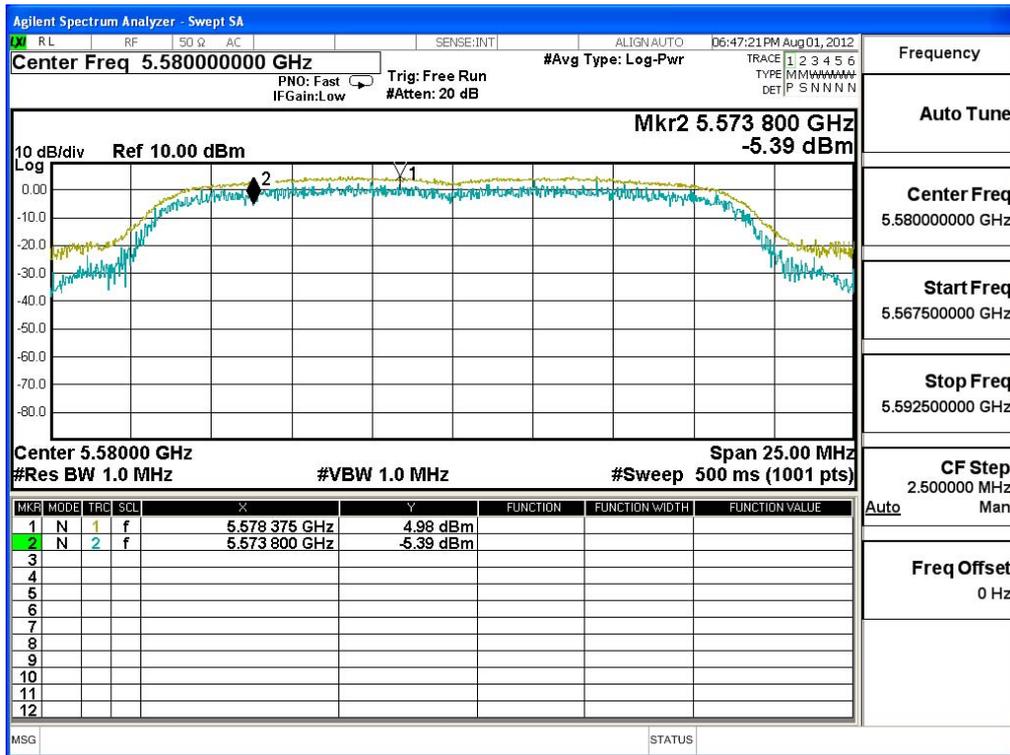
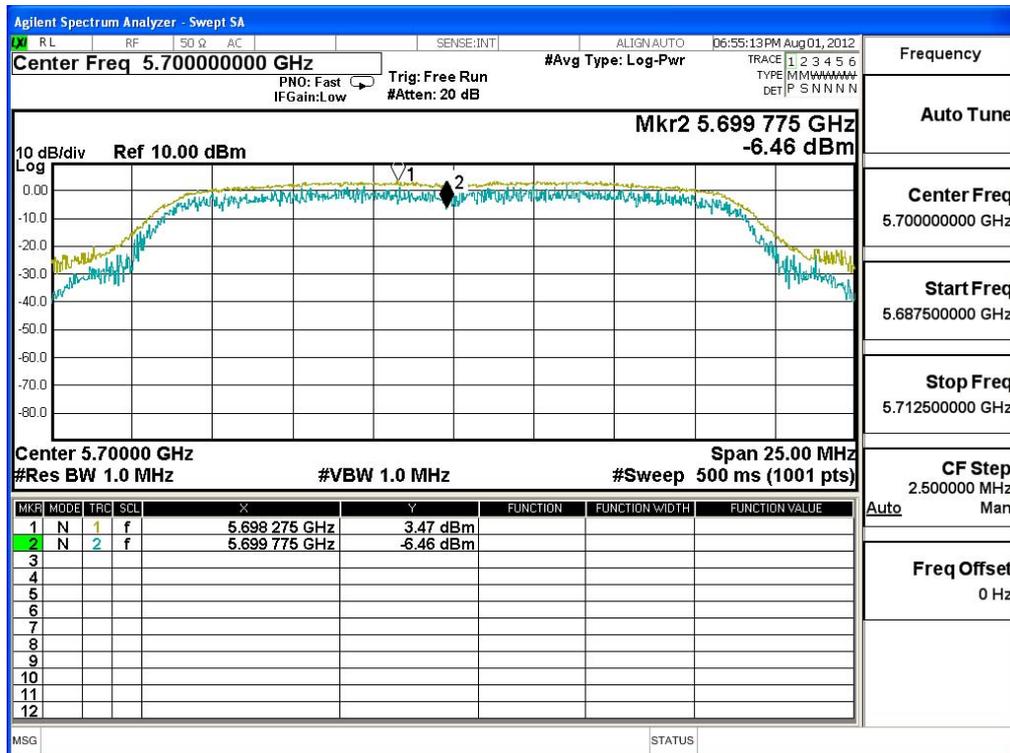


Channel 116:



Channel 140:

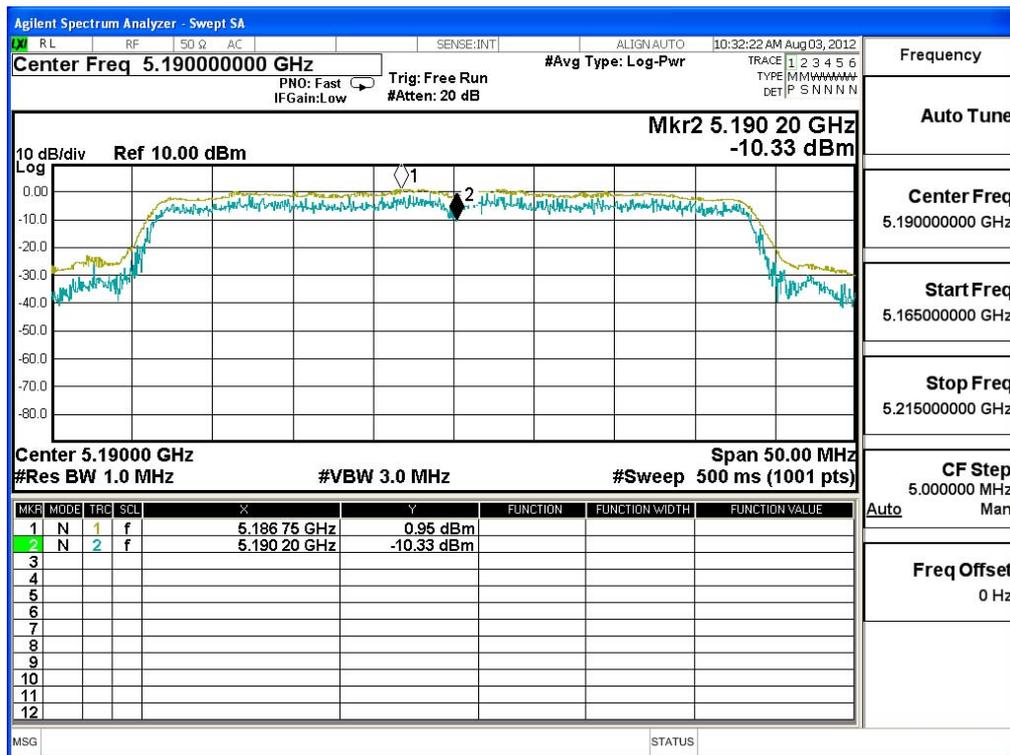


Product : ASUS Tablet
 Test Item : Peak Excursion
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps)

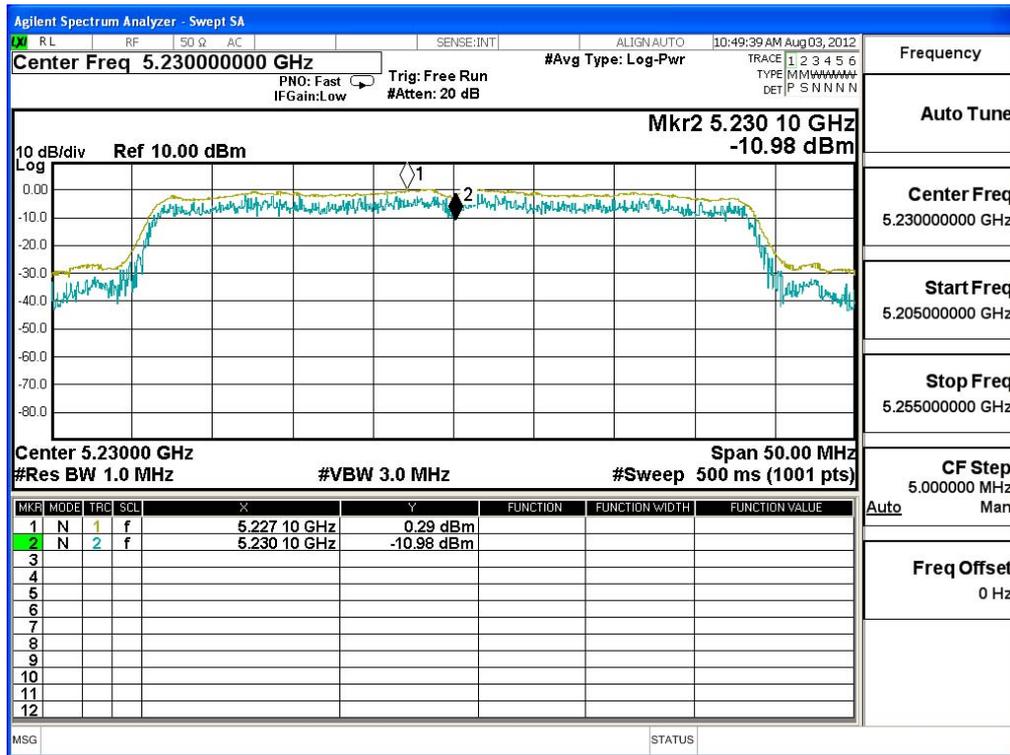
Chain A

Channel No.	Frequency (MHz)	Measurement Level (dB)	Required Limit (dB)	Result
38	5190	11.280	<13	Pass
46	5230	11.260	<13	Pass
54	5270	11.820	<13	Pass
62	5310	10.760	<13	Pass
102	5510	10.260	<13	Pass
110	5550	10.620	<13	Pass
134	5670	10.340	<13	Pass

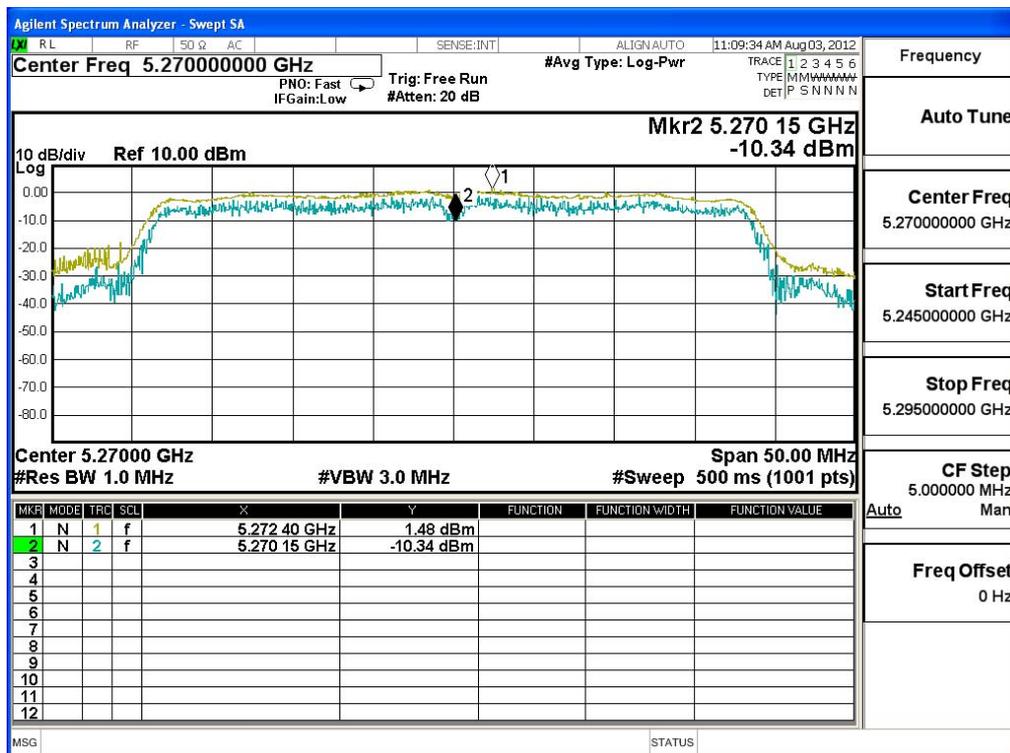
Channel 38:



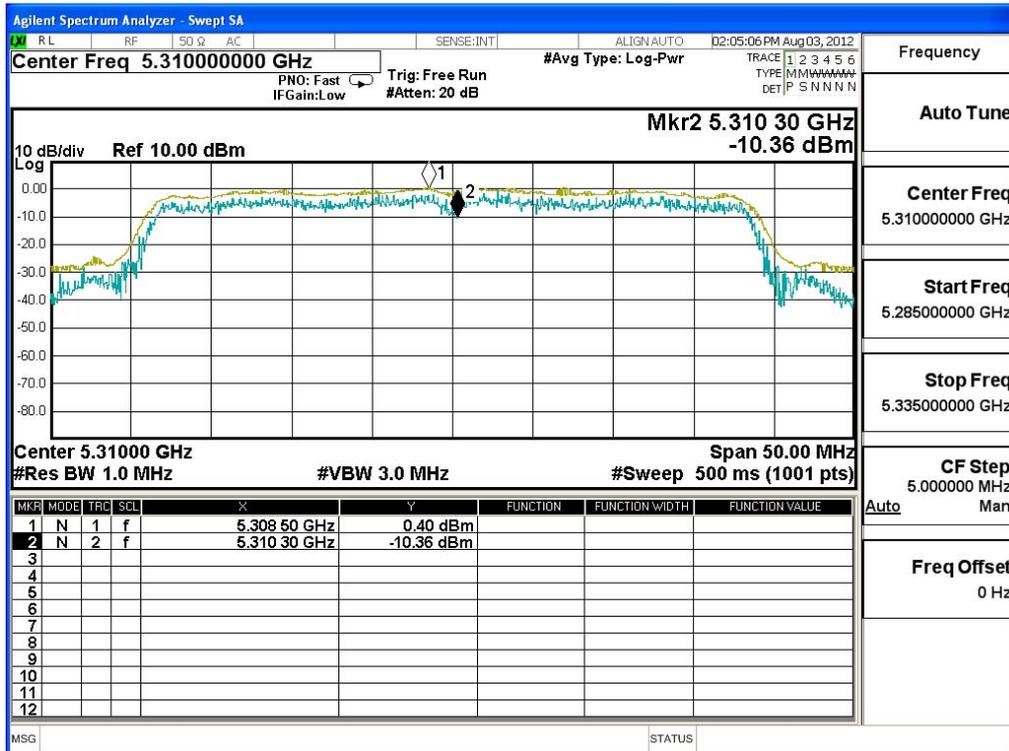
Channel 46:



