

2.7. Conducted Emission

2.7.1. Requirement

According to FCC section 15.207, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the band 150kHz to 30MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 Ω line impedance stabilization network (LISN).

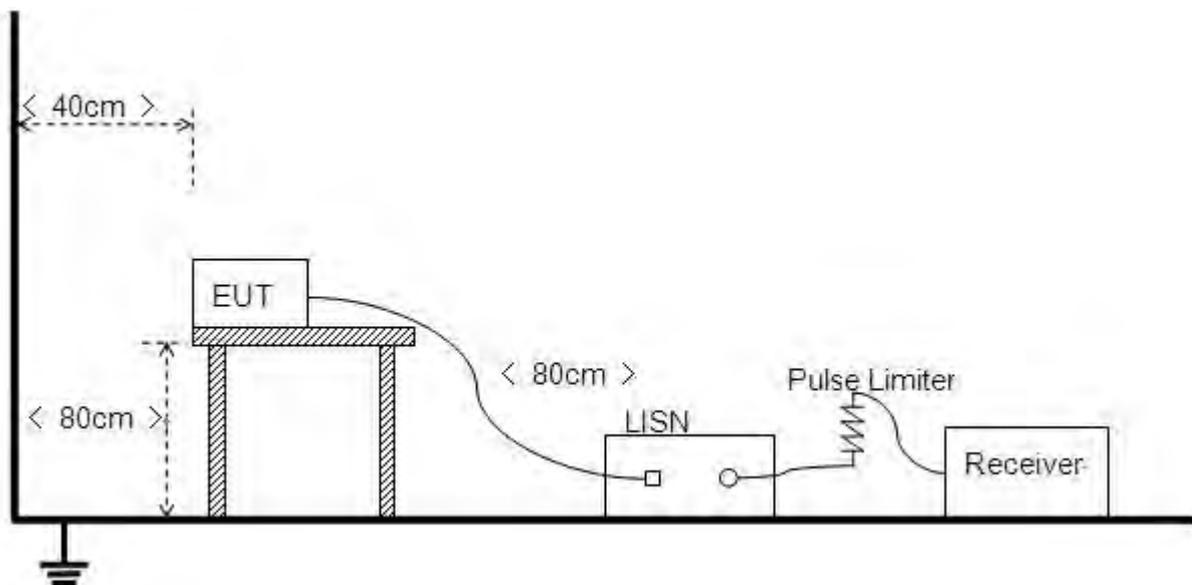
Frequency range (MHz)	Conducted Limit (dB μ V)	
	Quai-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
5 - 30	60	50

NOTE:

- (a) The lower limit shall apply at the band edges.
- (b) The limit decreases linearly with the logarithm of the frequency in the range 0.15 - 0.50MHz.

2.7.2. Test Description

A. Test Setup:



The Table-top EUT was placed upon a non-metallic table 0.8m above the horizontal metal reference ground plane. EUT was connected to LISN and LISN was connected to reference Ground Plane. EUT was 80cm from LISN. The set-up and test methods were according to ANSI C63.10 2013.



B. Equipments List:

Please refer ANNEX B(4).

2.7.3. Test Result

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Refer to recorded points and plots below.

Note: Both of the test voltage AC 120V/60Hz and AC 230V/50Hz were considered and tested respectively, only the results of the worst case AC 120V/60Hz were recorded in this report.

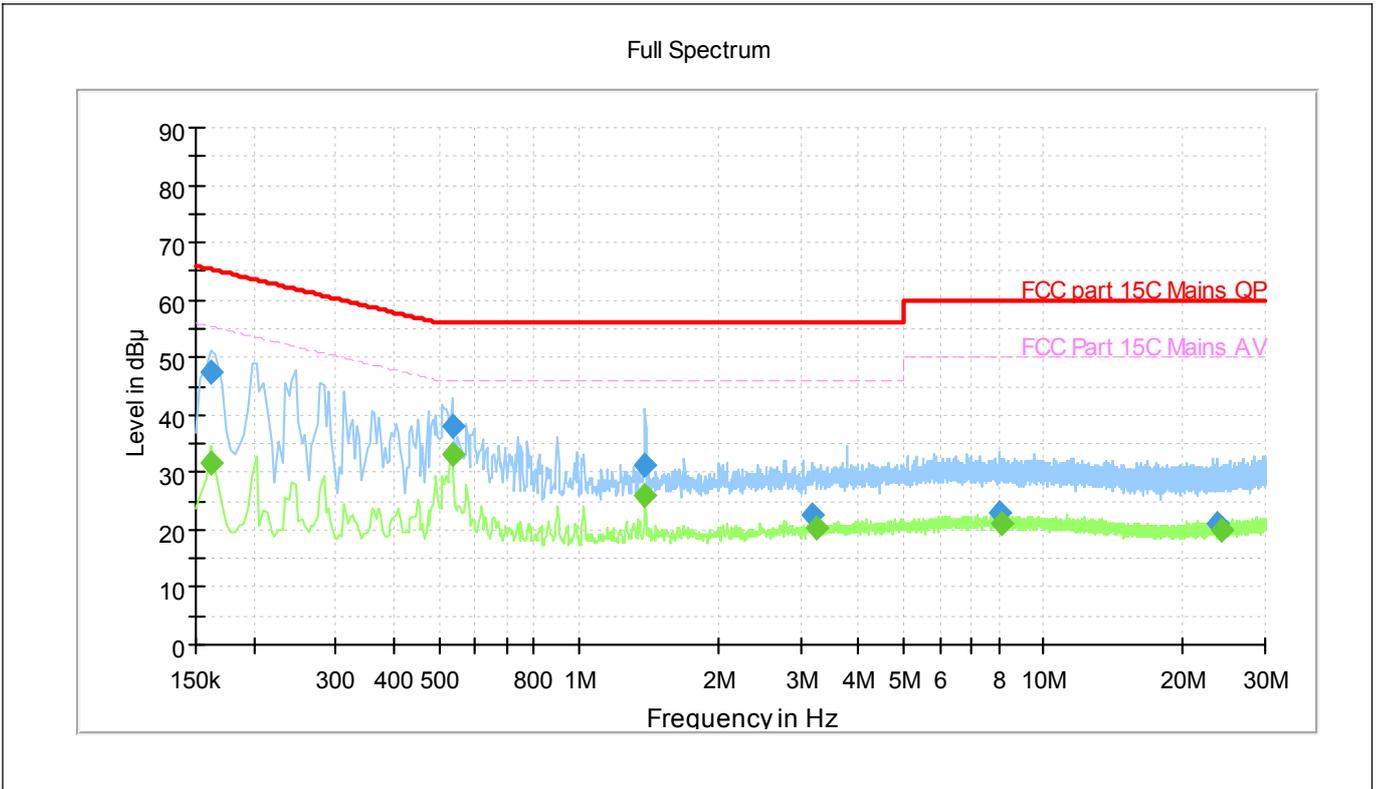
A. Test setup:

The EUT configuration of the emission tests is EUT +Wlan Link.

Note: The test voltage is AC 120V/60Hz.

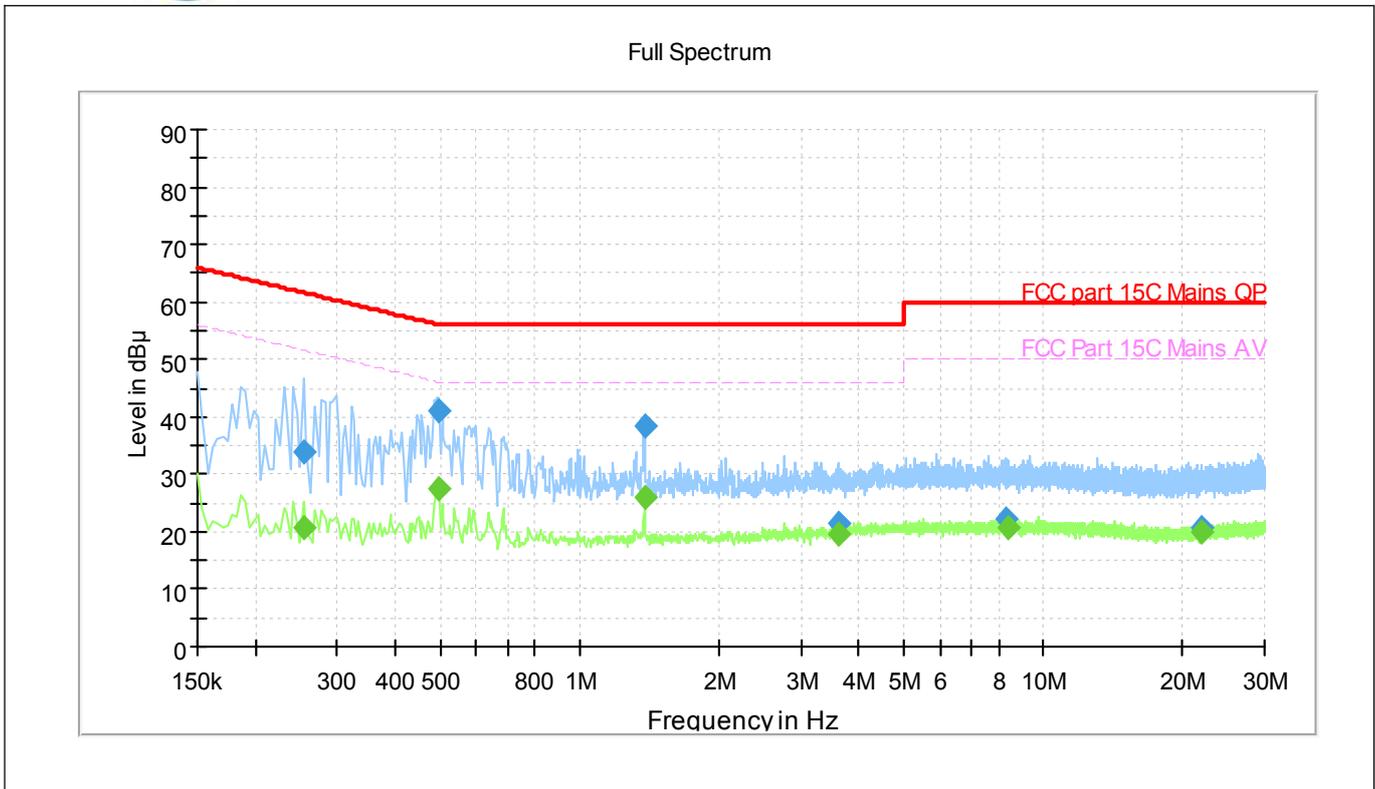


B. Test Plots:



(Plot A: L Phase)

