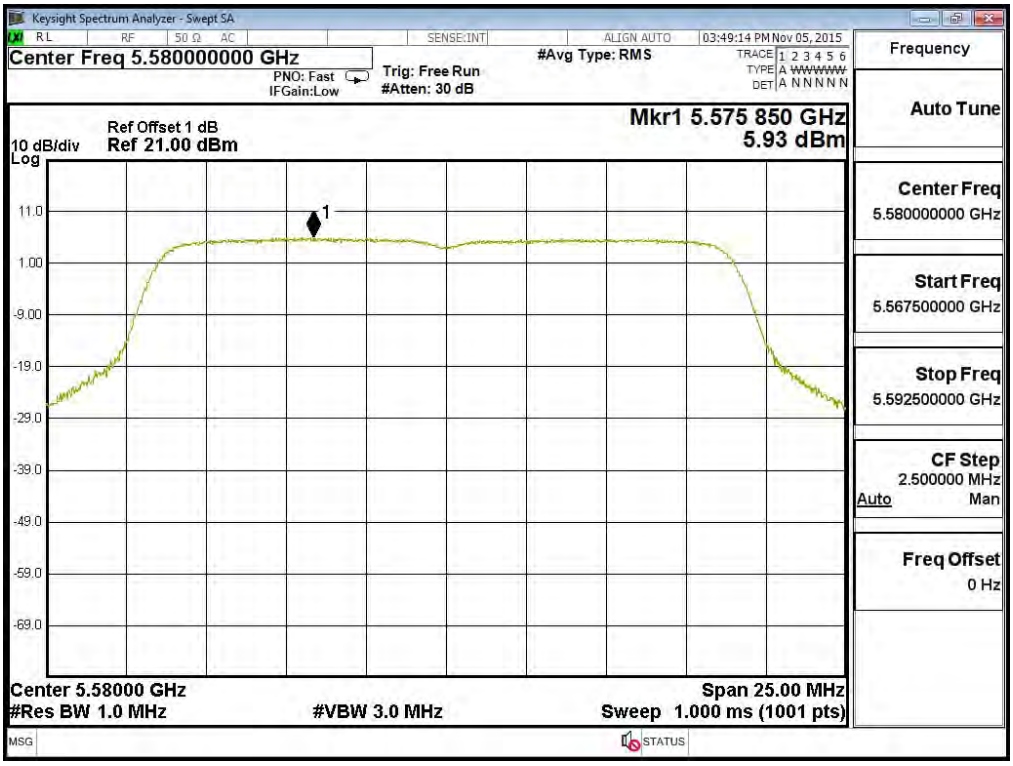
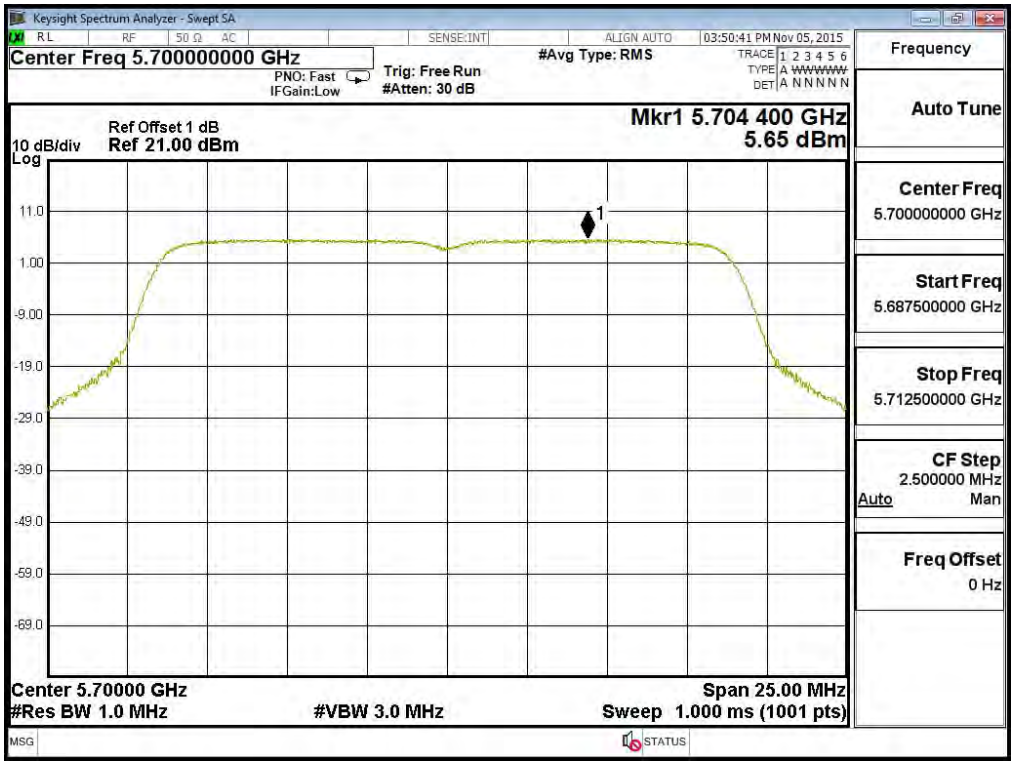
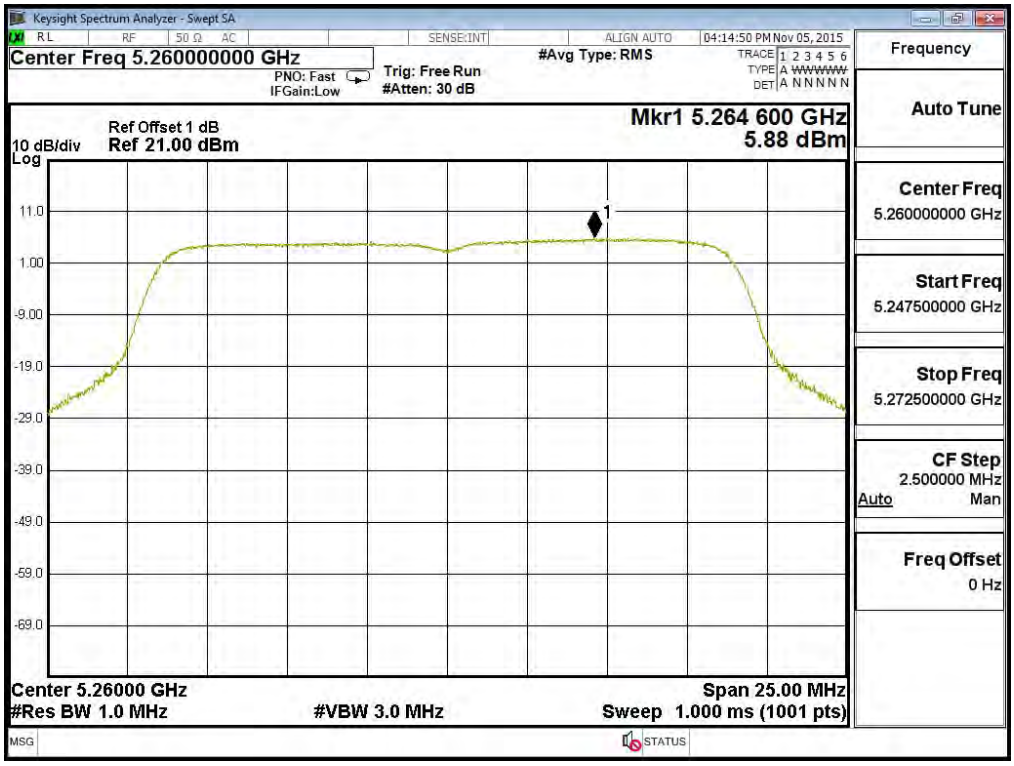
Channel 116: (Chain B)



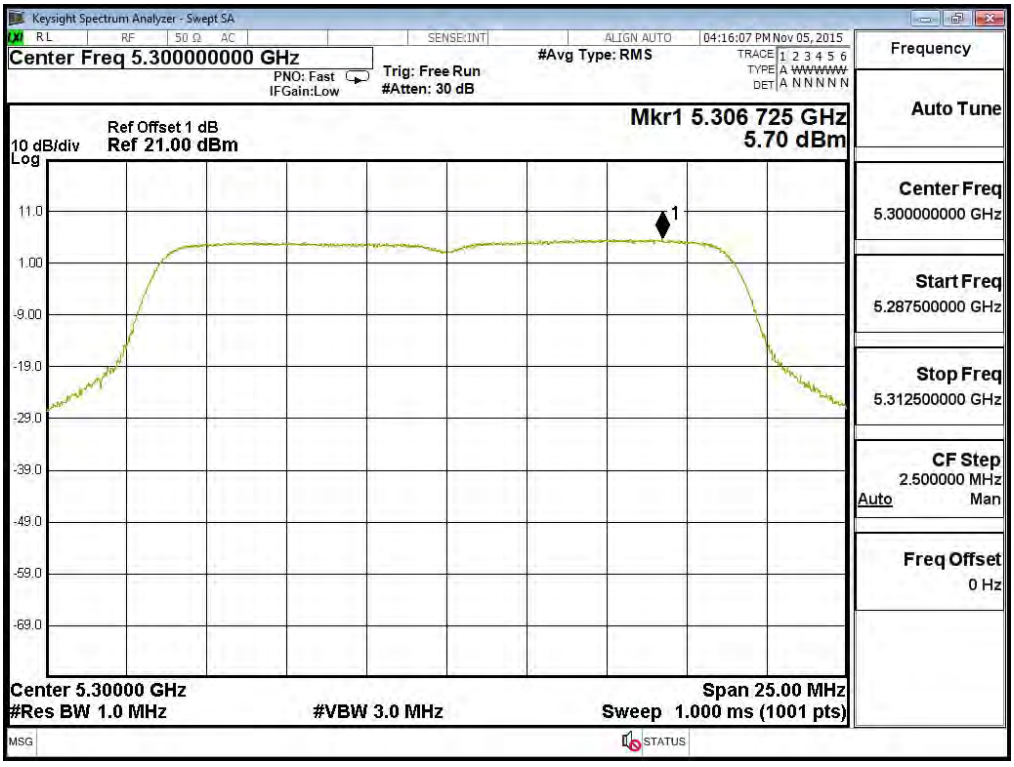
Channel 140: (Chain B)



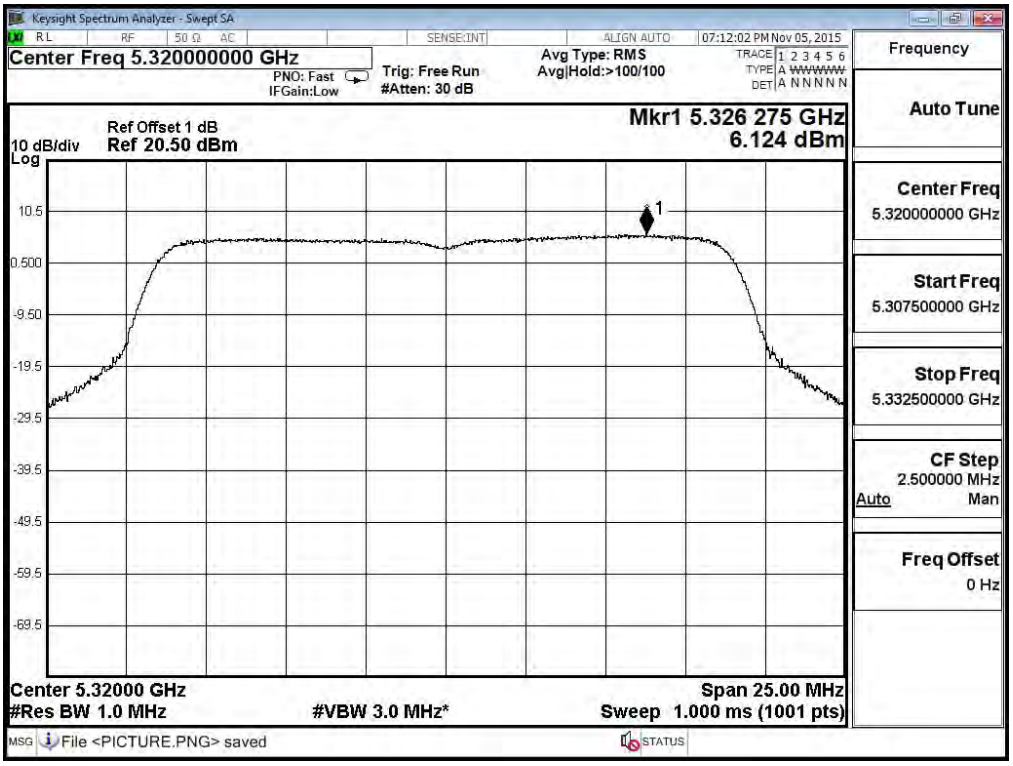
Channel 52: (Chain C)



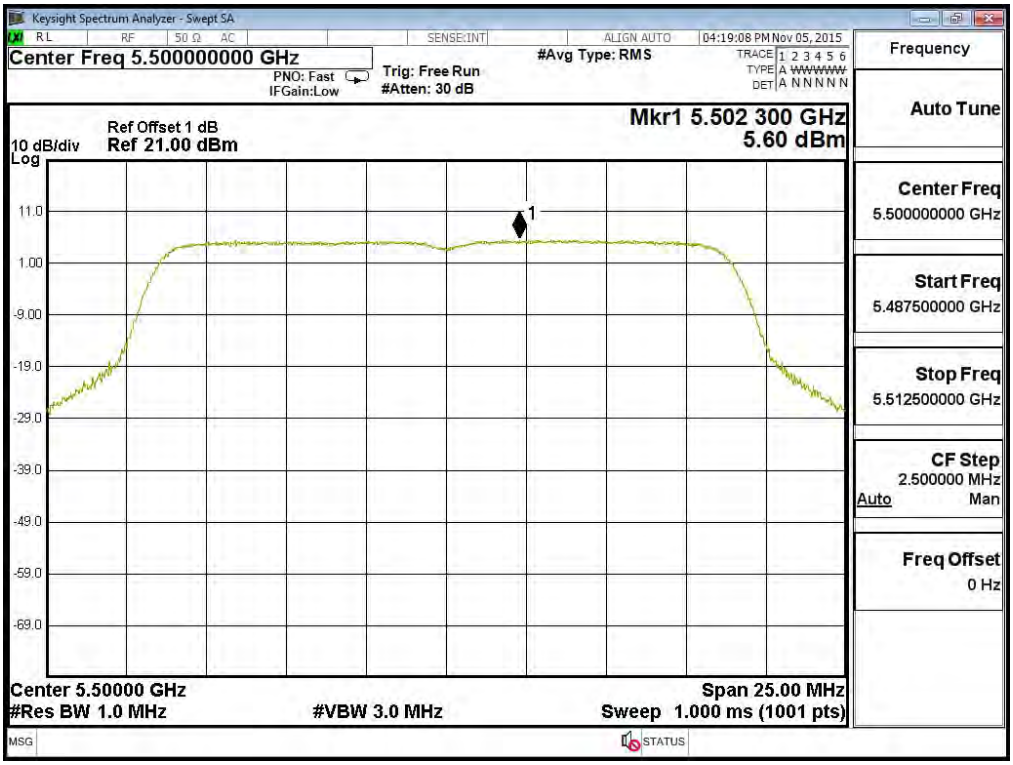
Channel 60: (Chain C)



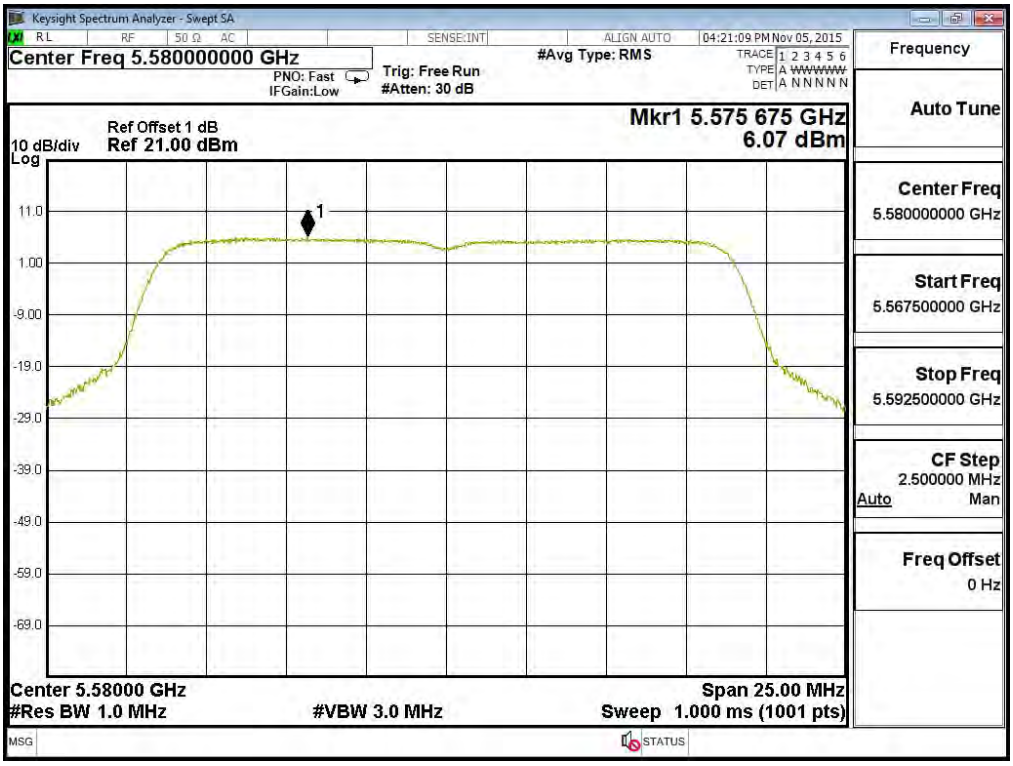
Channel 64: (Chain C)



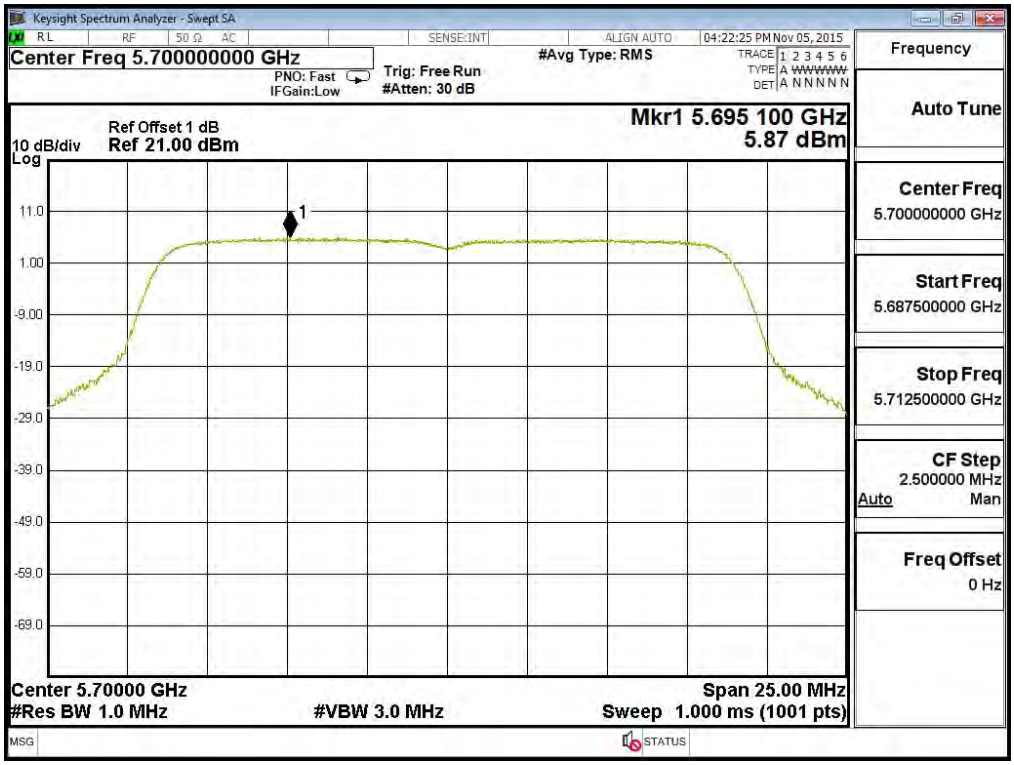
Channel 100: (Chain C)



Channel 116: (Chain C)



Channel 140: (Chain C)



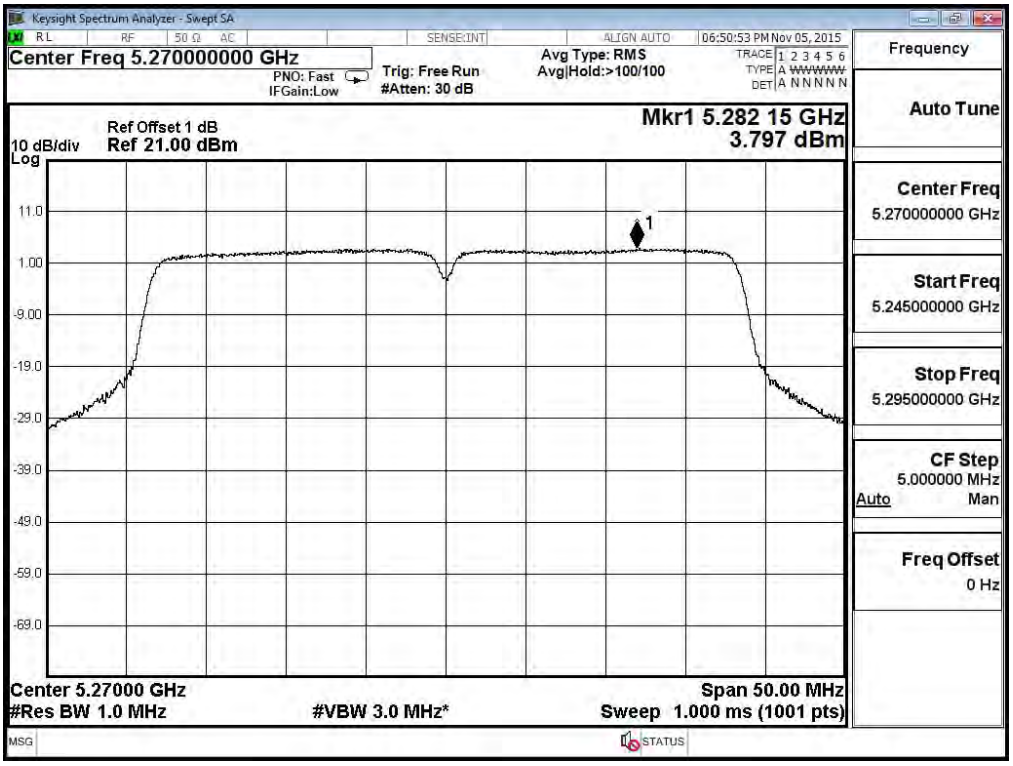
Product : 802.11ac Dual Band Access Point
Test Item : Peak Power Spectral Density
Test Site : No.3 OATS
Test Mode : Mode 3: Transmit (802.11n-40BW 45Mbps)

5250~5350MHz, 5470-5600 MHz and 5650-5725 MHz

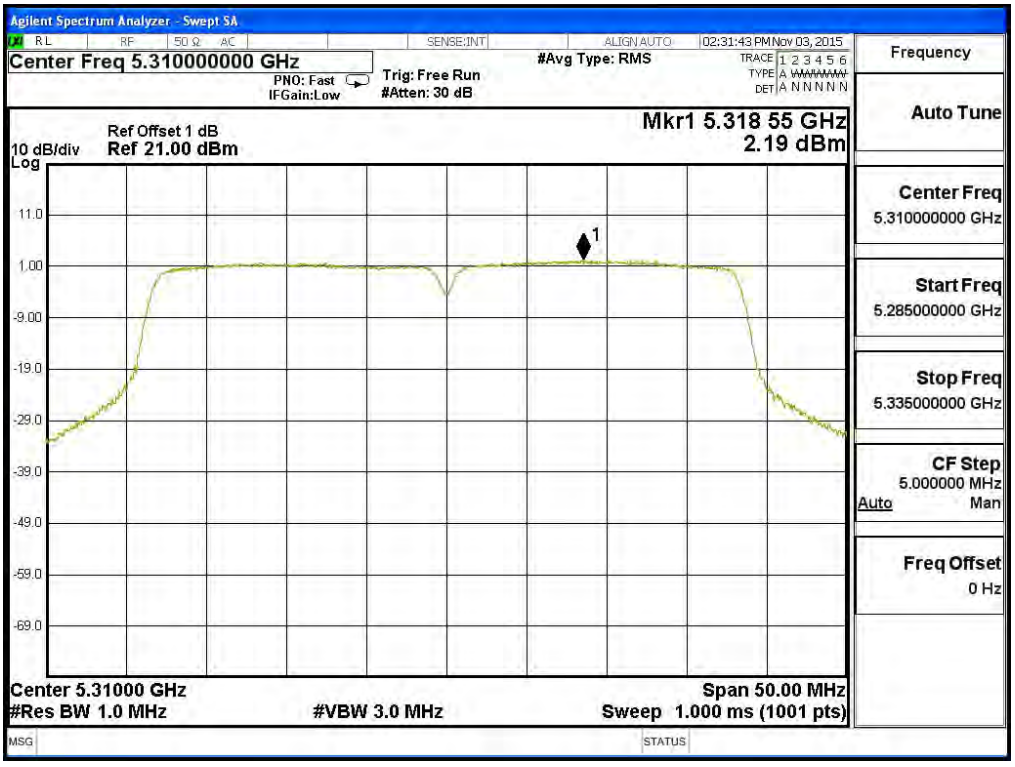
Channel Number	Frequency (MHz)	Chain	PPSD/MHz (dBm)	Total PPSD/MHz (dBm)	Required Limit (dBm)	Result
54	5270	A	3.797	8.568	<11	Pass
		B	4.014	8.785	<11	Pass
		C	4.167	8.938	<11	Pass
62	5310	A	2.190	6.961	<11	Pass
		B	2.810	7.581	<11	Pass
		C	2.220	6.991	<11	Pass
102	5510	A	2.920	7.691	<11	Pass
		B	2.640	7.411	<11	Pass
		C	1.920	6.691	<11	Pass
110	5550	A	4.420	9.191	<11	Pass
		B	4.570	9.341	<11	Pass
		C	3.880	8.651	<11	Pass
134	5670	A	4.000	8.771	<11	Pass
		B	3.760	8.531	<11	Pass
		C	3.650	8.421	<11	Pass

Note: 1.The quantity 10*log 3 (three antennas) is added to the spectrum peak value according to document 662911 D01.
2.Total PPSD Value = PPSD/MHz value + 10*log 3 (three antennas).

