Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5745	40.81	>30	PASS



Product : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 10: Transmit - 802.11a 6Mbps(PIFA Antenna)

### Chain A

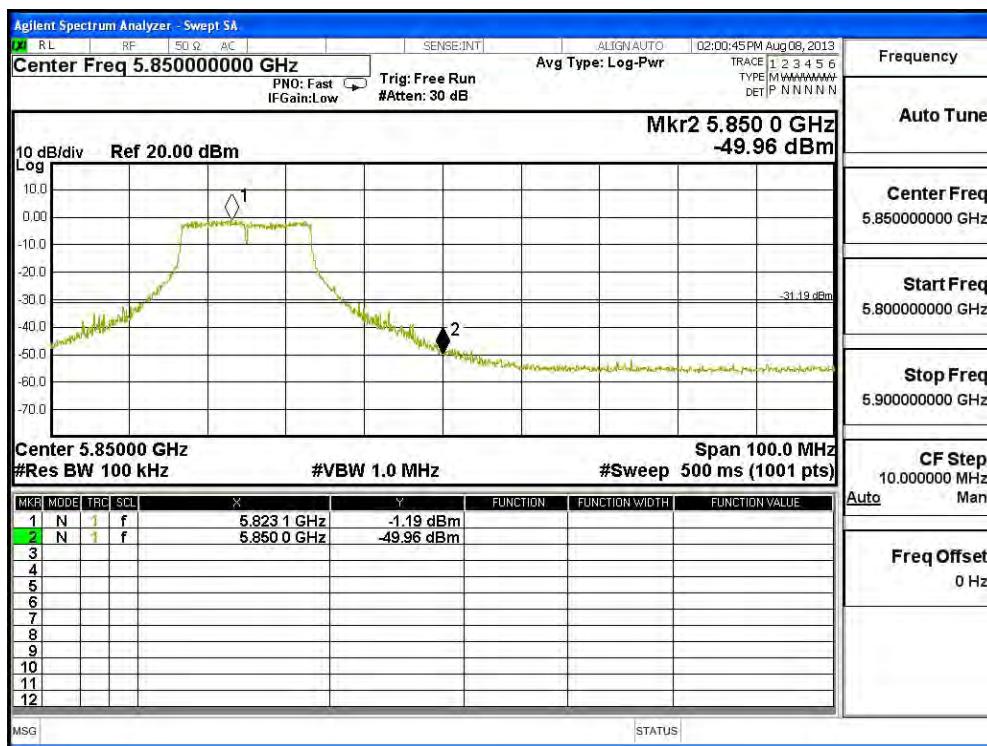
Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5825	41.95	>30	PASS



Product : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 10: Transmit - 802.11a 6Mbps(PIFA Antenna)

### Chain B

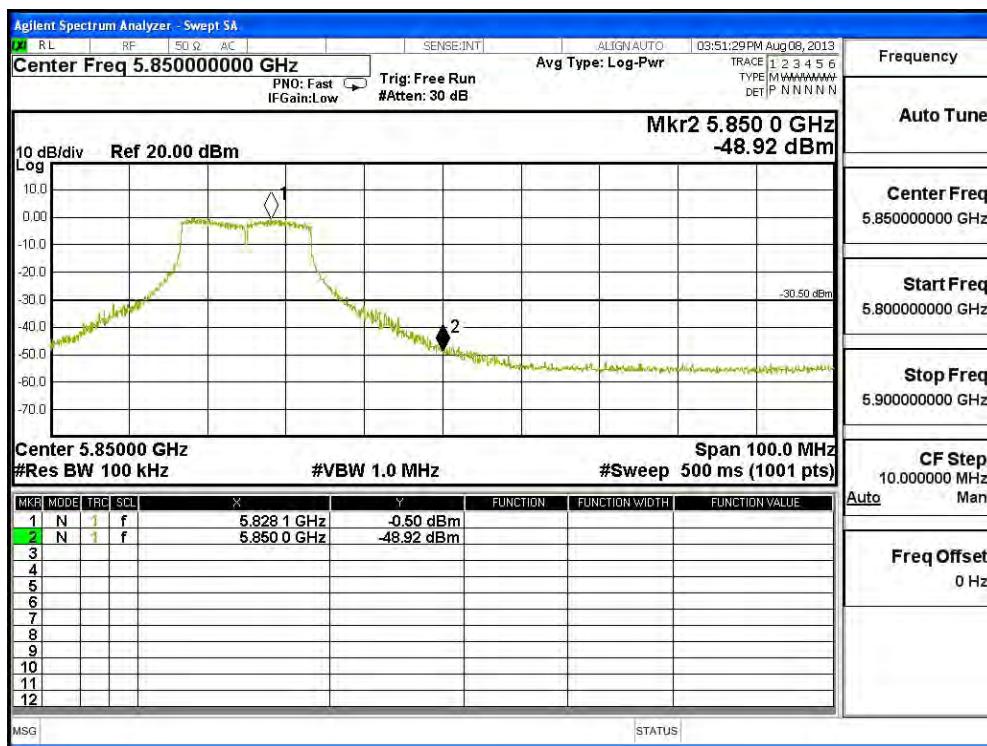
Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5825	48.77	>30	PASS