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.162000	---	31.45	55.36	23.91	L1	10.2
0.162000	47.47	---	65.36	17.89	L1	10.2
0.534000	---	33.23	46.00	12.78	L1	10.2
0.534000	38.10	---	56.00	17.90	L1	10.2
1.386000	---	25.96	46.00	20.04	L1	10.3
1.390000	31.20	---	56.00	24.80	L1	10.3
3.178000	22.57	---	56.00	33.43	L1	10.4
3.238000	---	20.26	46.00	25.74	L1	10.4
8.018000	22.81	---	60.00	37.19	L1	10.6
8.126000	---	21.10	50.00	28.90	L1	10.6
23.682000	21.22	---	60.00	38.78	L1	10.6
24.298000	---	20.08	50.00	29.92	L1	10.6



(Plot A: N Phase)

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.254000	---	20.90	51.63	30.73	N	10.2
0.254000	33.98	---	61.63	27.64	N	10.2
0.498000	---	27.66	46.03	18.37	N	10.2
0.498000	41.15	---	56.03	14.88	N	10.2
1.378000	---	25.82	46.00	20.18	N	10.3
1.378000	38.58	---	56.00	17.42	N	10.3
3.602000	21.38	---	56.00	34.62	N	10.4
3.602000	---	19.72	46.00	26.28	N	10.4
8.282000	22.18	---	60.00	37.82	N	10.5
8.406000	---	20.67	50.00	29.33	N	10.5
21.958000	20.82	---	60.00	39.18	N	10.6
22.042000	---	19.92	50.00	30.08	N	10.6



2.8. Radiated Emission

2.8.1. Requirement

According to FCC section 15.247(d), radiated emission outside the frequency band attenuation below the general limits specified in FCC section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in FCC section 15.205(a), must also comply with the radiated emission limits specified in FCC section 15.209(a).

According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength ($\mu\text{V/m}$)	Measurement Distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

Note:

For Above 1000MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.

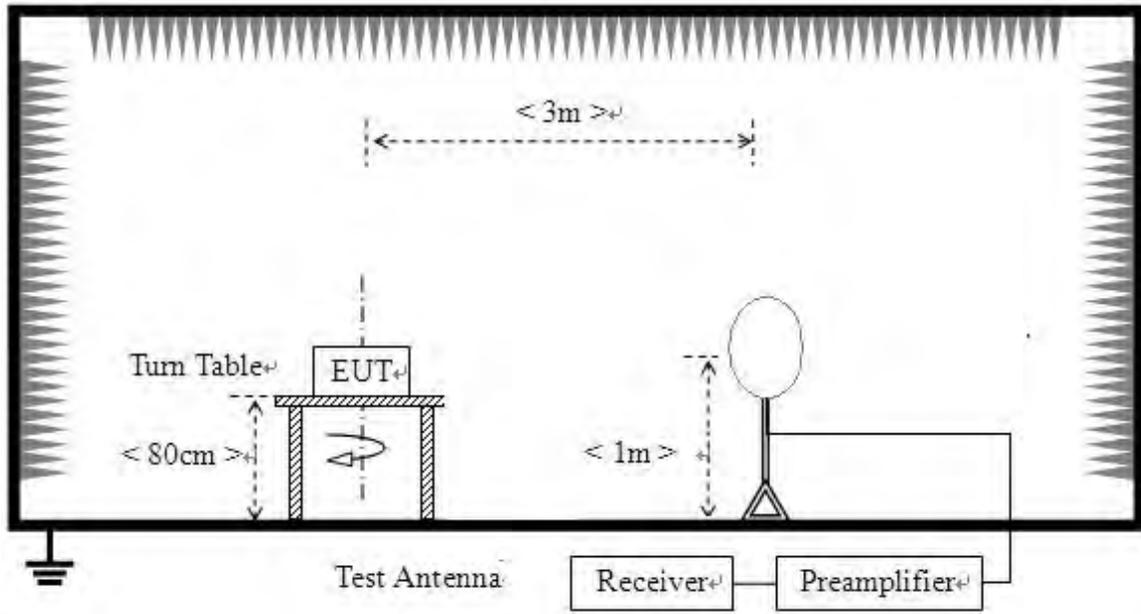
For above 1000MHz, limit field strength of harmonics: 54dBuV/m@3m (AV) and 74dBuV/m@3m (PK)

In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), also should comply with the radiated emission limits specified in Section 15.209(a)(above table)

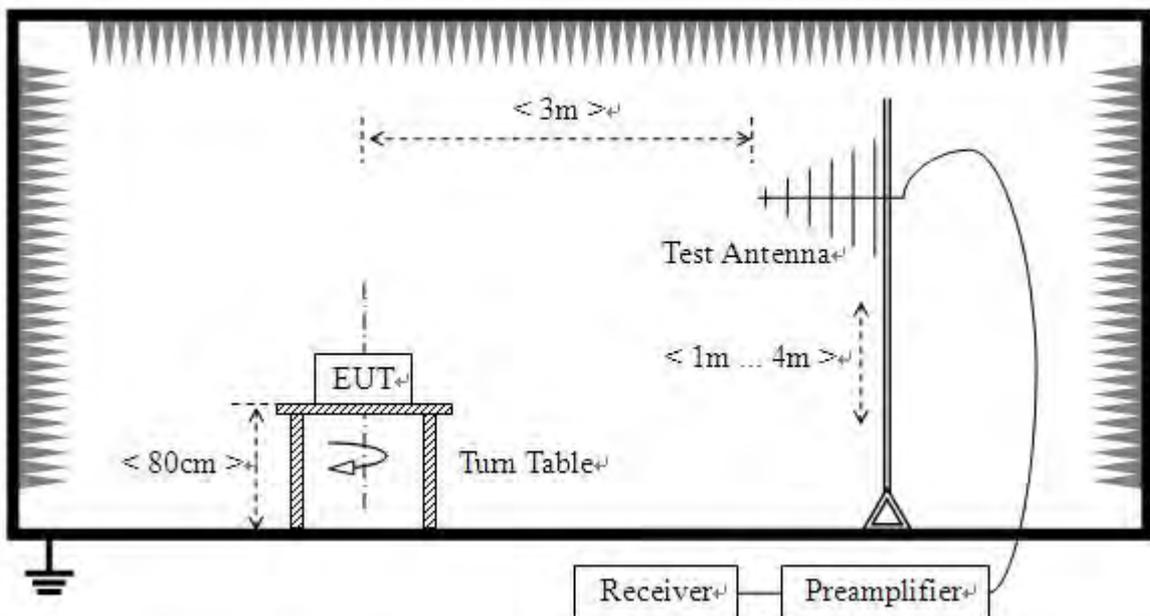
2.8.2. Test Description

A. Test Setup:

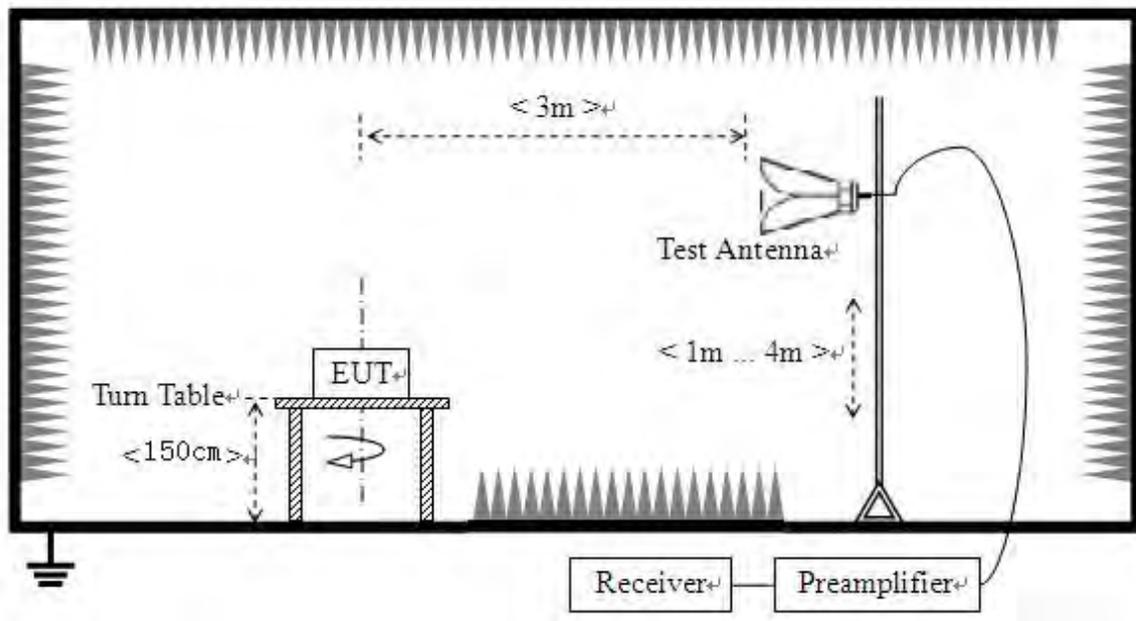
- 1) For radiated emissions from 9kHz to 30MHz



- 2) For radiated emissions from 30MHz to 1GHz



3) For radiated emissions above 3GHz



The RF absorbing material used on the reference ground plane and on the turntable have a maximum height (thickness) of 30 cm (12 in) and have a minimum-rated attenuation of 20 dB at all frequencies from 1 GHz to 18 GHz. Test site have a minimum area of the ground plane covered with RF absorbing material as specified in Figure 6 of ANSI C63.4: 2014.