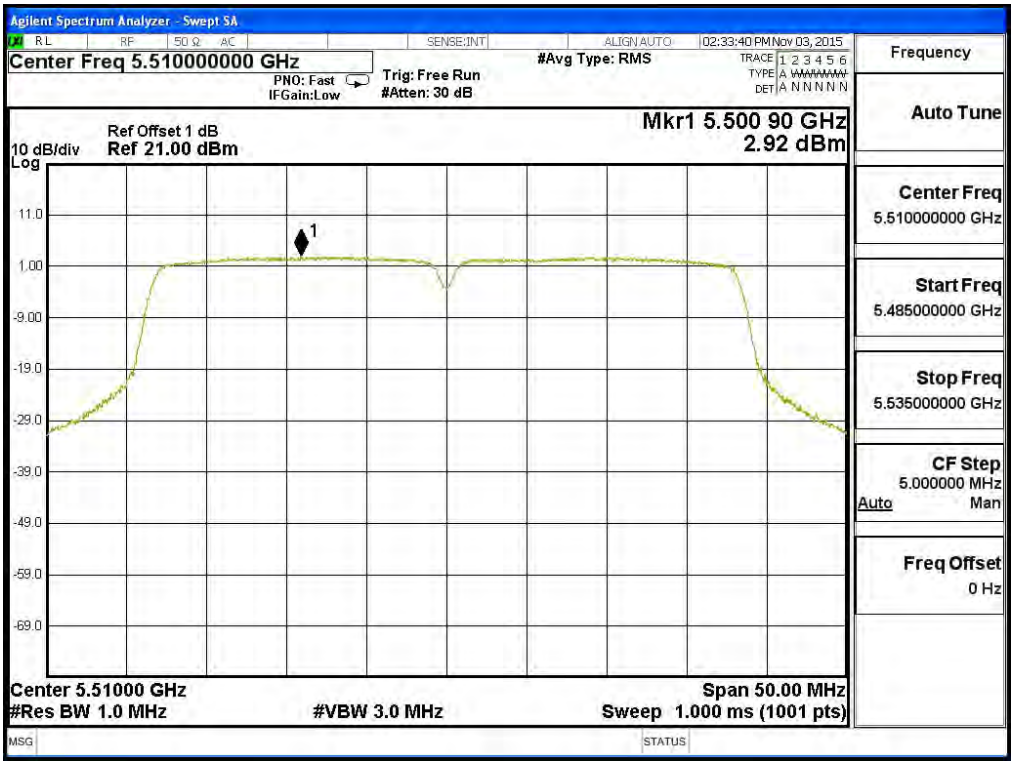
Channel 54: (Chain A)



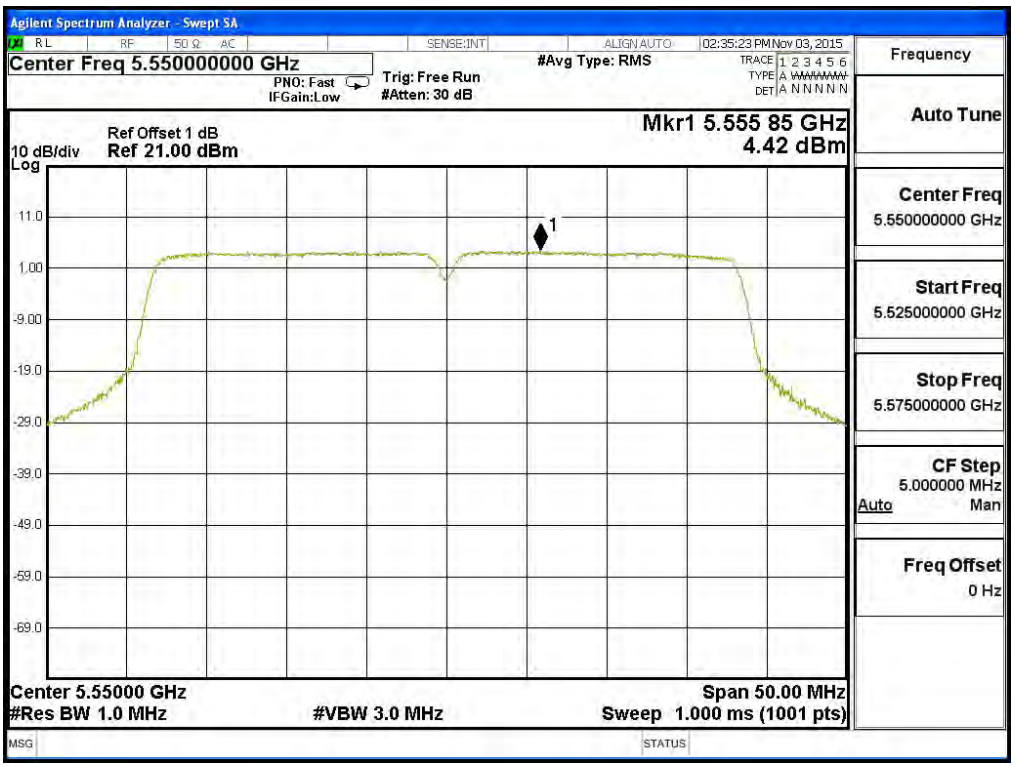
Channel 62: (Chain A)



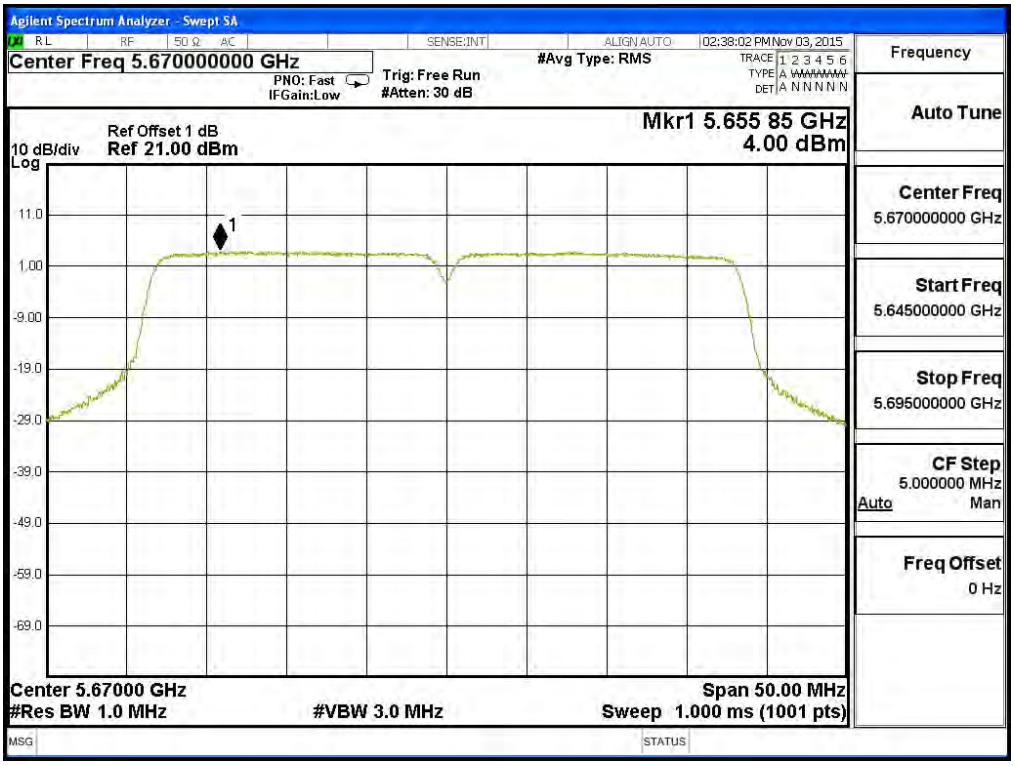
Channel 102: (Chain A)



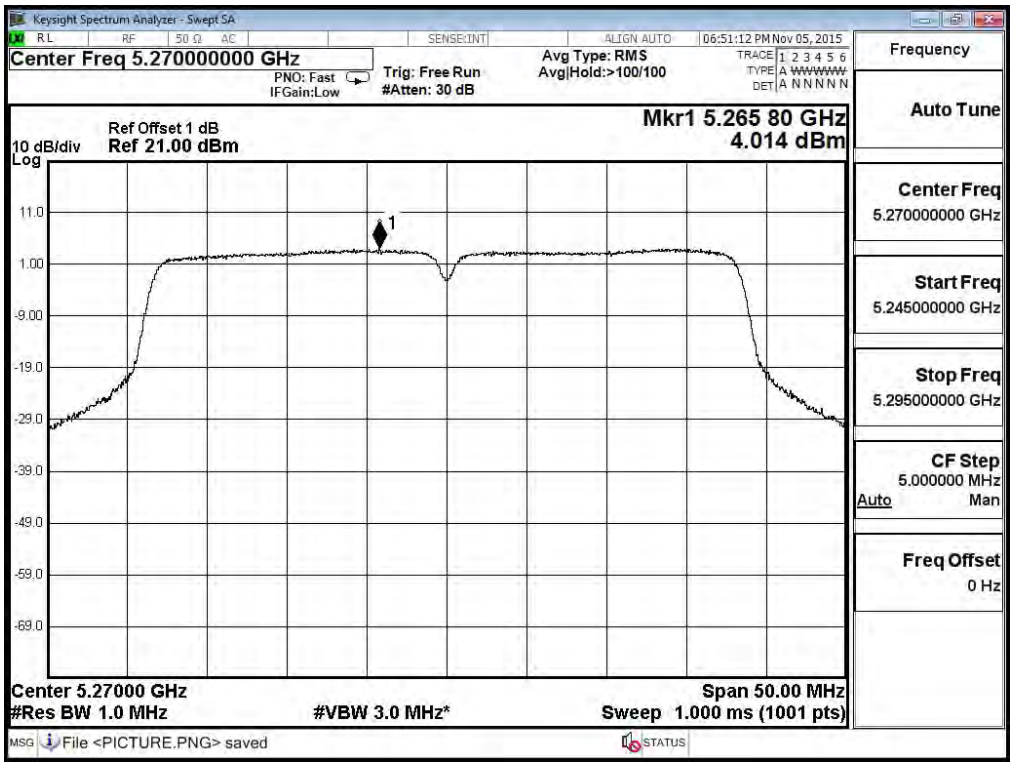
Channel 110: (Chain A)



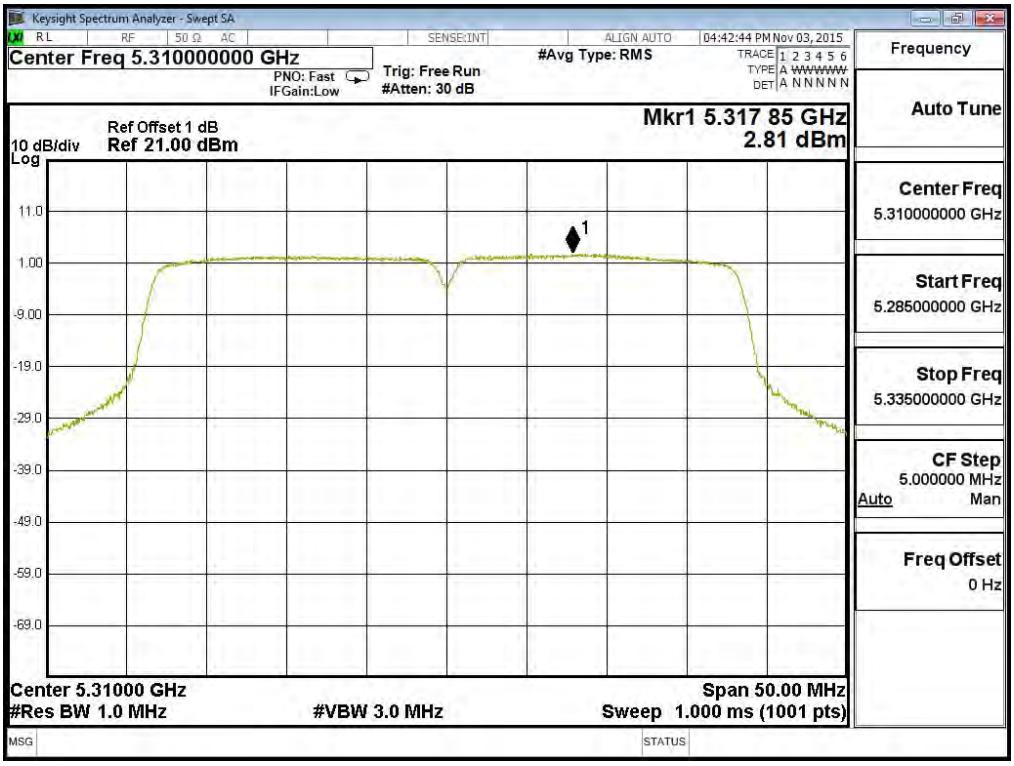
Channel 134: (Chain A)



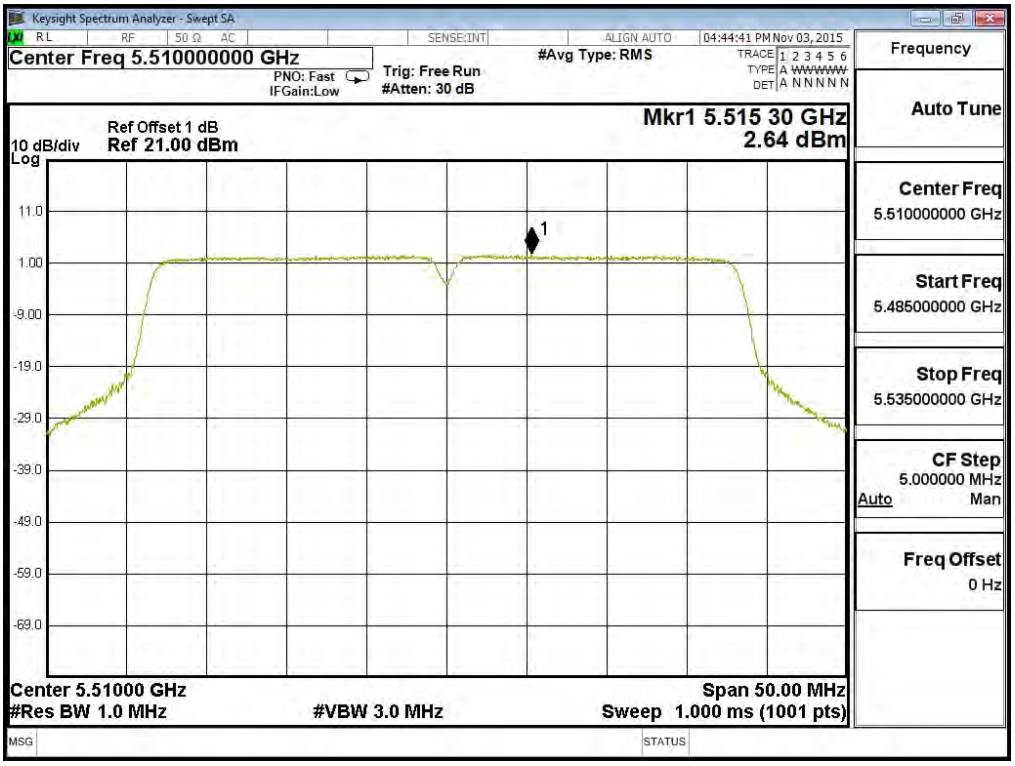
Channel 54: (Chain B)



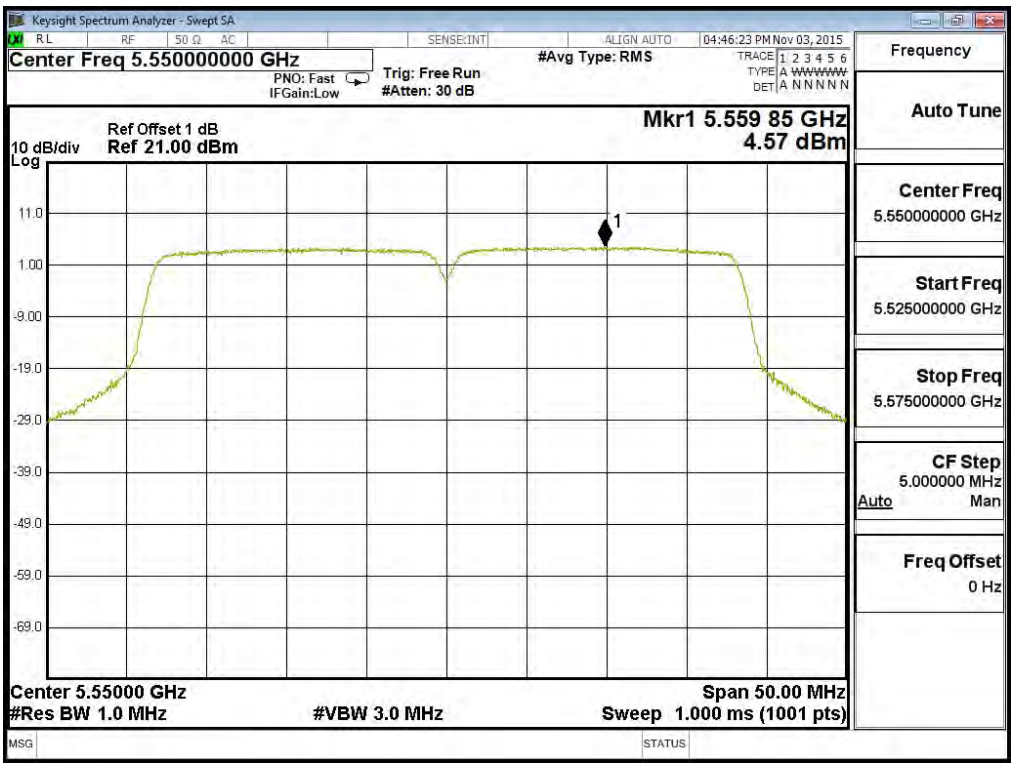
Channel 62: (Chain B)



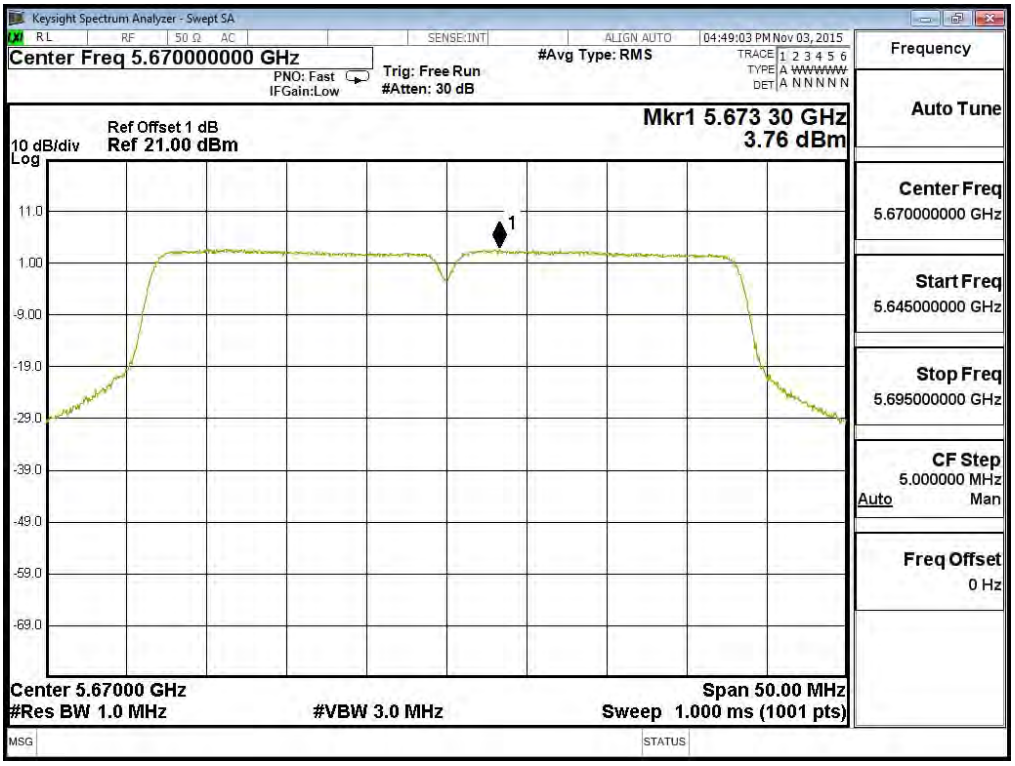
Channel 102: (Chain B)



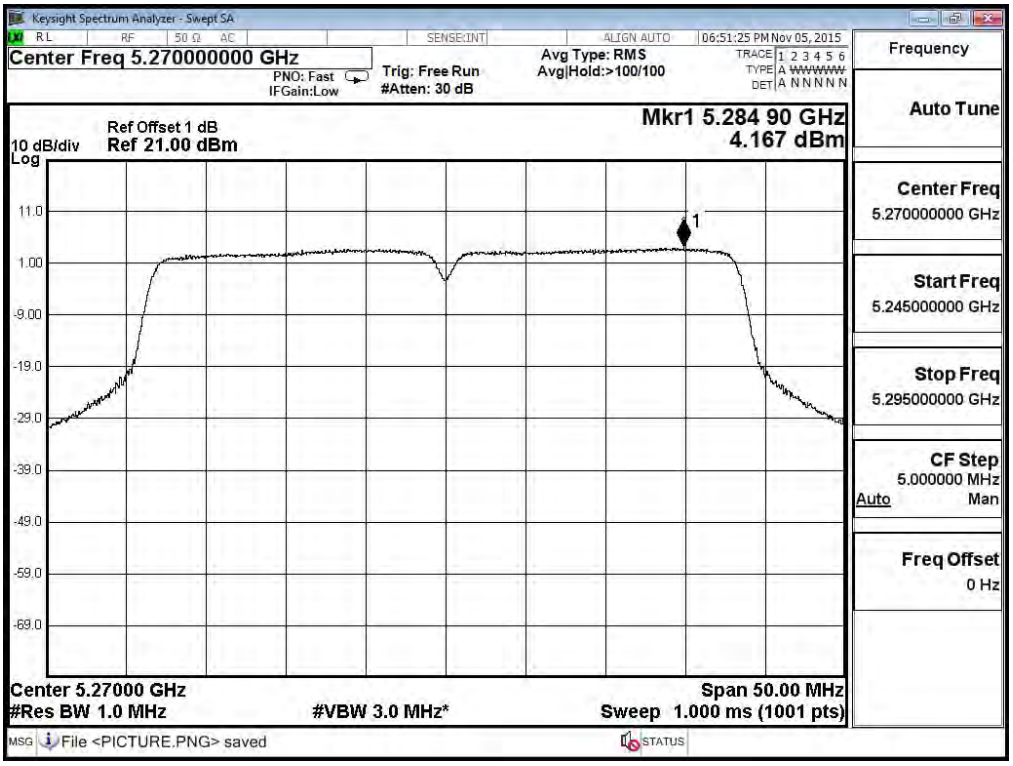
Channel 110: (Chain B)



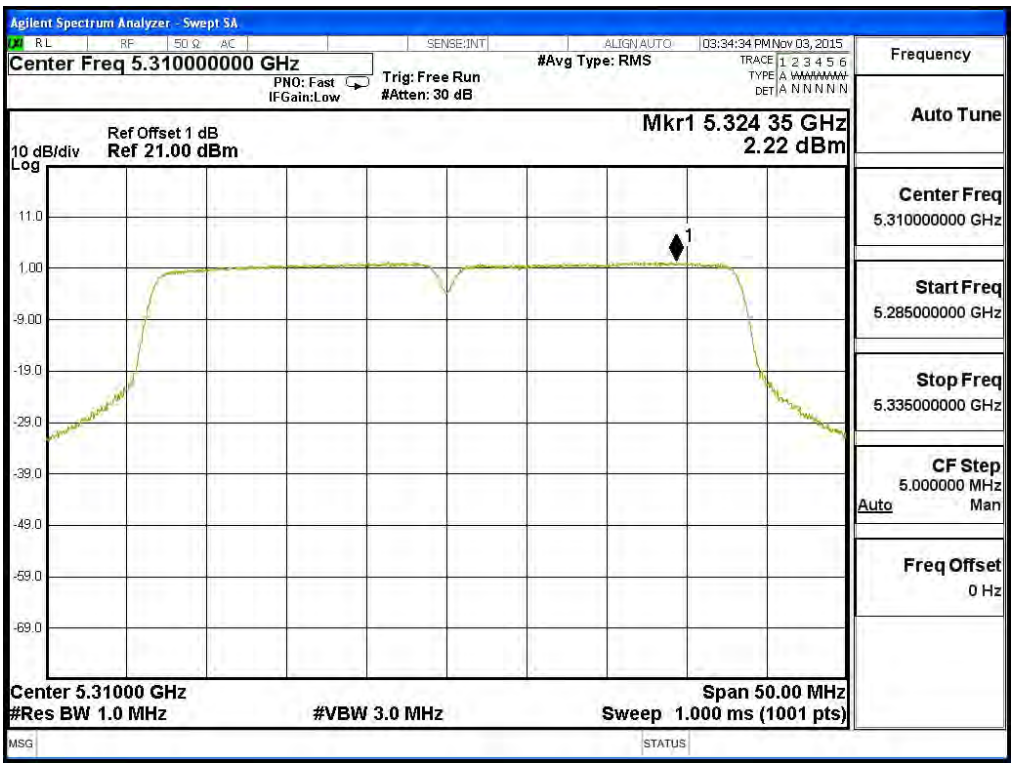
Channel 134: (Chain B)



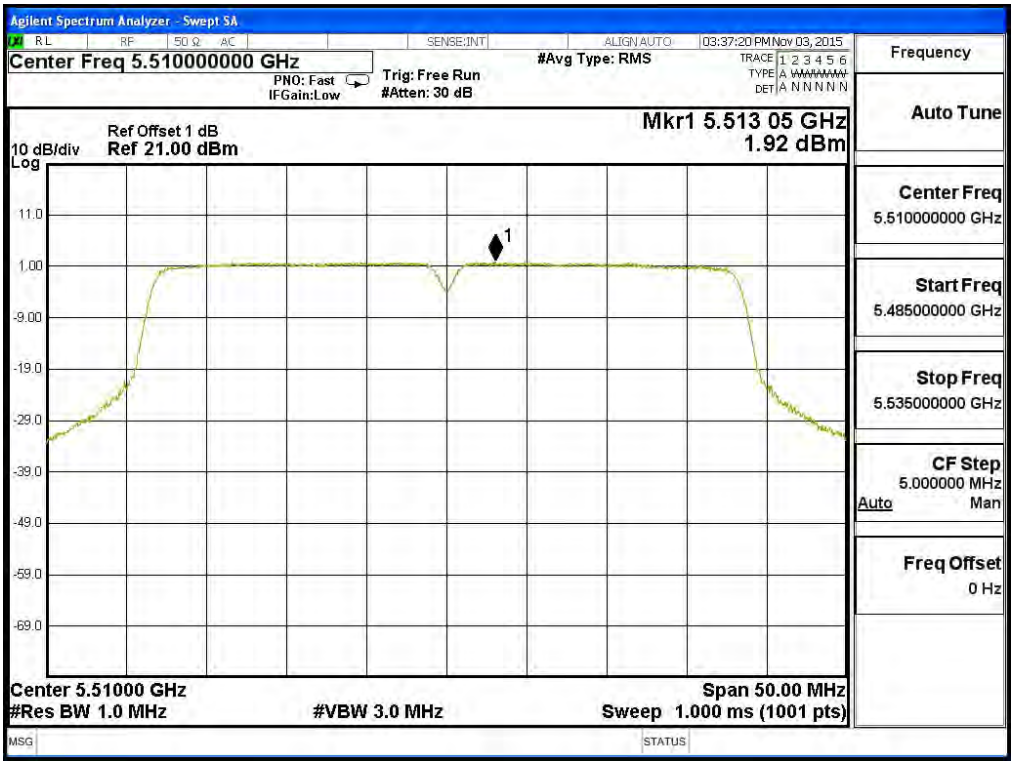
Channel 54: (Chain C)



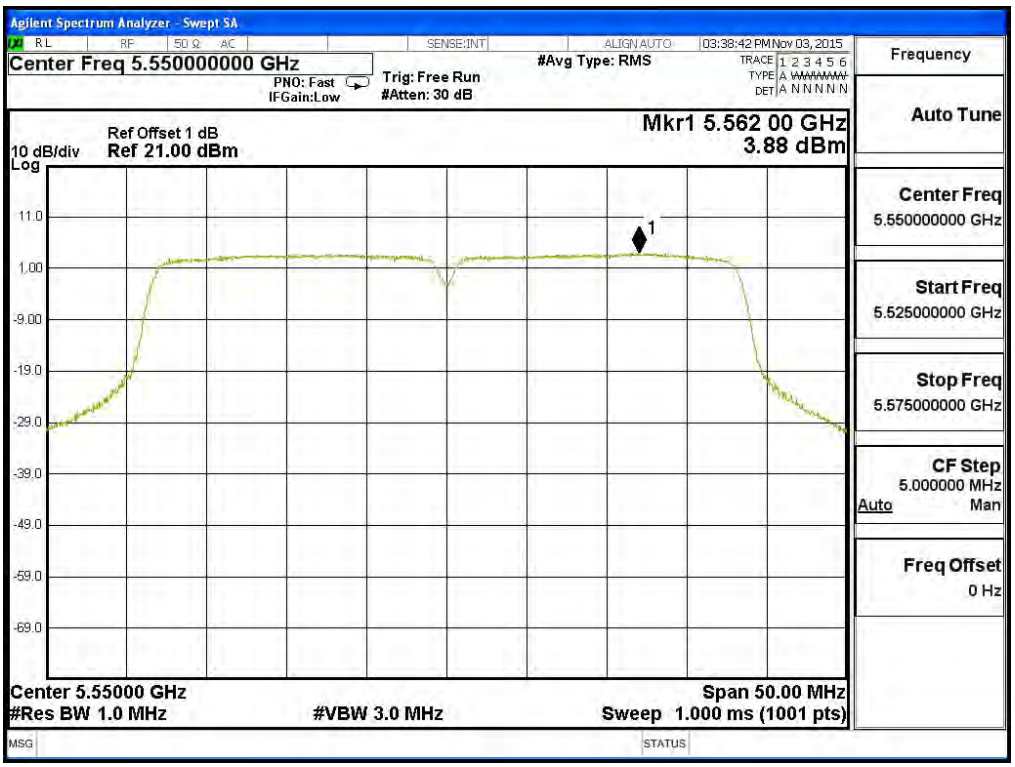
Channel 62: (Chain C)