Product : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 10: Transmit - 802.11a 6Mbps(PIFA Antenna)

### Chain C

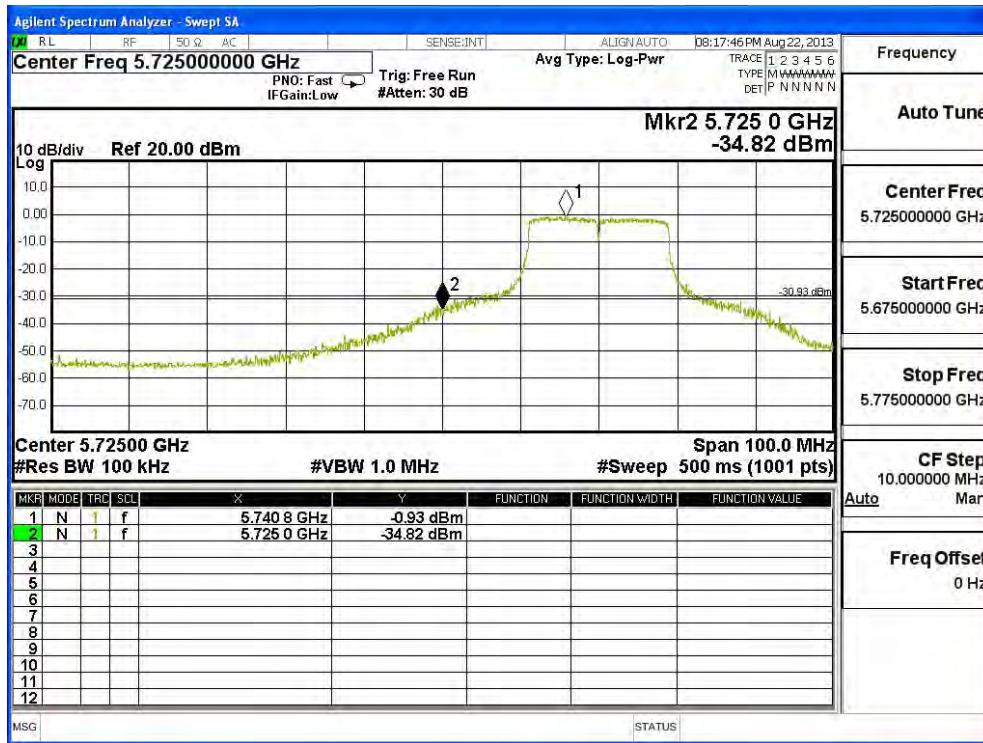
Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5825	48.42	>30	PASS



Product : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 13: Transmit - 802.11n-20BW\_21.7Mbps(5G Band)(PIFA Antenna)