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4dB according to the standards: ANSI C63.10 (2013). For radiated emissions below or equal to 1GHz, The EUT was set-up on insulator 80cm above the Ground Plane, For radiated emissions above 1GHz, The EUT was set-up on insulator 150cm above the Ground Plane. The set-up and test methods were according to ANSI C63.10

For the radiated emission test above 1GHz:

Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.



The EUT is located in a 3m Semi-Anechoic Chamber; the antenna factors, cable loss and so on of the site as factors are calculated to correct the reading

For the Test Antenna:

(a) In the frequency range of 9kHz to 30MHz, magnetic field is measured with Loop Test Antenna. The Test Antenna is positioned with its plane vertical at 1m distance from the EUT. The center of the Loop Test Antenna is 1m above the ground. During the measurement the Loop Test Antenna rotates about its vertical axis for maximum response at each azimuth about the EUT.

(b) In the frequency range above 30MHz, Bi-Log Test Antenna (30MHz to 1GHz) and Horn Test Antenna (above 1GHz) are used. Place the test antenna at 3m away from area of the EUT, while keeping the test antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The test antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final test antenna elevation shall be that which maximizes the emissions. The test antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane. The emission levels at both horizontal and vertical polarizations should be tested.

For Radiated emission below 30MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9kHz at frequency below 30MHz.

For Radiated emission above 30MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters (for 30MHz ~ 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.



- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test-receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

- 1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasipeak detection (QP) at frequency below 1GHz.
- 2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
- 3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle < 98%) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.
- 4. All modes of operation were investigated and the worst-case emissions are reported.

A. Equipments List:

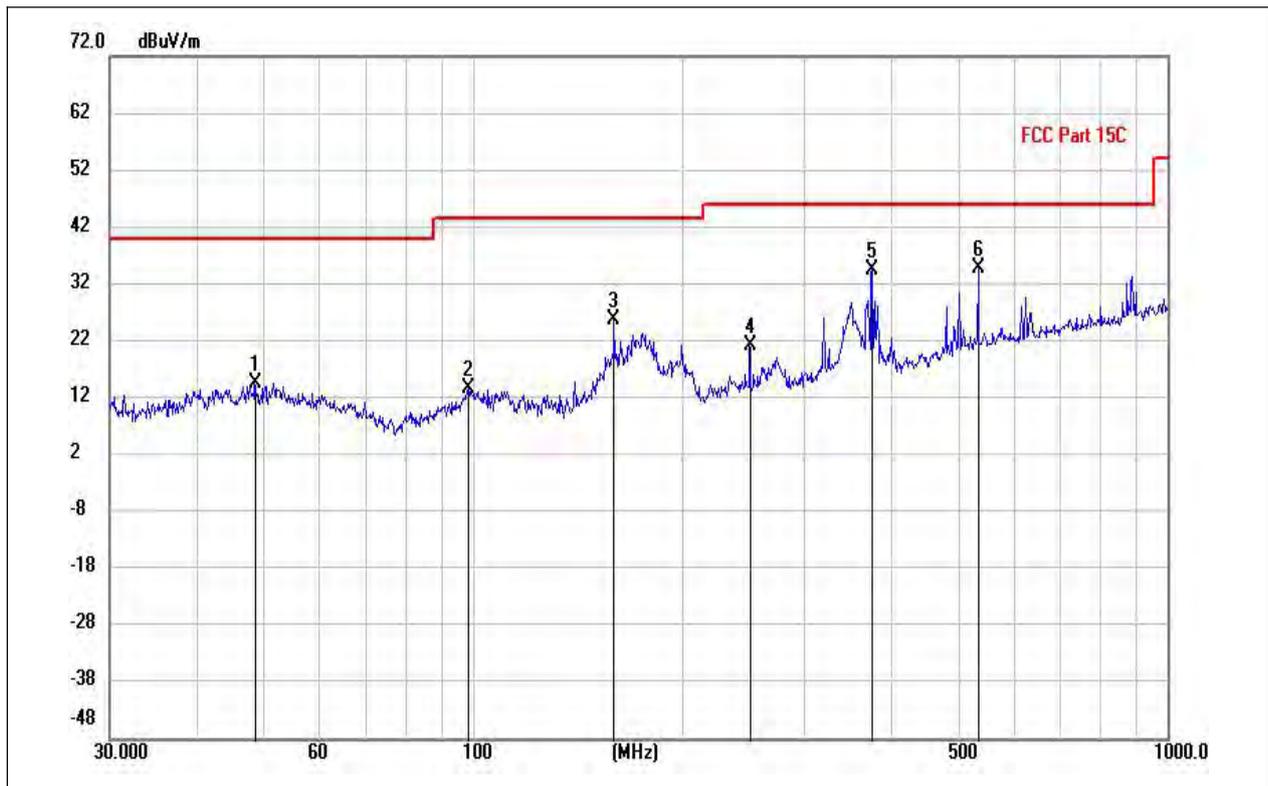
Please refer ANNEX B(4).

2.8.3. Test Result

Note1: For the frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

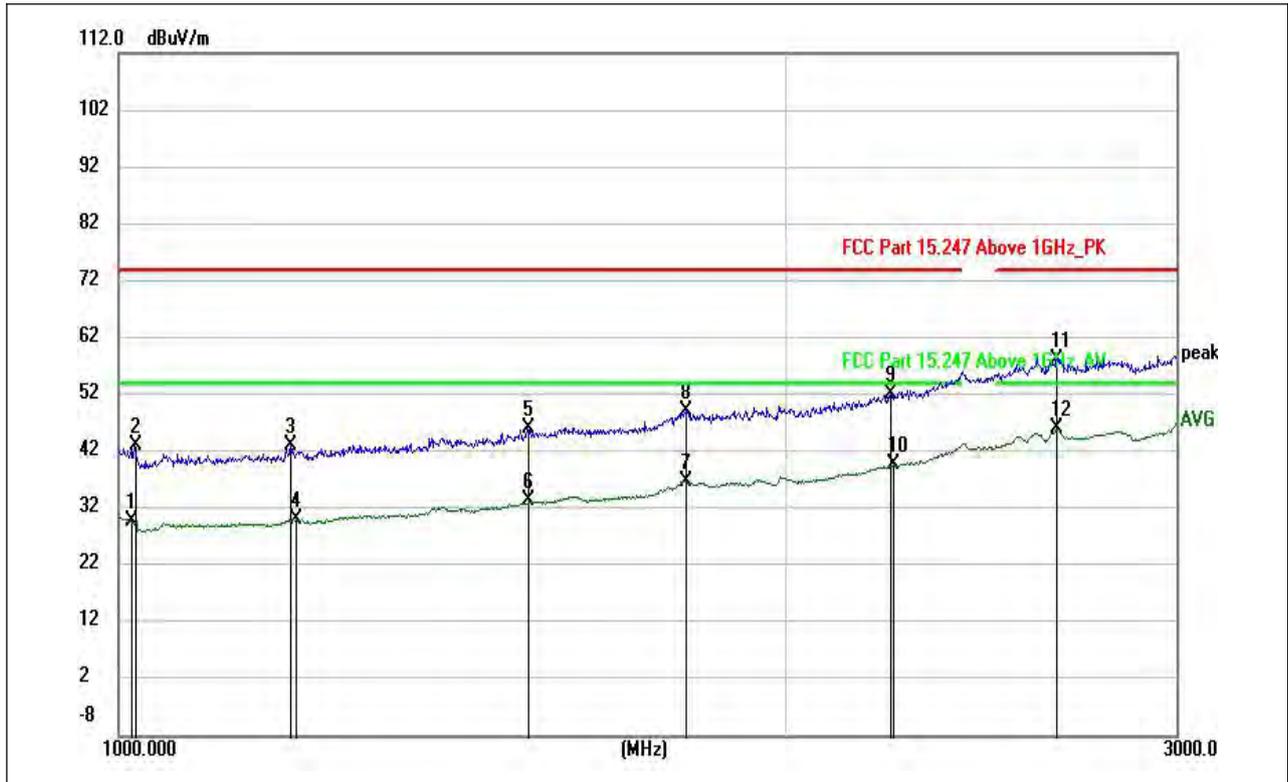
Note2: For the frequency, which started from 18GHz to 40GHz, was pre-scanned and the result which was 10dB lower than the limit was not recorded.