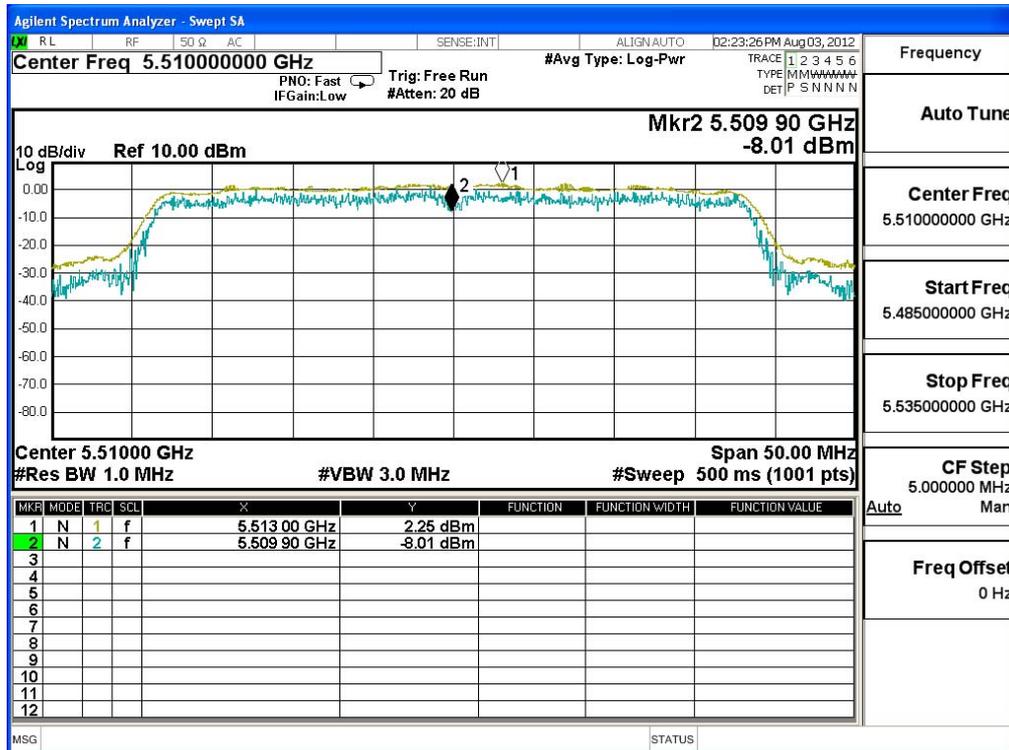
Channel 54:



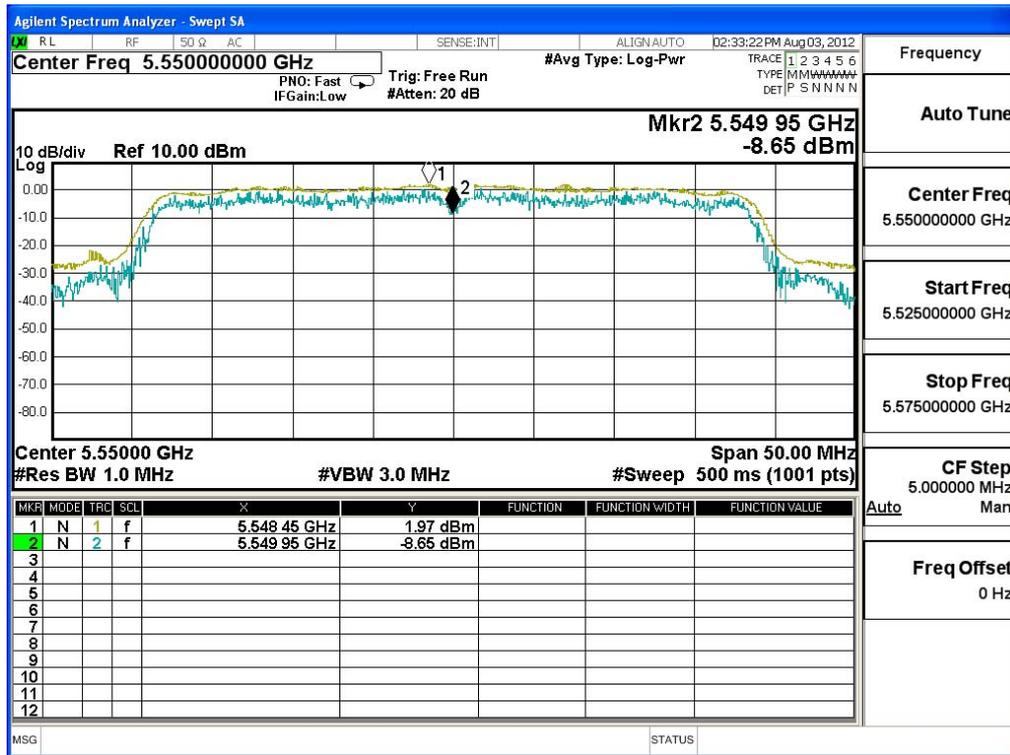
Channel 62:



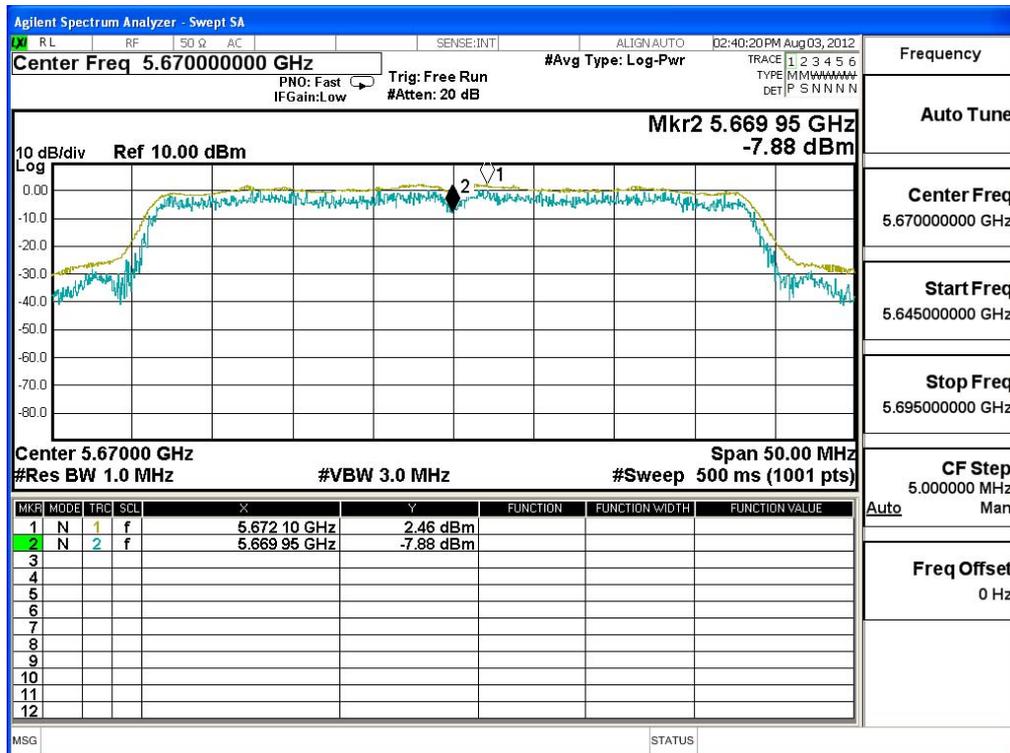
Channel 102:



Channel 110:



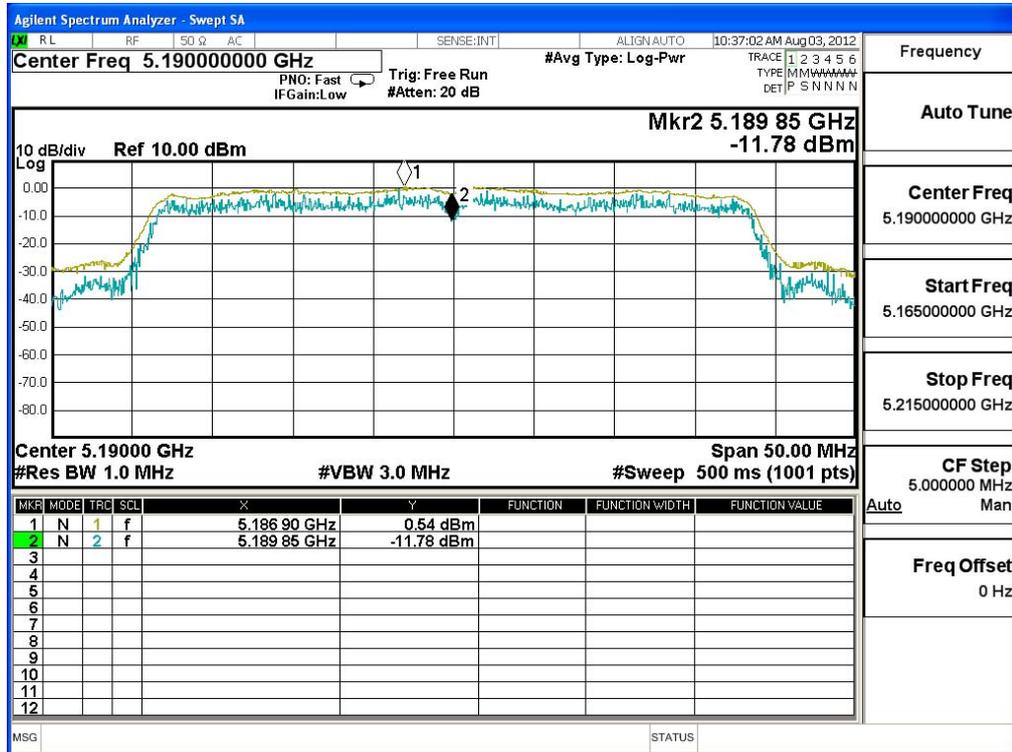
Channel 134:



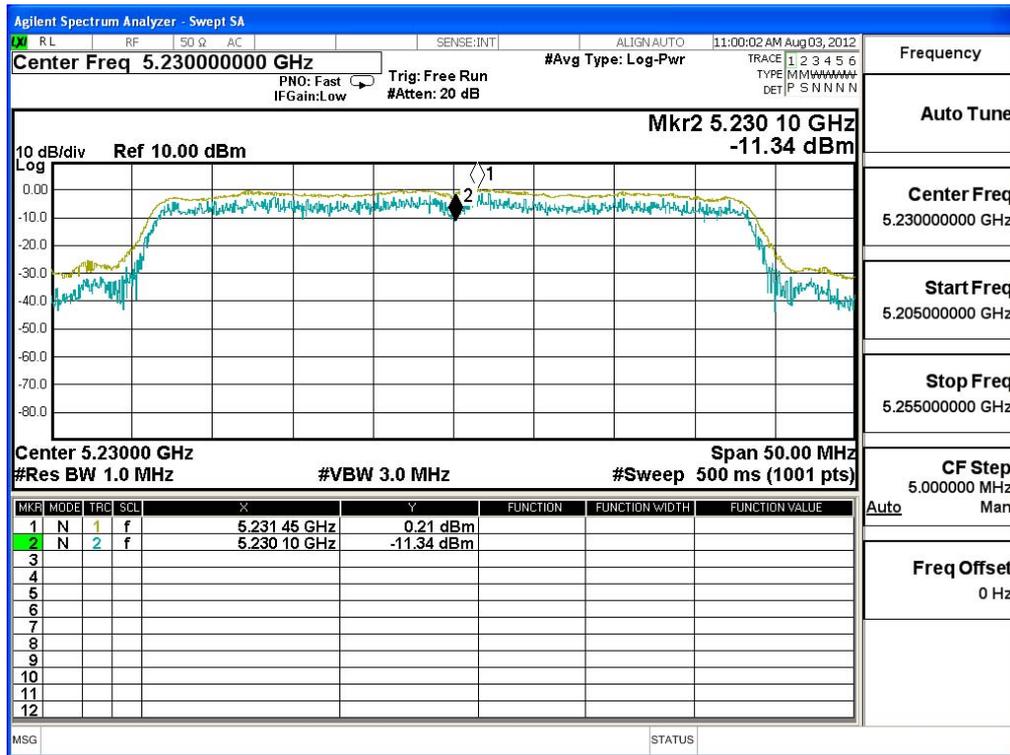
Chain B

Channel No.	Frequency (MHz)	Measurement Level (dB)	Required Limit (dB)	Result
38	5190	12.330	<13	Pass
46	5230	11.550	<13	Pass
54	5270	11.370	<13	Pass
62	5310	10.970	<13	Pass
102	5510	11.940	<13	Pass
110	5550	12.530	<13	Pass
134	5670	11.220	<13	Pass

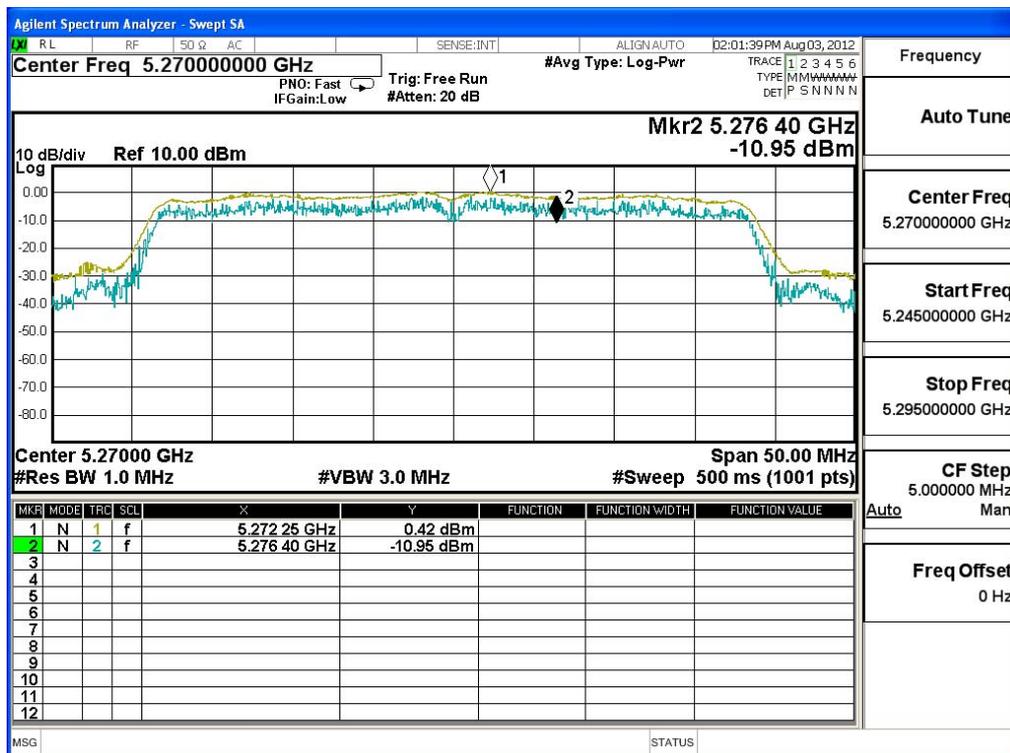
Channel 38:



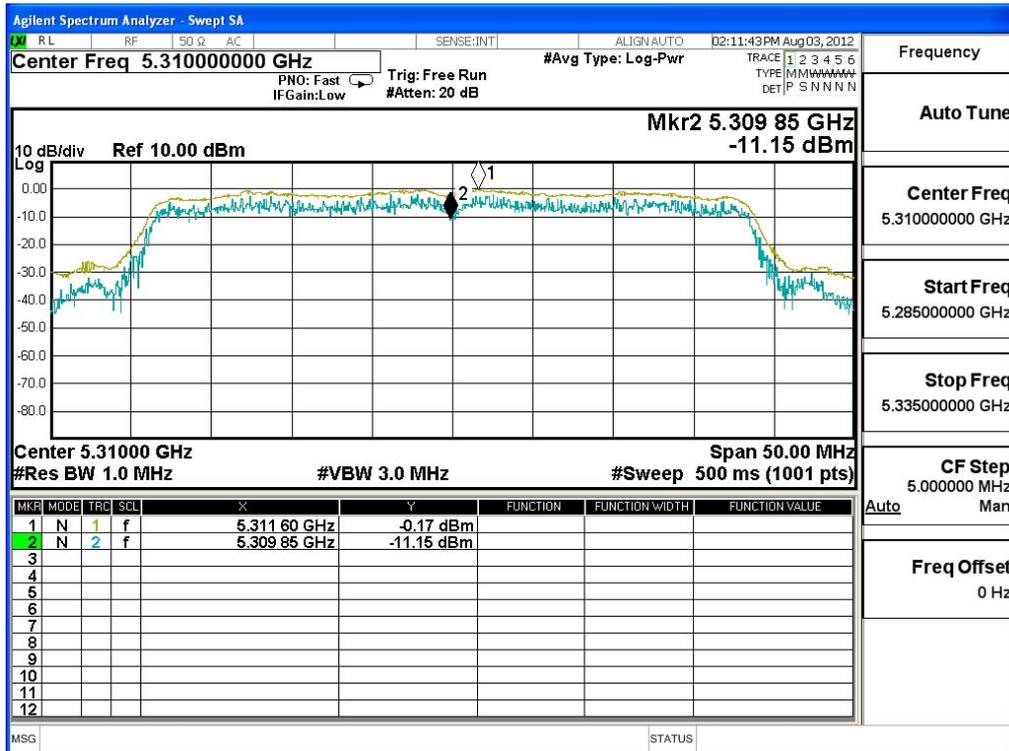
Channel 46:



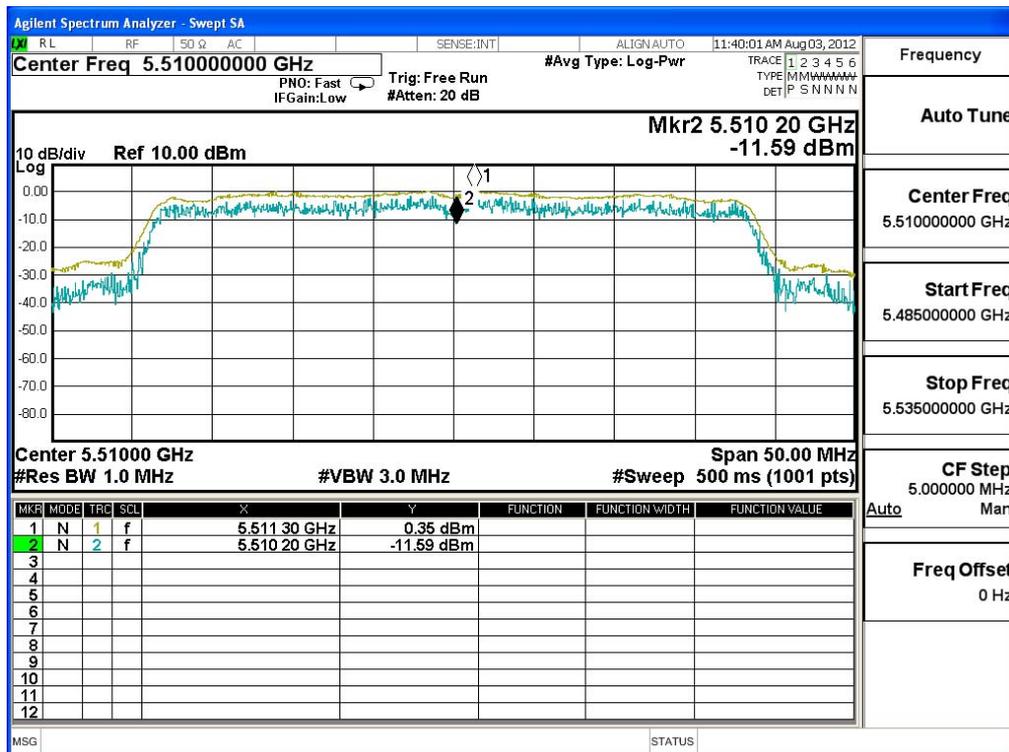
Channel 54:



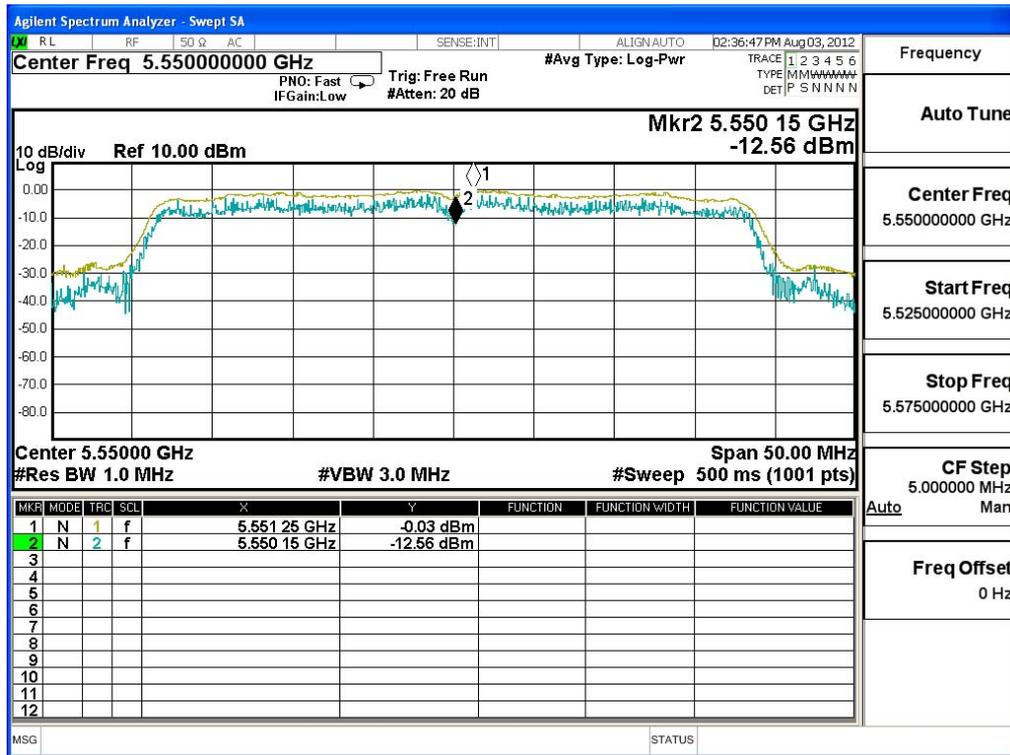
Channel 62:



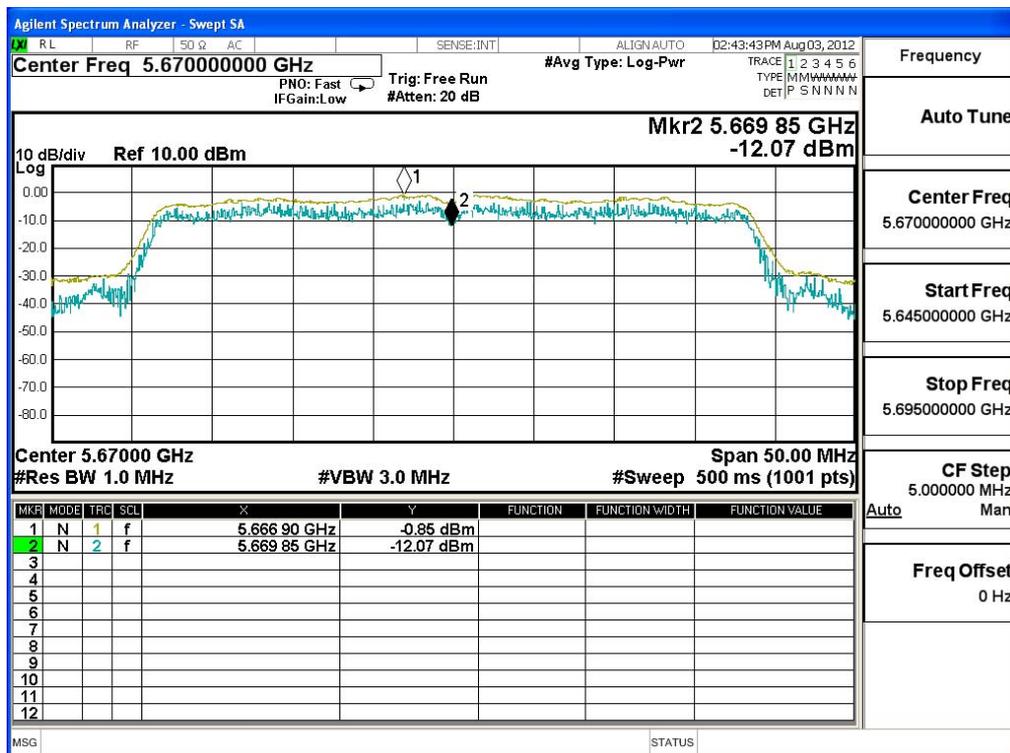
Channel 102:



Channel 118:



Channel 134:



6. Radiated Emission

6.1. Test Equipment

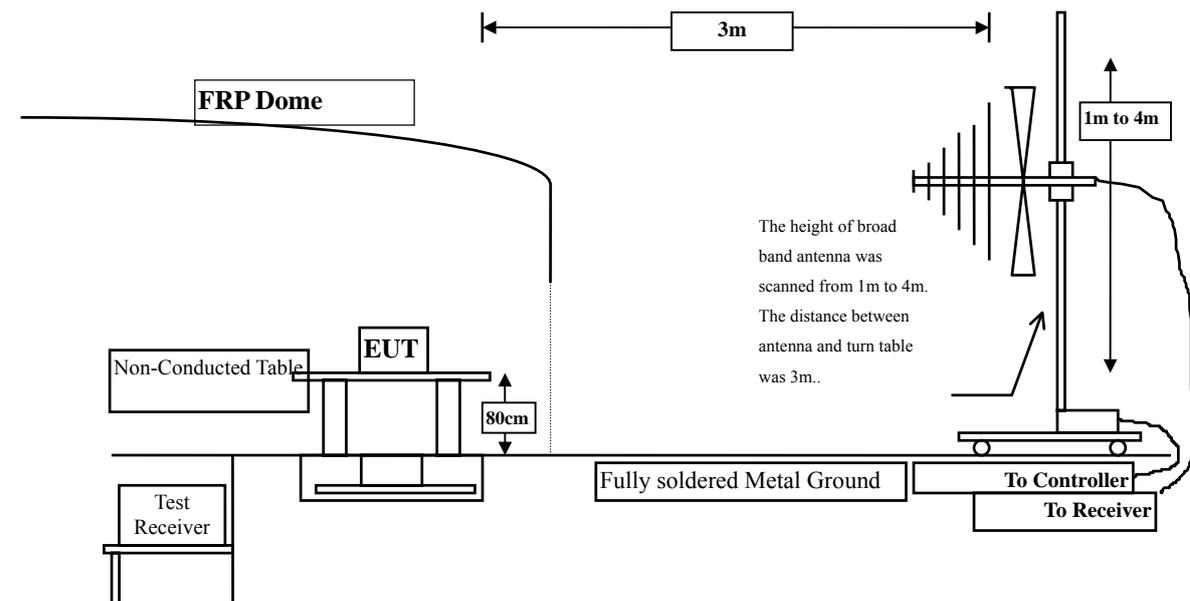
The following test equipments are used during the radiated emission test:

Test Site	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
☒ Site # 3	X Bilog Antenna	Schaffner Chase	CBL6112B/2673	Sep., 2011
	X Horn Antenna	Schwarzbeck	BBHA9120D/D305	Sep., 2011
	X Horn Antenna	Schwarzbeck	BBHA9170/208	Jul., 2012
	X Pre-Amplifier	QTK	QTK-AMP-03 / 0003	May, 2012
	X Pre-Amplifier	QTK	AP-180C / CHM_0906076	Sep., 2011
	X Pre-Amplifier	MITEQ	AMF-4D-180400-45-6P/ 925975	Mar, 2012
	X Spectrum Analyzer	Agilent	E4407B / US39440758	May, 2012
	X Test Receiver	R & S	ESCS 30/ 825442/018	Sep., 2011
	X Coaxial Cable	QuieTek	QTK-CABLE/ CAB5	Feb., 2012
	X Controller	QuieTek	QTK-CONTROLLER/ CTRL3	N/A
	X Coaxial Switch	Anritsu	MP59B/6200265729	N/A

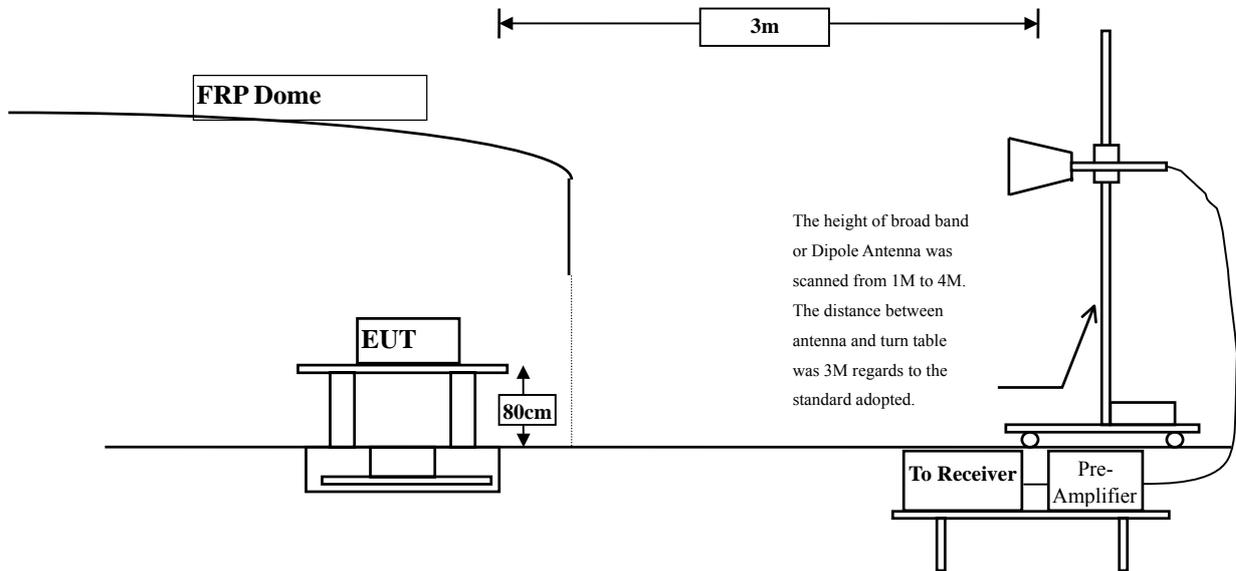
- Note: 1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
 2. The test instruments marked with “X” are used to measure the final test results.

6.2. Test Setup

Radiated Emission Below 1GHz



Radiated Emission Above 1GHz



6.3. 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	uV/m @3m	dBuV/m@3m
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

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

6.4. Test Procedure

The EUT was setup according to ANSI C63.4, 2003 and tested according to FCC KDB-789033 test procedure for compliance to FCC 47CFR 15.407 requirements.

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

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

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

Radiated emission measurements below 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 30MHz - 10th Harmonic of fundamental was investigated.