### Chain A

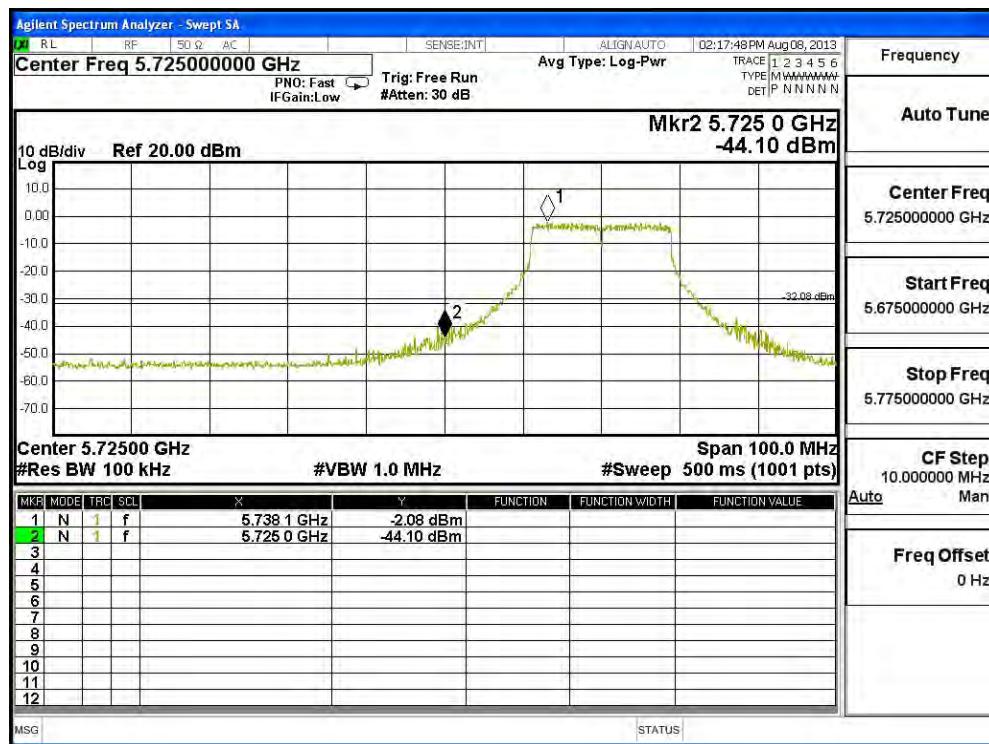
Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5745	33.89	>30	PASS



Product : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 13: Transmit - 802.11n-20BW\_21.7Mbps(5G Band)(PIFA Antenna)

### Chain B

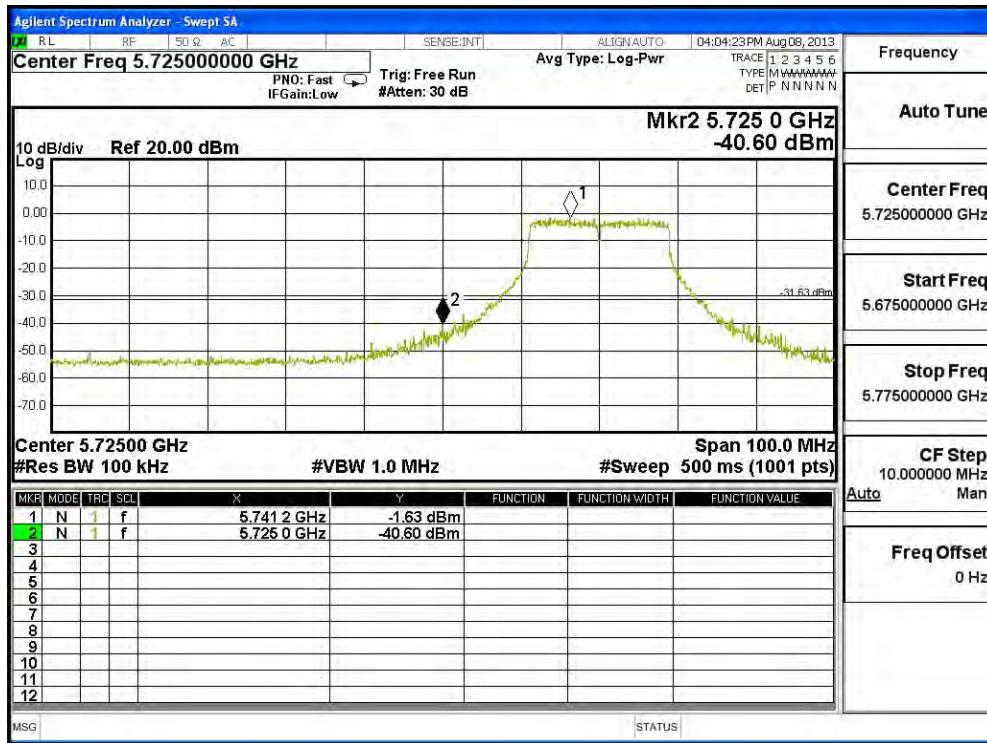
Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5745	42.02	>30	PASS