802.11b Test mode



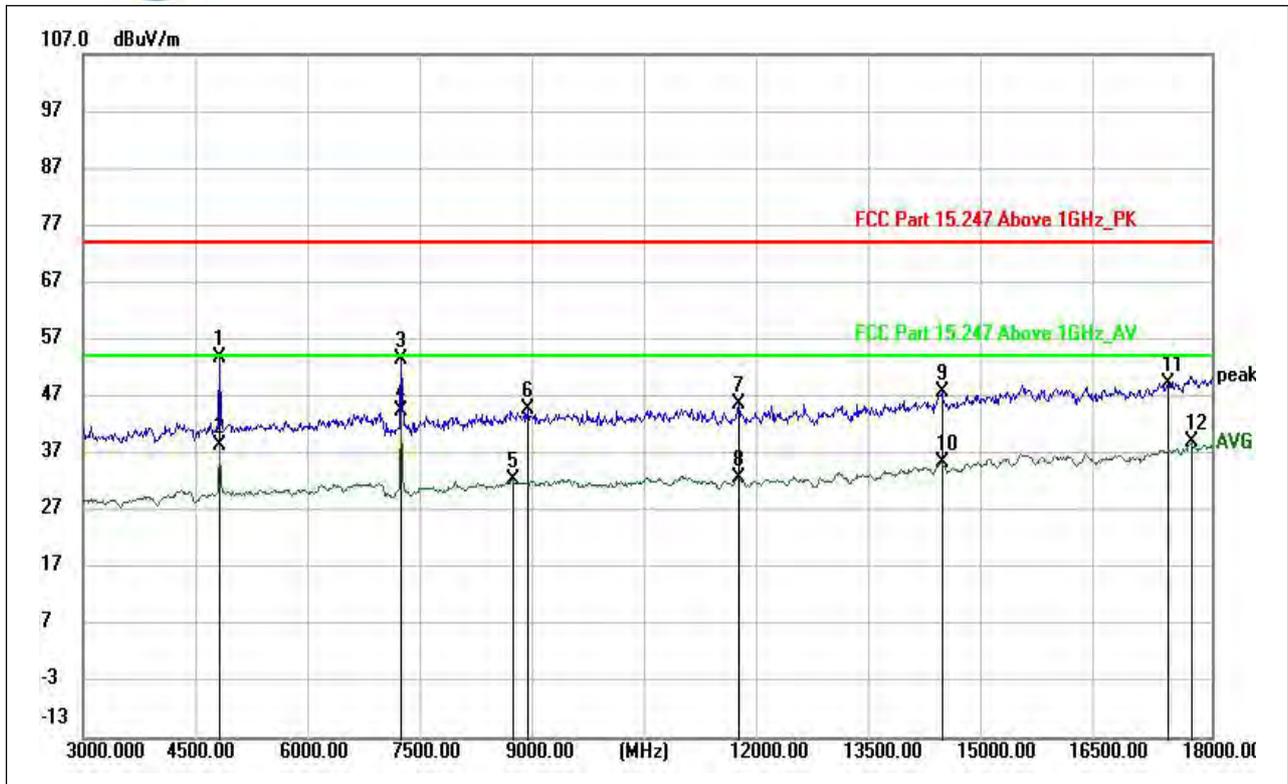
(802.11b _2412MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
48.5016	14.44	40.00	25.56	H	15.54
98.4866	13.71	43.50	29.79	H	13.94
159.7844	25.83	43.50	17.67	H	12.13
250.3012	21.23	46.00	24.77	H	14.90
375.9385	34.52	46.00	11.48	H	18.54
533.8321	34.67	46.00	11.33	H	22.25



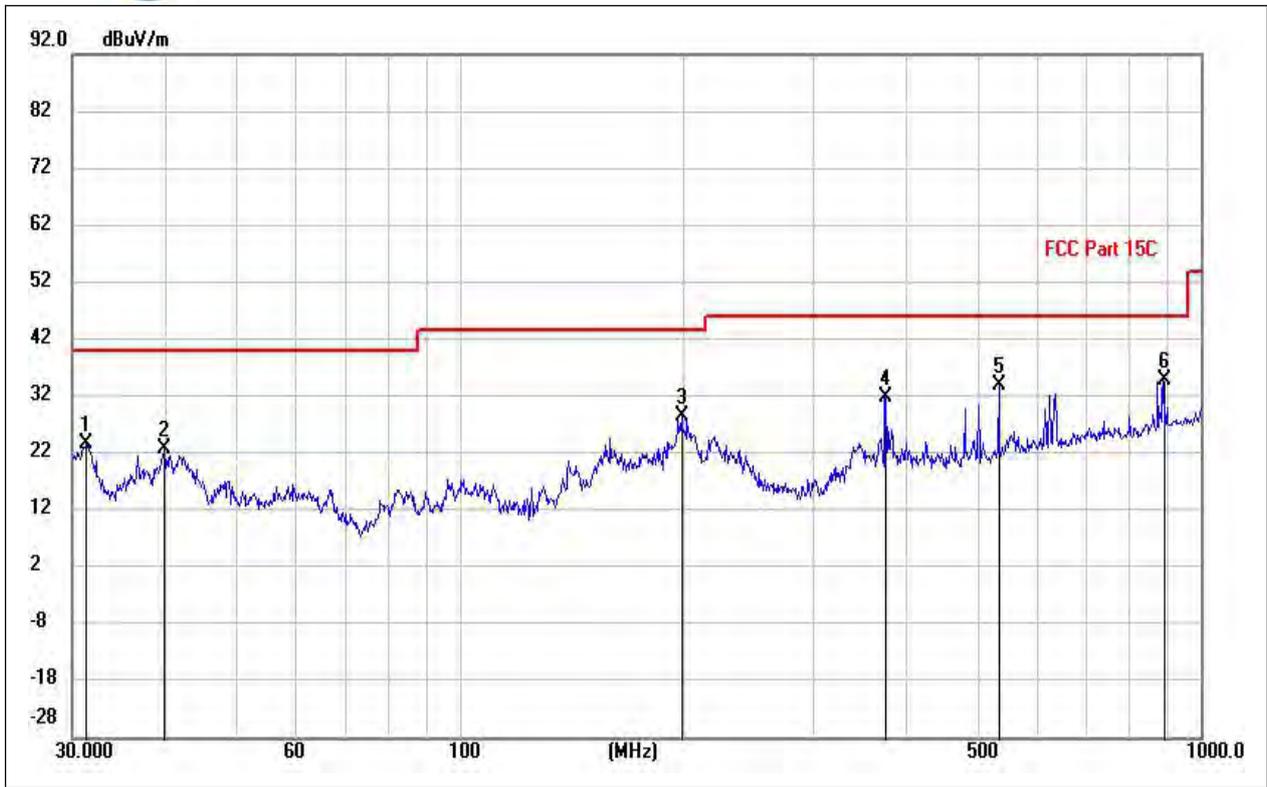
(802.11b _2412MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	QuasiPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1013.271	---	29.84	54.00	24.16	H	29.39
1016.616	42.99	---	74.00	31.01	H	29.24
1196.109	43.14	---	74.00	30.86	H	31.52
1202.697	---	30.20	54.00	23.80	H	31.67
1528.160	46.10	---	74.00	27.90	H	34.28
1531.521	---	33.38	54.00	20.62	H	34.36
1799.948	---	36.89	54.00	17.11	H	37.96
1801.926	49.04	---	74.00	24.96	H	37.82
2229.967	52.20	---	74.00	21.80	H	40.17
2237.329	---	39.76	54.00	14.24	H	40.24
2649.760	58.31	---	74.00	15.69	H	45.45
2649.760	---	45.97	54.00	8.03	H	45.45