6.5. Uncertainty

± 3.8 dB below 1GHz

± 3.9 dB above 1GHz

6.6. Test Result of Radiated Emission

Product : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5180MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4748.500	2.785	60.130	62.915	-11.085	74.000
5611.500	4.153	59.080	63.232	-10.768	74.000
10360.000	13.054	37.346	50.400	-23.600	74.000
15540.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
4748.500	2.785	47.880	50.665	-3.335	54.000
5611.500	4.153	46.940	51.092	-2.908	54.000
Vertical					
Peak Detector:					
4748.500	6.423	56.100	62.523	-11.477	74.000
5611.500	5.727	56.170	61.896	-12.104	74.000
10360.000	13.848	37.376	51.224	-22.776	74.000
15540.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
31080.000	*	*	*	*	74.000
36260.000	*	*	*	*	74.000
Average					
Detector:					
4748.500	6.423	44.060	50.483	-3.517	54.000
5611.500	5.727	43.710	49.436	-4.564	54.000

Note:

- All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- Measurement Level = Reading Level + Correct Factor.
- Correct Factor = Antenna factor + Cable loss – Amplifier gain.
- The average measurement was not performed when the peak measured data under the limit of average detection.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5220MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4785.000	3.064	59.770	62.833	-11.167	74.000
5655.000	4.399	60.920	65.319	-8.681	74.000
10440.000	13.462	36.901	50.362	-23.638	74.000
15660.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
Average					
Detector:					
4785.000	3.064	47.450	50.513	-3.487	54.000
5655.000	4.399	48.340	52.739	-1.261	54.000
Vertical					
Peak Detector:					
4785.000	6.495	55.650	62.145	-11.855	74.000
5655.000	5.861	58.540	64.400	-9.600	74.000
10440.000	14.385	36.770	51.155	-22.845	74.000
15660.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
Average					
Detector:					
4785.000	6.495	43.390	49.885	-4.115	54.000
5655.000	5.861	46.330	52.190	-1.810	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.

Product : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5240MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4803.400	3.138	60.390	63.528	-10.472	74.000
5676.800	4.522	59.900	64.422	-9.578	74.000
10480.000	13.813	36.660	50.474	-23.526	74.000
15720.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
Average					
Detector:					
4803.400	3.138	47.950	51.088	-2.912	54.000
5676.800	4.522	47.530	52.052	-1.948	54.000
Vertical					
Peak Detector:					
4803.400	6.452	56.480	62.932	-11.068	74.000
5676.800	5.927	58.030	63.957	-10.043	74.000
10480.000	14.740	35.781	50.521	-23.479	74.000
15720.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
Average					
Detector:					
4803.400	6.452	44.360	50.812	-3.188	54.000
5676.800	5.927	45.550	51.477	-2.523	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.

Product : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5260MHz)

Frequency MHz	Correct Factor dB	Reading Level dBUV	Measurement Level dBUV/m	Margin dB	Limit dBUV/m
Horizontal					
Peak Detector:					
4821.800	3.101	59.790	62.891	-11.109	74.000
5698.400	4.623	60.570	65.193	-8.807	74.000
10520.000	14.115	37.170	51.285	-22.715	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	74.000
Average					
Detector:					
4821.800	3.101	47.380	50.481	-3.519	54.000
5698.400	4.623	48.200	52.823	-1.177	54.000
Vertical					
Peak Detector:					
4821.800	6.279	54.850	61.129	-12.871	74.000
5698.400	5.981	59.610	65.590	-8.410	74.000
10520.000	14.918	35.950	50.868	-23.132	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	74.000
Average					
Detector:					
4821.800	6.279	42.390	48.669	-5.331	54.000
5698.400	5.981	47.030	53.010	-0.990	54.000

Note:

- All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- Measurement Level = Reading Level + Correct Factor.
- Correct Factor = Antenna factor + Cable loss – Amplifier gain.
- The average measurement was not performed when the peak measured data under the limit of average detection.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5300MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4858.400	2.973	60.820	63.793	-10.207	74.000
5741.800	4.657	59.630	64.286	-9.714	74.000
10600.000	14.616	35.394	50.009	-23.991	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	74.000
Average					
Detector:					
4858.400	2.973	48.190	51.163	-2.837	54.000
5741.800	4.657	47.400	52.056	-1.944	54.000
Vertical					
Peak Detector:					
4858.400	5.867	56.170	62.037	-11.963	74.000
5741.800	5.991	58.130	64.120	-9.880	74.000
10600.000	14.947	35.062	50.009	-23.991	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	74.000
Average					
Detector:					
4858.400	5.867	43.930	49.797	-4.203	54.000
5741.800	5.991	45.970	51.960	-2.040	54.000

Note:

- All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- Measurement Level = Reading Level + Correct Factor.
- Correct Factor = Antenna factor + Cable loss – Amplifier gain.
- The average measurement was not performed when the peak measured data under the limit of average detection.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5320MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4876.800	2.908	60.800	63.707	-10.293	74.000
5763.400	4.660	59.060	63.720	-10.280	74.000
10640.000	14.790	36.320	51.110	-22.890	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	74.000
Average					
Detector:					
4876.800	2.908	48.330	51.237	-2.763	54.000
5763.400	4.660	46.940	51.600	-2.400	54.000
Vertical					
Peak Detector:					
4876.600	5.662	55.640	61.302	-12.698	74.000
5763.400	5.985	58.260	64.245	-9.755	74.000
10640.000	15.183	36.240	51.423	-22.577	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	74.000
Average					
Detector:					
4876.600	5.662	43.740	49.402	-4.598	54.000
5763.400	5.985	45.770	51.755	-2.245	54.000

Note:

- All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- Measurement Level = Reading Level + Correct Factor.
- Correct Factor = Antenna factor + Cable loss – Amplifier gain.
- The average measurement was not performed when the peak measured data under the limit of average detection.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5500MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
5092.700	3.452	61.160	64.611	-9.389	74.000
5907.600	5.255	58.800	64.054	-9.946	74.000
11000.000	16.156	36.203	52.359	-21.641	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	74.000
Average					
Detector:					
5092.700	3.452	48.800	52.251	-1.749	54.000
5907.600	5.255	46.260	51.514	-2.486	54.000
Vertical					
Peak Detector:					
5092.600	5.156	60.020	65.176	-8.824	74.000
5907.600	6.096	58.800	64.896	-9.104	74.000
11000.000	16.889	36.023	52.912	-21.088	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	74.000
Average					
Detector:					
5092.600	5.156	46.860	52.016	-1.984	54.000
5907.600	6.096	46.010	52.106	-1.894	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.

Product : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5580MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
5166.700	3.283	57.710	60.992	-13.008	74.000
5993.400	5.252	56.090	61.342	-12.658	74.000
11160.000	16.844	34.481	51.325	-22.675	74.000
16800.000	*	*	*	*	74.000
22400.000	*	*	*	*	74.000
28000.000	*	*	*	*	74.000
Average					
Detector:					
5166.700	3.283	45.560	48.842	-5.158	54.000
5993.400	5.252	43.930	49.182	-4.818	54.000
Vertical					
Peak Detector:					
5166.700	5.307	57.020	62.327	-11.673	74.000
5993.400	6.128	56.860	62.988	-11.012	74.000
11160.000	17.823	34.540	52.363	-21.637	74.000
16800.000	*	*	*	*	74.000
22400.000	*	*	*	*	74.000
28000.000	*	*	*	*	74.000
Average					
Detector:					
5166.700	5.307	44.760	50.067	-3.933	54.000
5993.400	6.128	44.320	50.448	-3.552	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.

Product : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5700MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
5277.800	3.718	54.790	58.508	-15.492	74.000
6122.200	5.868	57.760	63.627	-10.373	74.000
11400.000	16.623	35.067	51.691	-22.309	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	74.000
Average					
Detector:					
5277.800	3.718	42.770	46.488	-7.512	54.000
6122.200	5.868	45.480	51.347	-2.653	54.000
Vertical					
Peak Detector:					
5277.800	5.675	51.950	57.625	-16.375	74.000
6122.200	7.088	55.250	62.338	-11.662	74.000
11400.000	17.231	34.496	51.728	-22.272	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	74.000
Average					
Detector:					
5277.800	5.675	39.650	45.325	-8.675	54.000
6122.200	7.088	42.600	49.688	-4.312	54.000

Note:

- All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- Measurement Level = Reading Level + Correct Factor.
- Correct Factor = Antenna factor + Cable loss – Amplifier gain.
- The average measurement was not performed when the peak measured data under the limit of average detection.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5180MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4748.500	2.785	60.170	62.955	-11.045	74.000
5611.500	4.153	58.050	62.202	-11.798	74.000
10360.000	13.054	36.906	49.960	-24.040	74.000
15540.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
Average					
Detector:					
4748.500	2.785	45.090	47.875	-6.125	54.000
5611.500	4.153	43.820	47.972	-6.028	54.000
Vertical					
Peak Detector:					
4748.500	6.423	59.140	65.563	-8.437	74.000
5611.700	5.727	54.910	60.637	-13.363	74.000
10360.000	13.848	36.600	50.448	-23.552	74.000
15540.000	*	*	*	*	74.000
20720.000	*	*	*	*	74.000
25900.000	*	*	*	*	74.000
Average					
Detector:					
4748.500	6.423	44.460	50.883	-3.117	54.000
5611.700	5.727	41.540	47.267	-6.733	54.000

Note:

- All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- Measurement Level = Reading Level + Correct Factor.
- Correct Factor = Antenna factor + Cable loss – Amplifier gain.
- The average measurement was not performed when the peak measured data under the limit of average detection.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5220MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4785.000	3.064	60.040	63.103	-10.897	74.000
5655.000	4.399	60.230	64.629	-9.371	74.000
10440.000	13.462	37.450	50.911	-23.089	74.000
15660.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
Average					
Detector:					
4785.000	3.064	44.840	47.903	-6.097	54.000
5655.000	4.399	46.180	50.579	-3.421	54.000
Vertical					
Peak Detector:					
4785.000	6.495	59.000	65.495	-8.505	74.000
5655.000	5.861	57.840	63.700	-10.300	74.000
10440.000	14.385	36.680	51.065	-22.935	74.000
15660.000	*	*	*	*	74.000
20880.000	*	*	*	*	74.000
26100.000	*	*	*	*	74.000
Average					
Detector:					
4785.000	6.495	44.350	50.845	-3.155	54.000
5655.000	5.861	43.520	49.380	-4.620	54.000

Note:

- All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- Measurement Level = Reading Level + Correct Factor.
- Correct Factor = Antenna factor + Cable loss – Amplifier gain.
- The average measurement was not performed when the peak measured data under the limit of average detection.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5240MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4803.400	3.138	60.540	63.678	-10.322	74.000
5676.600	4.521	59.780	64.301	-9.699	74.000
10480.000	13.813	36.370	50.184	-23.816	74.000
15720.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
Average					
Detector:					
4803.400	3.138	45.430	48.568	-5.432	54.000
5676.600	4.521	45.580	50.101	-3.899	54.000
Vertical					
Peak Detector:					
4803.400	6.452	59.480	65.932	-8.068	74.000
5676.600	5.926	58.180	64.106	-9.894	74.000
10480.000	14.740	36.381	51.121	-22.879	74.000
15720.000	*	*	*	*	74.000
20960.000	*	*	*	*	74.000
26200.000	*	*	*	*	74.000
Average					
Detector:					
4803.400	6.452	45.070	51.522	-2.478	54.000
5676.600	5.926	44.340	50.266	-3.734	54.000

Note:

- All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- Measurement Level = Reading Level + Correct Factor.
- Correct Factor = Antenna factor + Cable loss – Amplifier gain.
- The average measurement was not performed when the peak measured data under the limit of average detection.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5260MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4821.800	3.101	58.330	61.431	-12.569	74.000
5698.400	4.623	58.780	63.403	-10.597	74.000
10520.000	14.115	36.020	50.135	-23.865	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	74.000
Average					
Detector:					
4821.800	3.101	44.030	47.131	-6.869	54.000
5698.400	4.623	45.080	49.703	-4.297	54.000
Vertical					
Peak Detector:					
4821.800	6.279	57.930	64.209	-9.791	74.000
5698.400	5.981	58.500	64.480	-9.520	74.000
10520.000	14.918	36.490	51.408	-22.592	74.000
15780.000	*	*	*	*	74.000
21040.000	*	*	*	*	74.000
26300.000	*	*	*	*	74.000
Average					
Detector:					
4821.800	6.279	43.480	49.759	-4.241	54.000
5698.400	5.981	44.750	50.730	-3.270	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.

Product : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5300MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4860.000	2.967	62.060	65.027	-8.973	74.000
5740.000	4.656	58.930	63.586	-10.414	74.000
10600.000	14.616	36.124	50.739	-23.261	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	74.000
Average					
Detector:					
4860.000	2.967	47.450	50.417	-3.583	54.000
5740.000	4.656	46.010	50.666	-3.334	54.000
Vertical					
Peak Detector:					
4860.000	5.848	57.430	63.279	-10.721	74.000
5740.000	5.990	58.420	64.410	-9.590	74.000
10600.000	14.947	35.733	50.680	-23.320	74.000
15900.000	*	*	*	*	74.000
21200.000	*	*	*	*	74.000
26500.000	*	*	*	*	74.000
Average					
Detector:					
4860.000	5.848	45.560	51.409	-2.591	54.000
5740.000	5.990	44.590	50.580	-3.420	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.

Product : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5320MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4860.000	2.967	56.980	59.947	-14.053	74.000
5767.000	4.660	55.850	60.510	-13.490	74.000
10640.000	14.790	36.180	50.970	-23.030	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	74.000
Average					
Detector:					
4860.000	2.967	47.560	50.527	-3.473	54.000
5766.000	4.660	43.560	48.220	-5.780	54.000
Vertical					
Peak Detector:					
4860.000	5.848	57.660	63.509	-10.491	74.000
5770.000	5.984	54.830	60.813	-13.187	74.000
10640.000	15.183	35.780	50.963	-23.037	74.000
15960.000	*	*	*	*	74.000
21280.000	*	*	*	*	74.000
26600.000	*	*	*	*	74.000
Average					
Detector:					
4860.000	5.848	46.590	52.438	-1.562	54.000
5770.000	5.984	45.560	51.544	-2.456	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.

Product : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5500MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
5090.000	3.428	62.210	65.638	-8.362	74.000
5910.000	6.097	57.130	63.227	9.227	54.000
11000.000	16.156	36.963	53.119	-20.881	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	74.000
Average					
Detector:					
5090.000	3.428	45.580	49.008	-4.992	54.000
5910.000	5.257	45.650	50.907	-3.093	54.000
Vertical					
Peak Detector:					
5090.000	5.168	62.280	67.448	-6.552	74.000
5910.000	6.097	56.590	62.687	-11.313	74.000
11000.000	16.889	35.963	52.852	-21.148	74.000
16500.000	*	*	*	*	74.000
22000.000	*	*	*	*	74.000
27500.000	*	*	*	*	74.000
Average					
Detector:					
5090.000	5.168	47.120	52.288	-1.712	54.000
5910.000	6.097	45.560	51.657	-2.343	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.