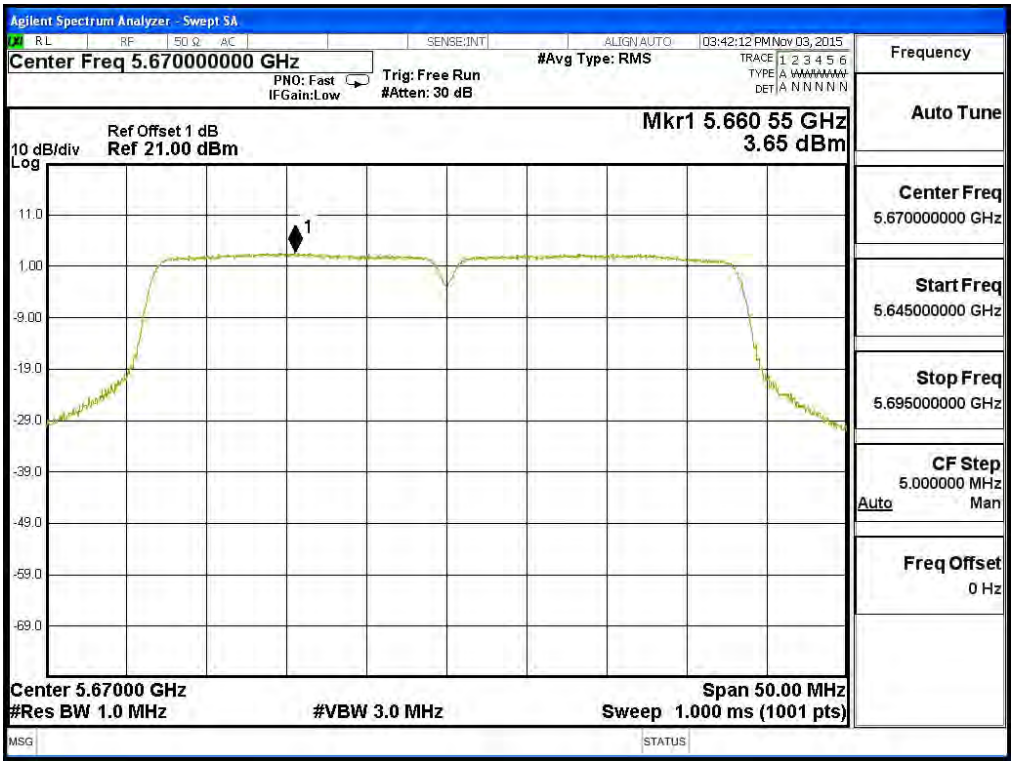
Channel 102: (Chain C)



Channel 110: (Chain C)



Channel 134: (Chain C)



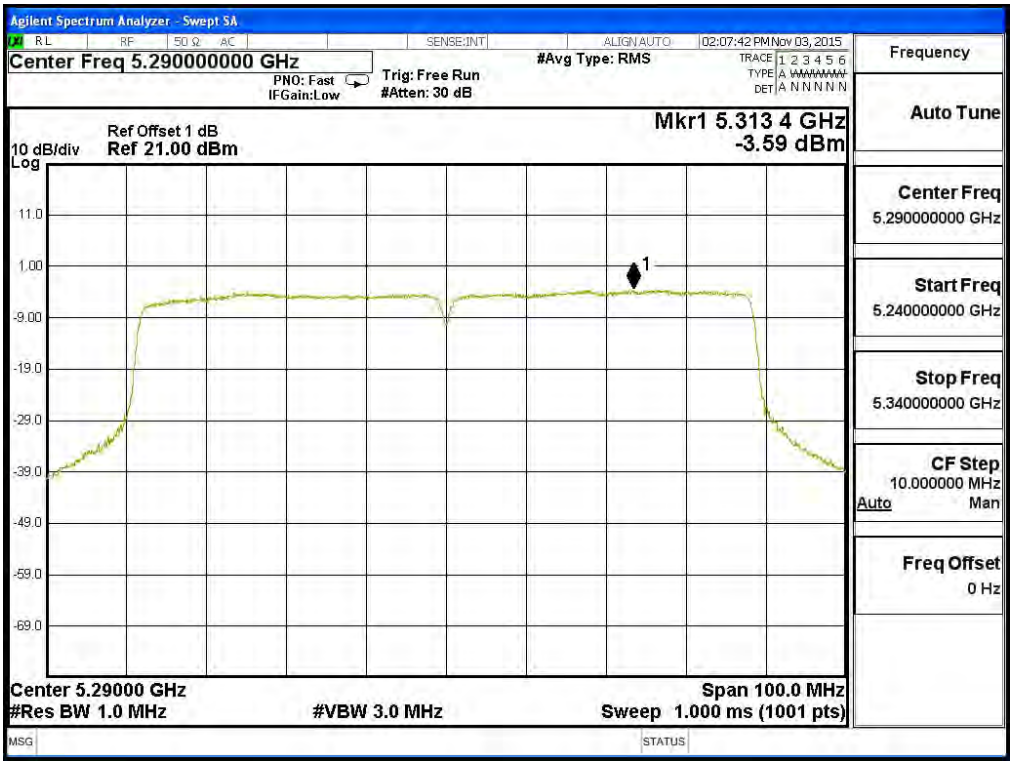
Product : 802.11ac Dual Band Access Point
Test Item : Peak Power Spectral Density
Test Site : No.3 OATS
Test Mode : Mode 4: Transmit (802.11ac-80BW-97.5Mbps)

5250~5350MHz, 5470-5600 MHz and 5650-5725 MHz

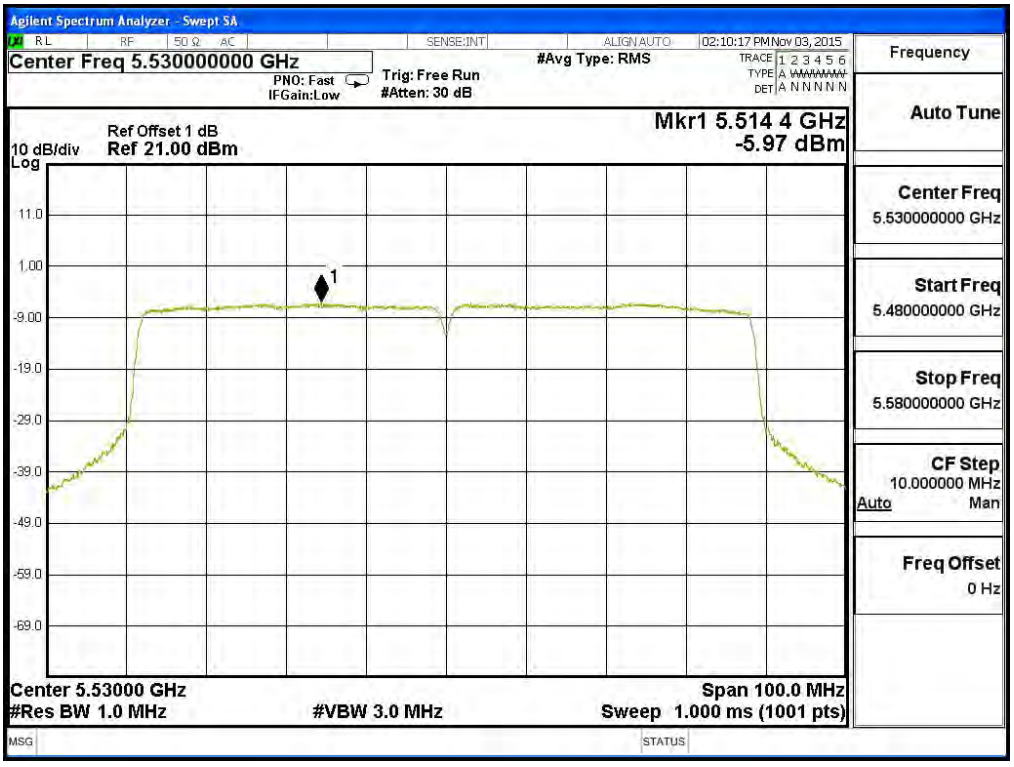
Channel Number	Frequency (MHz)	Chain	PPSD (dBm)	BWCF (dB)	Total PPSD (dBm)[1]	Required Limit (dBm)	Result
58	5290	A	-3.590	4.771	1.181	<11	Pass
		B	-2.850	4.771	1.921	<11	Pass
		C	-3.680	4.771	1.091	<11	Pass
106	5530	A	-5.970	4.771	-1.199	<11	Pass
		B	-6.030	4.771	-1.259	<11	Pass
		C	-6.030	4.771	-1.259	<11	Pass
122	5610	A	0.560	4.771	5.331	<11	Pass
		B	0.440	4.771	5.211	<11	Pass
		C	0.250	4.771	5.021	<11	Pass

Note: 1.The quantity 10*log 3 (three antennas) is added to the spectrum peak value according to document 662911 D01.
2.Total PPSD Value = PPSD/MHz value + 10*log 3 (three antennas)

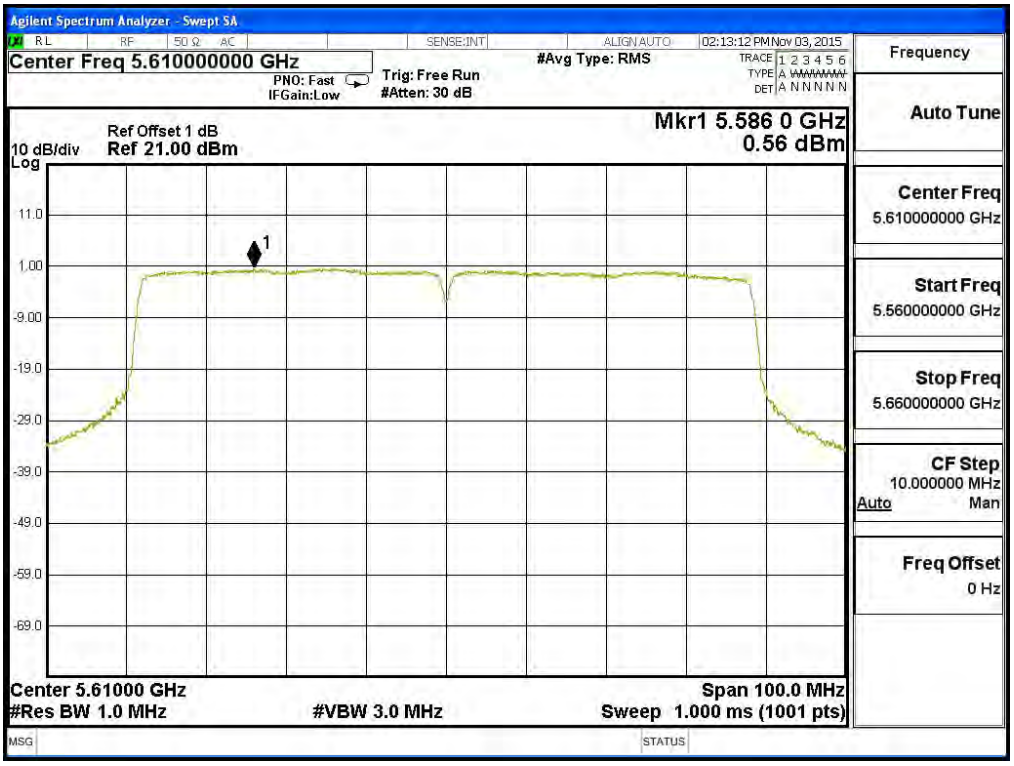
Channel 58: (Chain A)



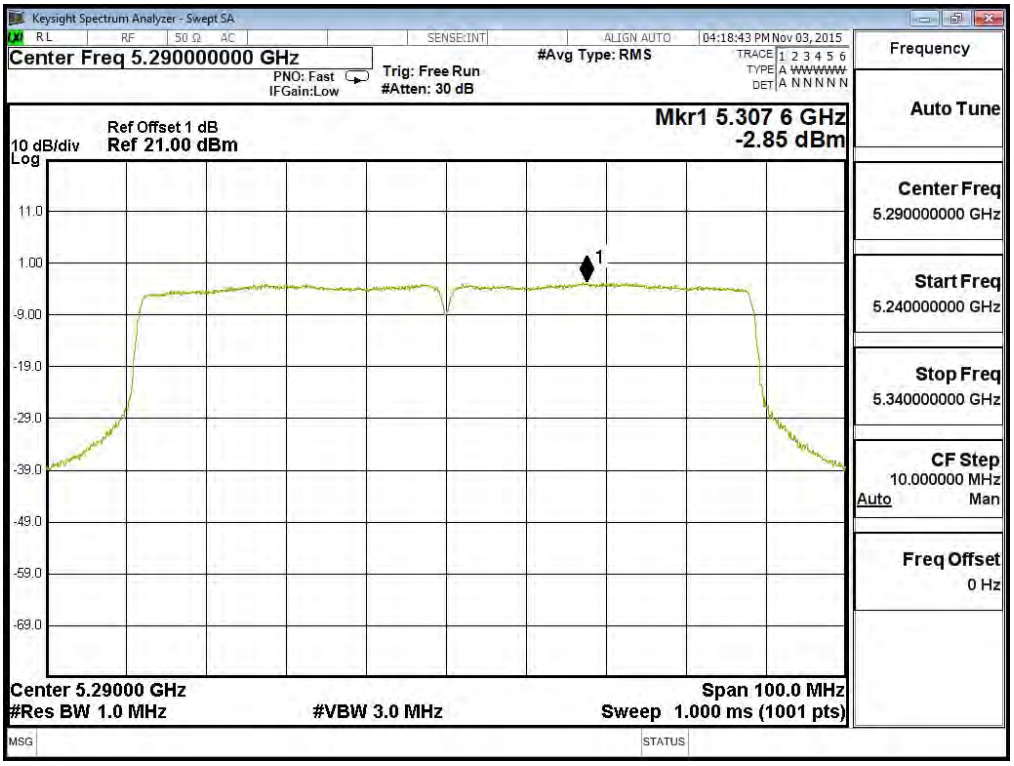
Channel 106: (Chain A)



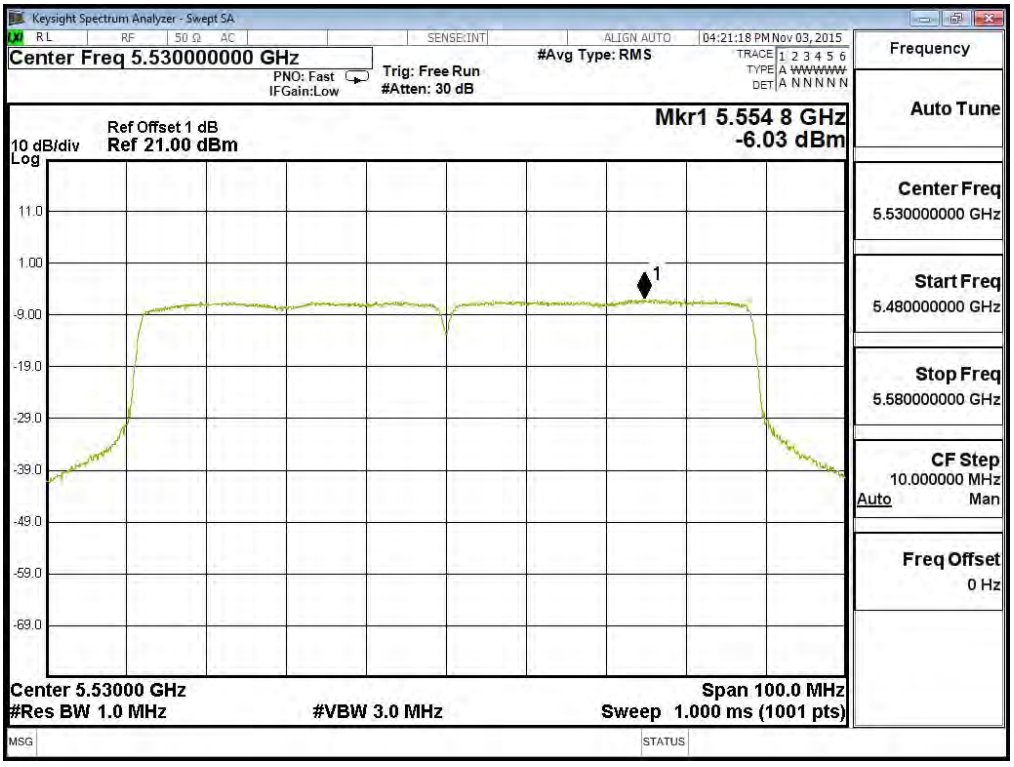
Channel 122: (Chain A)



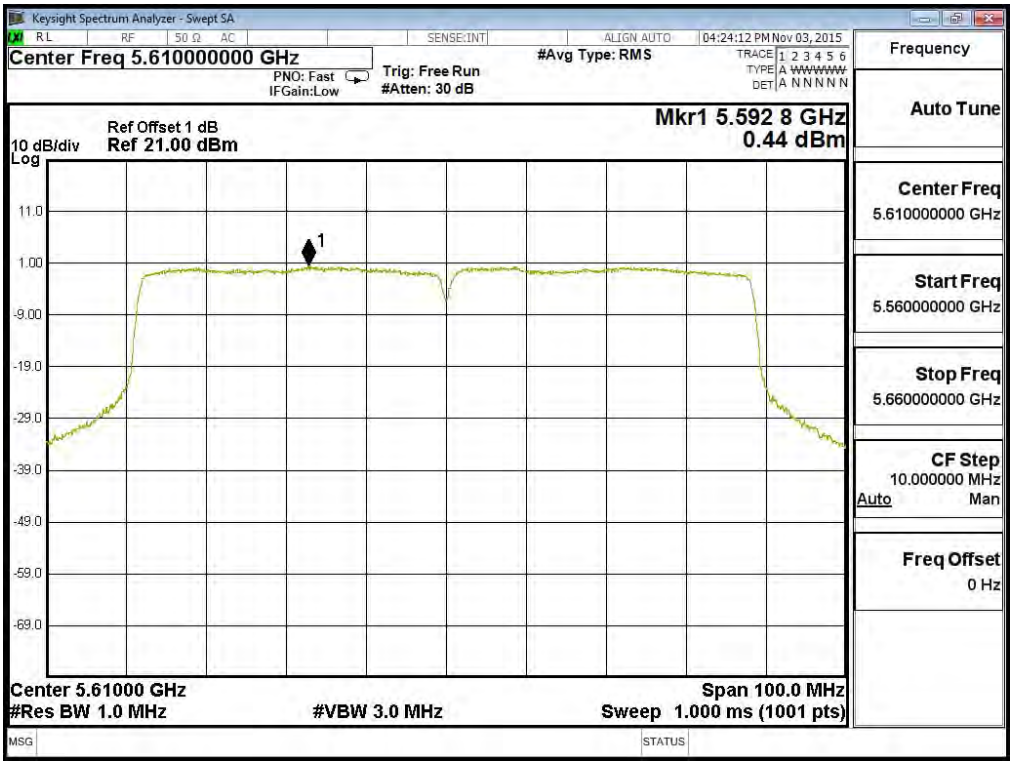
Channel 58: (Chain B)



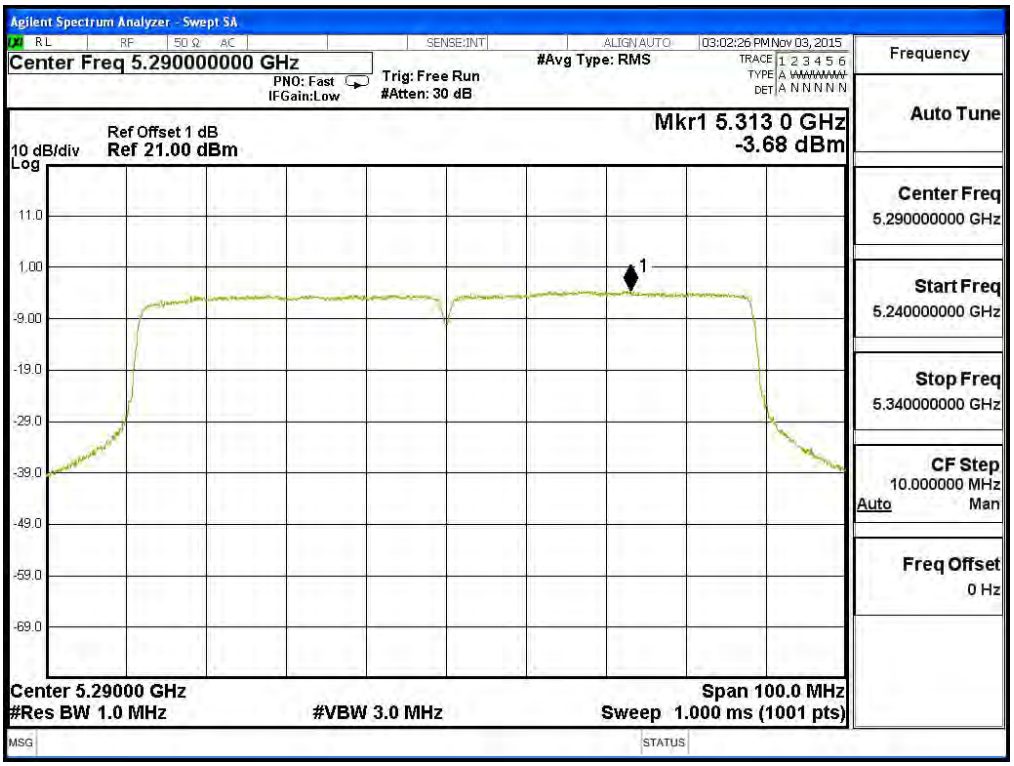
Channel 106: (Chain B)



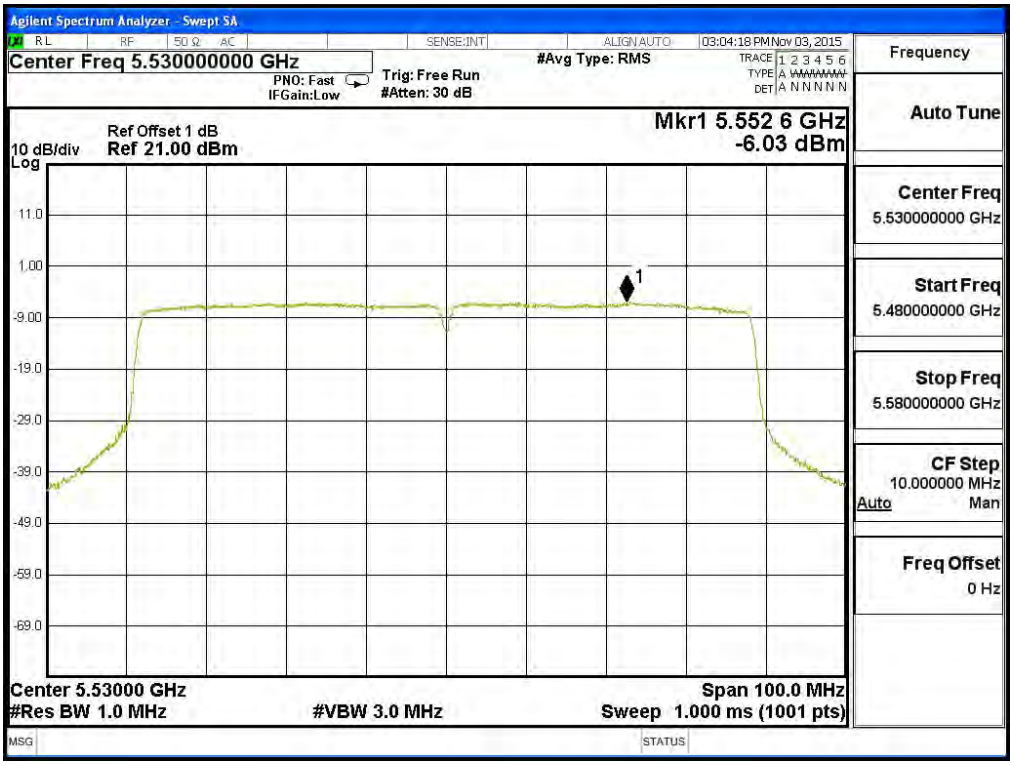
Channel 122: (Chain B)



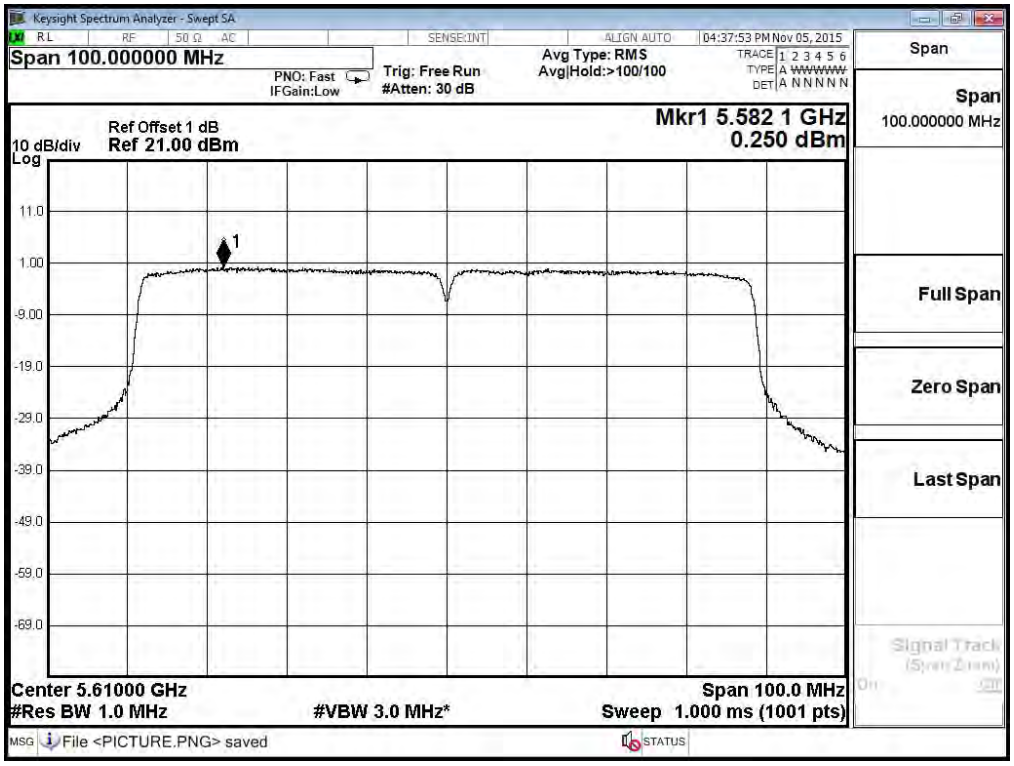
Channel 58: (Chain C)



Channel 106: (Chain C)



Channel 122: (Chain C)



5. Radiated Emission

5.1. Test Equipment

The following test equipments are used during the radiated emission test:

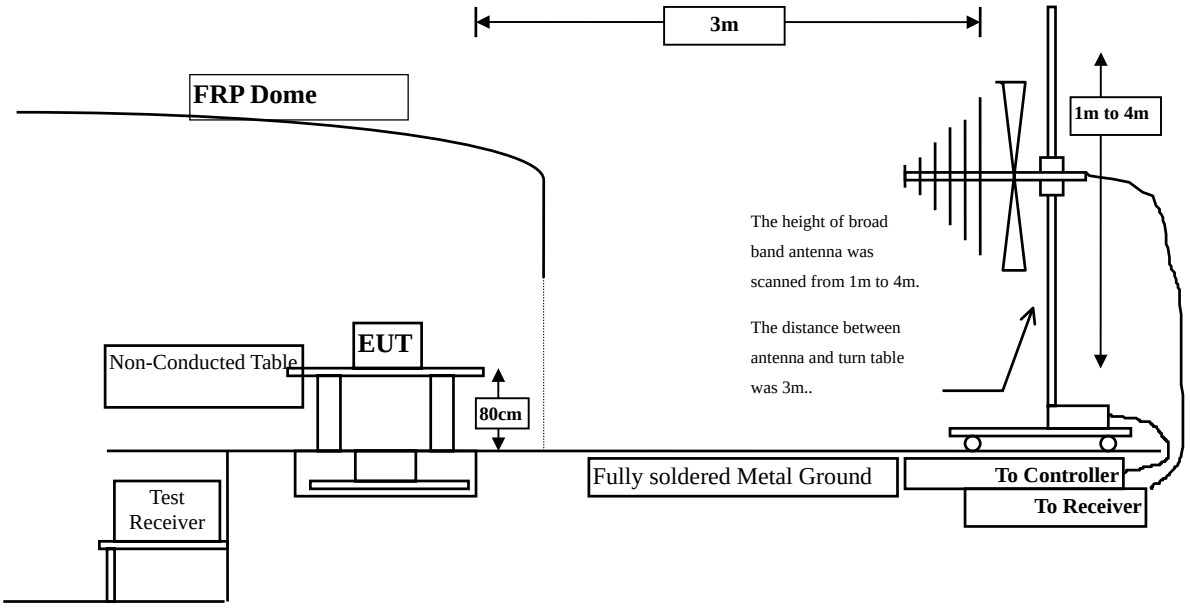
Test Site	Equipment		Manufacturer	Model No./Serial No.	Last Cal.
☒Site # 3	X	Loop Antenna	Teseq	HLA6120 / 26739	Jul., 2015
	X	Bilog Antenna	Schaffner Chase	CBL6112B/2673	Sep., 2015
	X	Horn Antenna	Schwarzbeck	BBHA9120D/D305	Sep., 2015
	X	Horn Antenna	Schwarzbeck	BBHA9170/208	Jul., 2015
	X	Pre-Amplifier	QTK	QTK-AMP-03 / 0003	May, 2015
	X	Pre-Amplifier	QTK	AP-180C / CHM_0906076	Sep., 2015
	X	Pre-Amplifier	MITEQ	AMF-4D-180400-45-6P/ 925975	Mar., 2015
	X	Spectrum Analyzer	Agilent	E4407B / US39440758	May, 2015
	X	Test Receiver	R & S	ESCS 30/ 825442/018	Sep., 2015
	X	Coaxial Cable	QuieTek	QTK-CABLE/ CAB5	Feb., 2015
	X	Controller	QuieTek	QTK-CONTROLLER/ CTRL3	N/A
	X	Coaxial Switch	Anritsu	MP59B/6200265729	N/A

Note:

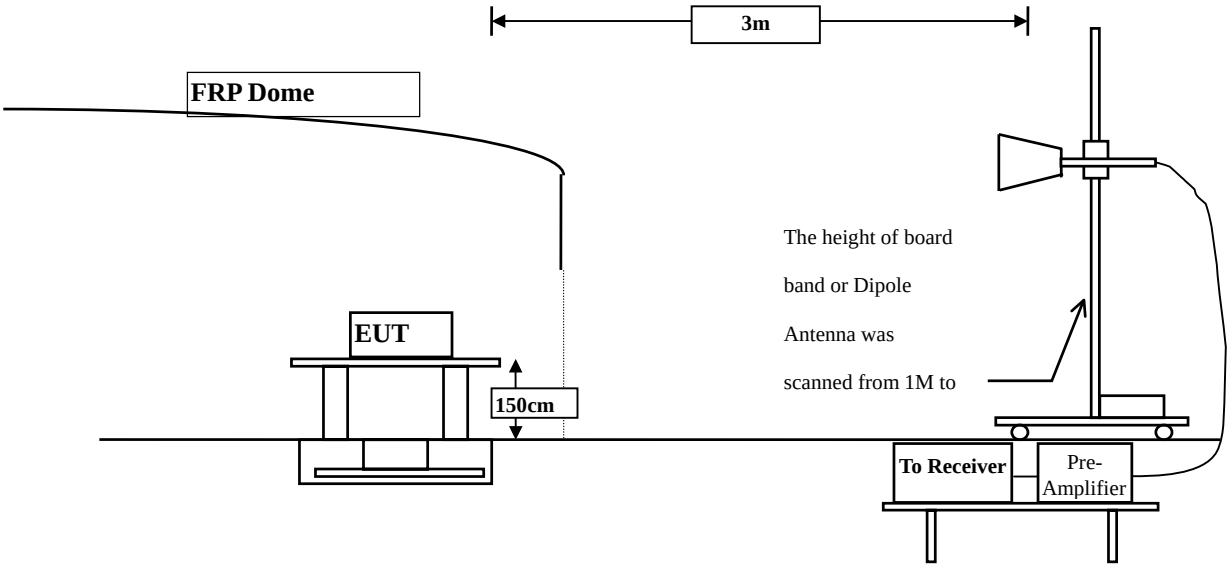
1. All equipment is calibrated once a year or as required by manufacturer.
2. All equipment is calibrated to traceable calibration procedures.
3. The test instruments marked by “X” are used to measure the final test results.

5.2. Test Setup

Radiated Emission Below 1GHz



Radiated Emission Above 1GHz



5.3. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

FCC Part 15 Subpart C Paragraph 15.209(a) Limits		
Frequency MHz	Field strength (microvolts/meter)	Measurement distance (meter)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remarks: E field strength (dBμV/m) = 20 log E field strength (uV/m)

5.4. Test Procedure

The EUT was setup according to ANSI C63.10, 2013 and tested according to FCC KDB-789033 test procedure for compliance to FCC 47CFR 15. 407 requirements.

Measuring the frequency range below 1GHz, the EUT is placed on a turn table which is 0.8 meter above ground,when measuring the frequency range above 1GHz, the EUT is placed on a turn table which is 1.5 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 between 1 meter and 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: 2013 on radiated measurement.

The resolution bandwidth below 30MHz setting on the field strength meter is 9kHz and 30MHz~1GHz is 120kHz and above 1GHz is 1MHz.

Radiated emission measurements below 30MHz are made using Loop Antenna and 30MHz~1GHz are made using broadband Bilog antenna and above 1GHz are made using Horn Antennas.

The measurement is divided into the Preliminary Measurement and the Final Measurement.

The suspected frequencies are searched for in Preliminary Measurement with the measurement antenna kept pointed at the source of the emission both in azimuth and elevation, with the polarization of the antenna oriented for maximum response. The antenna is pointed at an angle towards the source of the emission, and the EUT is rotated in both height and polarization to maximize the measured emission. The emission is kept within the illumination area of the 3 dB bandwidth of the antenna.

The worst radiated emission is measured in the Open Area Test Site on the Final Measurement.

The measurement frequency range form 9kHz - 10th Harmonic of fundamental was investigated.

5.5. Uncertainty

± 3.8 dB below 1GHz

± 3.9 dB above 1GHz

5.6. Test Result of Radiated Emission

Product : 802.11ac Dual Band Access Point
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5260MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
10520.000	14.015	35.750	49.765	-24.235	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10520.000	14.818	34.560	49.378	-24.622	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	74.000
Average					
Detector:					
*	*	*	*	*	*

Note:

1. All Readings below 1GHz are Quasi-Peak, 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. Measurement Level = Reading Level + Correction Factor.
5. Correction Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.
7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product : 802.11ac Dual Band Access Point
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5300MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
10600.000	14.550	35.140	49.689	-24.311	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10600.000	14.881	34.370	49.251	-24.749	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

1. All Readings below 1GHz are Quasi-Peak, 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. Measurement Level = Reading Level + Correction Factor.
5. Correction Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.
7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product : 802.11ac Dual Band Access Point
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5320MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
10640.000	14.690	36.260	50.950	-23.050	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10640.000	15.083	36.520	51.603	-22.397	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

1. All Readings below 1GHz are Quasi-Peak, 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. Measurement Level = Reading Level + Correction Factor.
5. Correction Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.
7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product : 802.11ac Dual Band Access Point
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5500MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
11000.000	16.399	35.140	51.539	-22.461	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11000.000	17.132	34.290	51.422	-22.578	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

1. All Readings below 1GHz are Quasi-Peak, 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. Measurement Level = Reading Level + Correction Factor.
5. Correction Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.
7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product : 802.11ac Dual Band Access Point
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5580MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
11160.000	16.664	37.330	53.995	-20.005	74.000
16800.000	*	*	*	*	74.000
22400.000	*	*	*	*	74.000
28000.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11160.000	17.643	35.140	52.783	-21.217	74.000
16800.000	*	*	*	*	74.000
22400.000	*	*	*	*	74.000
28000.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

1. All Readings below 1GHz are Quasi-Peak, 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. Measurement Level = Reading Level + Correction Factor.
5. Correction Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.
7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product : 802.11ac Dual Band Access Point
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5700MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
11400.000	16.530	41.120	57.651	-16.349	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	74.000
Average Detector:					
11400.000	16.530	20.690	37.221	-16.779	54.000
Vertical					
Peak Detector:					
11400.000	17.138	37.660	54.798	-19.202	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	74.000
Average Detector:					
11400.000	17.138	19.260	36.398	-17.602	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, 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. Measurement Level = Reading Level + Correction Factor.
5. Correction Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.
7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product : 802.11ac Dual Band Access Point
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 2: Transmit (802.11n-20BW 21.7Mbps) (5260MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
10520.000	14.015	35.890	49.905	-24.095	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10520.000	14.818	34.340	49.158	-24.842	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

1. All Readings below 1GHz are Quasi-Peak, 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. Measurement Level = Reading Level + Correction Factor.
5. Correction Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.
7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product : 802.11ac Dual Band Access Point
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 2: Transmit (802.11n-20BW 21.7Mbps) (5300MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
10600.000	14.550	36.630	51.179	-22.821	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10600.000	14.881	35.270	50.151	-23.849	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	74.000
Average Detector:					
10600.000	14.881	25.270	40.151	-13.849	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, 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. Measurement Level = Reading Level + Correction Factor.
5. Correction Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.
7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product : 802.11ac Dual Band Access Point
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 2: Transmit (802.11n-20BW 21.7Mbps) (5320MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
10640.000	35.242	36.800	52.832	-21.168	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10640.000	15.083	36.110	51.193	-22.807	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

1. All Readings below 1GHz are Quasi-Peak, 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. Measurement Level = Reading Level + Correction Factor.
5. Correction Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.
7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product : 802.11ac Dual Band Access Point
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 2: Transmit (802.11n-20BW 21.7Mbps) (5500MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
11000.000	16.399	35.470	51.869	-22.131	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11000.000	17.132	34.690	51.822	-22.178	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

1. All Readings below 1GHz are Quasi-Peak, 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. Measurement Level = Reading Level + Correction Factor.
5. Correction Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.
7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product : 802.11ac Dual Band Access Point
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 2: Transmit (802.11n-20BW 21.7Mbps) (5580MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
11160.000	16.664	37.040	53.705	-20.295	74.000
16800.000	*	*	*	*	74.000
22400.000	*	*	*	*	74.000
28000.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11160.000	17.643	34.160	51.803	-22.197	74.000
16800.000	*	*	*	*	74.000
22400.000	*	*	*	*	74.000
28000.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

1. All Readings below 1GHz are Quasi-Peak, 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. Measurement Level = Reading Level + Correction Factor.
5. Correction Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.
7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product : 802.11ac Dual Band Access Point
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 2: Transmit (802.11n-20BW 21.7Mbps) (5700MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
11400.000	16.530	35.280	51.811	-22.189	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11400.000	17.138	34.930	52.068	-21.932	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

1. All Readings below 1GHz are Quasi-Peak, 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. Measurement Level = Reading Level + Correction Factor.
5. Correction Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.
7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product : 802.11ac Dual Band Access Point
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 3: Transmit (802.11n-40BW 45Mbps) (5270MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
10540.000	14.151	33.470	47.620	-26.380	74.000
15810.000	*	*	*	*	74.000
21080.000	*	*	*	*	74.000
26350.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10540.000	14.829	33.150	47.978	-26.022	74.000
15810.000	*	*	*	*	74.000
21080.000	*	*	*	*	74.000
26350.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

1. All Readings below 1GHz are Quasi-Peak, 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. Measurement Level = Reading Level + Correction Factor.
5. Correction Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.
7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product : 802.11ac Dual Band Access Point
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 3: Transmit (802.11n-40BW 45Mbps) (5310MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
10620.000	14.623	34.870	49.493	-24.507	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
10620.000	14.970	34.540	49.510	-24.490	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

1. All Readings below 1GHz are Quasi-Peak, 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. Measurement Level = Reading Level + Correction Factor.
5. Correction Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.
7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product : 802.11ac Dual Band Access Point
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 3: Transmit (802.11n-40BW 45Mbps) (5510MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
11020.000	16.474	33.970	50.443	-23.557	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11020.000	17.224	33.150	50.374	-23.626	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

1. All Readings below 1GHz are Quasi-Peak, 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. Measurement Level = Reading Level + Correction Factor.
5. Correction Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.
7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product : 802.11ac Dual Band Access Point
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 3: Transmit (802.11n-40BW 45Mbps) (5550MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
11100.000	16.681	33.982	50.663	-23.337	74.000
16770.000	*	*	*	*	74.000
22360.000	*	*	*	*	74.000
27950.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11100.000	17.523	35.146	52.669	-21.331	74.000
16770.000	*	*	*	*	74.000
22360.000	*	*	*	*	74.000
27950.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

1. All Readings below 1GHz are Quasi-Peak, 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. Measurement Level = Reading Level + Correction Factor.
5. Correction Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.
7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product : 802.11ac Dual Band Access Point
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 3: Transmit (802.11n-40BW 45Mbps) (5670MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector:					
11340.000	17.167	36.150	53.317	-20.683	74.000
17010.000	*	*	*	*	74.000
22680.000	*	*	*	*	74.000
28350.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical					
Peak Detector:					
11340.000	17.167	35.040	52.207	-21.793	74.000
17010.000	*	*	*	*	74.000
22680.000	*	*	*	*	74.000
28350.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

1. All Readings below 1GHz are Quasi-Peak, 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. Measurement Level = Reading Level + Correction Factor.
5. Correction Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.
7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.

Product : 802.11ac Dual Band Access Point
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 4: Transmit (802.11ac-80BW-97.5Mbps) (5290MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal Peak Detector:					
10580.000	14.423	35.050	49.473	-24.527	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical Peak Detector:					
10580.000	14.849	34.700	49.549	-24.451	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

1. All Readings below 1GHz are Quasi-Peak, 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. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11ac Dual Band Access Point
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 4: Transmit (802.11ac-80BW-97.5Mbps) (5530MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal Peak Detector:					
11060.000	16.580	34.080	50.660	-23.340	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical Peak Detector:					
11060.000	17.375	34.340	51.715	-22.285	74.000
11550.000	*	*	*	*	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

1. All Readings below 1GHz are Quasi-Peak, 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. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11ac Dual Band Access Point
Test Item : Harmonic Radiated Emission Data
Test Site : No.3 OATS
Test Mode : Mode 4: Transmit (802.11ac-80BW-97.5Mbps) (5610MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBuV	dBuV/m	dB	dBuV/m
Horizontal Peak Detector:					
11220.000	16.589	34.790	51.380	-22.620	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*
Vertical Peak Detector:					
11220.000	17.620	34.600	52.220	-21.780	74.000
17325.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average Detector:					
*	*	*	*	*	*

Note:

1. All Readings below 1GHz are Quasi-Peak, 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. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11ac Dual Band Access Point
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5300MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector					
290.351	-4.413	33.335	28.922	-17.078	46.000
460.621	1.570	34.951	36.521	-9.479	46.000
608.514	4.326	31.515	35.841	-10.159	46.000
730.332	3.395	31.122	34.518	-11.482	46.000
868.330	5.378	31.253	36.631	-9.369	46.000
981.647	7.081	31.773	38.854	-15.146	54.000
Vertical					
Peak Detector					
107.665	-0.321	33.982	33.661	-9.839	43.500
375.660	-1.980	31.901	29.922	-16.078	46.000
538.810	0.086	32.726	32.812	-13.188	46.000
640.820	-3.890	31.431	27.541	-18.459	46.000
826.640	3.265	34.587	37.852	-8.148	46.000
960.650	7.168	34.352	41.520	-12.480	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, 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. Measurement Level = Reading Level + Correction Factor.
5. Correction Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.
7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.
8. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 802.11ac Dual Band Access Point
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5580MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector					
112.850	-8.214	35.156	26.942	-16.558	43.500
380.540	-0.970	33.664	32.694	-13.306	46.000
520.940	1.763	34.876	36.640	-9.360	46.000
600.410	3.981	33.191	37.172	-8.828	46.000
721.500	3.503	31.410	34.913	-11.087	46.000
888.584	6.264	31.656	37.920	-8.080	46.000
Vertical					
Peak Detector					
102.940	-0.099	34.059	33.960	-9.540	43.500
384.520	-2.656	34.303	31.647	-14.353	46.000
551.660	-3.584	34.224	30.640	-15.360	46.000
688.410	2.484	30.926	33.410	-12.590	46.000
807.840	3.601	32.379	35.980	-10.020	46.000
960.630	7.165	34.705	41.870	-12.130	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, 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. Measurement Level = Reading Level + Correction Factor.
5. Correction Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.
7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.
8. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 802.11ac Dual Band Access Point
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Mode : Mode 2: Transmit (802.11n-20BW 21.7Mbps) (5300MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector					
115.610	-8.826	34.445	25.620	-17.880	43.500
300.920	-3.466	36.786	33.320	-12.680	46.000
470.950	1.067	35.623	36.690	-9.310	46.000
668.610	2.012	34.387	36.399	-9.601	46.000
840.840	5.188	31.652	36.840	-9.160	46.000
984.550	7.690	33.276	40.966	-13.034	54.000
Vertical					
Peak Detector					
108.950	-0.385	32.389	32.004	-11.496	43.500
368.950	-2.792	33.431	30.640	-15.360	46.000
527.810	-0.451	33.776	33.325	-12.675	46.000
679.640	0.936	33.574	34.510	-11.490	46.000
846.660	2.644	32.266	34.910	-11.090	46.000
959.840	7.044	35.106	42.150	-3.850	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, 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. Measurement Level = Reading Level + Correction Factor.
5. Correction Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.
7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.
8. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 802.11ac Dual Band Access Point
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Mode : Mode 2: Transmit (802.11n-20BW 21.7Mbps) (5580MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector					
149.614	-10.219	35.829	25.610	-17.890	43.500
389.660	-1.744	35.137	33.394	-12.606	46.000
498.360	-0.121	36.631	36.510	-9.490	46.000
625.380	1.790	36.060	37.850	-8.150	46.000
799.650	5.146	34.513	39.660	-6.340	46.000
928.410	6.928	30.912	37.840	-8.160	46.000
Vertical					
Peak Detector					
110.850	-0.726	34.346	33.620	-9.880	43.500
390.520	-3.089	36.455	33.365	-12.635	46.000
502.360	-0.821	36.231	35.410	-10.590	46.000
699.600	0.602	35.875	36.478	-9.522	46.000
820.640	3.348	34.502	37.850	-8.150	46.000
968.640	8.168	31.816	39.984	-14.016	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, 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. Measurement Level = Reading Level + Correction Factor.
5. Correction Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.
7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.
8. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 802.11ac Dual Band Access Point
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Mode : Mode 3: Transmit (802.11n-40BW 45Mbps) (5310MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector					
107.550	-7.047	33.697	26.650	-16.850	43.500
308.660	-3.581	33.941	30.360	-15.640	46.000
467.650	1.031	34.069	35.100	-10.900	46.000
601.330	4.057	31.083	35.140	-10.860	46.000
791.850	5.213	30.297	35.510	-10.490	46.000
942.610	6.459	30.151	36.610	-9.390	46.000
Vertical					
Peak Detector					
108.660	-0.368	32.758	32.390	-11.110	43.500
354.100	-3.641	33.282	29.641	-16.359	46.000
462.350	-3.710	35.260	31.550	-14.450	46.000
621.330	-2.775	35.185	32.410	-13.590	46.000
830.610	2.653	35.677	38.330	-7.670	46.000
972.330	5.308	33.832	39.140	-14.860	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, 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. Measurement Level = Reading Level + Correction Factor.
5. Correction Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.
7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.
8. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 802.11ac Dual Band Access Point
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Mode : Mode 3: Transmit (802.11n-40BW 45Mbps) (5550MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector					
109.620	-7.506	33.902	26.396	-17.104	43.500
340.510	-3.831	33.461	29.630	-16.370	46.000
471.330	0.962	28.668	29.630	-16.370	46.000
610.520	4.035	35.325	39.360	-6.640	46.000
789.640	5.141	29.971	35.112	-10.888	46.000
920.640	6.456	33.384	39.840	-6.160	46.000
Vertical					
Peak Detector					
112.360	-1.364	34.724	33.360	-10.140	43.500
348.540	-3.531	34.481	30.950	-15.050	46.000
506.350	-0.618	33.232	32.614	-13.386	46.000
690.740	2.502	30.338	32.840	-13.160	46.000
815.620	3.219	31.442	34.660	-11.340	46.000
958.630	6.905	35.426	42.330	-3.670	46.000

Note:

1. All Readings below 1GHz are Quasi-Peak, 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. Measurement Level = Reading Level + Correction Factor.
5. Correction Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data is under the limit of average detection.
7. The emission levels of other frequencies are greater then 10db under the limit and not shown in test report.
8. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 802.11ac Dual Band Access Point
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Mode : Mode 4: Transmit (802.11ac-80BW-97.5Mbps) (5290MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector					
240.950	-6.576	34.425	27.850	-18.150	46.000
390.322	-1.802	34.858	33.056	-12.944	46.000
542.680	3.145	33.486	36.631	-9.369	46.000
690.954	3.698	31.813	35.511	-10.489	46.000
830.692	6.222	28.992	35.215	-10.785	46.000
920.684	6.453	32.121	38.574	-7.426	46.000
Vertical					
Peak Detector					
108.696	-0.370	33.244	32.874	-10.626	43.500
382.521	-2.001	31.662	29.662	-16.338	46.000
520.813	-0.299	33.943	33.645	-12.355	46.000
690.352	2.523	33.098	35.621	-10.379	46.000
820.632	3.348	33.606	36.954	-9.046	46.000
970.621	7.558	33.063	40.621	-13.379	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, 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. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.
8. No emission found between lowest internal used/generated frequency to 30MHz.

Product : 802.11ac Dual Band Access Point
Test Item : General Radiated Emission
Test Site : No.3 OATS
Test Mode : Mode 4: Transmit (802.11ac-80BW-97.5Mbps) (5530MHz)

Frequency	Correct Factor	Reading Level	Measurement Level	Margin	Limit
MHz	dB	dBμV	dBμV/m	dB	dBμV/m
Horizontal					
Peak Detector					
105.625	-6.671	34.182	27.511	-15.989	43.500
315.360	-4.192	34.554	30.362	-15.638	46.000
465.652	0.606	33.914	34.520	-11.480	46.000
620.650	2.302	34.060	36.362	-9.638	46.000
771.102	4.215	34.010	38.225	-7.775	46.000
855.620	6.534	33.987	40.521	-5.479	46.000
Vertical					
Peak Detector					
215.622	-8.242	34.507	26.265	-17.235	43.500
379.850	-1.455	33.709	32.254	-13.746	46.000
540.521	0.065	33.476	33.541	-12.459	46.000
682.360	1.619	33.750	35.369	-10.631	46.000
810.225	3.228	35.293	38.521	-7.479	46.000
960.352	7.118	31.577	38.695	-15.305	54.000

Note:

1. All Readings below 1GHz are Quasi-Peak, 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. Measurement Level = Reading Level + Correct Factor.
5. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.
8. No emission found between lowest internal used/generated frequency to 30MHz.

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., 2015
	Spectrum Analyzer	Agilent	E4407B / US39440758	Jun., 2015
X	Spectrum Analyzer	Agilent	N9010A / MY48030495	Apr., 2015

Note:

1. All equipment is calibrated once a year or as required by manufacturer.
2. All equipment is calibrated to traceable calibration procedures.
3. The test instruments marked by "X" are used to measure the final test results.

RF Radiated Measurement:

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

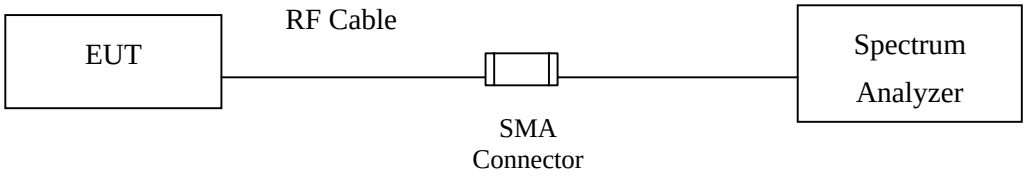
Test Site		Equipment	Manufacturer	Model No./Serial No.	Last Cal.
☒Site # 3		Bilog Antenna	Schaffner Chase	CBL6112B/2673	Sep., 2015
	X	Horn Antenna	Schwarzbeck	BBHA9120D/D305	Sep., 2015
		Horn Antenna	Schwarzbeck	BBHA9170/208	Jul., 2015
		Pre-Amplifier	QTK	QTK-AMP-03 / 0003	May, 2015
	X	Pre-Amplifier	QTK	AP-180C / CHM_0906076	Sep., 2015
		Pre-Amplifier	MITEQ	AMF-4D-180400-45-6P/ 925975	Mar., 2015
	X	Spectrum Analyzer	Agilent	E4407B / US39440758	May, 2015
		Test Receiver	R & S	ESCS 30/ 825442/018	Sep., 2015
	X	Coaxial Cable	QuieTek	QTK-CABLE/ CAB5	Feb., 2015
	X	Controller	QuieTek	QTK-CONTROLLER/ CTRL3	N/A
	X	Coaxial Switch	Anritsu	MP59B/6200265729	N/A

Note:

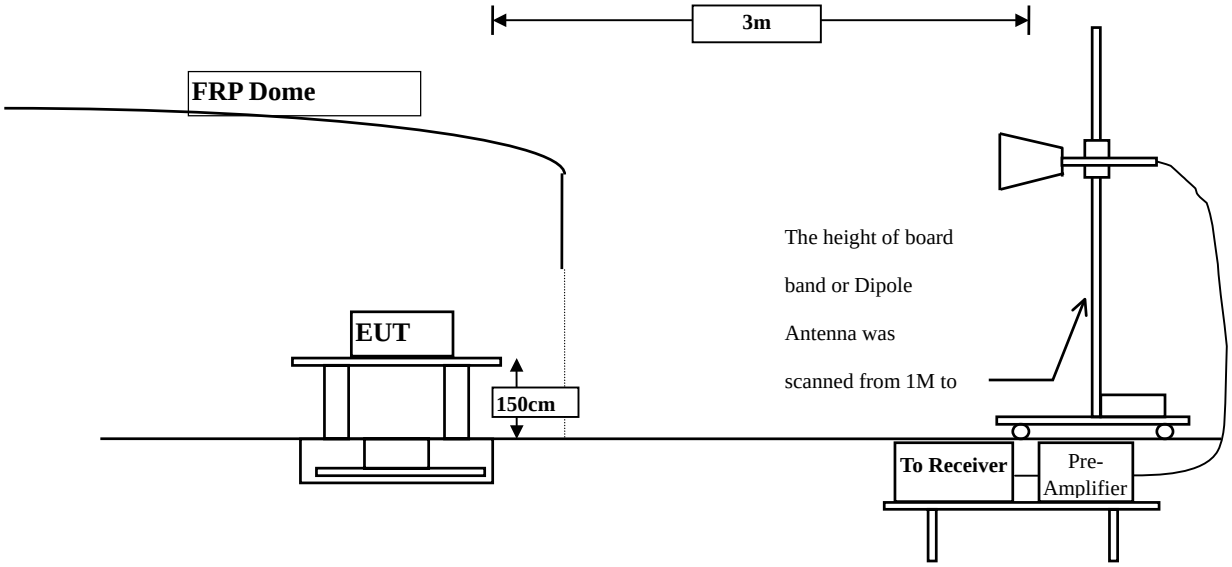
1. All equipment is calibrated once a year or as required by manufacturer.
2. All equipment is calibrated to traceable calibration procedures.
3. The test instruments marked by "X" are used to measure the final test results.