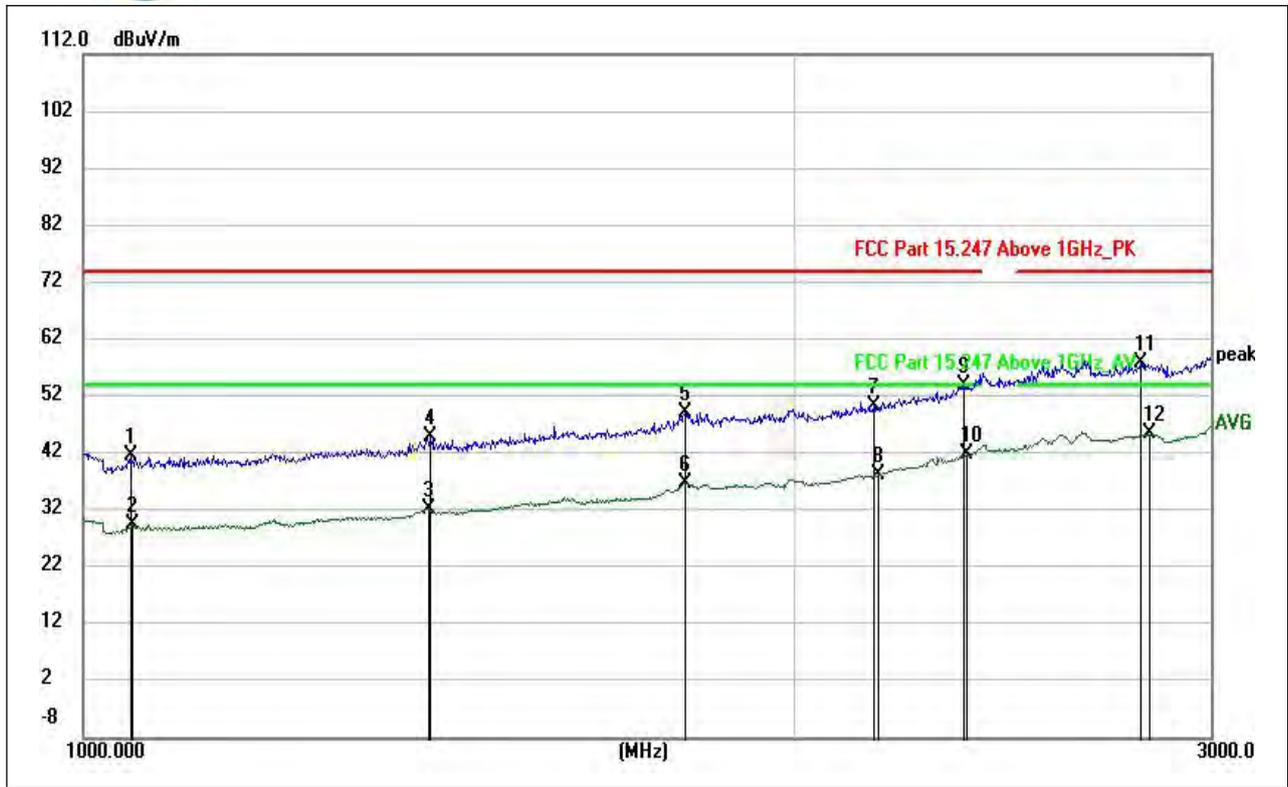
(802.11b_2412MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
4815.000	53.86	---	74.00	20.14	H	-3.28
4815.000	---	38.50	54.00	15.50	H	-3.28
7230.000	53.43	---	74.00	20.57	H	-0.36
7230.000	---	44.30	54.00	9.70	H	-0.36
8715.000	---	32.38	54.00	21.62	H	1.37
8910.000	44.65	---	74.00	29.35	H	1.49
11715.000	45.56	---	74.00	28.44	H	3.99
11715.000	---	32.72	54.00	21.28	H	3.99
14415.000	47.87	---	74.00	26.13	H	9.30
14415.000	---	35.46	54.00	18.54	H	9.30
17415.000	49.20	---	74.00	24.80	H	13.33
17730.000	---	39.06	54.00	14.94	H	14.93



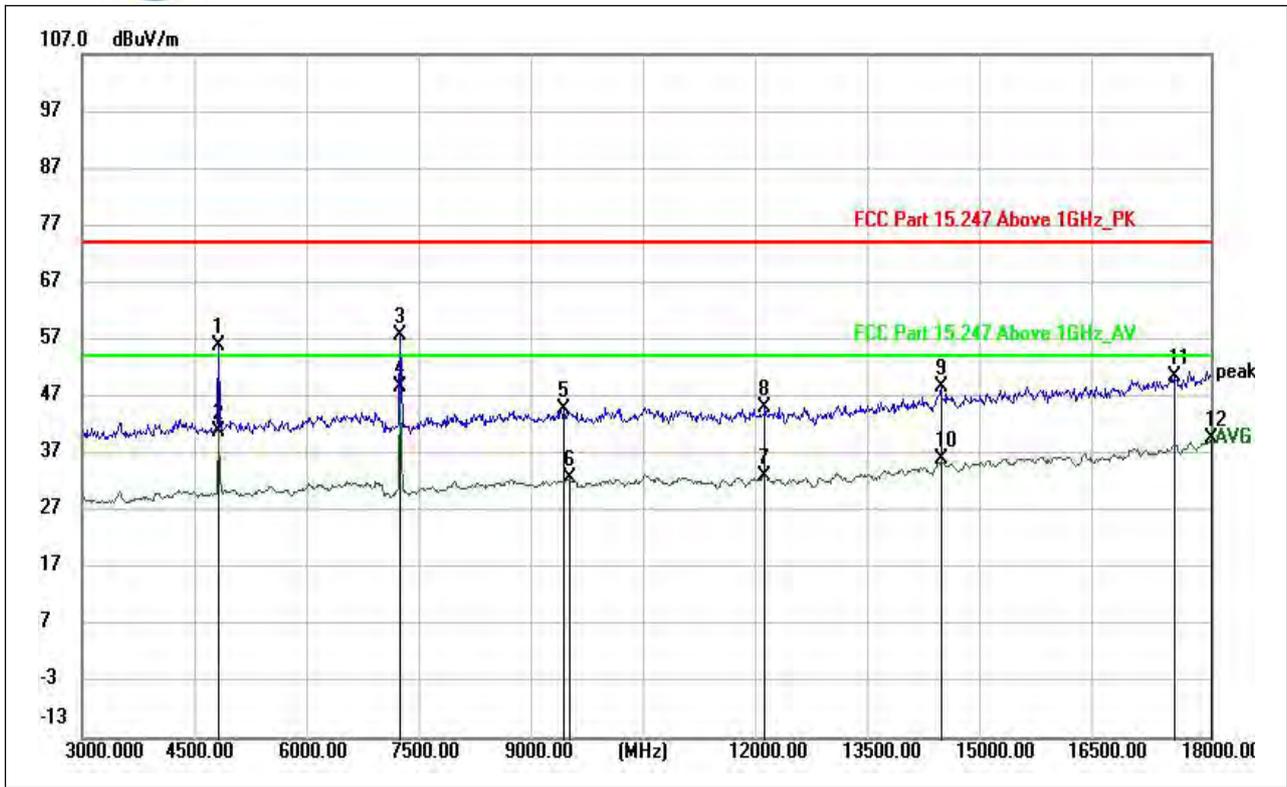
(802.11b _2412MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
31.3992	23.70	40.00	16.30	V	12.05
39.9942	22.86	40.00	17.14	V	15.69
199.2855	28.48	43.50	15.02	V	14.25
375.9385	31.85	46.00	14.15	V	18.54
533.8321	33.84	46.00	12.16	V	22.25
890.7278	34.85	46.00	11.15	V	27.86



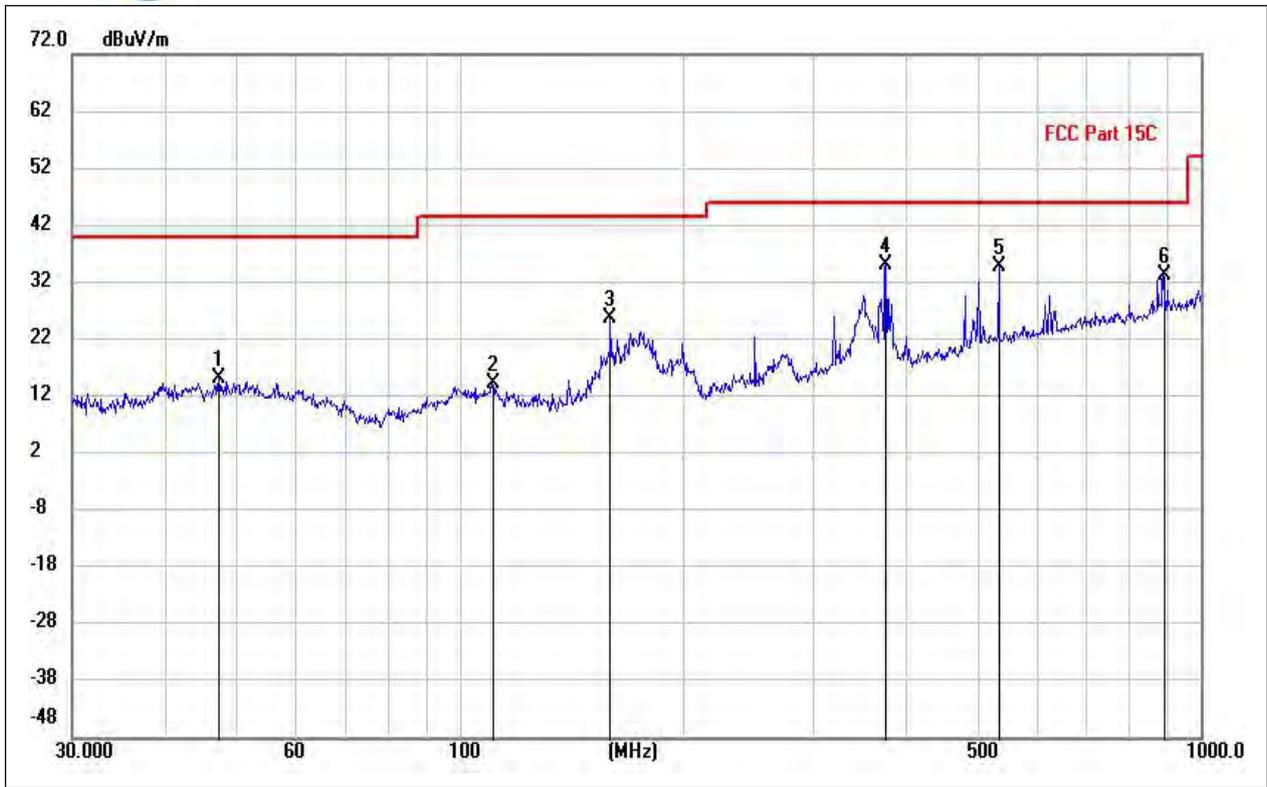
(802.11b_2412MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	QuasiPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1047.223	41.71	---	74.00	32.29	V	30.20
1049.526	---	29.43	54.00	24.57	V	30.43
1398.048	---	32.24	54.00	21.76	V	33.46
1402.663	44.77	---	74.00	29.23	V	33.40
1797.971	49.25	---	74.00	24.75	V	37.82
1797.971	---	36.91	54.00	17.09	V	37.82
2160.041	50.40	---	74.00	23.60	V	39.00
2169.554	---	38.19	54.00	15.81	V	39.19
2355.888	53.87	---	74.00	20.13	V	41.92
2366.263	---	41.78	54.00	12.22	V	42.08
2802.462	57.88	---	74.00	16.12	V	45.90
2824.097	---	45.41	54.00	8.59	V	44.58