Product : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 13: Transmit - 802.11n-20BW\_21.7Mbps(5G Band)(PIFA Antenna)

### Chain C

Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5745	38.97	>30	PASS



Product : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 13: Transmit - 802.11n-20BW\_21.7Mbps(5G Band)(PIFA Antenna)

### Chain A

Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5825	37.38	>30	PASS



Product : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 13: Transmit - 802.11n-20BW\_21.7Mbps(5G Band)(PIFA Antenna)

### Chain B

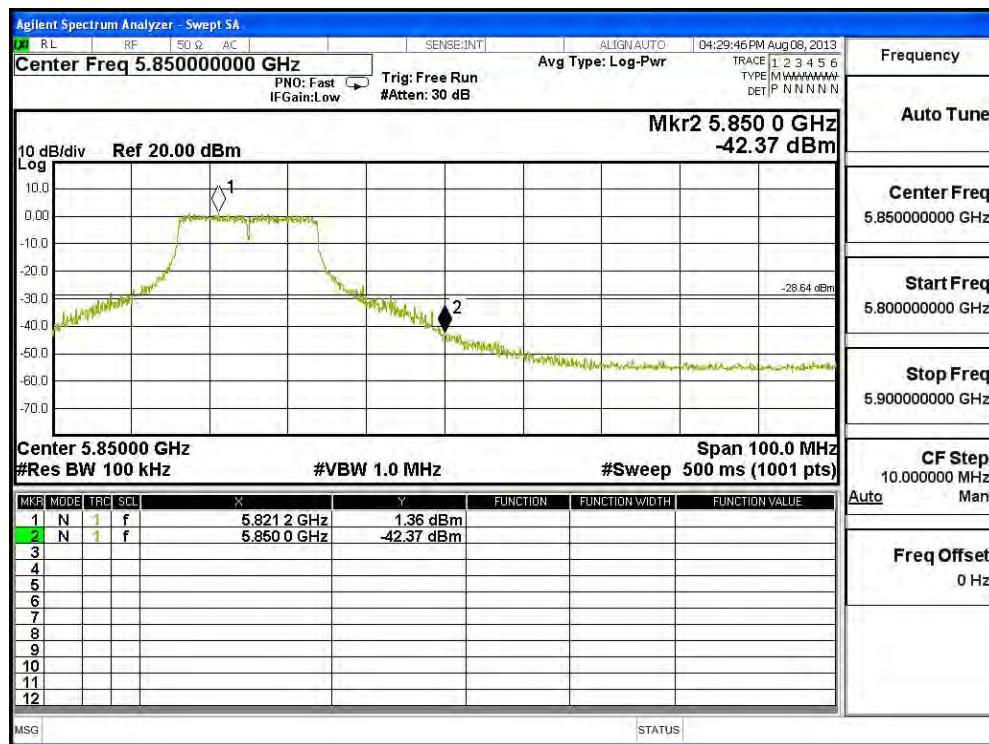
Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5825	43.44	>30	PASS



Product : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 13: Transmit - 802.11n-20BW\_21.7Mbps(5G Band)(PIFA Antenna)