6.2. Test Setup

RF Conducted Measurement:



RF Radiated Measurement:



6.3. Limits

The provisions of Section 15.205 of this part apply to intentional radiators operating under this section.

Radiated emissions which fall in the restricted bands, as defined in Section 15.205, must also comply with the radiated emission limits specified in Section 15.209:

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	uV/m @3m	dBμV/m@3m
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

Remarks : 1. RF Voltage (dBμV) = 20 log RF Voltage (uV)

2. In the Above Table, the tighter limit applies at the band edges.

3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

6.4. Test Procedure

The EUT is placed on a turn table which is 1.5 meter above ground. The turn table can rotate 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 can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10:2013 on radiated measurement.

The bandwidth below 1GHz setting on the field strength meter is 120 kHz, above 1GHz are 1 MHz.

The EUT was setup to ANSI C63.10, 2013; tested to UNII test procedure of FCC KDB-789033 for compliance to FCC 47CFR Subpart E requirements.

6.5. Uncertainty

± 3.8 dB below 1GHz

± 3.9 dB above 1GHz

6.6. Test Result of Band Edge

Product : 802.11ac Dual Band Access Point
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 64 (5320MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
64 (Peak)	5323.623	3.800	111.084	114.885	--	--	--
64 (Peak)	5350.000	3.716	66.319	70.036	74.000	54.000	Pass
64 (Average)	5313.478	3.833	99.080	102.913	--	--	--
64 (Average)	5350.000	3.716	43.105	46.822	74.000	54.000	Pass

Figure Channel 64: Horizontal (Peak)

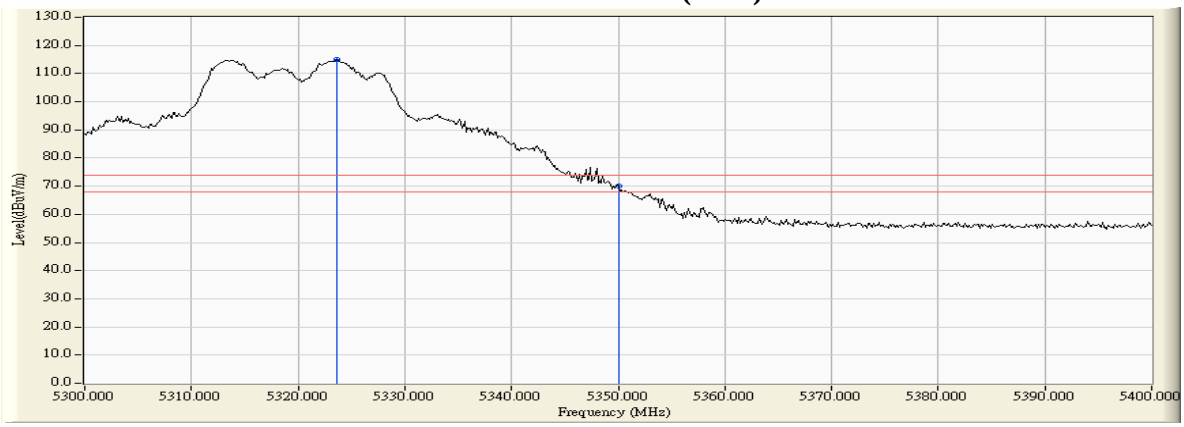
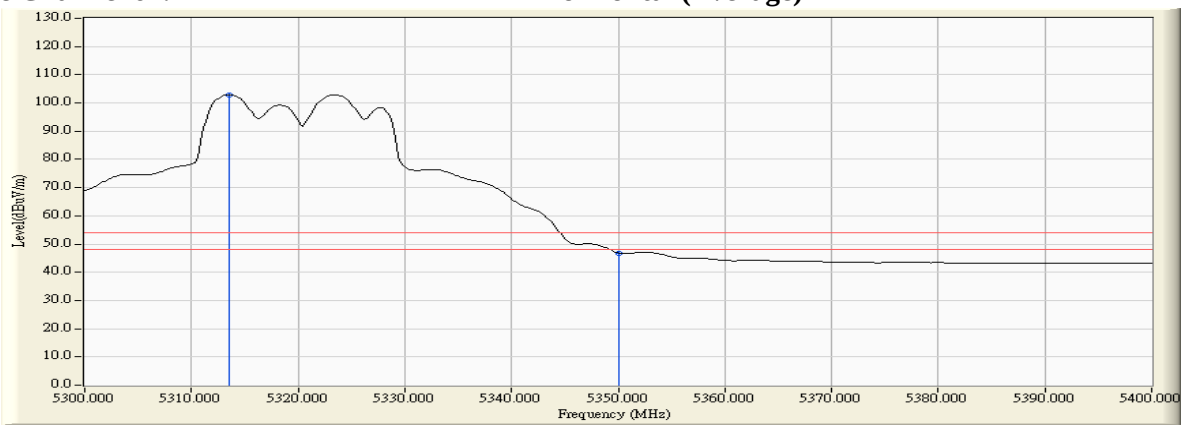


Figure Channel 64: Horizontal (Average)



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. Measurement Level = Reading Level + Correct Factor.
5. The average measurement was not performed when the peak measured data under the limit of average detection

Product : 802.11ac Dual Band Access Point
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 64 (5320MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
64 (Peak)	5321.739	5.728	112.095	117.822	--	--	--
64 (Peak)	5350.000	5.691	60.394	66.086	74.000	54.000	Pass
64 (Peak)	5351.159	5.690	63.655	69.345	74.000	54.000	Pass
64 (Average)	5321.884	5.728	100.334	106.061	--	--	--
64 (Average)	5350.000	5.691	44.395	50.087	74.000	54.000	Pass

Figure Channel 64: Vertical (Peak)

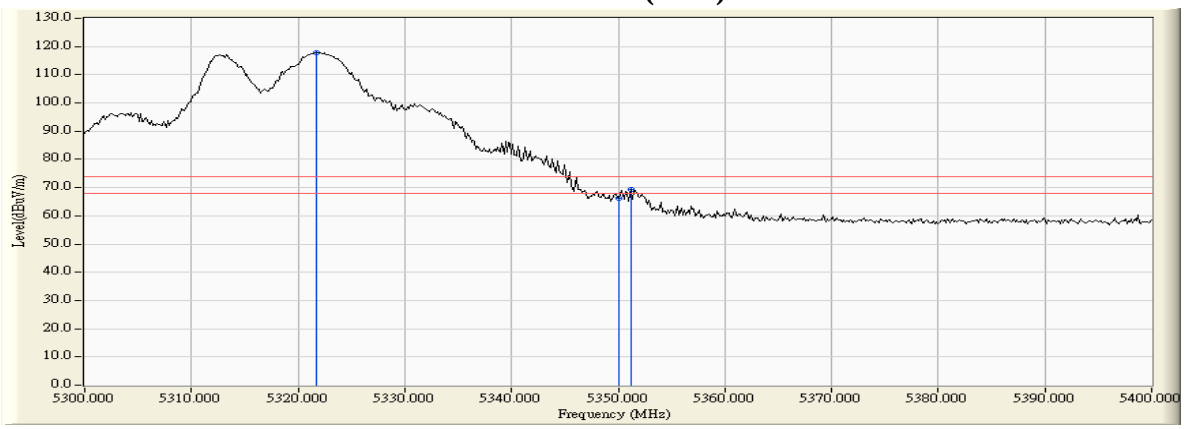


Figure Channel 64: Vertical (Average)

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. Measurement Level = Reading Level + Correct Factor.
5. The average measurement was not performed when the peak measured data under the limit of average detection

Product : 802.11ac Dual Band Access Point
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 100 (5500MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
100 (Peak)	5454.638	4.282	56.711	60.993	74.000	54.000	Pass
100 (Peak)	5460.000	4.354	54.912	59.266	74.000	54.000	Pass
100 (Peak)	5494.058	4.773	111.819	116.592	--	--	--
100 (Average)	5460.000	4.354	41.930	46.284	74.000	54.000	Pass
100 (Average)	5493.913	4.772	98.902	103.674	--	--	--

Figure Channel 100: Horizontal (Peak)

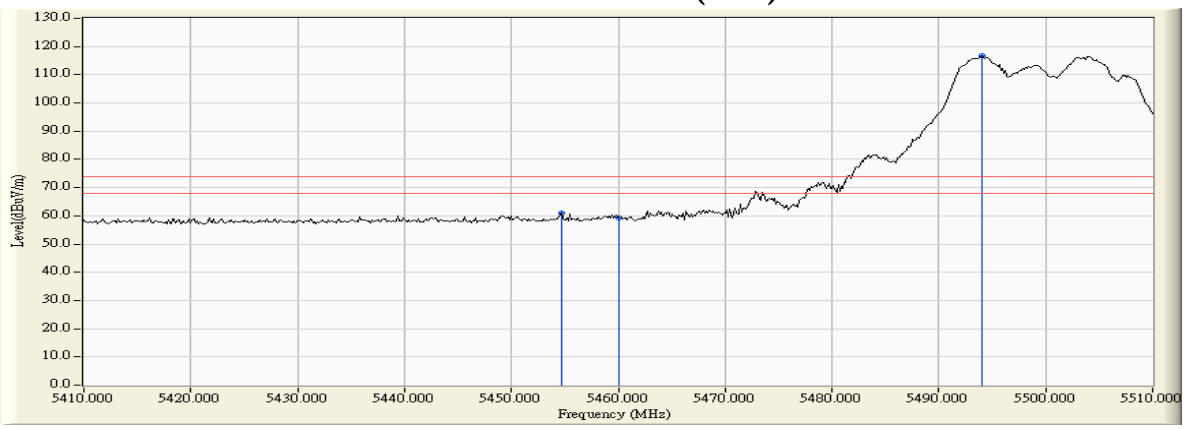
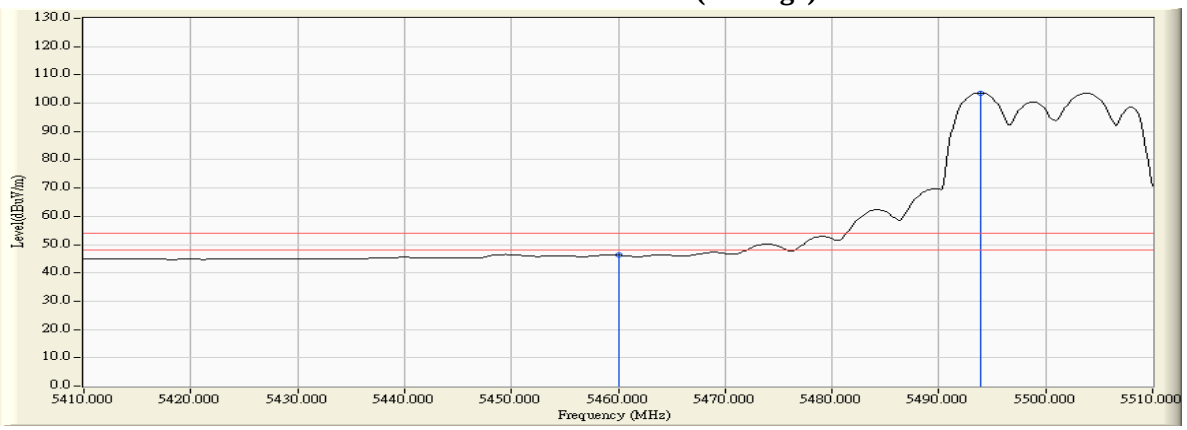


Figure Channel 100: Horizontal (Average)



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. Measurement Level = Reading Level + Correct Factor.
5. The average measurement was not performed when the peak measured data under the limit of average detection

Product : 802.11ac Dual Band Access Point
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 100 (5500MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
100 (Peak)	5459.565	6.038	55.642	61.680	74.000	54.000	Pass
100 (Peak)	5460.000	6.041	53.356	59.397	74.000	54.000	Pass
100 (Peak)	5504.203	6.288	113.158	119.446	--	--	--
100 (Average)	5460.000	6.041	41.401	47.442	74.000	54.000	Pass
100 (Average)	5505.072	6.290	99.628	105.918	--	--	--

Figure Channel 100: Vertical (Peak)

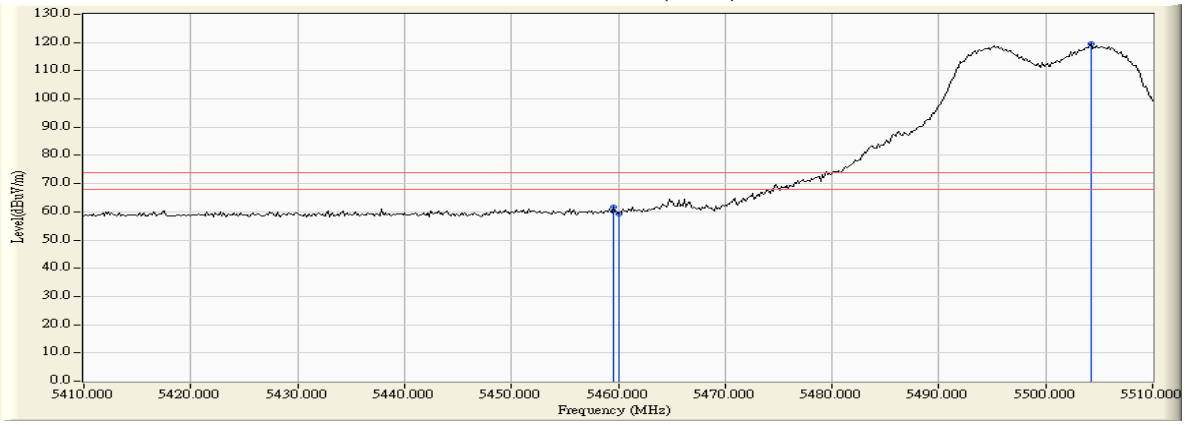
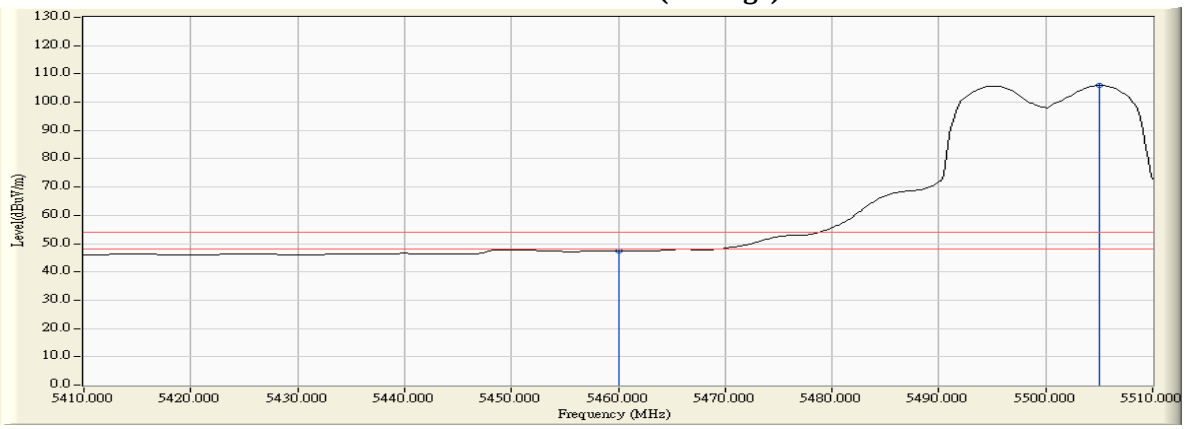
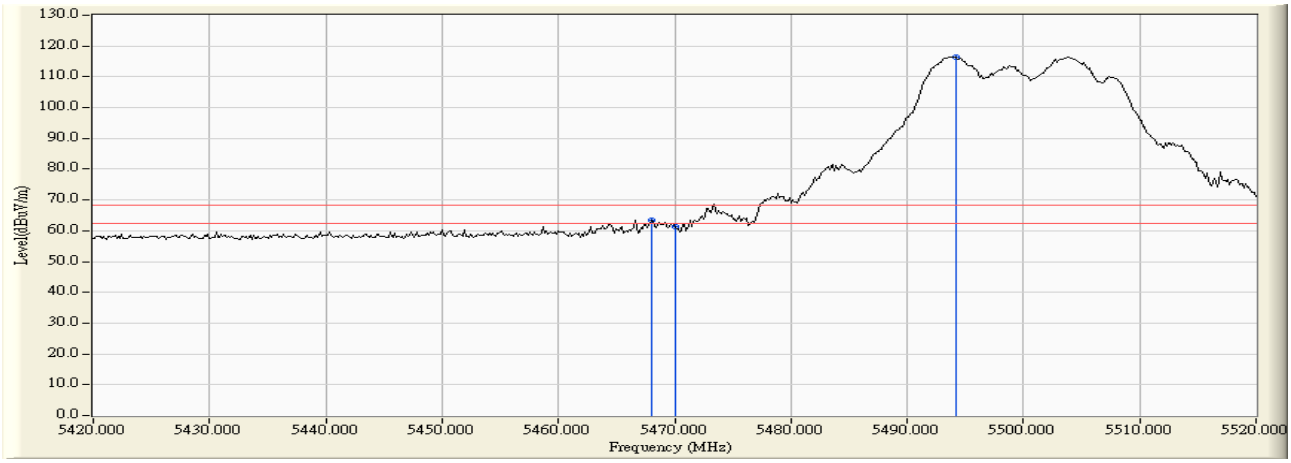


Figure Channel 100: Vertical (Average)



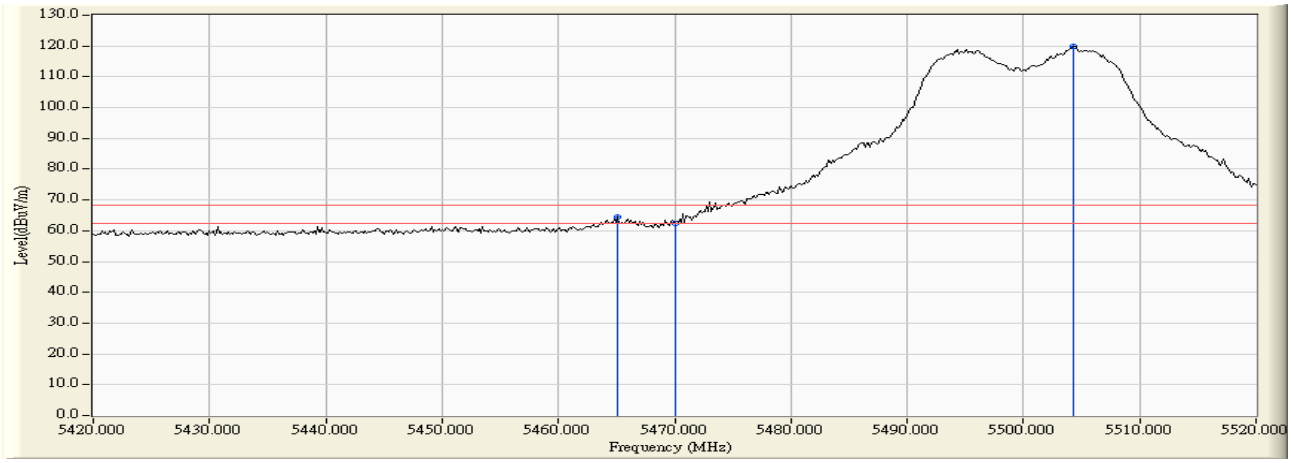
Note:1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. The average measurement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

Product : 802.11ac Dual Band Access Point
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 100



RF Radiated Measurement:

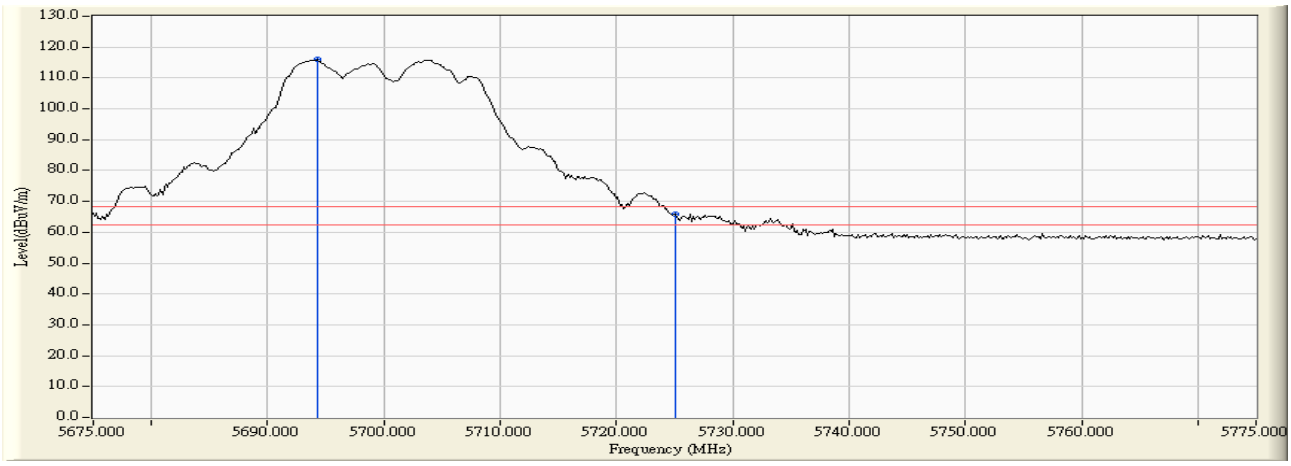
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBµV)	Measure Level (dBµV /m)	Margin (dB)	Limit (dBµV /m)	Result
Horizontal	5467.971	4.461	58.982	63.443	-4.777	68.220	Pass
Horizontal	5470.000	4.488	56.956	61.444	-6.776	68.220	Pass
Horizontal	5494.203	4.775	111.726	116.500	--	--	--



RF Radiated Measurement:

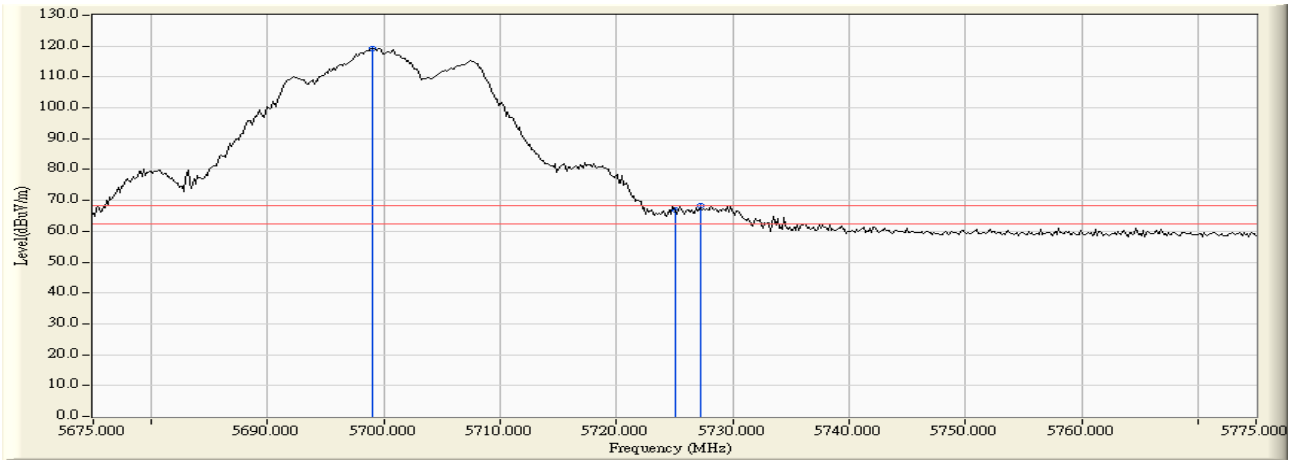
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBµV)	Measure Level (dBµV /m)	Margin (dB)	Limit (dBµV /m)	Result
Vertical	5465.072	6.076	58.524	64.600	-3.620	68.220	Pass
Vertical	5470.000	6.112	56.198	62.309	-5.911	68.220	Pass
Vertical	5504.348	6.288	113.495	119.783	--	--	--

Product : 802.11ac Dual Band Access Point
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 140



RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBµV)	Measure Level (dBµV /m)	Margin (dB)	Limit (dBµV /m)	Result
Horizontal	5694.275	4.611	111.377	115.989	--	--	--
Horizontal	5725.000	4.654	61.215	65.869	-2.351	68.220	Pass



RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBµV)	Measure Level (dBµV /m)	Margin (dB)	Limit (dBµV /m)	Result
Vertical	5699.058	5.981	113.322	119.303	--	--	--
Vertical	5725.000	5.992	60.956	66.949	-1.271	68.220	Pass
Vertical	5727.174	5.992	62.167	68.159	-0.061	68.220	Pass

Product : 802.11ac Dual Band Access Point
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 2: Transmit (802.11n-20BW 21.7Mbps) -Channel 64 (5320MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
64 (Peak)	5316.087	3.825	111.616	115.441	--	--	--
64 (Peak)	5350.000	3.716	56.329	60.046	74.000	54.000	Pass
64 (Peak)	5355.217	3.700	59.173	62.872	74.000	54.000	Pass
64 (Average)	5315.942	3.825	96.851	100.676	--	--	--
64 (Average)	5350.000	3.716	40.957	44.674	74.000	54.000	Pass
64 (Average)	5353.043	3.707	41.839	45.546	74.000	54.000	Pass

Figure Channel 64: Horizontal (Peak)

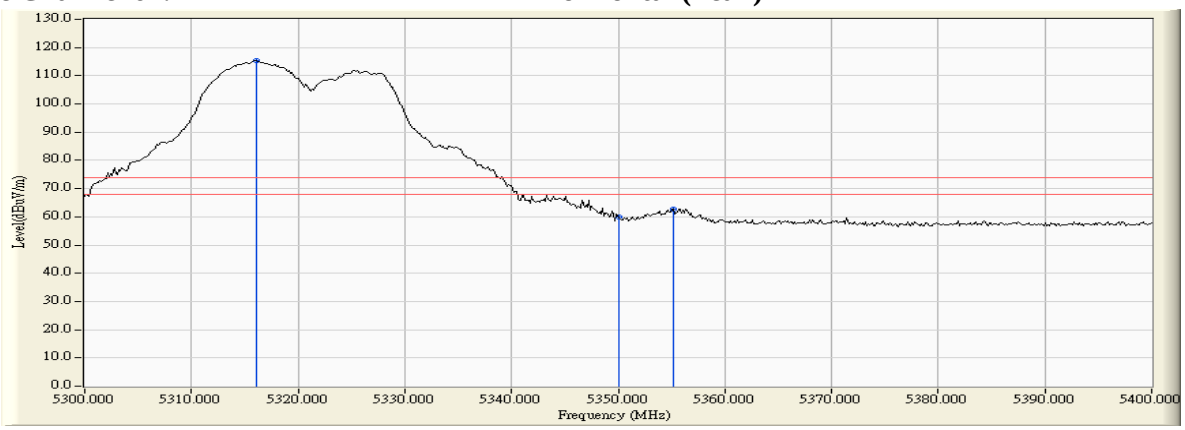
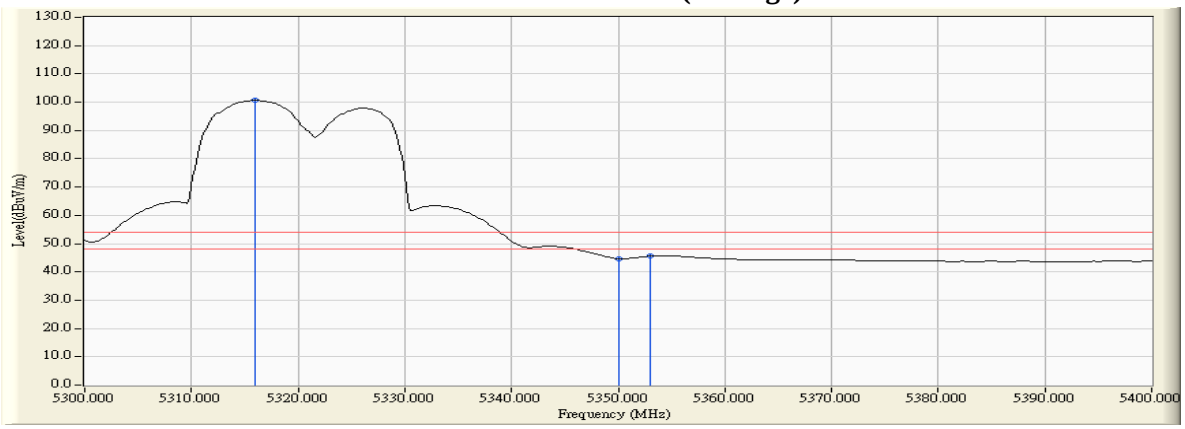