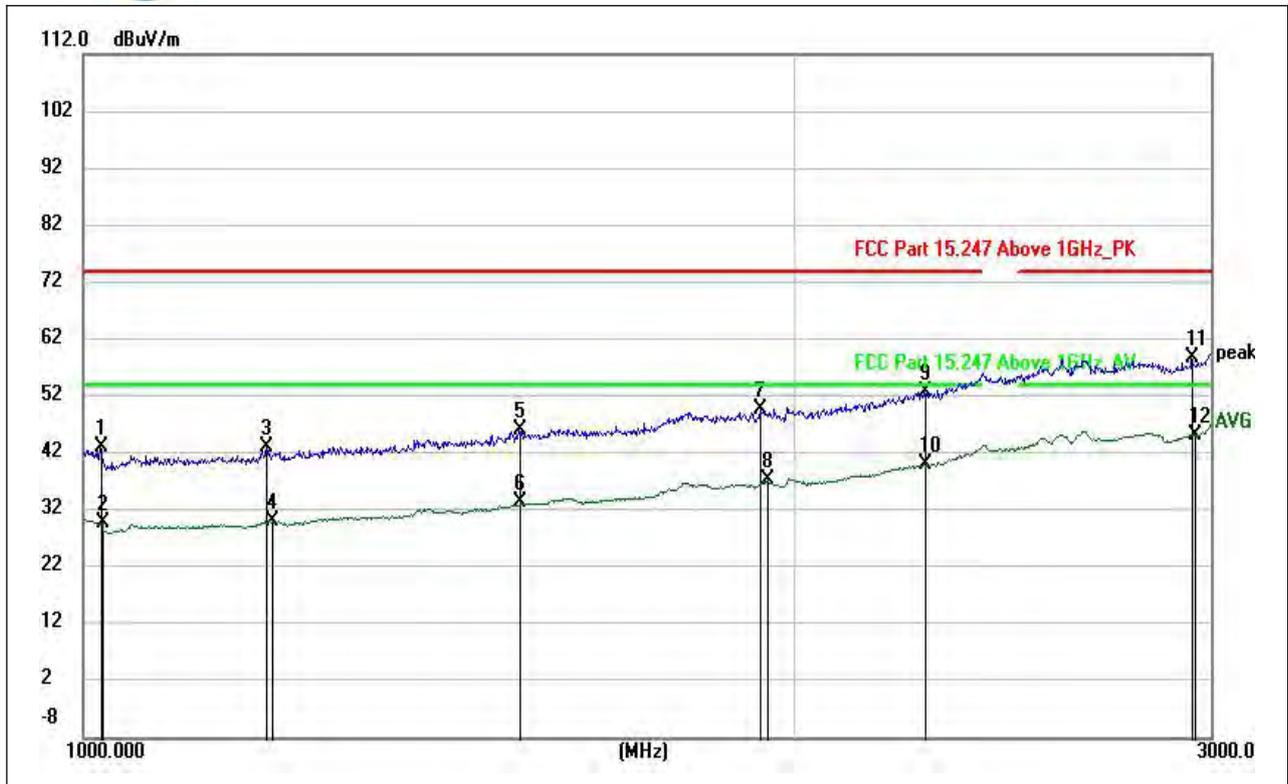
(802.11b_2412MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
4815.000	56.04	---	74.00	17.96	V	-3.28
4815.000	---	40.76	54.00	13.24	V	-3.28
7230.000	57.57	---	74.00	16.43	V	-0.36
7230.000	---	48.69	54.00	5.31	V	-0.36
9405.000	44.59	---	74.00	29.41	V	2.04
9480.000	---	32.66	54.00	21.34	V	1.97
12060.000	---	33.06	54.00	20.94	V	4.80
12075.000	45.19	---	74.00	28.81	V	4.62
14415.000	48.52	---	74.00	25.48	V	9.48
14430.000	---	35.91	54.00	18.09	V	9.48
17520.000	50.41	---	74.00	23.59	V	14.77
18000.000	---	39.65	54.00	14.35	V	15.80



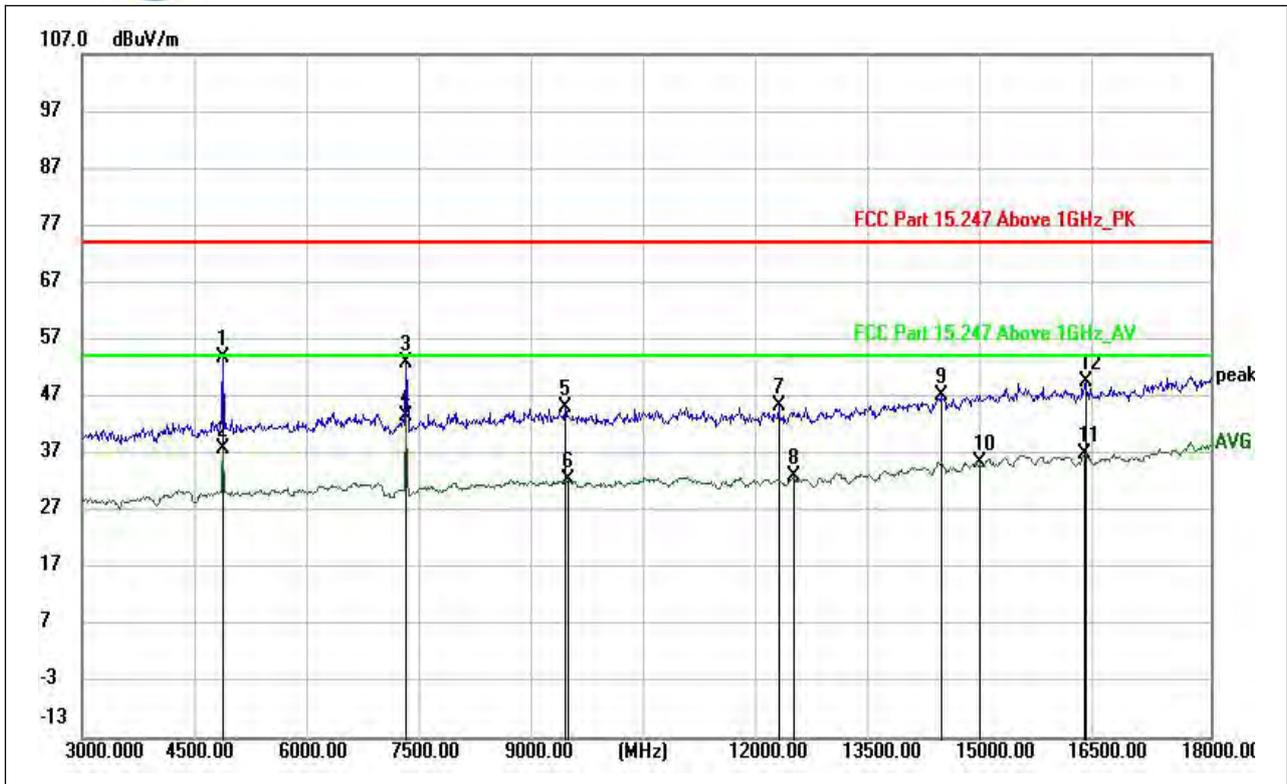
(802.11b _2437MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB/m)
47.3255	15.02	40.00	24.98	H	15.49
110.5687	14.12	43.50	29.38	H	14.70
159.7844	25.83	43.50	17.67	H	12.13
375.9385	34.95	46.00	11.05	H	18.54
533.8321	34.67	46.00	11.33	H	22.25
890.7278	33.38	46.00	12.62	H	27.86