### Chain C

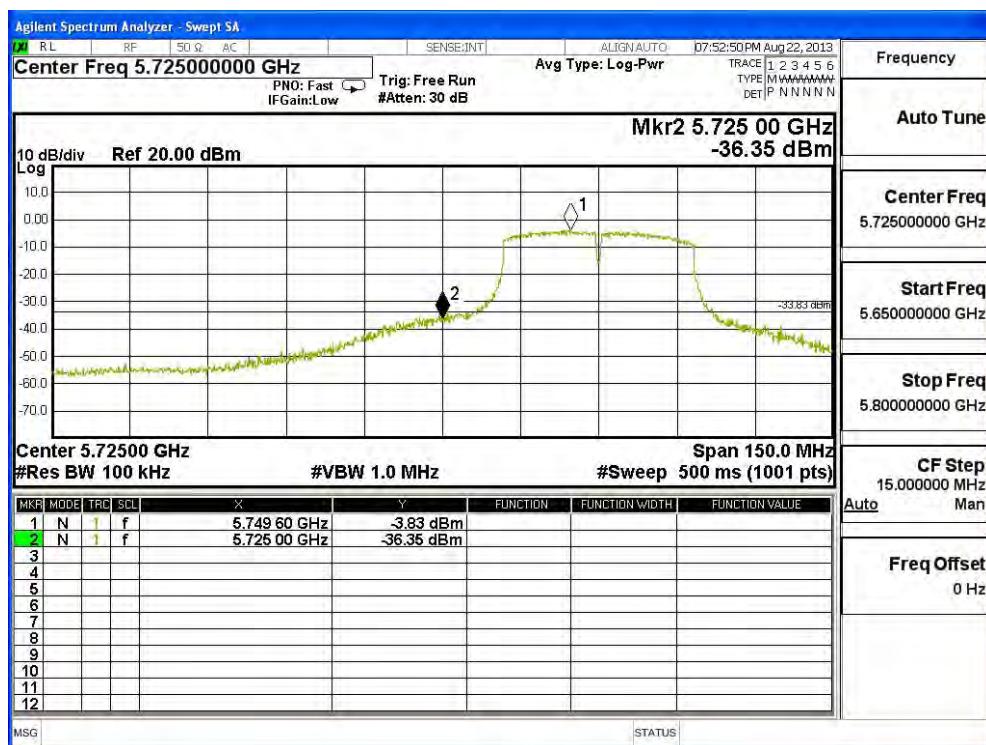
Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5825	43.73	>30	PASS



Product : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 14: Transmit - 802.11n-40BW\_45Mbps(5G Band)(PIFA Antenna)

### Chain A

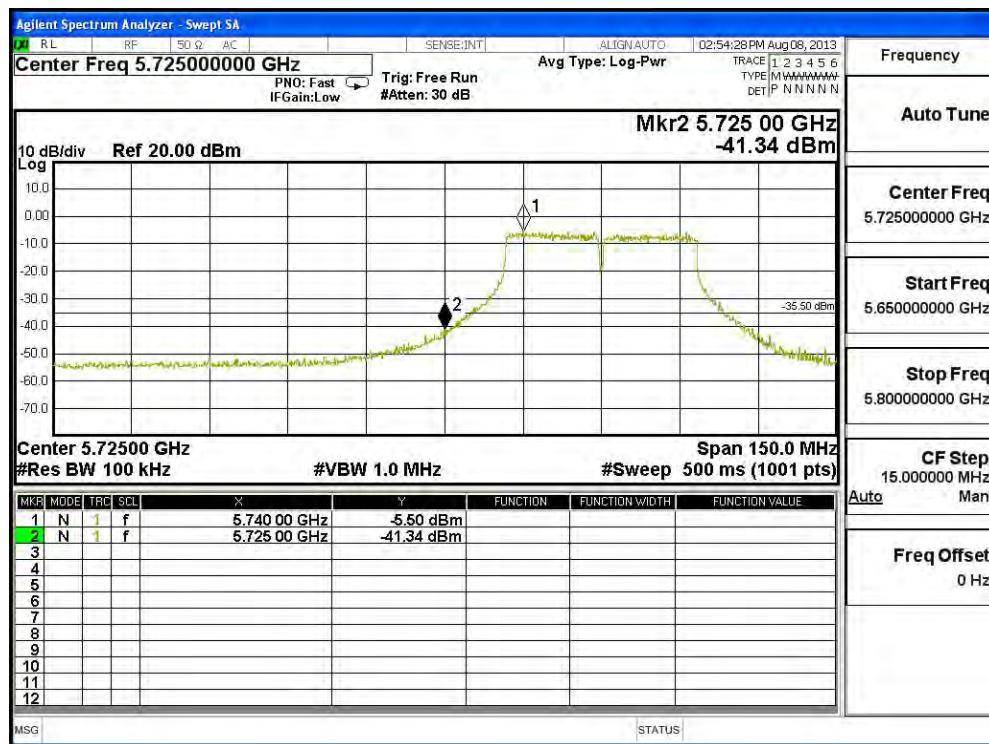
Test Frequency (MHz)	Measurement Level Δ (dB)	Limit Δ (dB)	Result
5755	32.52	>30	PASS