Figure Channel 64: Horizontal (Average)



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. Measurement Level = Reading Level + Correct Factor.
5. The average measurement was not performed when the peak measured data under the limit of average detection

Product : 802.11ac Dual Band Access Point
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 2: Transmit (802.11n-20BW 21.7Mbps) -Channel 64 (5320MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
64 (Peak)	5324.783	5.723	112.816	118.539	--	--	--
64 (Peak)	5350.000	5.691	63.955	69.647	74.000	54.000	Pass
64 (Peak)	5350.435	5.690	65.426	71.117	74.000	54.000	Pass
64 (Average)	5323.768	5.724	99.491	105.215	--	--	--
64 (Average)	5350.000	5.691	45.606	51.298	74.000	54.000	Pass

Figure Channel 64: Vertical (Peak)

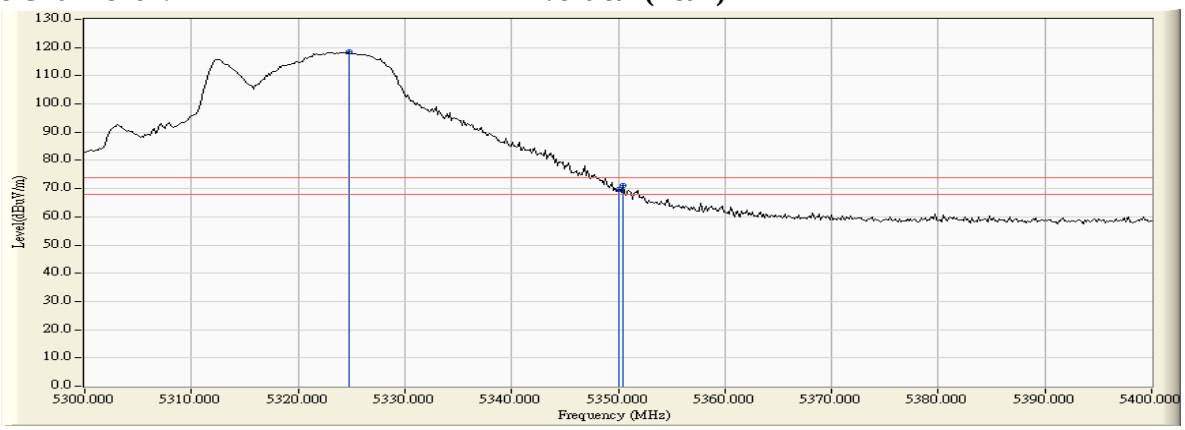
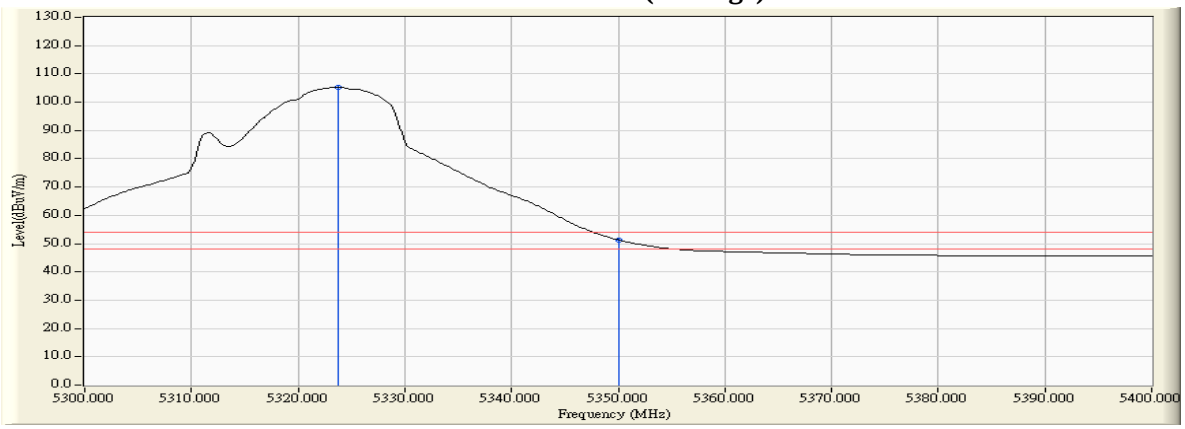


Figure Channel 64: Vertical (Average)



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. Measurement Level = Reading Level + Correct Factor.
5. The average measurement was not performed when the peak measured data under the limit of average detection

Product : 802.11ac Dual Band Access Point
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 2: Transmit (802.11n-20BW 21.7Mbps) -Channel 100 (5500MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
100 (Peak)	5457.247	4.318	55.912	60.229	74.000	54.000	Pass
100 (Peak)	5460.000	4.354	54.084	58.438	74.000	54.000	Pass
100 (Peak)	5497.826	4.799	111.612	116.411	--	--	--
100 (Average)	5460.000	4.354	41.550	45.904	74.000	54.000	Pass
100 (Average)	5497.101	4.795	97.858	102.652	--	--	--

Figure Channel 100: Horizontal (Peak)

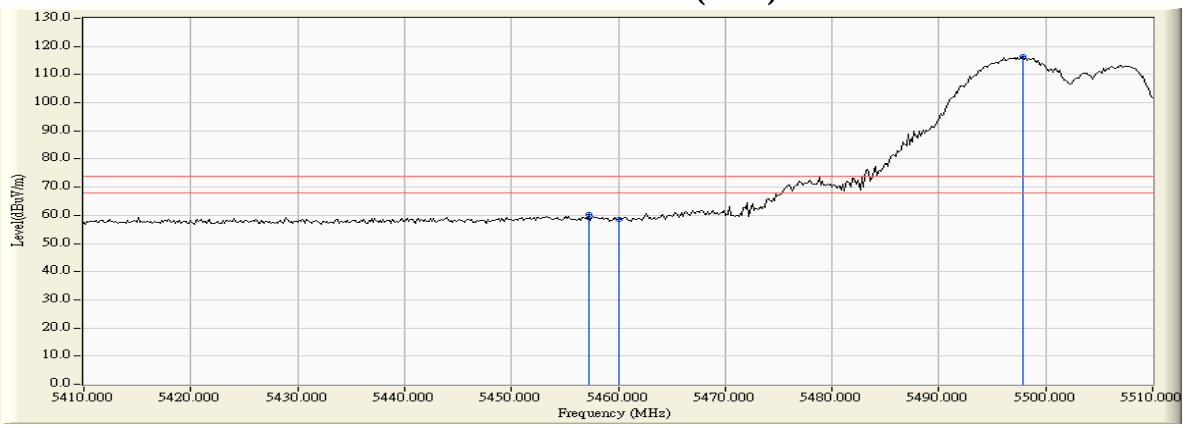
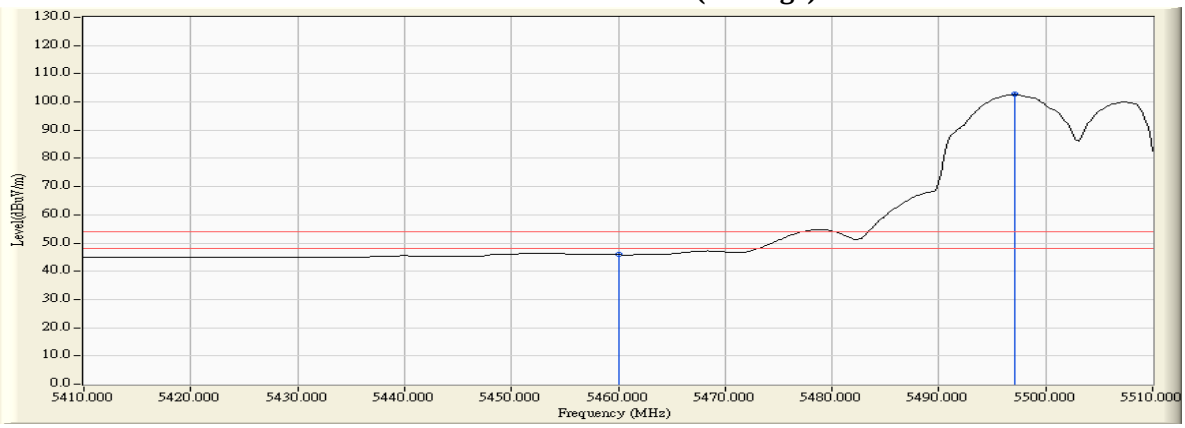


Figure Channel 100: Horizontal (Average)



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. Measurement Level = Reading Level + Correct Factor.
5. The average measurement was not performed when the peak measured data under the limit of average detection

Product : 802.11ac Dual Band Access Point
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 2: Transmit (802.11n-20BW 21.7Mbps) -Channel 100 (5500MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
100 (Peak)	5436.377	5.879	55.621	61.500	74.000	54.000	Pass
100 (Peak)	5460.000	6.041	54.076	60.117	74.000	54.000	Pass
100 (Peak)	5495.217	6.260	112.185	118.445	--	--	--
100 (Average)	5460.000	6.041	41.205	47.246	74.000	54.000	Pass
100 (Average)	5495.797	6.262	98.475	104.737	--	--	--

Figure Channel 100: Vertical (Peak)

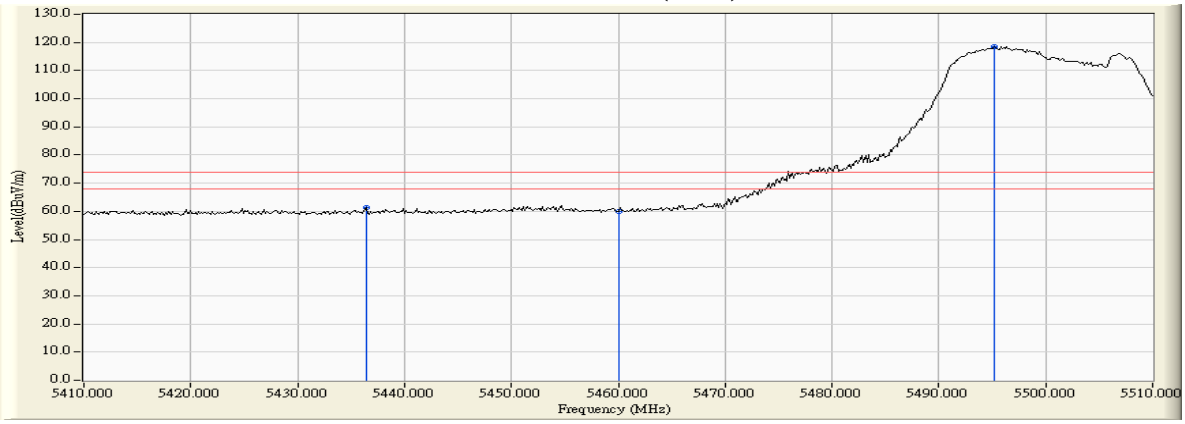
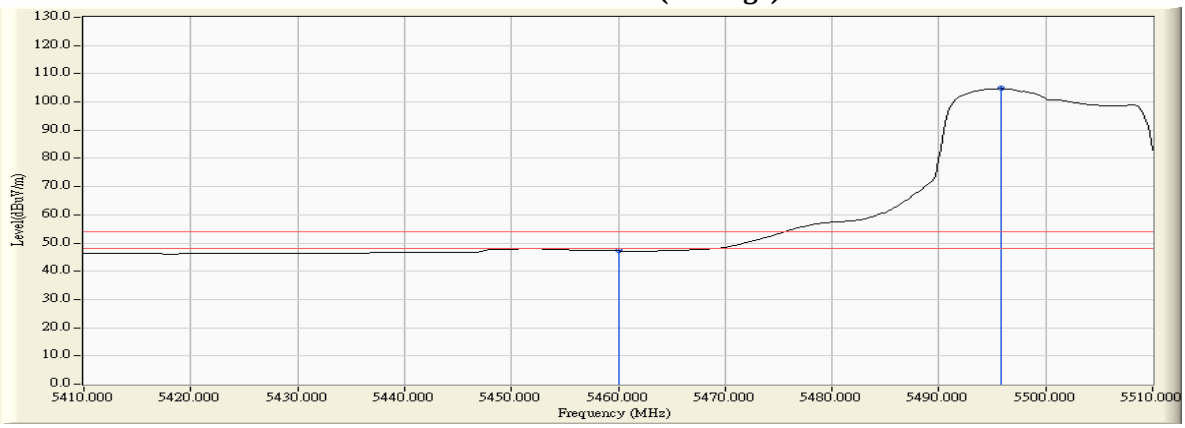
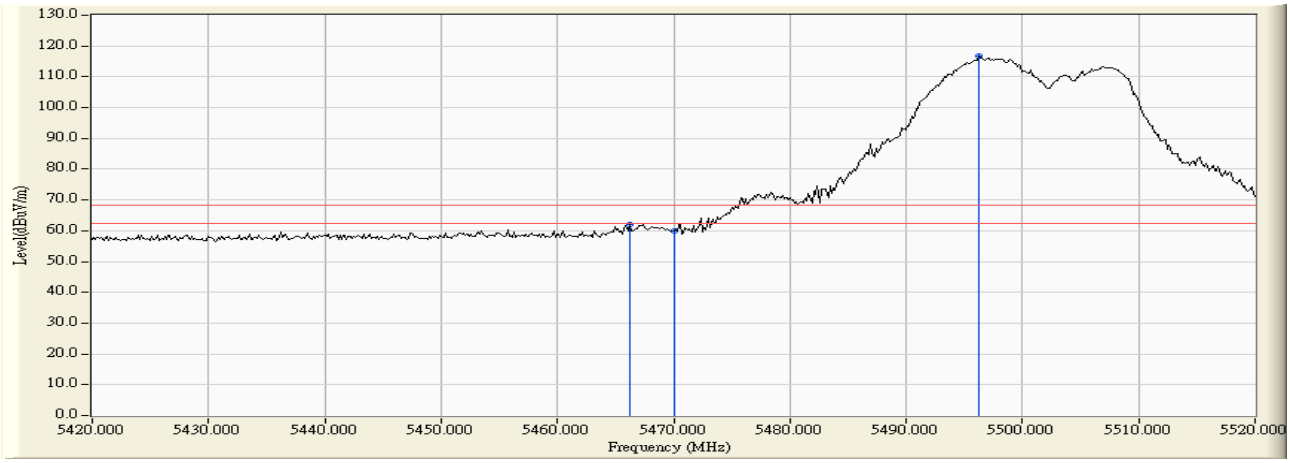


Figure Channel 100: Vertical (Average)



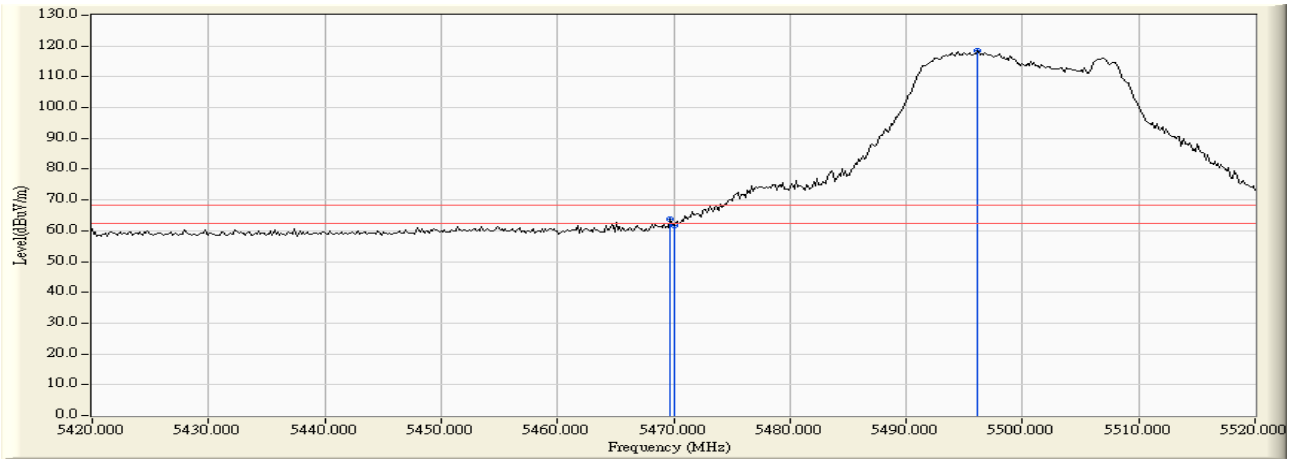
Note:1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. The average measurement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

Product : 802.11ac Dual Band Access Point
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 2: Transmit (802.11n-20BW 21.7Mbps) -Channel 100



RF Radiated Measurement:

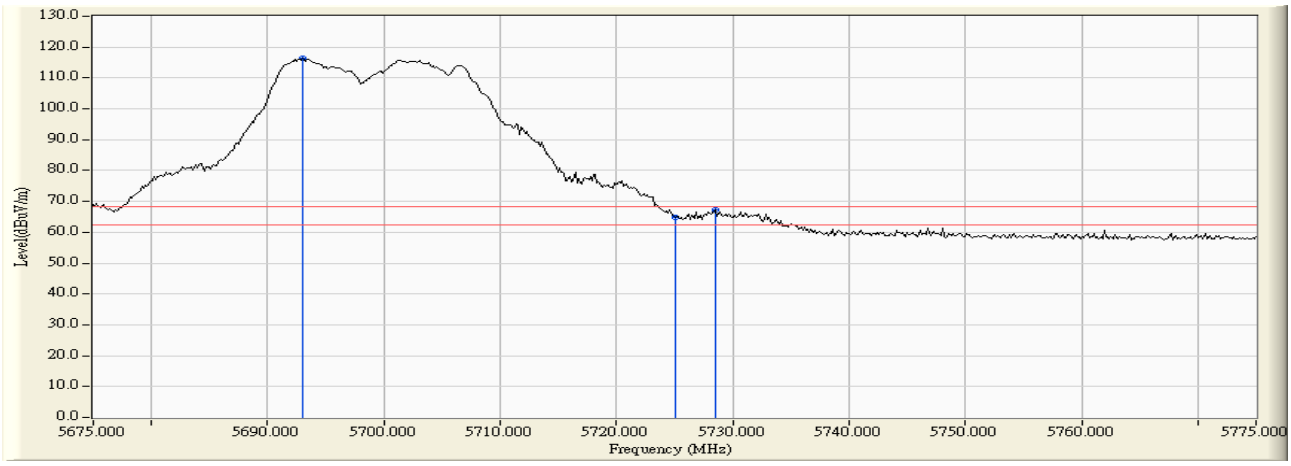
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBµV)	Measure Level (dBµV /m)	Margin (dB)	Limit (dBµV /m)	Result
Horizontal	5466.232	4.437	57.669	62.106	-6.114	68.220	Pass
Horizontal	5470.000	4.488	55.421	59.909	-8.311	68.220	Pass
Horizontal	5496.232	4.789	111.879	116.667	--	--	--



RF Radiated Measurement:

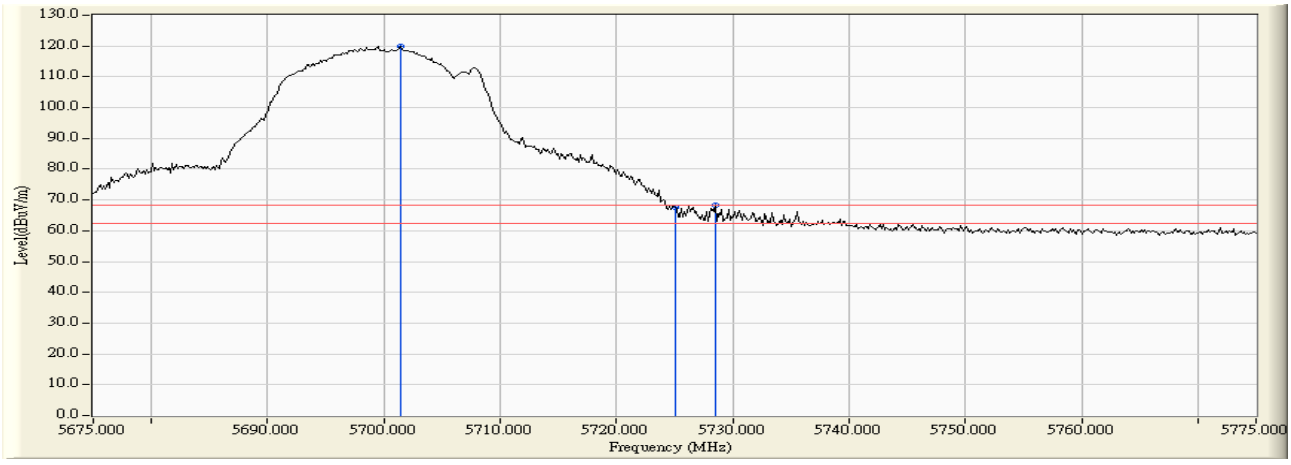
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBµV)	Measure Level (dBµV /m)	Margin (dB)	Limit (dBµV /m)	Result
Vertical	5469.710	6.109	57.558	63.667	-4.553	68.220	Pass
Vertical	5470.000	6.112	55.493	61.604	-6.616	68.220	Pass
Vertical	5496.087	6.263	112.181	118.444	--	--	--

Product : 802.11ac Dual Band Access Point
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 2: Transmit (802.11n-20BW 21.7Mbps) -Channel 140



RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBµV)	Measure Level (dBµV /m)	Margin (dB)	Limit (dBµV /m)	Result
Horizontal	5692.971	4.609	111.800	116.408	--	--	--
Horizontal	5725.000	4.654	60.059	64.713	-3.507	68.220	Pass
Horizontal	5728.478	4.654	62.437	67.092	-1.128	68.220	Pass



RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBµV)	Measure Level (dBµV /m)	Margin (dB)	Limit (dBµV /m)	Result
Vertical	5701.377	5.985	114.014	119.998	--	--	--
Vertical	5725.000	5.992	61.589	67.582	-0.638	68.220	Pass
Vertical	5728.478	5.992	62.154	68.146	-0.074	68.220	Pass

Product : 802.11ac Dual Band Access Point
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 3: Transmit (802.11n-40BW 45Mbps) -Channel 62 (5310MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
62 (Peak)	5317.681	3.819	107.680	111.500	--	--	--
62 (Peak)	5350.000	3.716	58.919	62.636	74.000	54.000	Pass
62 (Peak)	5356.377	3.695	65.579	69.275	74.000	54.000	Pass
62 (Average)	5318.406	3.817	92.124	95.941	--	--	--
62 (Average)	5350.000	3.716	44.212	47.929	74.000	54.000	Pass
62 (Average)	5355.507	3.698	46.319	50.017	74.000	54.000	Pass

Figure Channel 62: Horizontal (Peak)

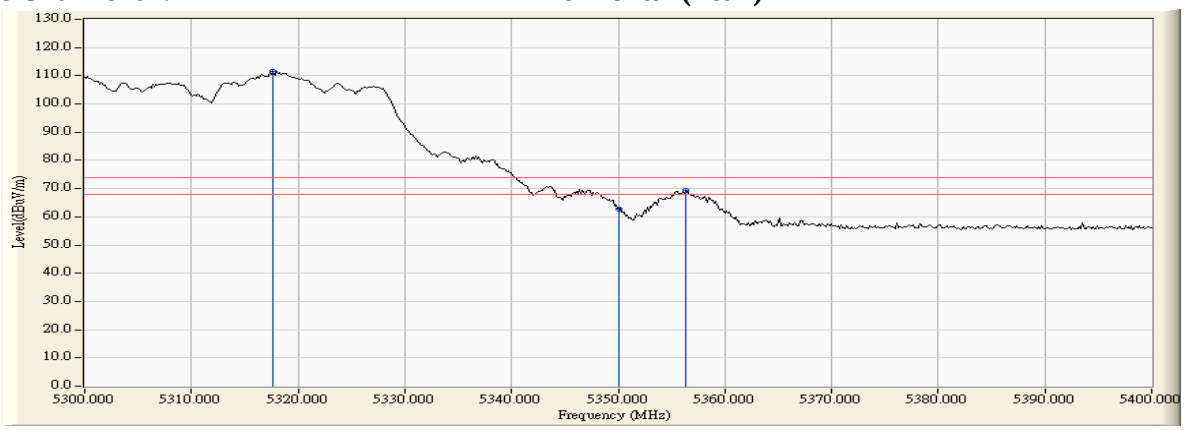
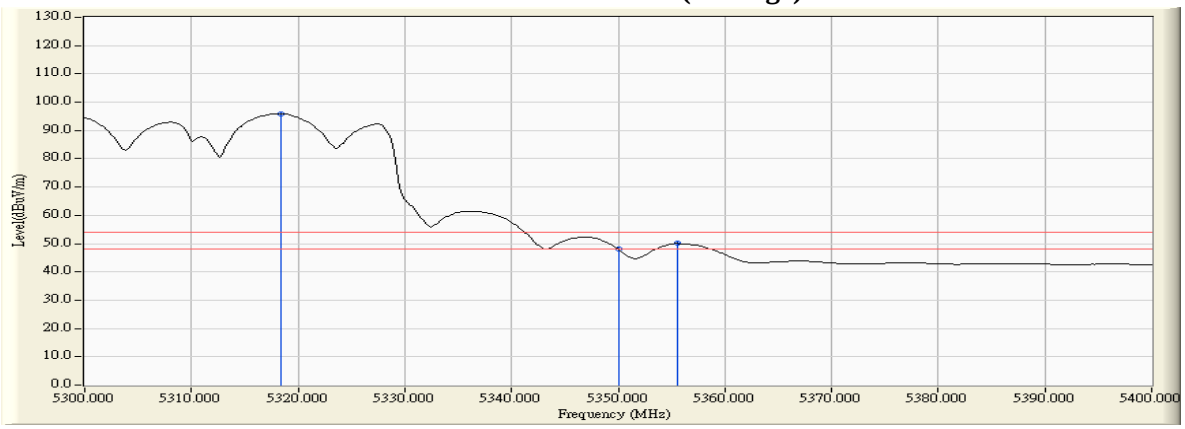


Figure Channel 62: Horizontal (Average)



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. Measurement Level = Reading Level + Correct Factor.
5. The average measurement was not performed when the peak measured data under the limit of average detection

Product : 802.11ac Dual Band Access Point
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 3: Transmit (802.11n-40BW 45Mbps) -Channel 62 (5310MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
62 (Peak)	5302.754	5.752	109.773	115.525	--	--	--
62 (Peak)	5350.000	5.691	62.324	68.016	74.000	54.000	Pass
62 (Peak)	5358.116	5.680	62.974	68.654	74.000	54.000	Pass
62 (Average)	5303.333	5.751	94.608	100.359	--	--	--
62 (Average)	5350.000	5.691	47.212	52.904	74.000	54.000	Pass

Figure Channel 62: Vertical (Peak)