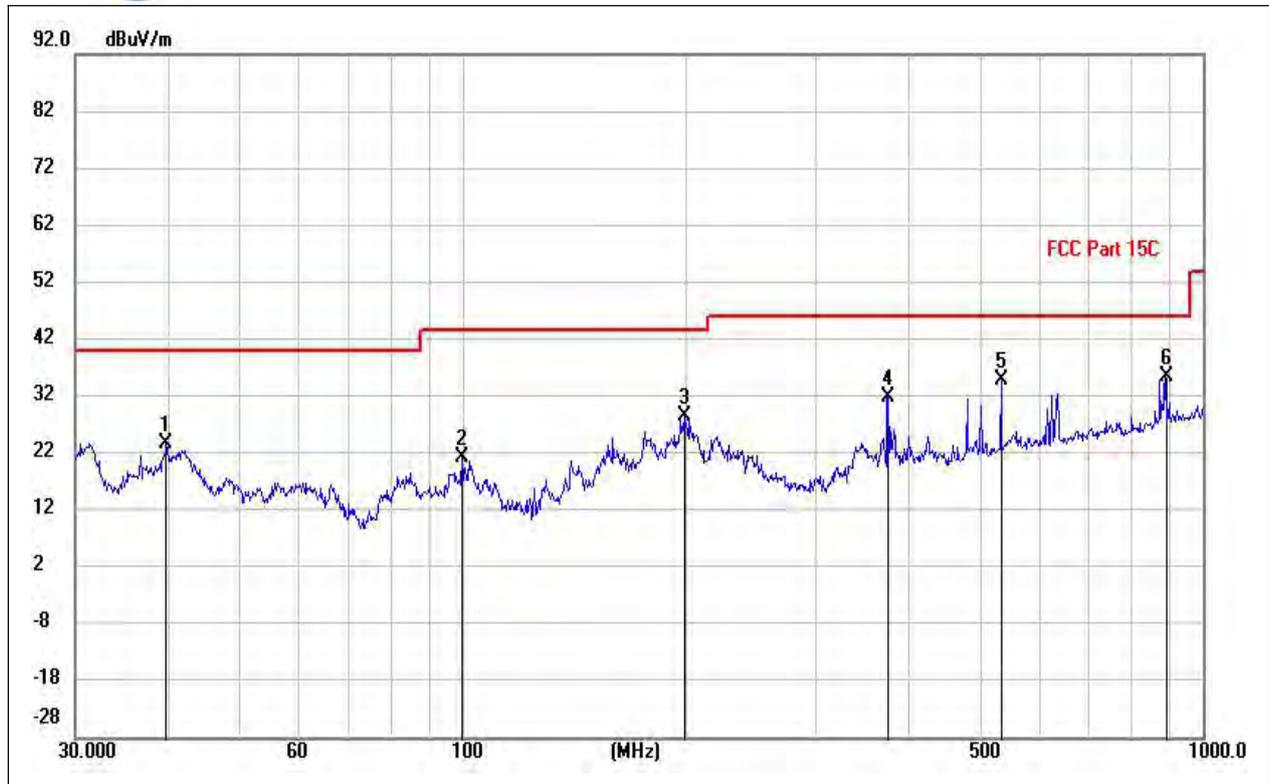
(802.11b _2437MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	QuasiPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1016.616	42.99	---	74.00	31.01	H	29.24
1018.852	---	29.80	54.00	24.20	H	29.13
1196.109	43.14	---	74.00	30.86	H	31.52
1202.697	---	30.20	54.00	23.80	H	31.67
1528.160	46.10	---	74.00	27.90	H	34.28
1531.521	---	33.38	54.00	20.62	H	34.36
1933.182	49.72	---	74.00	24.28	H	37.33
1948.106	---	37.26	54.00	16.74	H	37.68
2269.512	52.85	---	74.00	21.15	H	40.48
2269.512	---	40.04	54.00	13.96	H	40.48
2944.491	58.78	---	74.00	15.22	H	45.24
2950.968	---	45.34	54.00	8.66	H	45.25



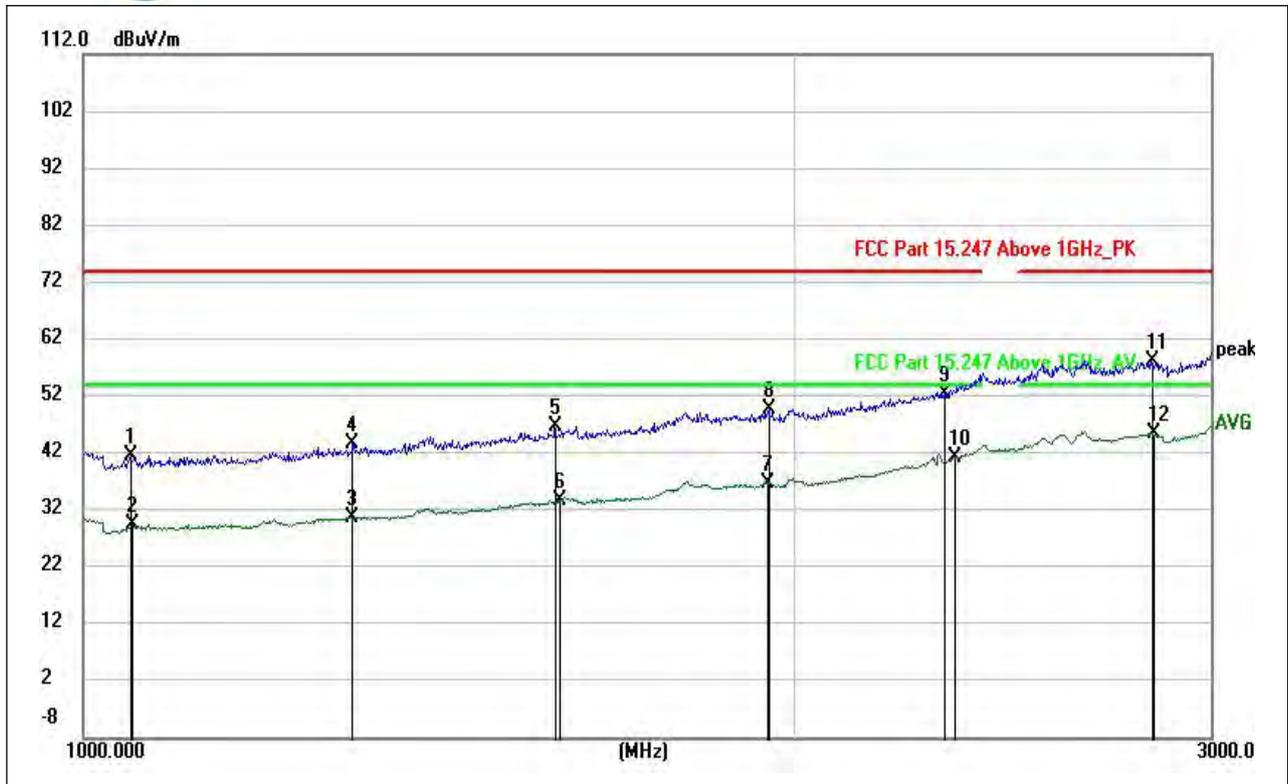
(802.11b _2437MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	QuasiPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
4875.000	53.65	---	74.00	20.35	H	-2.86
4875.000	---	37.93	54.00	16.07	H	-2.86
7305.000	52.97	---	74.00	21.03	H	-0.26
7305.000	---	43.55	54.00	10.45	H	-0.26
9420.000	44.99	---	74.00	29.01	H	2.00
9465.000	---	32.35	54.00	21.65	H	1.77
12255.000	45.35	---	74.00	28.65	H	4.04
12465.000	---	33.01	54.00	20.99	H	4.79
14415.000	47.11	---	74.00	26.89	H	9.30
14940.000	---	35.52	54.00	18.48	H	9.57
16320.000	---	36.87	54.00	17.13	H	11.74
16335.000	49.55	---	74.00	24.45	H	11.70



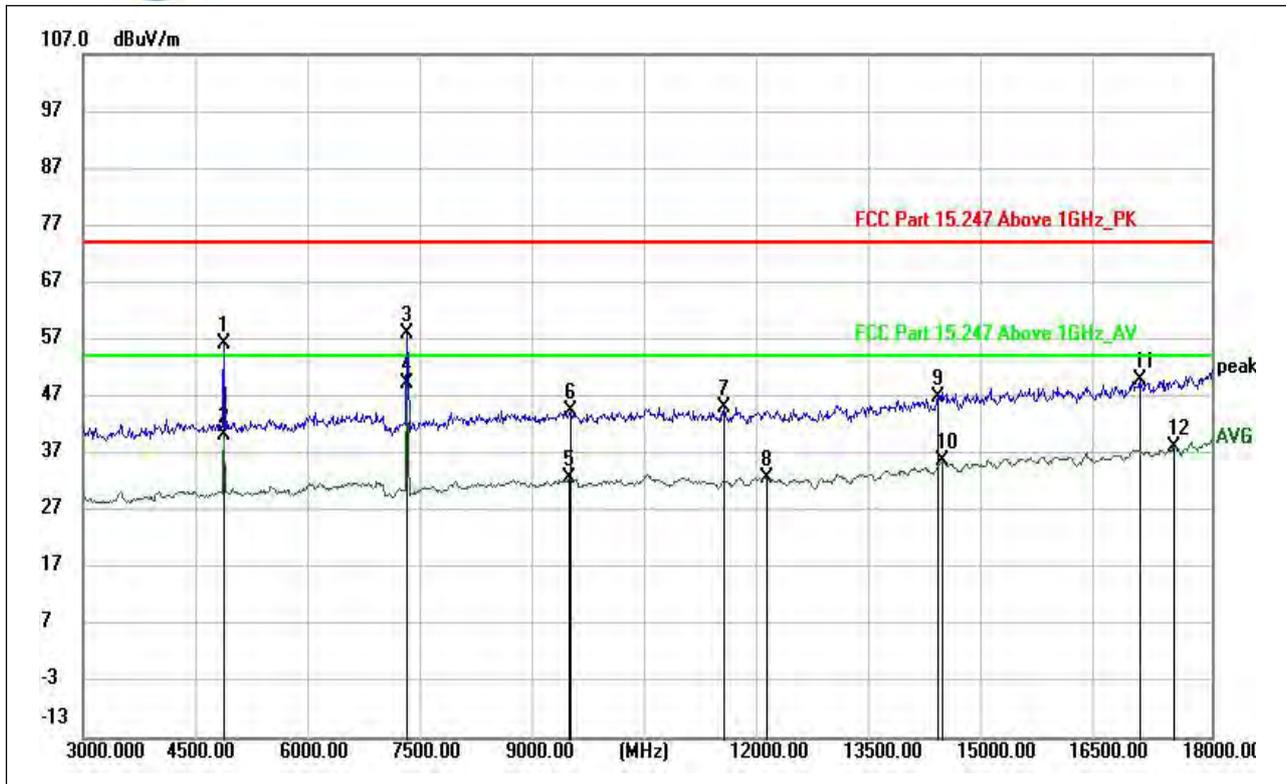
(802.11b _2437MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB/m)
39.8542	23.59	40.00	16.41	V	15.48
99.8777	21.32	43.50	22.18	V	15.09
199.2855	28.48	43.50	15.02	V	14.25
375.9385	31.85	46.00	14.15	V	18.54
533.8321	34.74	46.00	11.26	V	22.25
890.7278	35.59	46.00	10.41	V	27.86