Product : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 14: Transmit - 802.11n-40BW\_45Mbps(5G Band)(PIFA Antenna)

### Chain B

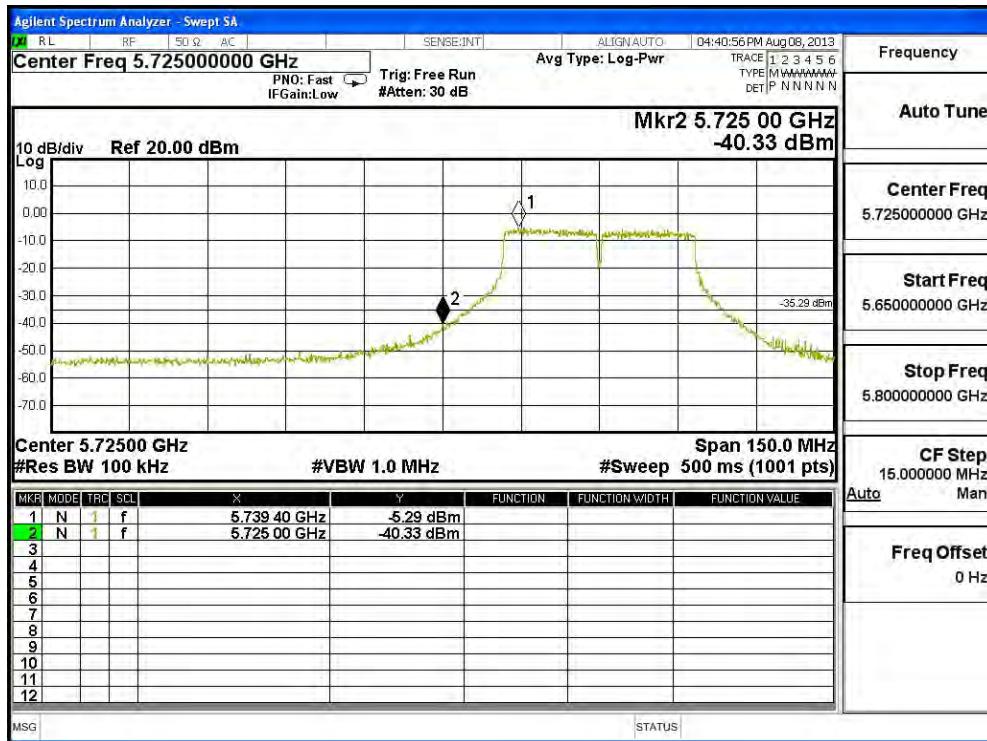
Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5755	35.84	>30	PASS



Product : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 14: Transmit - 802.11n-40BW\_45Mbps(5G Band)(PIFA Antenna)

### Chain C

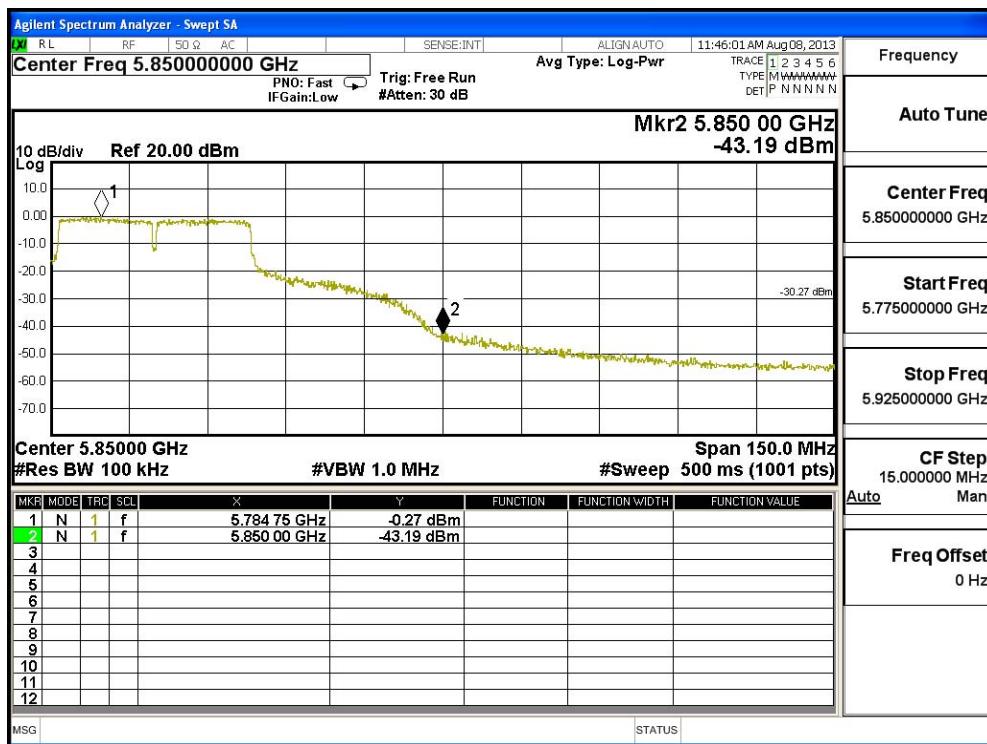
Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5755	35.04	>30	PASS