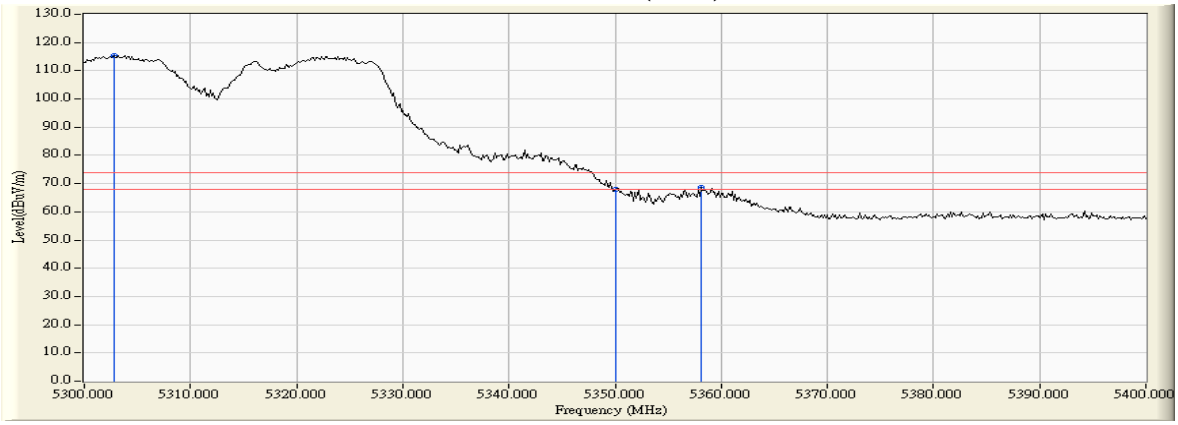
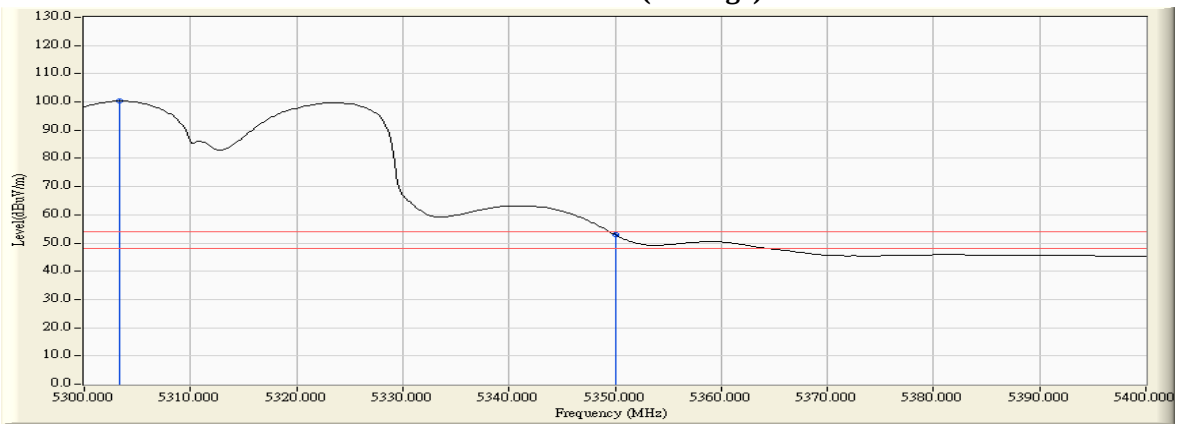


Figure Channel 62: Vertical (Average)



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. Measurement Level = Reading Level + Correct Factor.
5. The average measurement was not performed when the peak measured data under the limit of average detection

Product : 802.11ac Dual Band Access Point
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 3: Transmit (802.11n-40BW 45Mbps) -Channel 102 (5510MHz)

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
102 (Peak)	5458.551	4.335	61.745	66.079	74.000	54.000	Pass
102 (Peak)	5460.000	4.354	59.520	63.874	74.000	54.000	Pass
102 (Peak)	5497.536	4.797	109.442	114.239	--	--	--
102 (Average)	5458.116	4.329	45.418	49.747	74.000	54.000	Pass
102 (Average)	5460.000	4.354	43.951	48.305	74.000	54.000	Pass
102 (Average)	5497.246	4.796	94.188	98.983	--	--	--

Figure Channel 102: Horizontal (Peak)

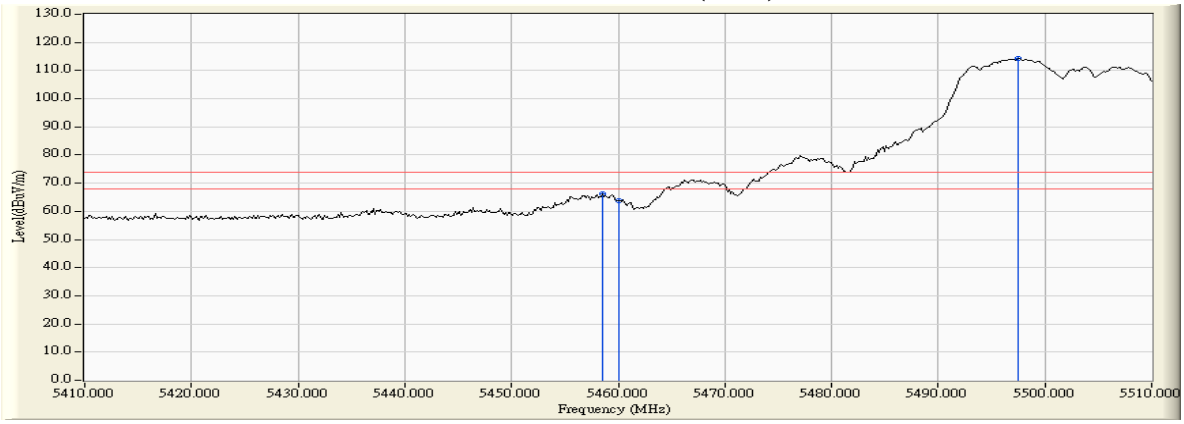
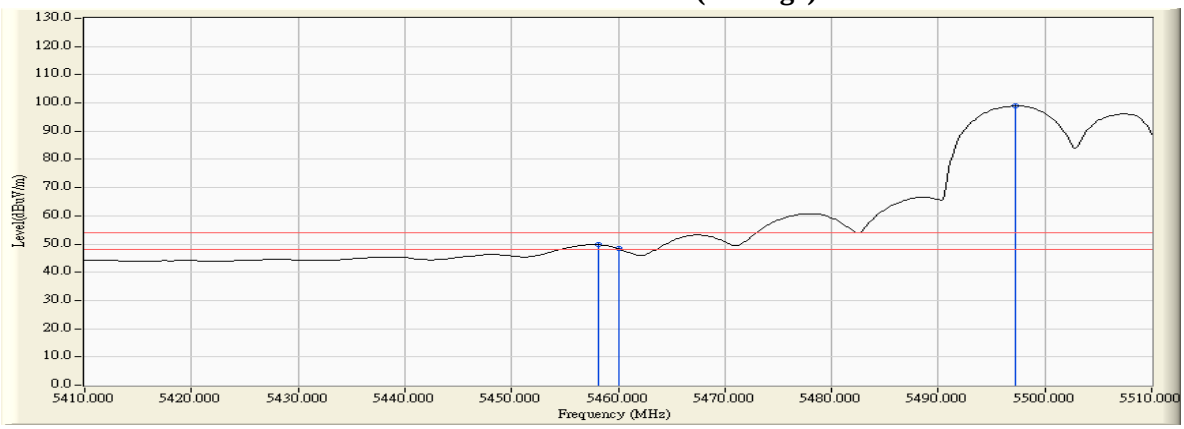


Figure Channel 102: Horizontal (Average)



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. Measurement Level = Reading Level + Correct Factor.
5. The average measurement was not performed when the peak measured data under the limit of average detection

Product : 802.11ac Dual Band Access Point
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 3: Transmit (802.11n-40BW 45Mbps) -Channel 102 (5510MHz)

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
102 (Peak)	5459.855	6.040	67.394	73.434	74.000	54.000	Pass
102 (Peak)	5460.000	6.041	64.015	70.056	74.000	54.000	Pass
102 (Peak)	5507.536	6.273	111.617	117.891	--	--	--
102 (Average)	5452.319	5.987	46.574	52.561	74.000	54.000	Pass
102 (Average)	5460.000	6.041	46.113	52.154	74.000	54.000	Pass
102 (Average)	5508.551	6.268	96.761	103.028	--	--	--

Figure Channel 102: Vertical (Peak)

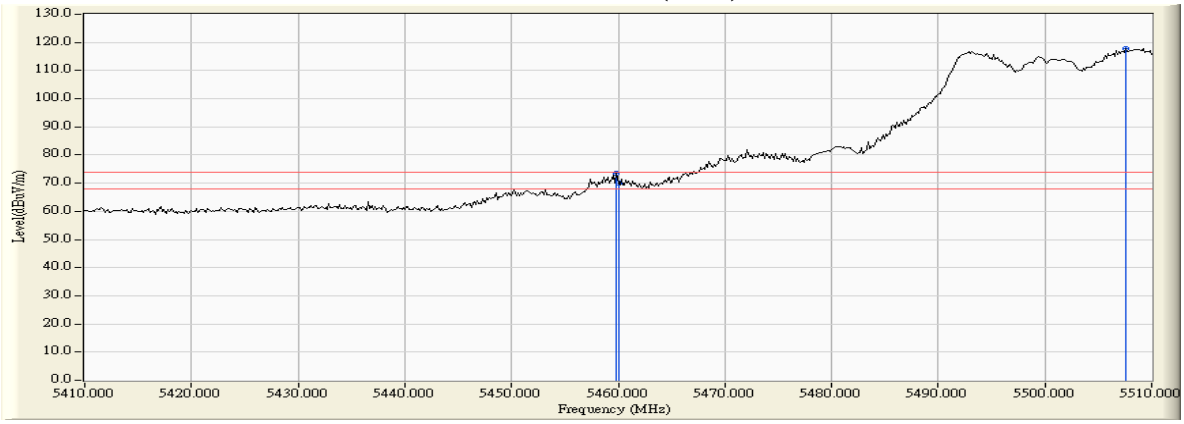
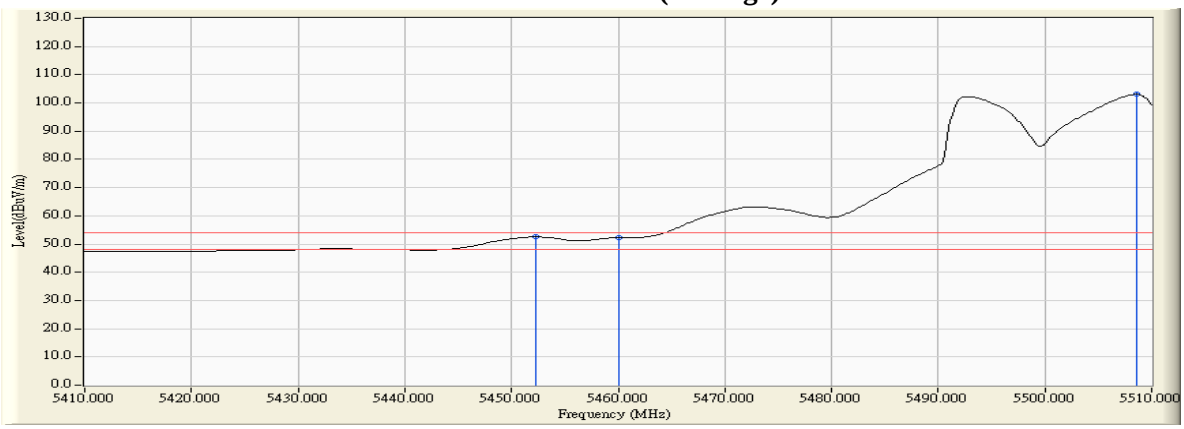
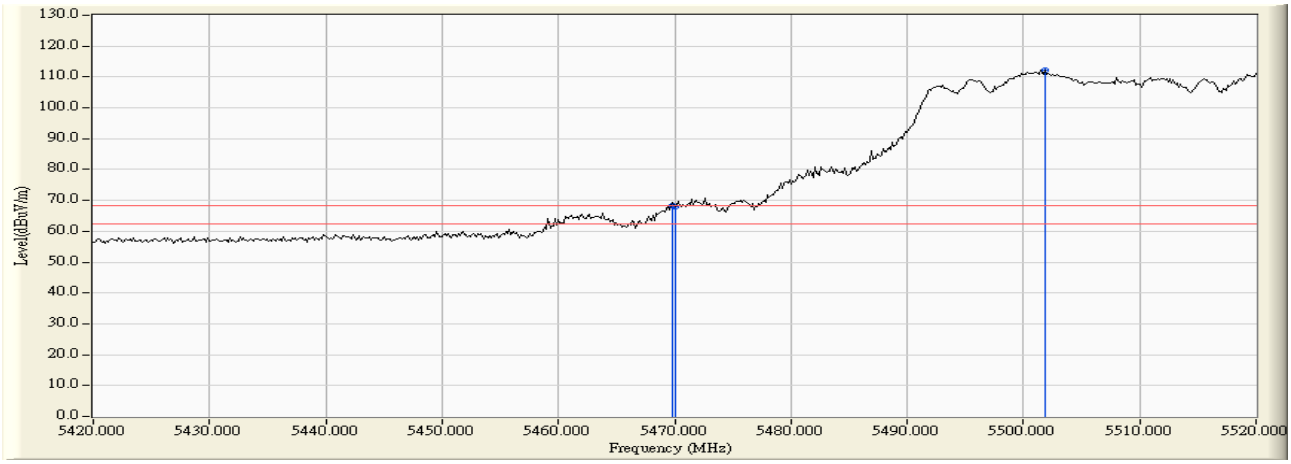


Figure Channel 102: Vertical (Average)



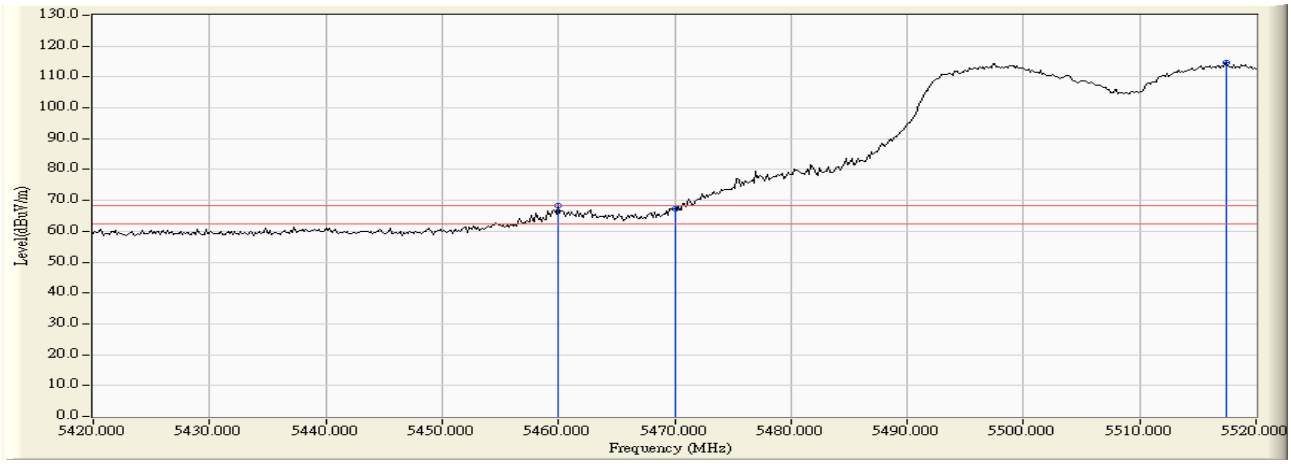
Note:1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. The average measurement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

Product : 802.11ac Dual Band Access Point
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 3: Transmit (802.11n-40BW 45Mbps) -Channel 102



RF Radiated Measurement:

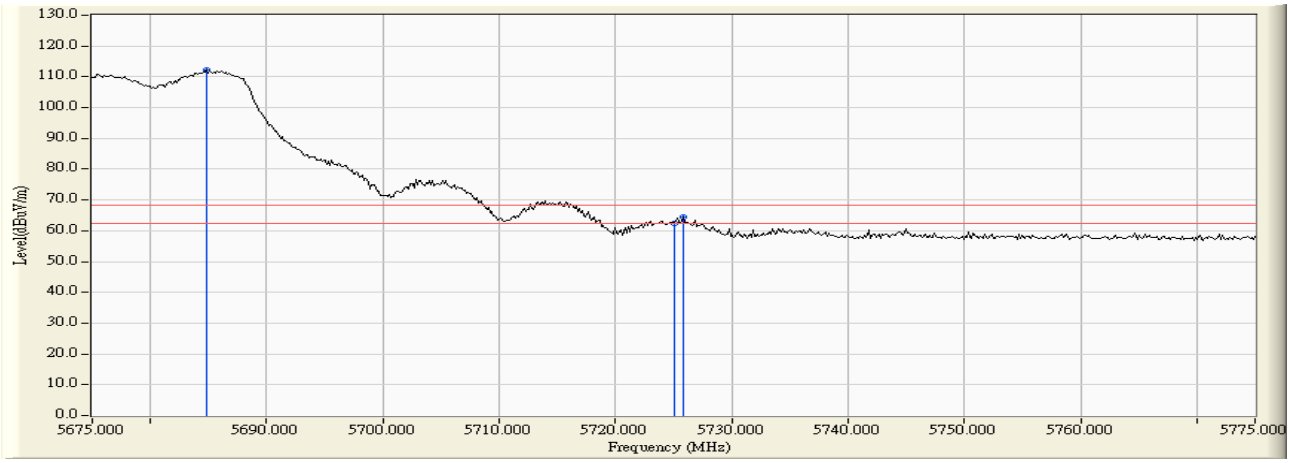
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBµV)	Measure Level (dBµV /m)	Margin (dB)	Limit (dBµV /m)	Result
Horizontal	5469.855	4.485	63.715	68.201	-0.019	68.220	Pass
Horizontal	5470.000	4.488	63.379	67.867	-0.353	68.220	Pass
Horizontal	5501.884	4.827	107.391	112.218	--	--	--



RF Radiated Measurement:

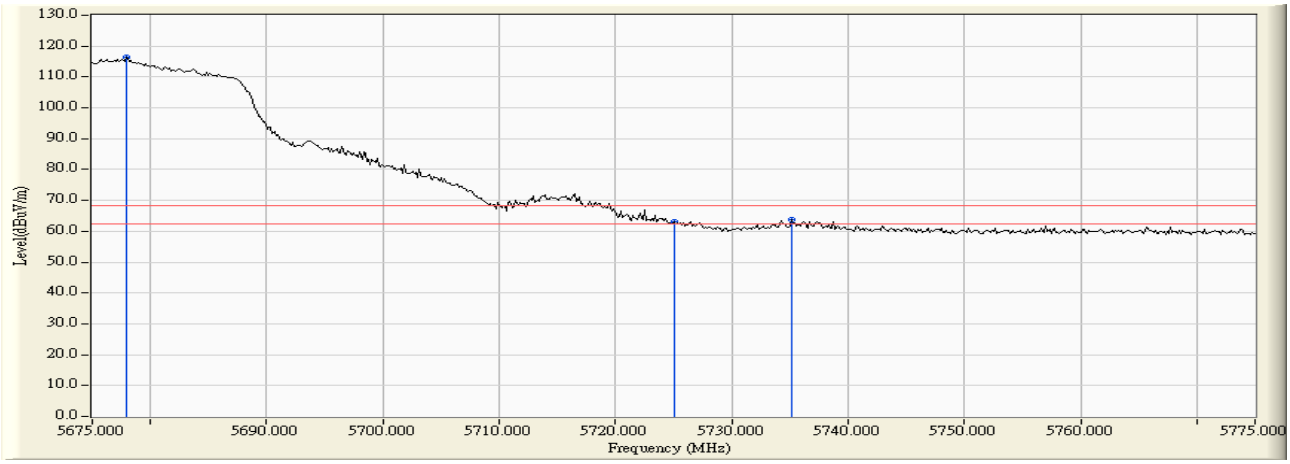
	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBµV)	Measure Level (dBµV /m)	Margin (dB)	Limit (dBµV /m)	Result
Vertical	5460.000	6.041	62.142	68.183	-0.037	68.220	Pass
Vertical	5470.000	6.112	61.181	67.292	-0.928	68.220	Pass
Vertical	5517.391	6.211	108.368	114.579	--	--	--

Product : 802.11ac Dual Band Access Point
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 3: Transmit (802.11n-40BW 45Mbps) -Channel 134



RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBµV)	Measure Level (dBµV /m)	Margin (dB)	Limit (dBµV /m)	Result
Horizontal	5684.855	4.566	107.583	112.149	--	--	--
Horizontal	5725.000	4.654	57.738	62.392	-5.828	68.220	Pass
Horizontal	5725.870	4.655	59.940	64.594	-3.626	68.220	Pass



RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBµV)	Measure Level (dBµV /m)	Margin (dB)	Limit (dBµV /m)	Result
Vertical	5677.899	5.931	110.587	116.517	--	--	--
Vertical	5725.000	5.992	56.988	62.981	-5.239	68.220	Pass
Vertical	5735.145	5.991	57.696	63.687	-4.533	68.220	Pass

Product : 802.11ac Dual Band Access Point
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 4: Transmit (802.11ac-80BW-97.5Mbps) -Channel 58

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
58 (Peak)	5307.826	3.852	101.320	105.172	--	--	--
58 (Peak)	5350.000	3.716	63.707	67.424	74.000	54.000	Pass
58 (Average)	5307.391	3.853	84.217	88.070	--	--	--
58 (Average)	5350.000	3.716	45.238	48.955	74.000	54.000	Pass

Figure Channel 58: Horizontal (Peak)

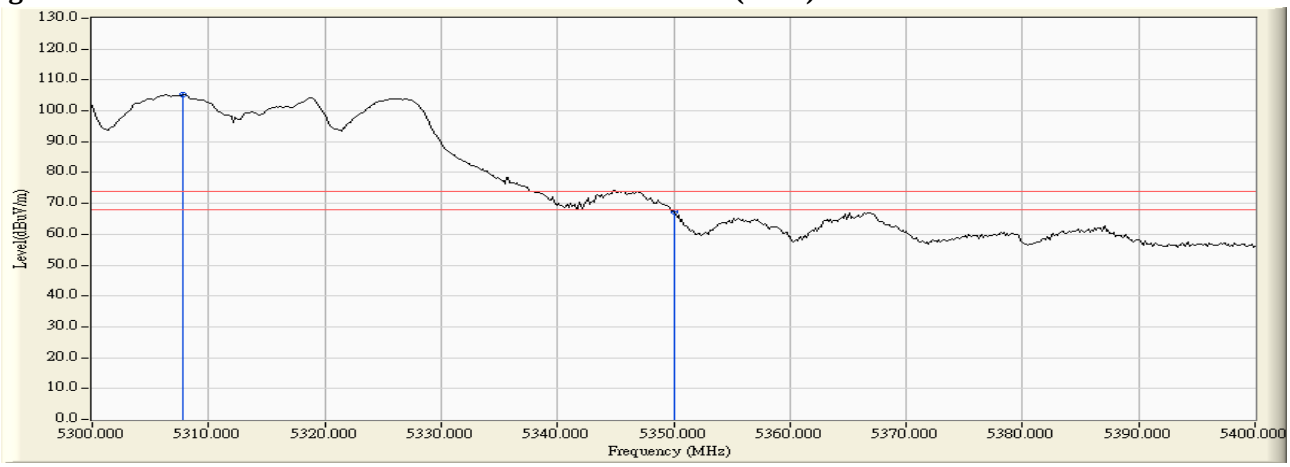
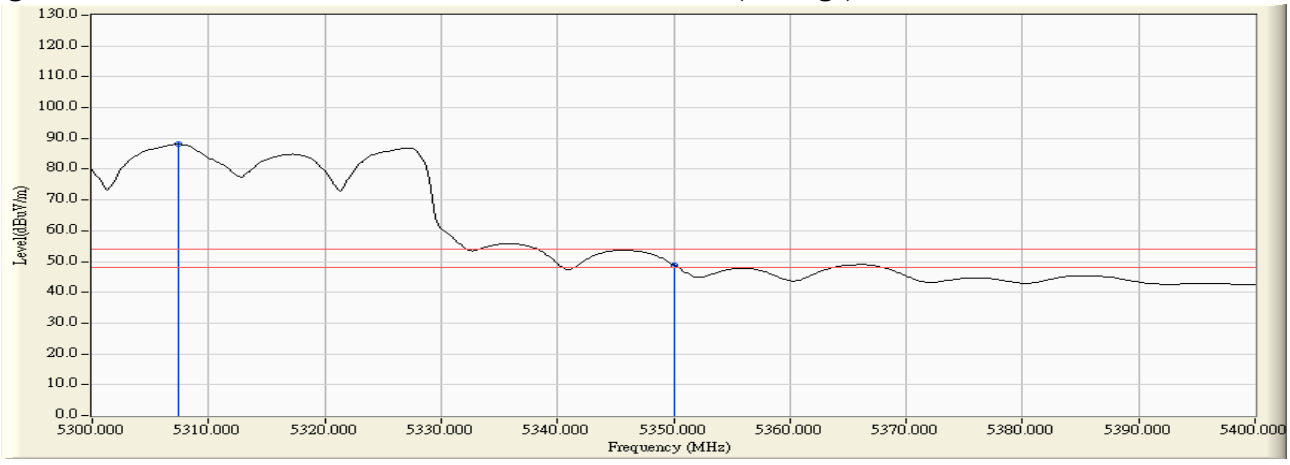


Figure Channel 58: Horizontal (Average)



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. Measurement Level = Reading Level + Correct Factor.
5. The average measurement was not performed when the peak measured data under the limit of average detection

Product : 802.11ac Dual Band Access Point
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 4: Transmit (802.11ac-80BW-97.5Mbps) -Channel 58

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
58 (Peak)	5303.623	5.750	102.803	108.553	--	--	--
58 (Peak)	5350.000	5.691	63.208	68.900	74.000	54.000	Pass
58 (Average)	5304.058	5.750	84.891	90.641	--	--	--
58 (Average)	5350.000	5.691	47.110	52.802	74.000	54.000	Pass
58 (Average)	5358.261	5.680	47.354	53.034	74.000	54.000	Pass

Figure Channel 58: Vertical (Peak)

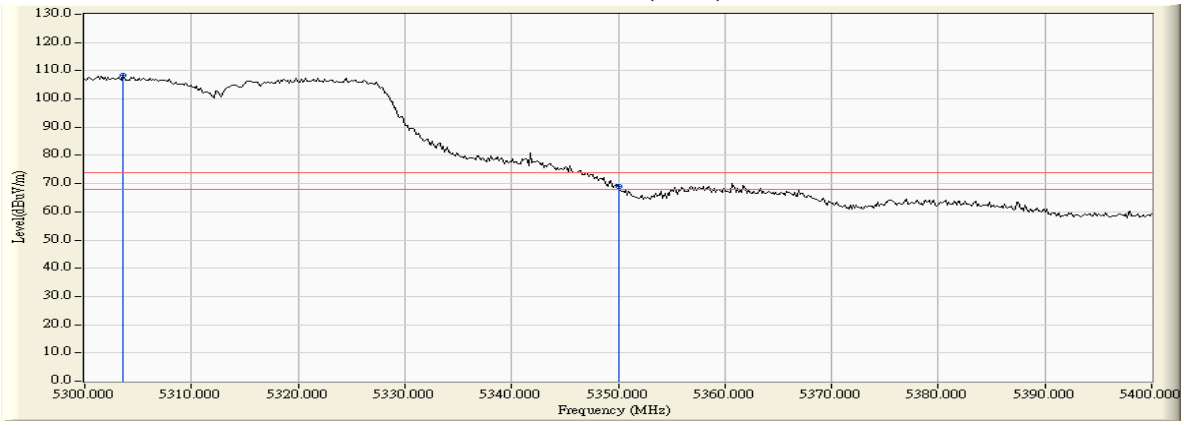
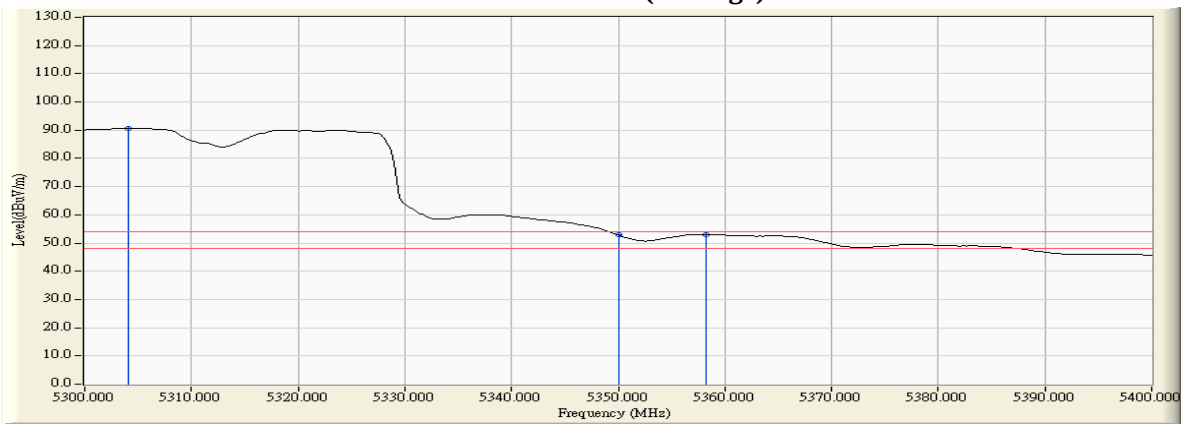