Product : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5580MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
5160.000	5.288	61.850	67.138	13.138	54.000
5990.000	6.127	55.600	61.727	7.727	54.000
11160.000	16.844	35.521	52.365	-21.635	74.000
16800.000	*	*	*	*	74.000
22400.000	*	*	*	*	74.000
28000.000	*	*	*	*	74.000
Average					
Detector:					
5160.000	3.305	45.590	48.896	-5.104	54.000
5990.000	5.253	43.560	48.813	-5.187	54.000
Vertical					
Peak Detector:					
5160.000	5.288	63.110	68.398	-5.602	74.000
5990.000	6.127	57.100	63.227	-10.773	74.000
11160.000	17.823	34.840	52.663	-21.337	74.000
16800.000	*	*	*	*	74.000
22400.000	*	*	*	*	74.000
28000.000	*	*	*	*	74.000
Average					
Detector:					
5160.000	5.288	45.890	51.178	-2.822	54.000
5990.000	6.127	44.120	50.247	-3.753	54.000

Note:

- All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- Measurement Level = Reading Level + Correct Factor.
- Correct Factor = Antenna factor + Cable loss – Amplifier gain.
- The average measurement was not performed when the peak measured data under the limit of average detection.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5700MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
5270.000	3.662	58.640	62.302	-11.698	74.000
6120.000	5.876	56.750	62.626	-11.374	74.000
11400.000	16.623	35.507	52.131	-21.869	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	74.000
Average					
Detector:					
5270.000	3.662	45.260	48.922	-5.078	54.000
6120.000	5.876	45.650	51.526	-2.474	54.000
Vertical					
Peak Detector:					
5270.000	5.647	56.720	62.367	-11.633	74.000
6120.000	7.071	56.200	63.271	-10.729	74.000
11400.000	17.231	34.886	52.118	-21.882	74.000
17100.000	*	*	*	*	74.000
22800.000	*	*	*	*	74.000
28500.000	*	*	*	*	74.000
Average					
Detector:					
5270.000	5.647	44.560	50.207	-3.793	54.000
6120.000	7.071	44.560	51.631	-2.369	54.000

Note:

- All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- Measurement Level = Reading Level + Correct Factor.
- Correct Factor = Antenna factor + Cable loss – Amplifier gain.
- The average measurement was not performed when the peak measured data under the limit of average detection.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5190MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4757.500	2.853	50.820	53.673	-20.327	74.000
5622.500	4.213	51.500	55.714	-18.286	74.000
10380.000	13.081	38.150	51.231	-22.769	74.000
15570.000	*	*	*	*	74.000
20760.000	*	*	*	*	74.000
25950.000	*	*	*	*	74.000
Average					
Detector:					
5622.500	4.213	37.170	41.384	-12.616	54.000
Vertical					
Peak Detector:					
4757.500	6.440	50.830	57.270	-16.730	74.000
5622.500	5.759	50.050	55.810	-18.190	74.000
10380.000	13.938	38.160	52.098	-21.902	74.000
15570.000	*	*	*	*	74.000
20760.000	*	*	*	*	74.000
25950.000	*	*	*	*	74.000
Average					
Detector:					
4757.500	6.440	36.110	42.550	-11.450	54.000
5622.500	5.759	36.300	42.060	-11.940	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.

Product : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5230MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4794.000	3.116	52.860	55.976	-18.024	74.000
5666.000	4.461	52.230	56.691	-17.309	74.000
10460.000	13.638	36.560	50.198	-23.802	74.000
15690.000	*	*	*	*	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	74.000
Average					
Detector:					
4794.000	3.116	37.950	41.066	-12.934	54.000
5666.000	4.461	37.480	41.941	-12.059	54.000
Vertical					
Peak Detector:					
4794.000	6.493	51.070	57.563	-16.437	74.000
5666.000	5.894	50.200	56.094	-17.906	74.000
10460.000	14.563	37.560	52.123	-21.877	74.000
15690.000	*	*	*	*	74.000
20920.000	*	*	*	*	74.000
26150.000	*	*	*	*	74.000
Average					
Detector:					
4794.000	6.493	35.220	41.713	-12.287	54.000
5666.000	5.894	36.480	42.374	-11.626	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.

Product : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5270MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4831.000	3.069	51.930	54.999	-19.001	74.000
5709.000	4.651	51.770	56.421	-17.579	74.000
10540.000	14.241	35.560	49.801	-24.199	74.000
15810.000	*	*	*	*	74.000
21080.000	*	*	*	*	74.000
26350.000	*	*	*	*	74.000
Average					
Detector:					
4831.000	3.069	37.030	40.099	-13.901	54.000
5709.000	4.651	37.220	41.871	-12.129	54.000
Vertical					
Peak Detector:					
4831.000	6.176	50.490	56.666	-17.334	74.000
5709.000	5.995	50.030	56.025	-17.975	74.000
10540.000	14.919	35.560	50.479	-23.521	74.000
15810.000	*	*	*	*	74.000
21080.000	*	*	*	*	74.000
26350.000	*	*	*	*	74.000
Average					
Detector:					
4831.000	6.176	36.000	42.176	-11.824	54.000
5709.000	5.995	36.120	42.115	-11.885	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.

Product : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5310MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
4867.500	2.941	51.940	54.881	-19.119	74.000
5752.500	4.657	50.890	55.548	-18.452	74.000
10620.000	14.703	36.560	51.263	-22.737	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	74.000
Average					
Detector:					
4867.500	2.941	37.660	40.601	-13.399	54.000
5725.500	4.654	36.560	41.214	-12.786	54.000
Vertical					
Peak Detector:					
4867.500	5.764	50.830	56.595	-17.405	74.000
5752.500	5.987	49.540	55.527	-18.473	74.000
10620.000	15.050	34.560	49.610	-24.390	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	74.000
Average					
Detector:					
4867.500	5.764	36.490	42.255	-11.745	54.000
5752.500	5.987	35.600	41.587	-12.413	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.

Product : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5510MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
5101.500	3.483	55.800	59.283	-14.717	74.000
5918.000	5.261	51.220	56.481	-17.519	74.000
11200.000	16.946	35.560	52.506	-21.494	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	74.000
Average					
Detector:					
5101.500	3.483	40.620	44.103	-9.897	54.000
5918.000	5.261	36.470	41.731	-12.269	54.000
Vertical					
Peak Detector:					
5101.500	5.142	58.220	63.361	-10.639	74.000
5918.000	6.100	49.570	55.670	-18.330	74.000
11200.000	18.016	35.890	53.906	-20.094	74.000
15930.000	*	*	*	*	74.000
21240.000	*	*	*	*	74.000
26550.000	*	*	*	*	74.000
Average					
Detector:					
5101.500	5.142	42.050	47.191	-6.809	54.000
5918.000	6.100	36.030	42.130	-11.870	54.000

Note:

- All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- Measurement Level = Reading Level + Correct Factor.
- Correct Factor = Antenna factor + Cable loss – Amplifier gain.
- The average measurement was not performed when the peak measured data under the limit of average detection.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5550MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
5139.000	3.379	54.930	58.309	-15.691	74.000
5961.000	5.254	51.650	56.905	-17.095	74.000
11100.000	16.696	35.890	52.586	-21.414	74.000
16770.000	*	*	*	*	74.000
22360.000	*	*	*	*	74.000
27950.000	*	*	*	*	74.000
Average					
Detector:					
5139.000	3.379	40.090	43.469	-10.531	54.000
5961.000	5.254	36.740	41.995	-12.005	54.000
Vertical					
Peak Detector:					
5139.000	5.229	57.010	62.240	-11.760	74.000
5961.000	6.115	50.200	56.316	-17.684	74.000
11100.000	17.538	34.740	52.279	-21.721	74.000
16770.000	*	*	*	*	74.000
22360.000	*	*	*	*	74.000
27950.000	*	*	*	*	74.000
Average					
Detector:					
5139.000	5.229	41.310	46.540	-7.460	54.000
5961.000	6.115	36.050	42.166	-11.834	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.

Product : ASUS Tablet
 Test Item : Harmonic Radiated Emission Data
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5670MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Peak Detector:					
5250.000	3.523	53.250	56.773	-17.227	74.000
6090.000	5.883	51.960	57.843	-16.157	74.000
11340.000	16.558	35.780	52.337	-21.663	74.000
17010.000	*	*	*	*	74.000
22680.000	*	*	*	*	74.000
28350.000	*	*	*	*	74.000
Average					
Detector:					
5250.000	3.523	38.380	41.903	-12.097	54.000
6090.000	5.883	37.360	43.243	-10.757	54.000
Vertical					
Peak Detector:					
5250.000	5.578	54.260	59.838	-14.162	74.000
6090.000	6.844	51.020	57.863	-16.137	74.000
11340.000	17.317	35.480	52.797	-21.203	74.000
17010.000	*	*	*	*	74.000
22680.000	*	*	*	*	74.000
28350.000	*	*	*	*	74.000
Average					
Detector:					
5250.000	5.578	39.060	44.638	-9.362	54.000
6090.000	6.844	36.660	43.503	-10.497	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.

Product : ASUS Tablet
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5220MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Quasi-Peak					
Detector					
105.660	-6.673	39.156	32.483	-11.017	43.500
206.540	-11.155	30.571	19.416	-24.084	43.500
299.660	-3.585	26.800	23.215	-22.785	46.000
460.680	1.589	24.971	26.560	-19.440	46.000
629.460	1.560	27.874	29.434	-16.566	46.000
833.160	5.643	27.905	33.547	-12.453	46.000
Vertical					
Quasi-Peak					
Detector					
105.660	-0.253	39.156	38.903	-4.597	43.500
299.660	-6.855	26.800	19.945	-26.055	46.000
530.520	-0.517	25.998	25.481	-20.519	46.000
689.600	2.538	26.111	28.649	-17.351	46.000
817.640	3.272	25.767	29.039	-16.961	46.000
924.340	5.550	26.415	31.965	-14.035	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 + 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 : ASUS Tablet
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5300MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Quasi-Peak					
Detector					
111.480	-7.914	39.424	31.510	-11.990	43.500
258.920	-5.050	26.495	21.445	-24.555	46.000
474.260	0.024	26.175	26.198	-19.802	46.000
644.980	1.552	27.037	28.589	-17.411	46.000
800.180	5.141	25.501	30.642	-15.358	46.000
916.580	6.144	25.501	31.645	-14.355	46.000
Vertical					
Quasi-Peak					
Detector					
105.660	-0.253	39.156	38.903	-4.597	43.500
206.540	-7.705	30.571	22.866	-20.634	43.500
388.900	-3.064	26.042	22.978	-23.022	46.000
518.880	-0.546	25.364	24.818	-21.182	46.000
701.240	0.198	26.190	26.388	-19.612	46.000
887.480	2.544	25.310	27.854	-18.146	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 + 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 : ASUS Tablet
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5580MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Quasi-Peak					
Detector					
97.900	-7.650	35.471	27.820	-15.680	43.500
258.920	-5.050	26.495	21.445	-24.555	46.000
505.300	0.308	24.868	25.176	-20.824	46.000
658.560	2.115	26.204	28.319	-17.681	46.000
813.760	5.098	24.696	29.794	-16.206	46.000
934.040	6.612	24.703	31.315	-14.685	46.000
Vertical					
Quasi-Peak					
Detector					
113.420	-1.849	39.178	37.329	-6.171	43.500
381.140	-1.558	25.716	24.158	-21.842	46.000
526.640	-0.423	24.868	24.445	-21.555	46.000
658.560	-2.985	26.204	23.219	-22.781	46.000
850.620	0.392	24.409	24.801	-21.199	46.000
972.840	4.582	24.480	29.062	-24.938	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.

Product : ASUS Tablet
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5220MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Quasi-Peak					
Detector					
111.480	-7.914	39.424	31.510	-11.990	43.500
258.920	-5.050	26.495	21.445	-24.555	46.000
458.740	0.833	26.111	26.944	-19.056	46.000
644.980	1.552	27.735	29.287	-16.713	46.000
817.640	5.532	25.767	31.299	-14.701	46.000
984.480	7.679	25.348	33.027	-20.973	54.000
Vertical					
Quasi-Peak					
Detector					
105.660	-0.253	39.156	38.903	-4.597	43.500
206.540	-7.705	30.571	22.866	-20.634	43.500
371.440	-2.737	27.517	24.780	-21.220	46.000
530.520	-0.517	25.998	25.481	-20.519	46.000
629.460	-3.720	27.874	24.154	-21.846	46.000
804.060	3.587	25.401	28.988	-17.012	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 + 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 : ASUS Tablet
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5300MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Quasi-Peak					
Detector					
113.420	-8.339	39.178	30.839	-12.661	43.500
344.280	-2.591	26.120	23.530	-22.470	46.000
470.380	1.226	26.509	27.735	-18.265	46.000
658.560	2.115	26.204	28.319	-17.681	46.000
870.020	5.201	24.914	30.115	-15.885	46.000
978.660	6.754	25.439	32.193	-21.807	54.000
Vertical					
Quasi-Peak					
Detector					
101.780	-0.021	36.694	36.672	-6.828	43.500
247.280	-8.042	27.255	19.212	-26.788	46.000
458.740	-3.887	26.111	22.224	-23.776	46.000
676.020	0.041	25.279	25.320	-20.680	46.000
846.740	2.601	26.147	28.748	-17.252	46.000
968.960	8.191	25.186	33.377	-20.623	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.

Product : ASUS Tablet
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5580MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Quasi-Peak					
Detector					
119.240	-9.621	35.728	26.107	-17.393	43.500
293.840	-3.868	26.082	22.215	-23.785	46.000
460.680	1.589	25.883	27.472	-18.528	46.000
524.700	1.801	25.516	27.317	-18.683	46.000
594.540	3.927	25.147	29.074	-16.926	46.000
780.780	4.230	24.914	29.144	-16.856	46.000
974.780	6.652	25.256	31.908	-22.092	54.000
Vertical					
Quasi-Peak					
Detector					
107.600	-0.318	37.351	37.033	-6.467	43.500
307.420	-6.821	27.045	20.224	-25.776	46.000
487.840	-3.132	26.091	22.959	-23.041	46.000
629.460	-3.720	27.874	24.154	-21.846	46.000
786.600	2.972	24.828	27.800	-18.200	46.000
934.040	5.792	24.931	30.723	-15.277	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 + 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 : ASUS Tablet
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5190MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Quasi-Peak					
Detector					
43.580	-4.496	28.824	24.328	-15.672	40.000
241.460	-6.531	27.386	20.855	-25.145	46.000
371.440	-1.097	27.517	26.420	-19.580	46.000
573.200	2.537	28.299	30.836	-15.164	46.000
695.420	3.438	25.636	29.074	-16.926	46.000
835.100	5.185	25.195	30.380	-15.620	46.000
Vertical					
Quasi-Peak					
Detector					
97.900	-1.400	35.471	34.070	-9.430	43.500
206.540	-7.705	30.571	22.866	-20.634	43.500
408.300	-6.606	26.449	19.843	-26.157	46.000
540.220	0.121	25.724	25.845	-20.155	46.000
773.020	2.746	25.013	27.759	-18.241	46.000
916.580	1.524	25.934	27.458	-18.542	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 + 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 : ASUS Tablet
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5270MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Quasi-Peak					
Detector					
97.900	-7.650	35.471	27.820	-15.680	43.500
299.660	-3.585	26.800	23.215	-22.785	46.000
431.580	-2.099	26.443	24.344	-21.656	46.000
573.200	2.537	28.299	30.836	-15.164	46.000
687.660	3.294	26.007	29.301	-16.699	46.000
862.260	5.641	26.252	31.893	-14.107	46.000
Vertical					
Quasi-Peak					
Detector					
105.660	-0.253	39.156	38.903	-4.597	43.500
299.660	-6.855	26.800	19.945	-26.055	46.000
470.380	-4.674	26.509	21.835	-24.165	46.000
660.500	-2.233	25.871	23.638	-22.362	46.000
819.580	3.319	24.604	27.924	-18.076	46.000
998.060	4.176	25.791	29.967	-24.033	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.

Product : ASUS Tablet
 Test Item : General Radiated Emission
 Test Site : No.3 OATS
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5550MHz)

Frequency MHz	Correct Factor dB	Reading Level dBuV	Measurement Level dBuV/m	Margin dB	Limit dBuV/m
Horizontal					
Quasi-Peak					
Detector					
101.780	-7.141	36.693	29.552	-13.948	43.500
299.660	-3.585	26.800	23.215	-22.785	46.000
470.380	1.226	26.509	27.735	-18.265	46.000
594.540	3.927	25.147	29.074	-16.926	46.000
689.600	3.628	26.111	29.739	-16.261	46.000
840.920	5.191	26.272	31.463	-14.537	46.000
Vertical					
Quasi-Peak					
Detector					
105.660	-0.253	39.156	38.903	-4.597	43.500
299.660	-6.855	26.800	19.945	-26.055	46.000
371.440	-2.737	29.271	26.534	-19.466	46.000
530.520	-0.517	25.998	25.481	-20.519	46.000
644.980	-5.098	28.168	23.070	-22.930	46.000
730.340	-0.215	27.281	27.066	-18.934	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 + 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.