Product : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 14: Transmit - 802.11n-40BW\_45Mbps(5G Band)(PIFA Antenna)

### Chain A

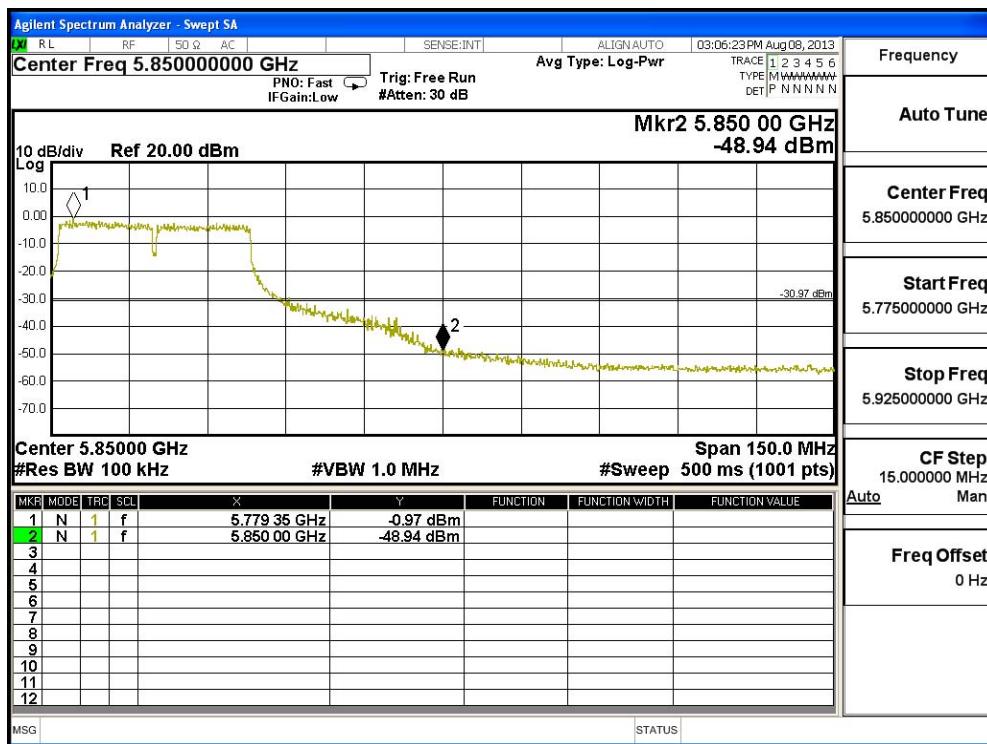
Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5795	42.92	>30	PASS



Product : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 14: Transmit - 802.11n-40BW\_45Mbps(5G Band)(PIFA Antenna)

### Chain B

Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5795	47.97	>30	PASS



Product : SpectraGuard® Access Point / Sensor  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 14: Transmit - 802.11n-40BW\_45Mbps(5G Band)(PIFA Antenna)

### Chain C

Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5795	46.13	>30	PASS