Figure Channel 58: Vertical (Average)



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. Measurement Level = Reading Level + Correct Factor.
5. The average measurement was not performed when the peak measured data under the limit of average detection

Product : 802.11ac Dual Band Access Point
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 4: Transmit (802.11ac-80BW-97.5Mbps) -Channel 106

RF Radiated Measurement (Horizontal):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
106 (Peak)	5458.986	4.340	64.371	68.711	74.000	54.000	Pass
106 (Peak)	5460.000	4.354	62.859	67.213	74.000	54.000	Pass
106 (Peak)	5508.841	4.818	100.462	105.280	--	--	--
106 (Average)	5460.000	4.354	44.822	49.176	74.000	54.000	Pass
106 (Average)	5508.261	4.823	82.826	87.649	--	--	--

Figure Channel 106: Horizontal (Peak)

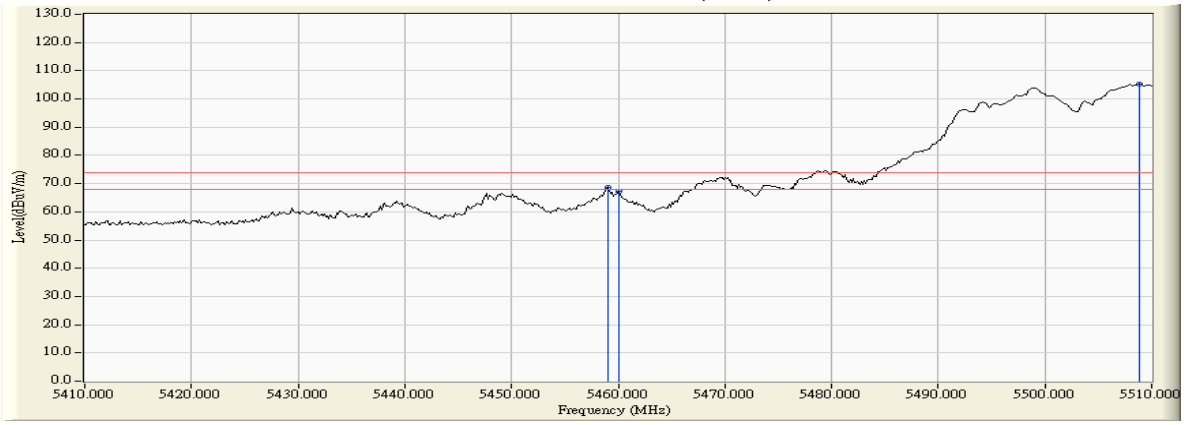
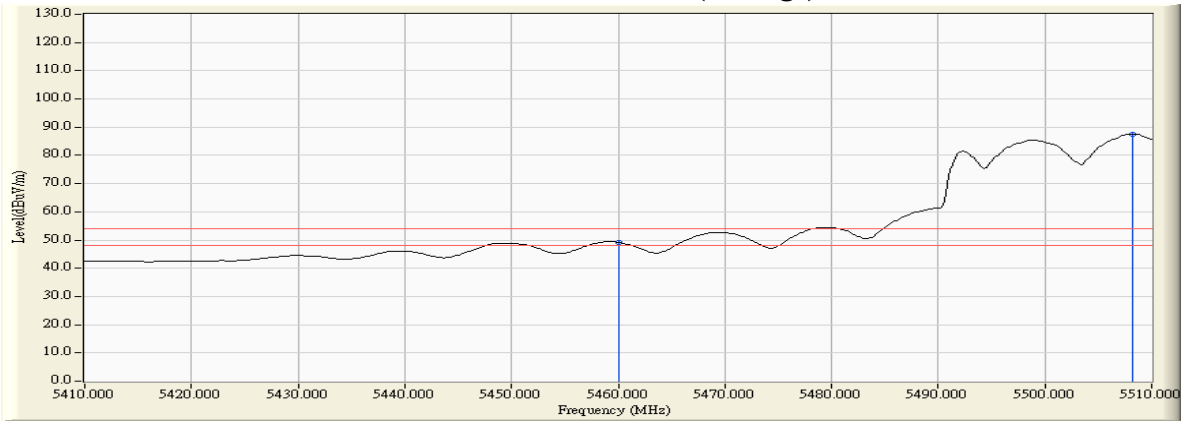


Figure Channel 106: Horizontal (Average)



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. Measurement Level = Reading Level + Correct Factor.
5. The average measurement was not performed when the peak measured data under the limit of average detection

Product : 802.11ac Dual Band Access Point
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 4: Transmit (802.11ac-80BW-97.5Mbps) -Channel 106

RF Radiated Measurement (Vertical):

Channel No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Emission Level (dBμV/m)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Result
106 (Peak)	5460.000	6.041	63.458	69.499	83.540	63.540	Pass
106 (Peak)	5495.362	6.261	102.611	108.872	--	--	--
106 (Average)	5457.391	6.023	47.181	53.203	83.540	63.540	Pass
106 (Average)	5460.000	6.041	46.435	52.476	83.540	63.540	Pass
106 (Average)	5496.232	6.264	85.017	91.280	--	--	--

Figure Channel 106: Vertical (Peak)

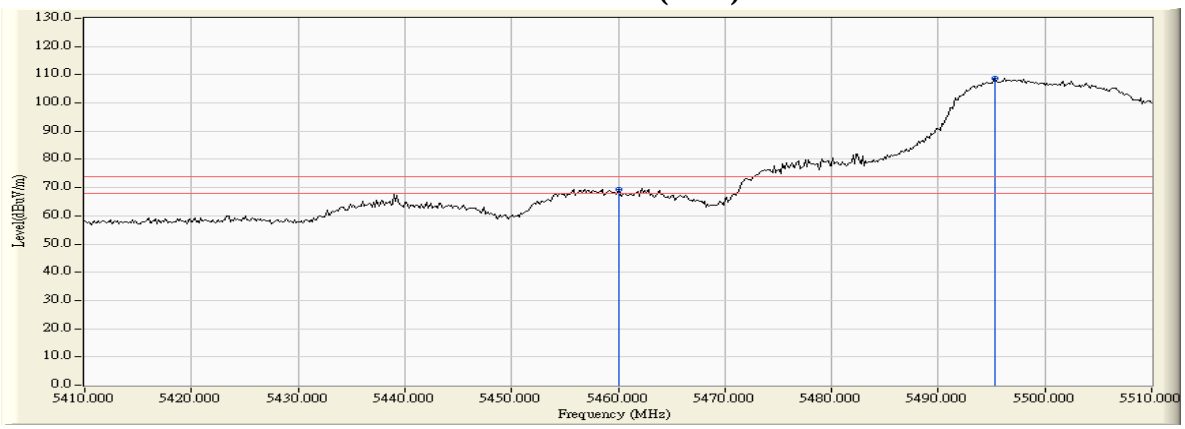
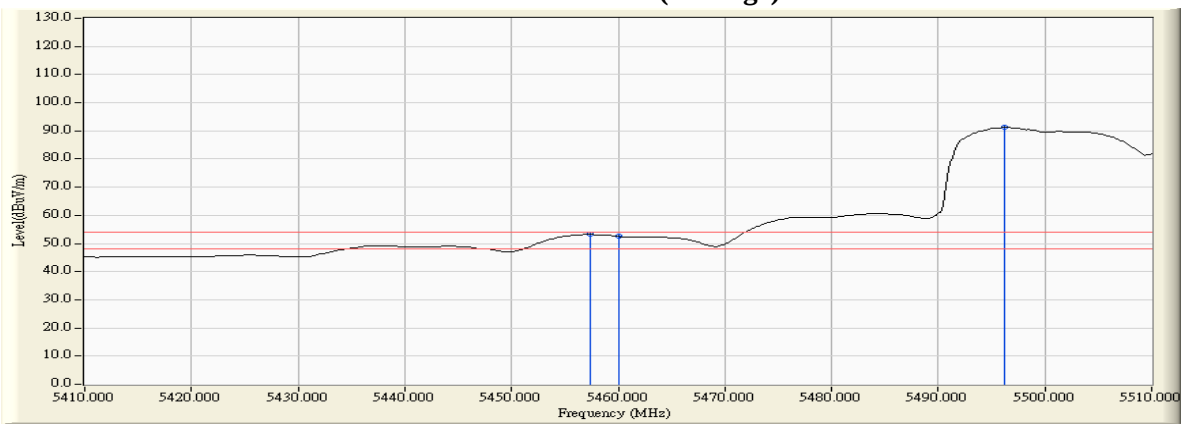
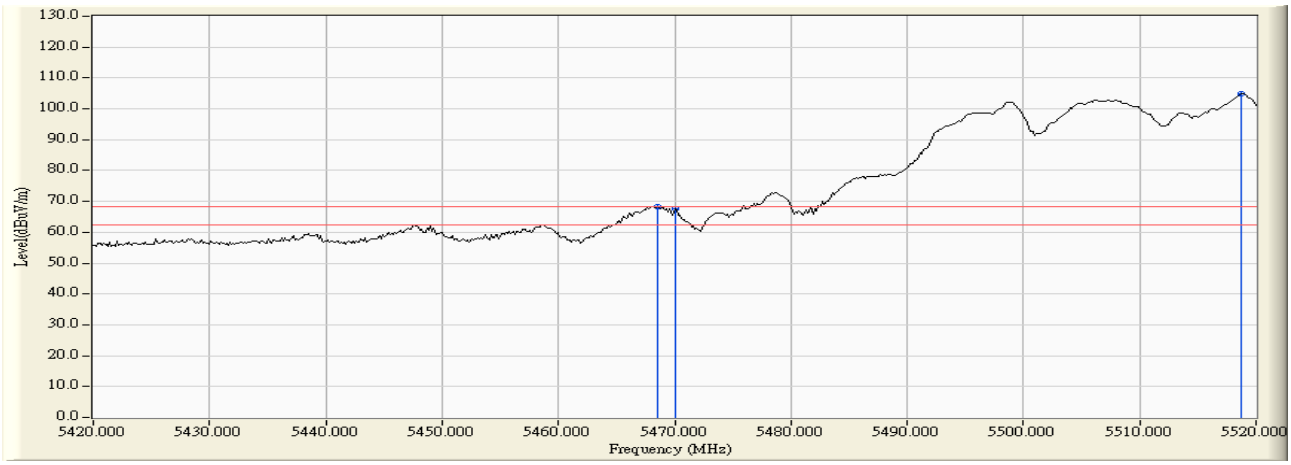


Figure Channel 106: Vertical (Average)



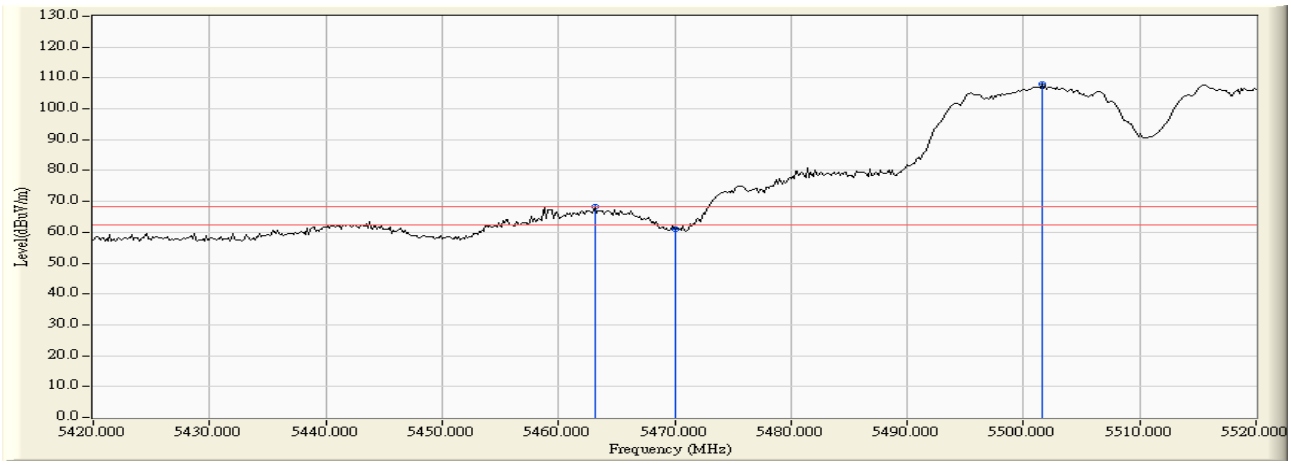
Note:1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. Measurement Level = Reading Level + Correct Factor.
5. The average measurement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

Product : 802.11ac Dual Band Access Point
Test Item : Band Edge Data
Test Site : No.3 OATS
Test Mode : Mode 4: Transmit (802.11ac-80BW-97.5Mbps) -Channel 106



RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Horizontal	5468.551	4.468	63.684	68.152	-0.068	68.220	Pass
Horizontal	5470.000	4.488	63.082	67.570	-0.650	68.220	Pass
Horizontal	5518.696	4.739	100.289	105.028	--	--	--



RF Radiated Measurement:

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBμV)	Measure Level (dBμV /m)	Margin (dB)	Limit (dBμV /m)	Result
Vertical	5463.188	6.063	62.080	68.143	-0.077	68.220	Pass
Vertical	5470.000	6.112	54.795	60.906	-7.314	68.220	Pass
Vertical	5501.594	6.280	101.591	107.871	--	--	--

7. Frequency Stability

7.1. Test Equipment

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
	Spectrum Analyzer	R&S	FSP40 / 100170	Jun., 2015
	Spectrum Analyzer	Agilent	E4407B / US39440758	Jun., 2015
X	Spectrum Analyzer	Agilent	N9010A / MY48030495	Apr., 2015

Note:

1. All equipment is calibrated once a year or as required by manufacturer.
2. All equipment is calibrated to traceable calibration procedures.
3. The test instruments marked by "X" are used to measure the final test results.

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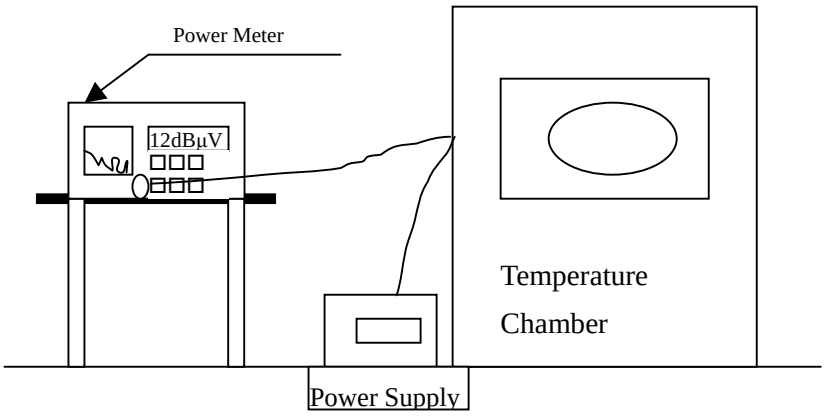
7.2. Test Setup



7.3. Limits

Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified

7.4. Test Procedure

The EUT was setup to ANSI C63.10, 2013; tested to UNII test procedure of FCC KDB-789033 for compliance to FCC 47CFR Subpart E requirements.

7.5. Uncertainty

± 150 Hz

7.6. Test Result of Frequency Stability

Product : 802.11ac Dual Band Access Point
Test Item : Frequency Stability
Test Site : Temperature Chamber
Test Mode : Carrier Wave

Chain A

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
Tmin (20) oC	Vmax (120)V	52	5260.0000	5259.9910	0.0090
		54	5270.0000	5269.9950	0.0050
		60	5300.0000	5299.9940	0.0060
		62	5310.0000	5309.9960	0.0040
		64	5320.0000	5319.9970	0.0030
		100	5500.0000	5499.9930	0.0070
		102	5510.0000	5509.9950	0.0050
		110	5550.0000	5549.9940	0.0060
		116	5580.0000	5579.9970	0.0030
		134	5670.0000	5669.9950	0.0050
		140	5700.0000	5699.9940	0.0060

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
Tmin (50) oC	Vmax (138)V	52	5260.0000	5259.9970	0.0030
		54	5270.0000	5269.9980	0.0020
		60	5300.0000	5299.9960	0.0040
		62	5310.0000	5309.9970	0.0030
		64	5320.0000	5319.9980	0.0020
		100	5500.0000	5499.9980	0.0020
		102	5510.0000	5509.9970	0.0030
		110	5550.0000	5549.9980	0.0020
		116	5580.0000	5579.9960	0.0040
		134	5670.0000	5669.9970	0.0030
		140	5700.0000	5699.9980	0.0020

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
Tmin (50) oC	Vmax (102)V	52	5260.0000	5259.9970	0.0030
		54	5270.0000	5269.9980	0.0020
		60	5300.0000	5299.9960	0.0040
		62	5310.0000	5309.9970	0.0030
		64	5320.0000	5319.9980	0.0020
		100	5500.0000	5499.9980	0.0020
		102	5510.0000	5509.9970	0.0030
		110	5550.0000	5549.9980	0.0020
		116	5580.0000	5579.9960	0.0040
		134	5670.0000	5669.9970	0.0030
		140	5700.0000	5699.9980	0.0020

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
Tmin (-10) oC	Vmax (138)V	54	5260.0000	5259.9420	0.0580
		60	5270.0000	5269.9350	0.0650
		62	5300.0000	5299.9320	0.0680
		64	5310.0000	5309.9260	0.0740
		100	5320.0000	5319.9280	0.0720
		102	5500.0000	5499.9320	0.0680
		110	5510.0000	5509.9290	0.0710
		116	5550.0000	5549.9180	0.0820
		134	5580.0000	5579.9190	0.0810
		140	5670.0000	5669.9320	0.0680

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
Tmin (-10) oC	Vmax (102)V	52	5260.0000	5259.9420	0.0580
		54	5270.0000	5269.9350	0.0650
		60	5300.0000	5299.9320	0.0680
		62	5310.0000	5309.9260	0.0740
		64	5320.0000	5319.9280	0.0720
		100	5500.0000	5499.9320	0.0680
		102	5510.0000	5509.9290	0.0710
		110	5550.0000	5549.9180	0.0820
		116	5580.0000	5579.9190	0.0810
		134	5670.0000	5669.9320	0.0680
		140	5700.0000	5699.9260	0.0740

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
Tmin (20) oC	Vmax (120)V	58	5290.0000	5289.9940	0.0060
		106	5530.0000	5529.9960	0.0040
		122	5610.0000	5609.9950	0.0050
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
Tmin (50) oC	Vmax (138)V	58	5290.0000	5290.0070	-0.0070
		106	5530.0000	5530.0030	-0.0030
		122	5610.0000	5610.0010	-0.0010
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
Tmin (50) oC	Vmax (102)V	58	5290.0000	5290.0070	-0.0070
		106	5530.0000	5530.0030	-0.0030
		122	5610.0000	5610.0010	-0.0010

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
Tmin (-10) oC	Vmax (138)V	58	5290.0000	5290.0610	-0.0610
		106	5530.0000	5530.0770	-0.0770
		122	5610.0000	5610.0690	-0.0690
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
Tmin (-10) oC	Vmax (102)V	58	5290.0000	5290.0610	-0.0610
		106	5530.0000	5530.0770	-0.0770
		122	5610.0000	5610.0690	-0.0690

Chain B

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
Tmin (20) oC	Vmax (120)V	52	5260.0000	5259.9960	0.0040
		54	5270.0000	5269.9960	0.0040
		60	5300.0000	5299.9980	0.0020
		62	5310.0000	5309.9990	0.0010
		64	5320.0000	5319.9940	0.0060
		100	5500.0000	5499.9930	0.0070
		102	5510.0000	5509.9920	0.0080
		110	5550.0000	5549.9940	0.0060
		116	5580.0000	5579.9990	0.0010
		134	5670.0000	5669.9950	0.0050
		140	5700.0000	5699.9980	0.0020

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
Tmin (50) oC	Vmax (138)V	52	5260.0000	5259.9980	0.0020
		54	5270.0000	5269.9980	0.0020
		60	5300.0000	5299.9970	0.0030
		62	5310.0000	5309.9960	0.0040
		64	5320.0000	5319.9980	0.0020
		100	5500.0000	5499.9970	0.0030
		102	5510.0000	5509.9980	0.0020
		110	5550.0000	5549.9980	0.0020
		116	5580.0000	5579.9970	0.0030
		134	5670.0000	5669.9960	0.0040
		140	5700.0000	5699.9980	0.0020

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
Tmin (50) oC	Vmax (102)V	52	5260.0000	5259.9980	0.0020
		54	5270.0000	5269.9980	0.0020
		60	5300.0000	5299.9970	0.0030
		62	5310.0000	5309.9960	0.0040
		64	5320.0000	5319.9980	0.0020
		100	5500.0000	5499.9970	0.0030
		102	5510.0000	5509.9980	0.0020
		110	5550.0000	5549.9980	0.0020
		116	5580.0000	5579.9970	0.0030
		134	5670.0000	5669.9960	0.0040
		140	5700.0000	5699.9980	0.0020

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
Tmin (-10) oC	Vmax (138)V	52	5260.0000	5259.9260	0.0740
		54	5270.0000	5269.9180	0.0820
		60	5300.0000	5299.9320	0.0680
		62	5310.0000	5309.9280	0.0720
		64	5320.0000	5319.9180	0.0820
		100	5500.0000	5499.9320	0.0680
		102	5510.0000	5509.9420	0.0580
		110	5550.0000	5549.9260	0.0740
		116	5580.0000	5579.9180	0.0820
		134	5670.0000	5669.9320	0.0680
		140	5700.0000	5699.9420	0.0580

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
Tmin (-10) oC	Vmax (102)V	52	5260.0000	5259.9260	0.0740
		54	5270.0000	5269.9180	0.0820
		60	5300.0000	5299.9320	0.0680
		62	5310.0000	5309.9280	0.0720
		64	5320.0000	5319.9180	0.0820
		100	5500.0000	5499.9320	0.0680
		102	5510.0000	5509.9420	0.0580
		110	5550.0000	5549.9260	0.0740
		116	5580.0000	5579.9180	0.0820
		134	5670.0000	5669.9320	0.0680
		140	5700.0000	5699.9420	0.0580

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
Tmin (20) oC	Vmax (120)V	58	5290.0000	5289.9930	0.0070
		106	5530.0000	5529.9950	0.0050
		122	5610.0000	5609.9960	0.0040
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
Tmin (50) oC	Vmax (138)V	58	5290.0000	5290.0060	-0.0060
		106	5530.0000	5530.0070	-0.0070
		122	5610.0000	5610.0080	-0.0080
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
min (50) oC	Vmax (102)V	58	5290.0000	5290.0060	-0.0060
		106	5530.0000	5530.0070	-0.0070
		122	5610.0000	5610.0080	-0.0080

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
Tmin (-10) oC	Vmax (138)V	58	5290.0000	5290.0560	-0.0560
		106	5530.0000	5530.0720	-0.0720
		102	5610.0000	5610.0870	-0.0870
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
Tmin (-10) oC	Vmax (102)V	58	5290.0000	5290.0560	-0.0560
		106	5530.0000	5530.0720	-0.0720
		102	5610.0000	5610.0870	-0.0870

Chain C

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
Tmin (20) oC	Vmax (120)V	52	5260.0000	5259.9960	0.0040
		54	5270.0000	5269.9950	0.0050
		60	5300.0000	5299.9990	0.0010
		62	5310.0000	5309.9950	0.0050
		64	5320.0000	5319.9970	0.0030
		100	5500.0000	5499.9960	0.0040
		102	5510.0000	5509.9920	0.0080
		110	5550.0000	5549.9940	0.0060
		116	5580.0000	5579.9990	0.0010
		134	5670.0000	5669.9960	0.0040
		140	5700.0000	5699.9980	0.0020

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
Tmin (50) oC	Vmax (138)V	52	5260.0000	5259.9990	0.0010
		54	5270.0000	5269.9980	0.0020
		60	5300.0000	5299.9970	0.0030
		62	5310.0000	5309.9980	0.0020
		64	5320.0000	5319.9980	0.0020
		100	5500.0000	5499.9990	0.0010
		102	5510.0000	5509.9990	0.0010
		110	5550.0000	5549.9980	0.0020
		116	5580.0000	5579.9970	0.0030
		134	5670.0000	5669.9980	0.0020
		140	5700.0000	5699.9980	0.0020

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
Tmin (50) oC	Vmax (102)V	52	5260.0000	5259.9990	0.0010
		54	5270.0000	5269.9980	0.0020
		60	5300.0000	5299.9970	0.0030
		62	5310.0000	5309.9980	0.0020
		64	5320.0000	5319.9980	0.0020
		100	5500.0000	5499.9990	0.0010
		102	5510.0000	5509.9990	0.0010
		110	5550.0000	5549.9980	0.0020
		116	5580.0000	5579.9970	0.0030
		134	5670.0000	5669.9980	0.0020
		140	5700.0000	5699.9980	0.0020

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
Tmin (-10) oC	Vmax (138)V	52	5260.0000	5259.9340	0.0660
		54	5270.0000	5269.9180	0.0820
		60	5300.0000	5299.9380	0.0620
		62	5310.0000	5309.9260	0.0740
		64	5320.0000	5319.9320	0.0680
		100	5500.0000	5499.9340	0.0660
		102	5510.0000	5509.9380	0.0620
		110	5550.0000	5549.9230	0.0770
		116	5580.0000	5579.9180	0.0820
		134	5670.0000	5669.9350	0.0650
		140	5700.0000	5699.9260	0.0740

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
Tmin (-10) oC	Vmax (102)V	52	5260.0000	5259.9340	0.0660
		54	5270.0000	5269.9180	0.0820
		60	5300.0000	5299.9380	0.0620
		62	5310.0000	5309.9260	0.0740
		64	5320.0000	5319.9320	0.0680
		100	5500.0000	5499.9340	0.0660
		102	5510.0000	5509.9380	0.0620
		110	5550.0000	5549.9230	0.0770
		116	5580.0000	5579.9180	0.0820
		134	5670.0000	5669.9350	0.0650
		140	5700.0000	5699.9260	0.0740

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
Tmin (20) oC	Vmax (120)V	58	5290.0000	5289.9960	0.0040
		106	5530.0000	5529.9950	0.0050
		122	5610.0000	5609.9940	0.0060
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
Tmin (50) oC	Vmax (138)V	58	5290.0000	5290.0090	-0.0090
		106	5530.0000	5530.0030	-0.0030
		122	5610.0000	5610.0040	-0.0040
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
min (50) oC	Vmax (102)V	58	5290.0000	5290.0090	-0.0090
		106	5530.0000	5530.0030	-0.0030
		122	5610.0000	5610.0040	-0.0040

Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
Tmin (-10) oC	Vmax (138)V	58	5290.0000	5290.0670	-0.0670
		106	5530.0000	5530.0580	-0.0580
		102	5610.0000	5610.0540	-0.0540
Test Conditions		Channel	Frequency (MHz)	Frequency (MHz)	△F (MHz)
Tmin (-10) oC	Vmax (102)V	58	5290.0000	5290.0670	-0.0670
		106	5530.0000	5530.0580	-0.0580
		102	5610.0000	5610.0540	-0.0540

8. EMI Reduction Method During Compliance Testing

No modification was made during testing.