7. Band Edge

7.1. Test Equipment

RF Conducted Measurement

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

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

Note:

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

RF Radiated Measurement:

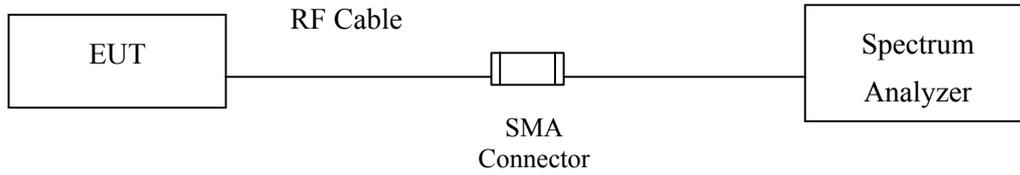
The following test equipments are used during the band edge tests:

Test Site	Equipment	Manufacturer	Model No./Serial No.	Last Cal.	
☒ Site # 3		Bilog Antenna	Schaffner Chase	CBL6112B/2673	Sep., 2011
	X	Horn Antenna	Schwarzbeck	BBHA9120D/D305	Sep., 2011
		Horn Antenna	Schwarzbeck	BBHA9170/208	Jul., 2012
		Pre-Amplifier	QTK	QTK-AMP-03 / 0003	May, 2012
	X	Pre-Amplifier	QTK	AP-180C / CHM_0906076	Sep., 2011
		Pre-Amplifier	MITEQ	AMF-4D-180400-45-6P/ 925975	Mar, 2012
	X	Spectrum Analyzer	Agilent	E4407B / US39440758	May, 2012
		Test Receiver	R & S	ESCS 30/ 825442/018	Sep., 2011
	X	Coaxial Cable	QuieTek	QTK-CABLE/ CAB5	Feb., 2012
	X	Controller	QuieTek	QTK-CONTROLLER/ CTRL3	N/A
	X	Coaxial Switch	Anritsu	MP59B/6200265729	N/A

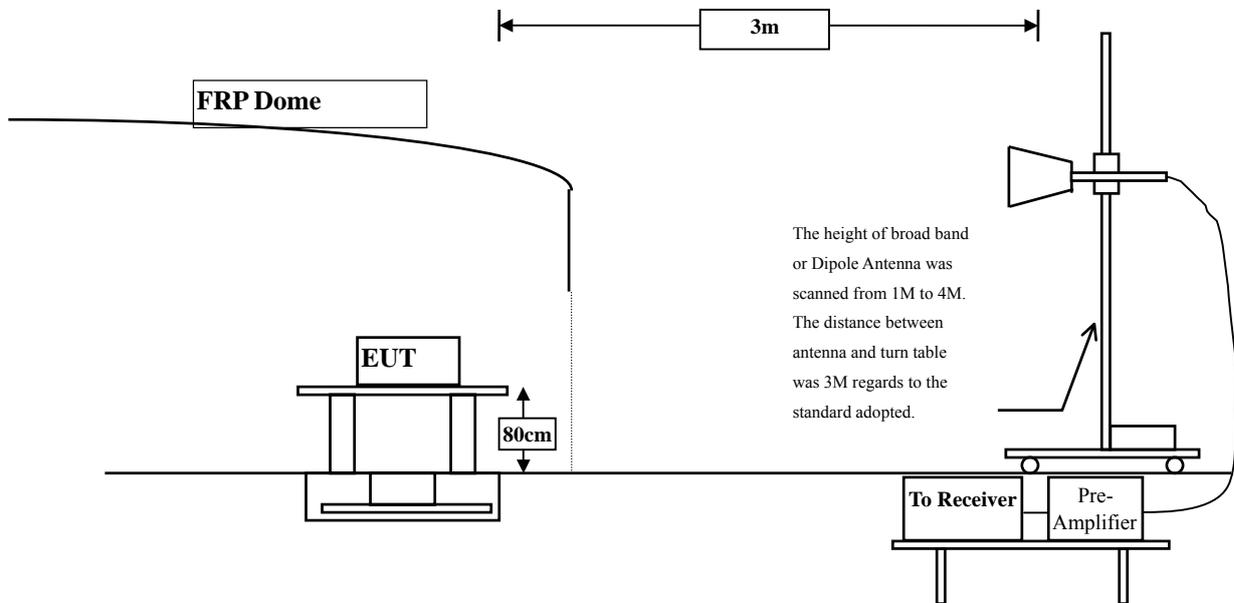
- Note:
1. All instruments are calibrated every one year.
 2. The test instruments marked by "X" are used to measure the final test results.

7.2. Test Setup

RF Conducted Measurement



RF Radiated Measurement:



7.3. 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	dBuV/m@3m
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

- Remarks :
1. RF Voltage (dBuV) = 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.

7.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 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 C63.4:2003 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 C63.4, 2003; tested to DTS test procedure of FCC KDB-789033 for compliance to FCC 47CFR Subpart E requirements.

7.5. Uncertainty

- ± 3.8 dB below 1GHz
- ± 3.9 dB above 1GHz

7.6. Test Result of Band Edge

Product : ASUS Tablet
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps)-Channel 36

Fundamental Filed Strength

Antenna Pole	Frequency [MHz]	Correction Factor [dB/m]	Reading Level [dBuV]	Emission Level [dBuV/m]	Detector
Horizontal	5180	34.966	65.89	100.856	Peak
Horizontal	5180	34.966	53.13	88.096	Average
Vertical	5180	37.073	65.26	102.334	Peak
Vertical	5180	37.073	52.71	89.784	Average

Note: 1:Spectrum Analyzer setting:

Peak detector: RBW=1MHz, VBW=1MHz

Average detector: RBW=1MHz, VBW=10Hz

Band Edge Test Data

Antenna Pole	Test Frequency (MHz)	Fundamental (dBuV/m)	Δ (dB)	Band Edge Field Strength (dBuV/m)	Requiment Limit (dBuV/m)	Detector
Horizontal	5149.6	100.856	36.09	64.766	74.000	Peak
Horizontal	5150	88.096	51.58	36.516	54.000	Average
Vertical	5149.6	102.334	36.09	66.244	74.000	Peak
Vertical	5150	89.784	51.58	38.204	54.000	Average

Note:

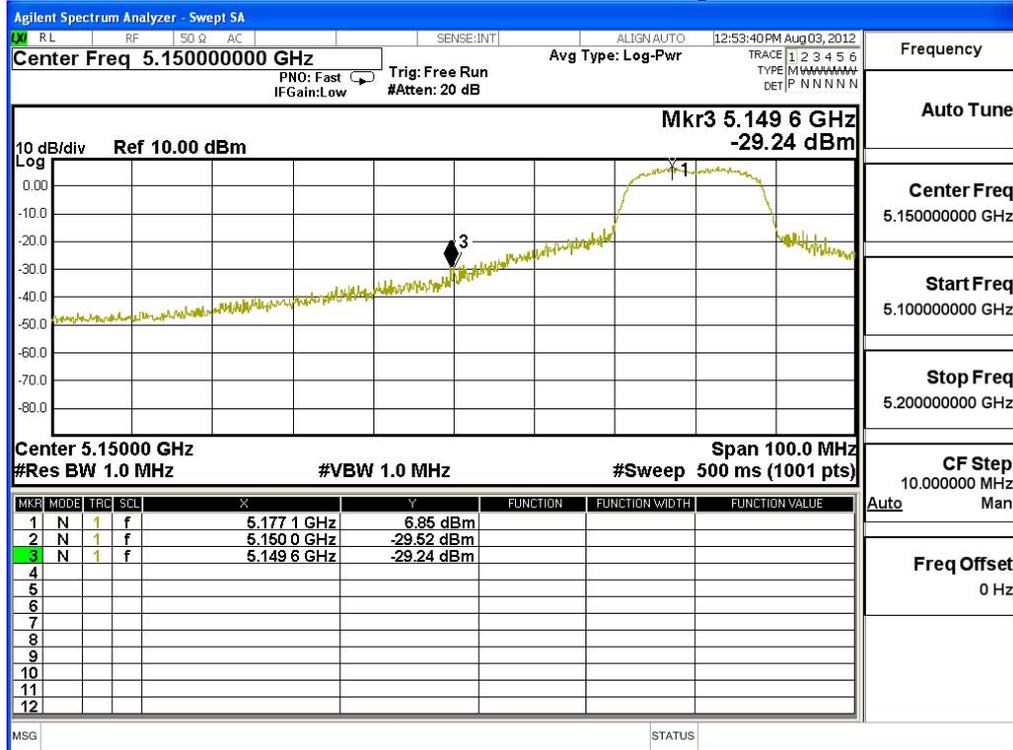
The Band Edge Field Strength was calculated using the Fundamental and Conducted Band Edge measurements per the Marker-Delta Method with the following formula:

Band Edge field Strength = F - Δ

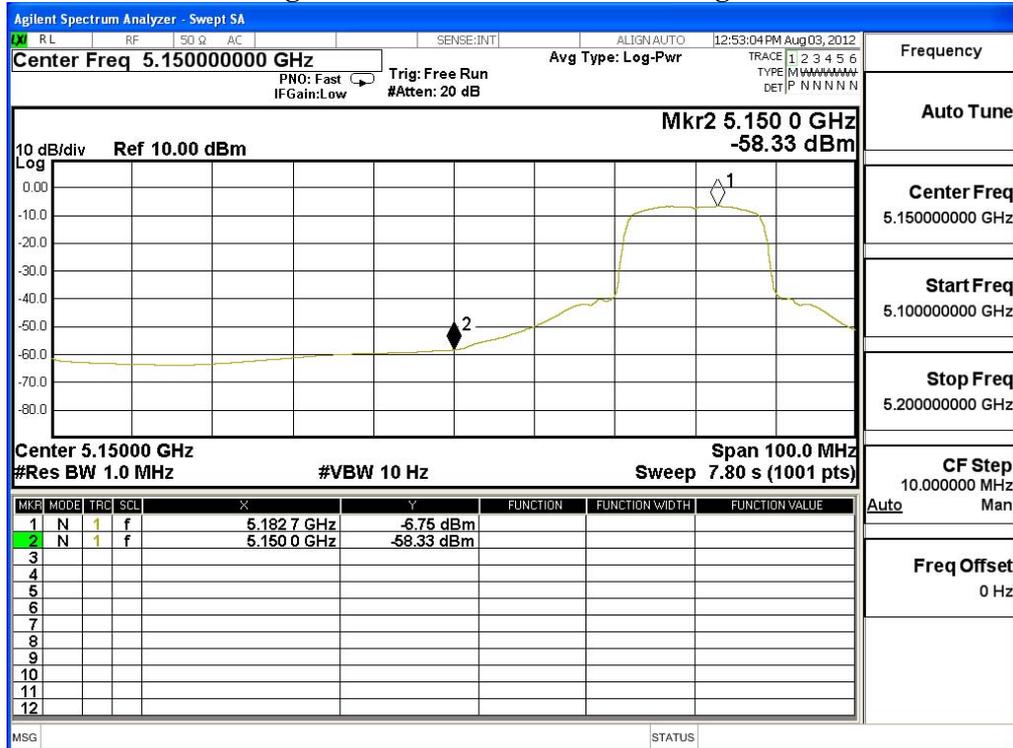
F = Fundamental field Strength (Peak or Average)

Δ = Conducted Band Edge Delta (Peak or Average)

Peak Detector of conducted Band Edge Delta



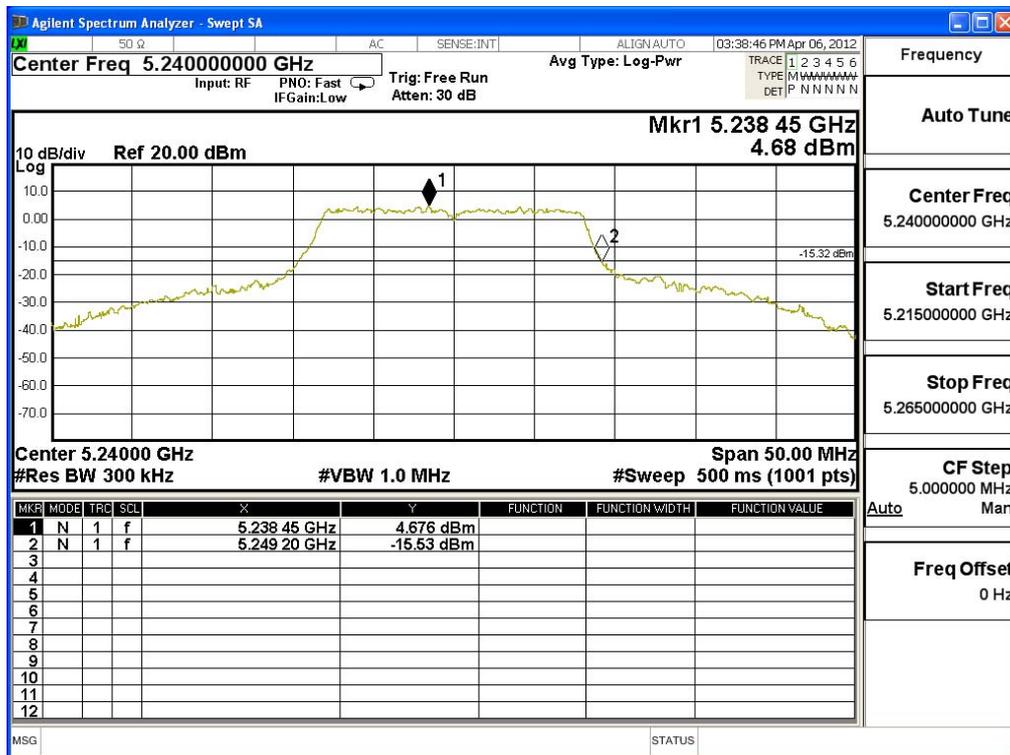
Average Detector of conducted Band Edge Delta



Product : ASUS Tablet
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps)-Channel 48

Test Frequency (MHz)	Measurement Level (20dBc) (MHz)	Limit (MHz)	Result
5240	5249.20	<5250	PASS

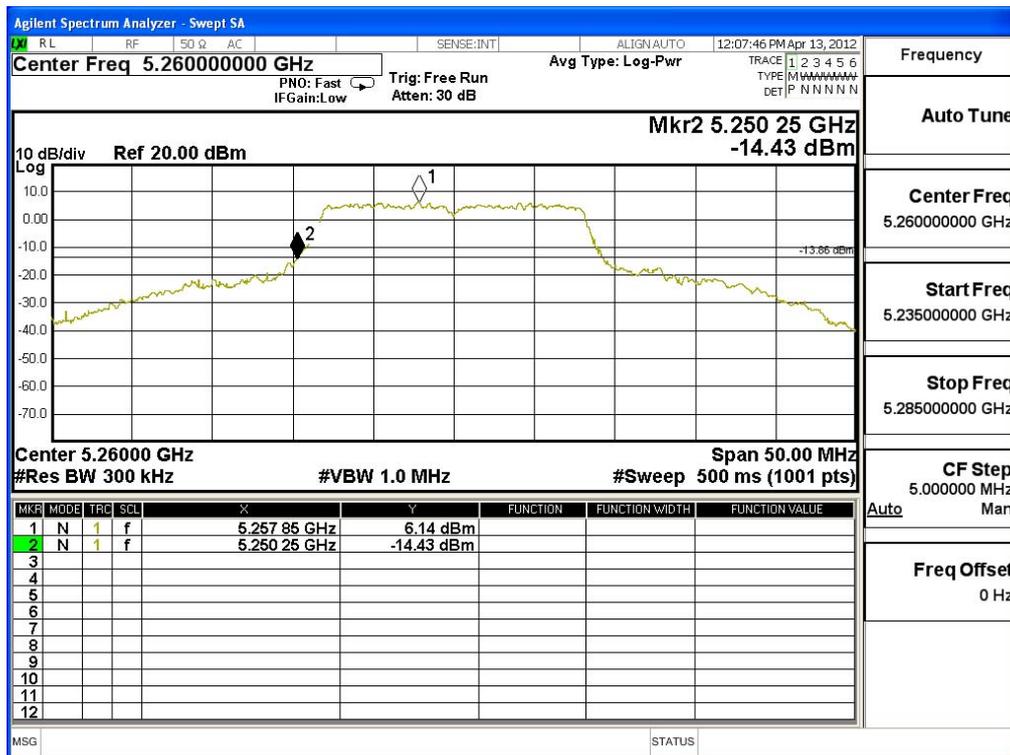
NOTE: Accordance with 15.215 requirement.



Product : ASUS Tablet
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps)-Channel 52

Test Frequency (MHz)	Measurement Level (20dBc) (MHz)	Limit (MHz)	Result
5260	5250.25	>5250	PASS

NOTE: Accordance with 15.215 requirement.



Product : ASUS Tablet
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) -Channel 64

Fundamental Filed Strength

Antenna Pole	Frequency [MHz]	Correction Factor [dB/m]	Reading Level [dBuV]	Emission Level [dBuV/m]	Detector
Horizontal	5320	35.635	63.45	99.084	Peak
Horizontal	5320	35.635	50.96	86.594	Average
Vertical	5320	37.552	63.27	100.821	Peak
Vertical	5320	37.552	50.33	87.881	Average

Note: 1:Spectrum Analyzer setting:

Peak detector: RBW=1MHz, VBW=1MHz

Average detector: RBW=1MHz, VBW=10Hz

Band Edge Test Data

Antenna Pole	Test Frequency (MHz)	Fundamental (dBuV/m)	Δ (dB)	Band Edge Field Strength (dBuV/m)	Requiqment Limit (dBuV/m)	Detector
Horizontal	5350.4	99.084	38.9	60.184	74.000	Peak
Horizontal	5350	86.594	51.73	34.864	54.000	Average
Vertical	5350.4	100.821	38.9	61.921	74.000	Peak
Vertical	5350	87.881	51.73	36.151	54.000	Average

Note:

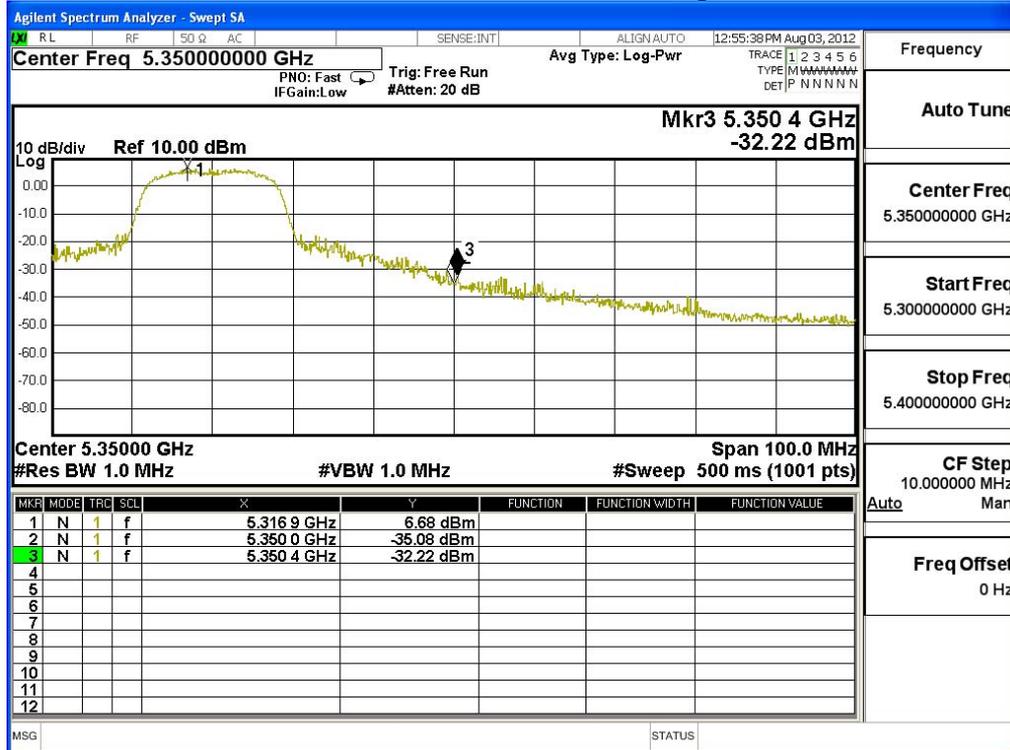
The Band Edge Field Strength was calculated using the Fundamental and Conducted Band Edge measurements per the Marker-Delta Method with the following formula:

Band Edge field Strength = F - Δ

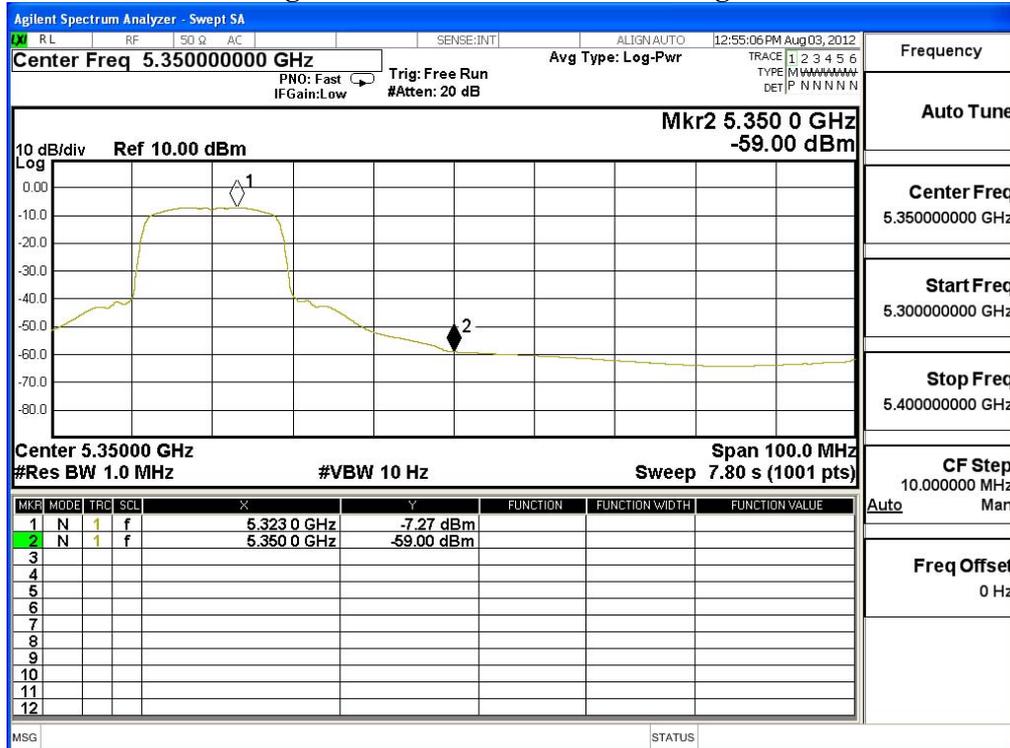
F = Fundamental field Strength (Peak or Average)

Δ = Conducted Band Edge Delta (Peak or Average)

Peak Detector of conducted Band Edge Delta



Average Detector of conducted Band Edge Delta



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

Fundamental Filed Strength

Antenna Pole	Frequency [MHz]	Correction Factor [dB/m]	Reading Level [dBuV]	Emission Level [dB(uV/m)]	Detector
Horizontal	5500	36.684	64.82	101.504	Peak
Horizontal	5500	36.684	51.78	88.464	Average
Vertical	5500	38.145	62.25	100.395	Peak
Vertical	5500	38.145	49.58	87.725	Average

Note: 1:Spectrum Analyzer setting:

Peak detector: RBW=1MHz, VBW=1MHz

Average detector: RBW=1MHz, VBW=10Hz

Band Edge Test Data

Antenna Pole	Test Frequency (MHz)	Fundamental (dBuV/m)	Δ (dB)	Band Edge Field Strength (dBuV/m)	Requiqment Limit (dBuV/m)	Detector
Horizontal	5458.1	101.504	40.74	60.764	74.000	Peak
Horizontal	5460	88.464	52.56	35.904	54.000	Average
Vertical	5458.1	100.395	40.74	59.655	74.000	Peak
Vertical	5460	87.725	52.56	35.165	54.000	Average

Note:

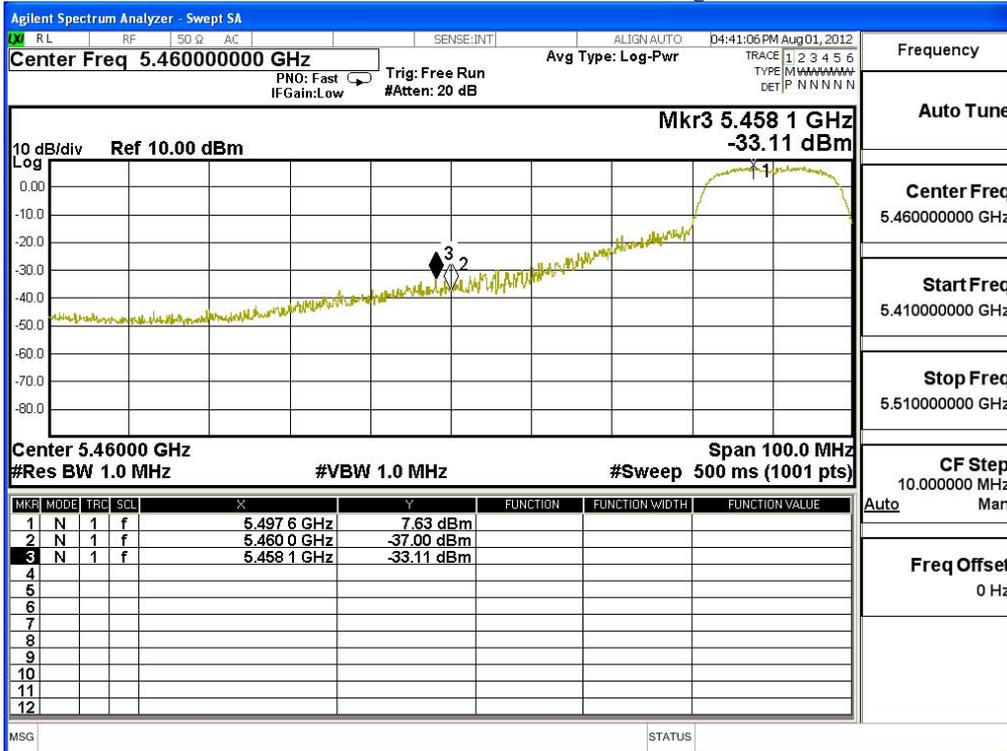
The Band Edge Field Strength was calculated using the Fundamental and Conducted Band Edge measurements per the Marker-Delta Method with the following formula:

Band Edge field Strength = F - Δ

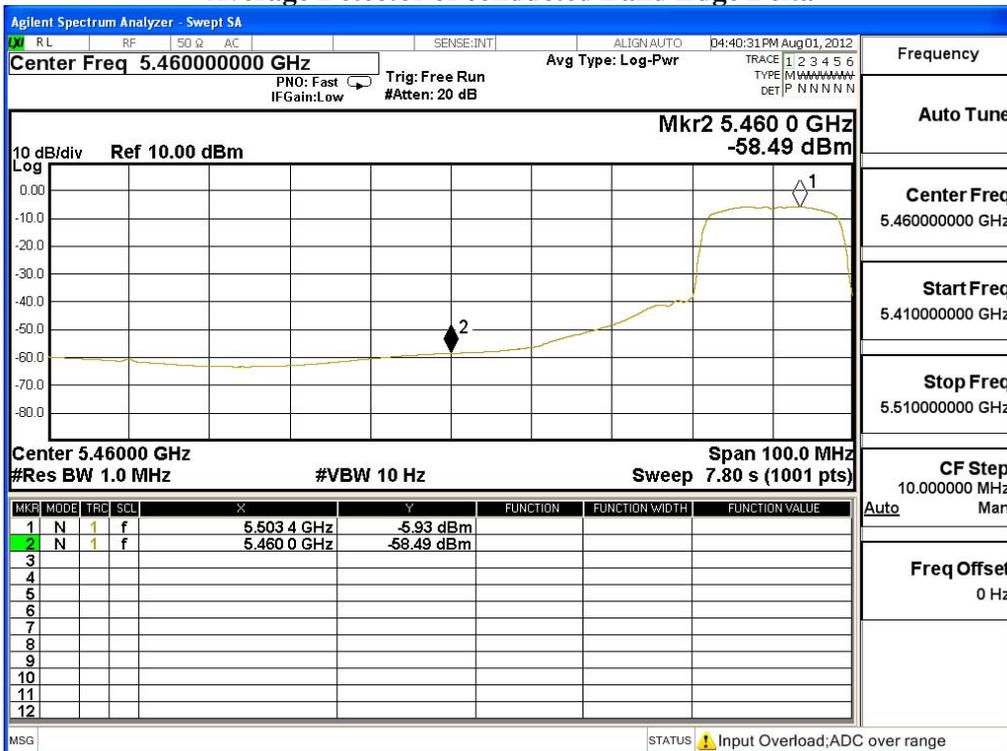
F = Fundamental field Strength (Peak or Average)

Δ = Conducted Band Edge Delta (Peak or Average)

Peak Detector of conducted Band Edge Delta



Average Detector of conducted Band Edge Delta



Product : ASUS Tablet
 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 (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
Horizontal	5470.000	18.334	-73.970	-55.636	-28.636	-27.000	Pass

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
Vertical	5470.000	19.335	-75.900	-56.565	-29.565	-27.000	Pass

Product : ASUS Tablet
 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 (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
Horizontal	5725.000	18.649	-70.920	-52.271	-25.271	-27.000	Pass

	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBm)	Measure Level (dBm/m)	Margin (dB)	Limit (dBm/m)	Result
Vertical	5725.000	19.372	-72.400	-53.028	-26.028	-27.000	Pass

Product : ASUS Tablet
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) -Channel 36

Fundamental Filed Strength

Antenna Pole	Frequency [MHz]	Correction Factor [dB/m]	Reading Level [dBuV]	Emission Level [dBuV/m]	Detector
Horizontal	5180	34.966	70.21	105.176	Peak
Horizontal	5180	34.966	53.66	88.626	Average
Vertical	5180	37.073	70.38	107.454	Peak
Vertical	5180	37.073	54.17	91.244	Average

Note: 1:Spectrum Analyzer setting:

Peak detector: RBW=1MHz, VBW=1MHz

Average detector: RBW=1MHz, VBW=10Hz

Band Edge Test Data (Chain A)

Antenna Pole	Test Frequency (MHz)	Fundamental (dBuV/m)	Δ (dB)	Band Edge Field Strength (dBuV/m)	Requiment Limit (dBuV/m)	Detector
Horizontal	5149.2	105.176	35.08	70.096	74.000	Peak
Horizontal	5150	88.626	49.18	39.446	54.000	Average
Vertical	5149.2	107.454	35.08	72.374	74.000	Peak
Vertical	5150	91.244	49.18	42.064	54.000	Average

Band Edge Test Data (Chain B)

Antenna Pole	Test Frequency (MHz)	Fundamental (dBuV/m)	Δ (dB)	Band Edge Field Strength (dBuV/m)	Requiment Limit (dBuV/m)	Detector
Horizontal	5143.7	105.176	37.11	68.066	74.000	Peak
Horizontal	5150	88.626	49.86	38.766	54.000	Average
Vertical	5143.7	107.454	37.11	70.344	74.000	Peak
Vertical	5150	91.244	49.86	41.384	54.000	Average

Note:

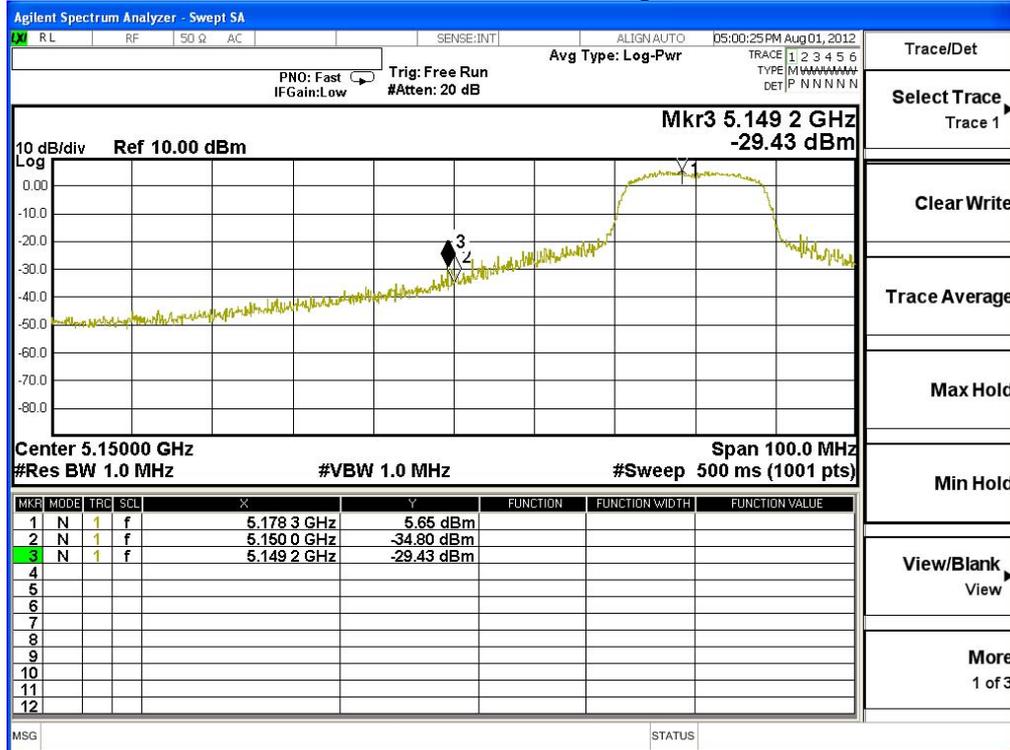
The Band Edge Field Strength was calculated using the Fundamental and Conducted Band Edge measurements per the Marker-Delta Method with the following formula:

Band Edge field Strength = F - Δ

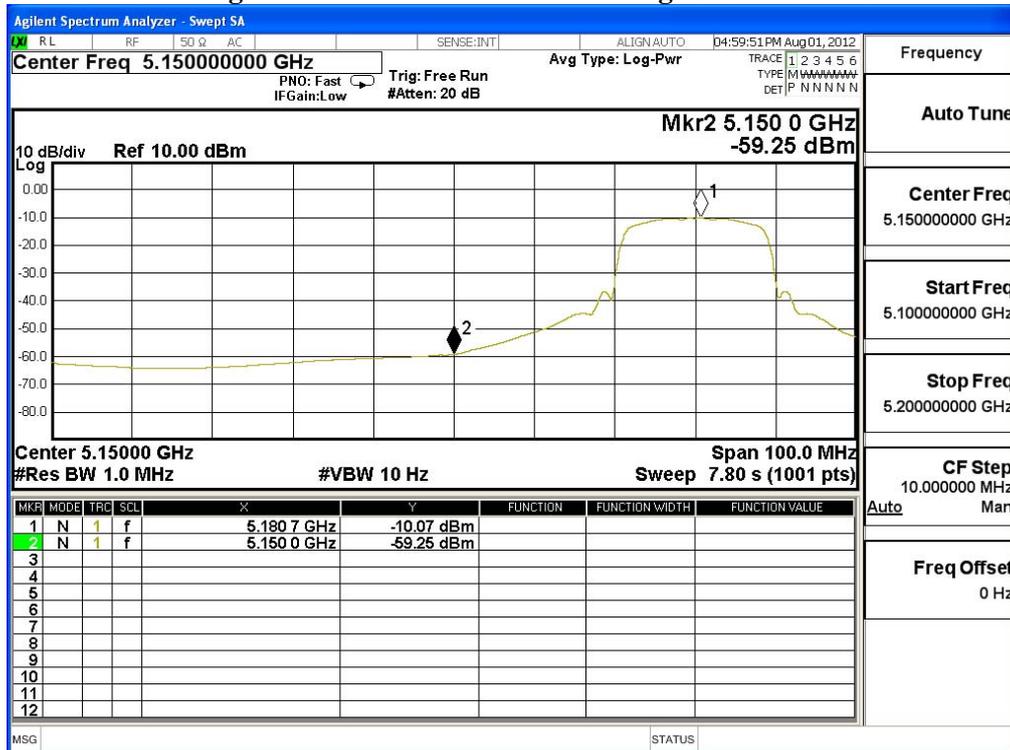
F = Fundamental field Strength (Peak or Average)

Δ = Conducted Band Edge Delta (Peak or Average)

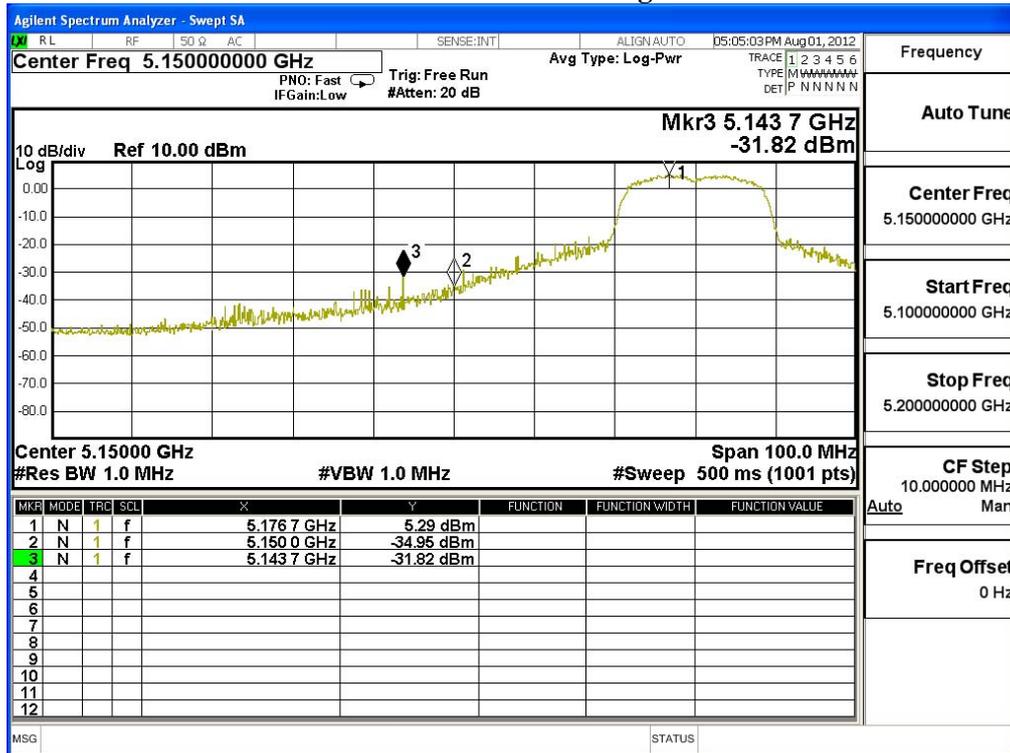
Peak Detector of conducted Band Edge Delta-Chain A



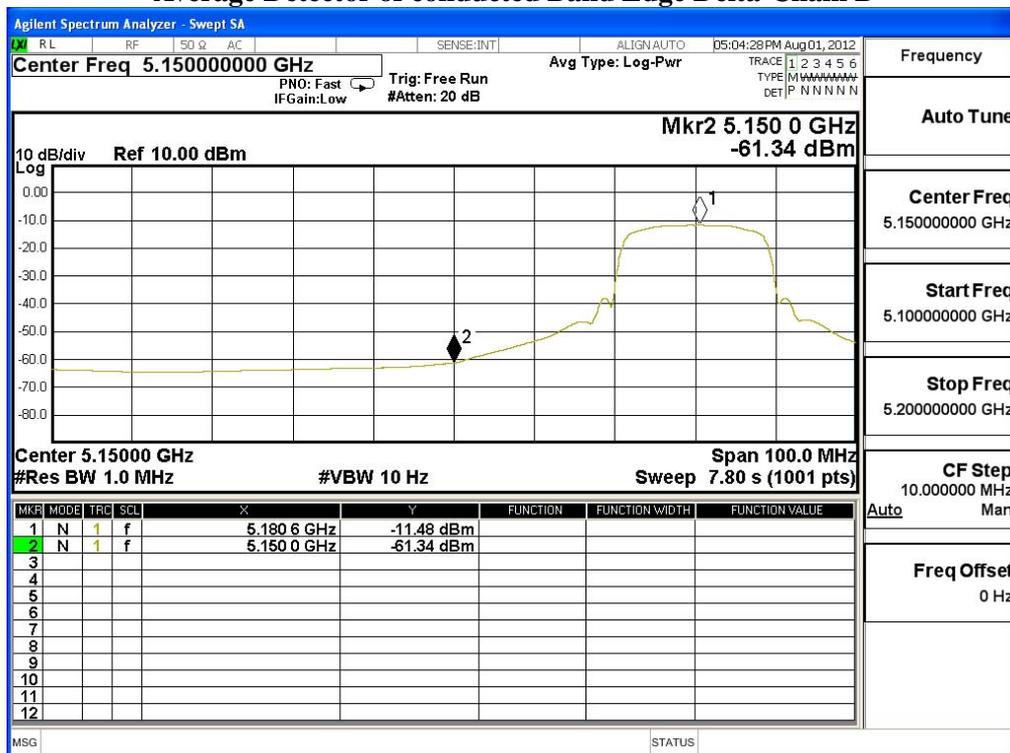
Average Detector of conducted Band Edge Delta-Chain A



Peak Detector of conducted Band Edge Delta-Chain B



Average Detector of conducted Band Edge Delta-Chain B

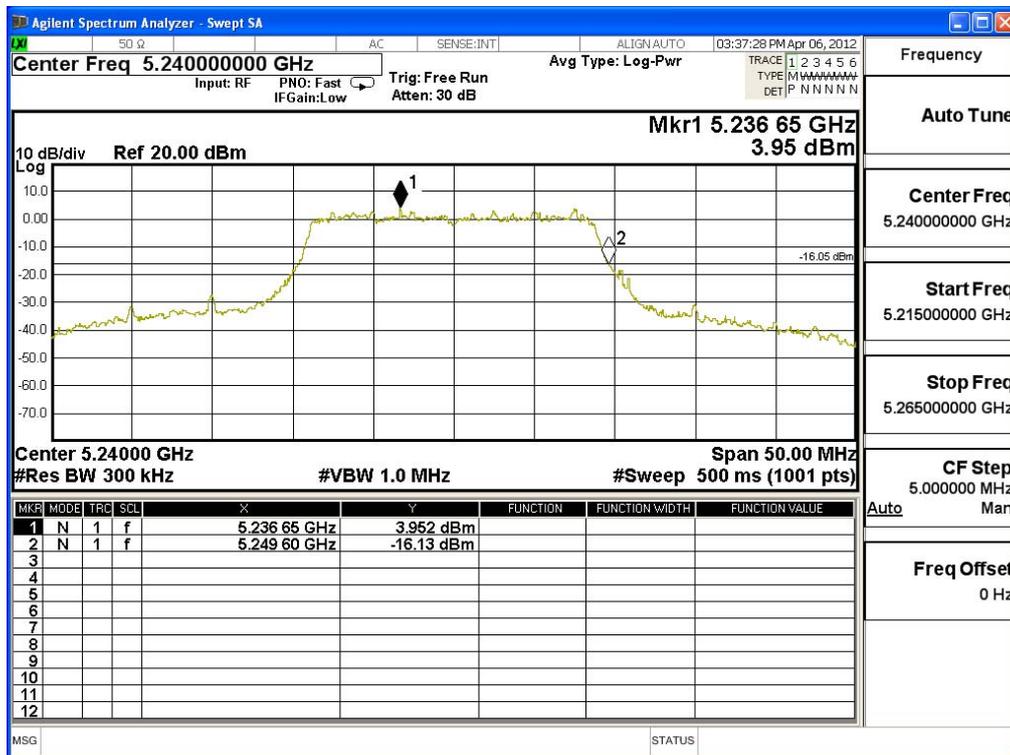


Product : ASUS Tablet
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps)-Channel 48

Chain A

Test Frequency (MHz)	Measurement Level (20dB BW) (MHz)	Limit (MHz)	Result
5240	5249.60	<5250	PASS

NOTE: Accordance with 15.215 requirement.

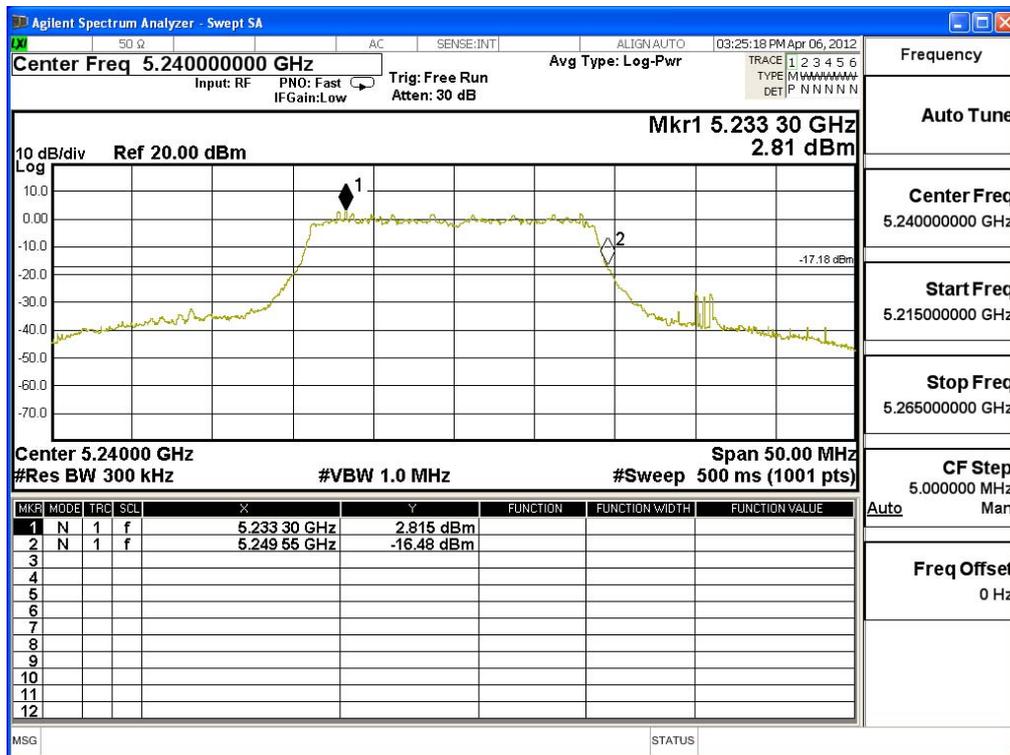


Product : ASUS Tablet
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps)-Channel 48

Chain B

Test Frequency (MHz)	Measurement Level (20dB BW) (MHz)	Limit (MHz)	Result
5240	5249.55	<5250	PASS

NOTE: Accordance with 15.215 requirement.



Product : ASUS Tablet
 Test Item : Band Edge Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps)-Channel 52

Chain A

Test Frequency (MHz)	Measurement Level (20dB BW) (MHz)	Limit (MHz)	Result
5260	5250.10	>5250	PASS

NOTE: Accordance with 15.215 requirement.