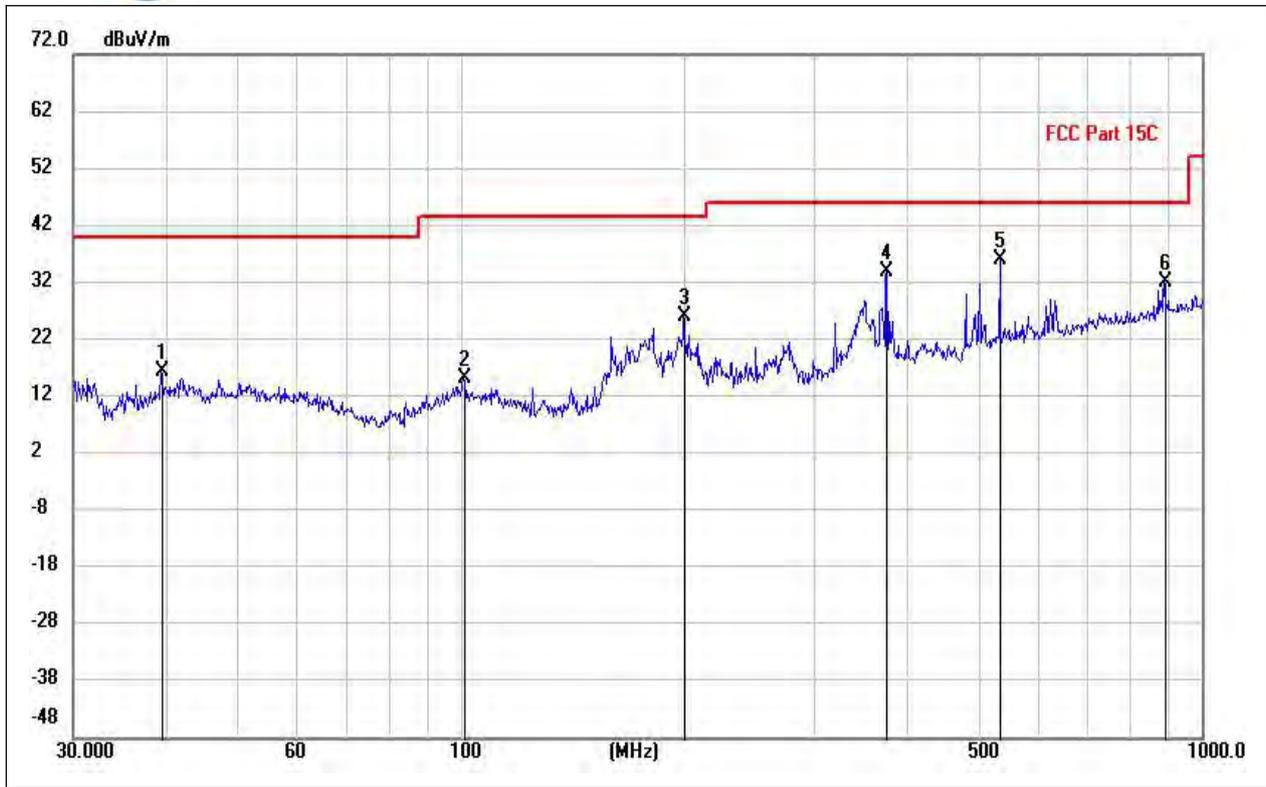
(802.11b _2437MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1047.223	41.71	---	74.00	32.29	V	30.20
1049.526	---	29.60	54.00	24.40	V	30.43
1298.838	---	30.82	54.00	23.18	V	32.06
1300.265	43.67	---	74.00	30.33	V	32.07
1582.839	46.62	---	74.00	27.38	V	34.85
1589.810	---	33.78	54.00	20.22	V	35.04
1948.106	---	36.91	54.00	17.09	V	37.68
1950.247	49.77	---	74.00	24.23	V	37.62
2314.838	52.53	---	74.00	21.47	V	40.98
2335.273	---	41.30	54.00	12.70	V	41.55
2830.309	58.14	---	74.00	15.86	V	44.74
2836.535	---	45.47	54.00	8.53	V	44.90



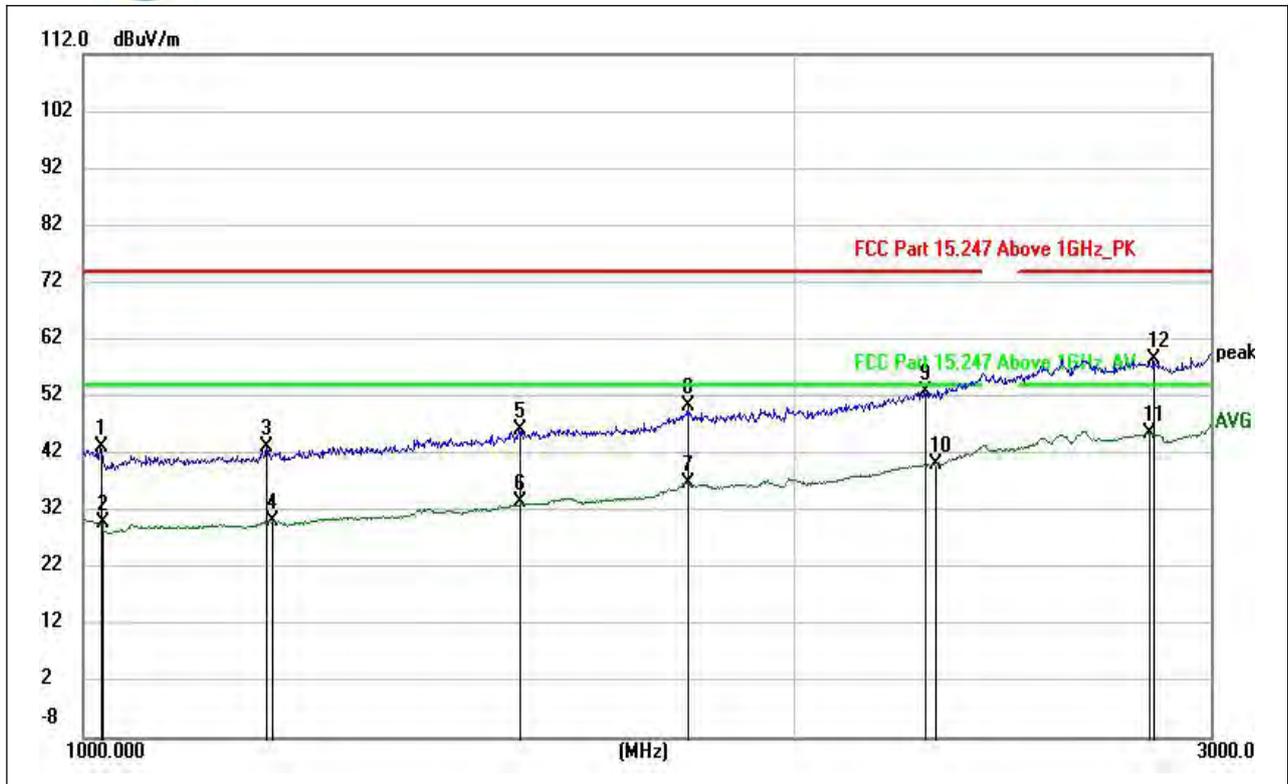
(802.11b_2437MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
4875.000	56.08	---	74.00	17.92	V	-2.86
4875.000	---	40.29	54.00	13.71	V	-2.86
7305.000	58.08	---	74.00	15.92	V	-0.26
7305.000	---	49.13	54.00	4.87	V	-0.26
9465.000	---	32.59	54.00	21.41	V	2.03
9480.000	44.41	---	74.00	29.59	V	1.97
11520.000	45.04	---	74.00	28.96	V	3.78
12090.000	---	32.82	54.00	21.18	V	4.43
14355.000	46.74	---	74.00	27.26	V	9.11
14430.000	---	35.62	54.00	18.38	V	9.48
17040.000	50.00	---	74.00	24.00	V	12.91
17505.000	---	38.19	54.00	15.81	V	14.95



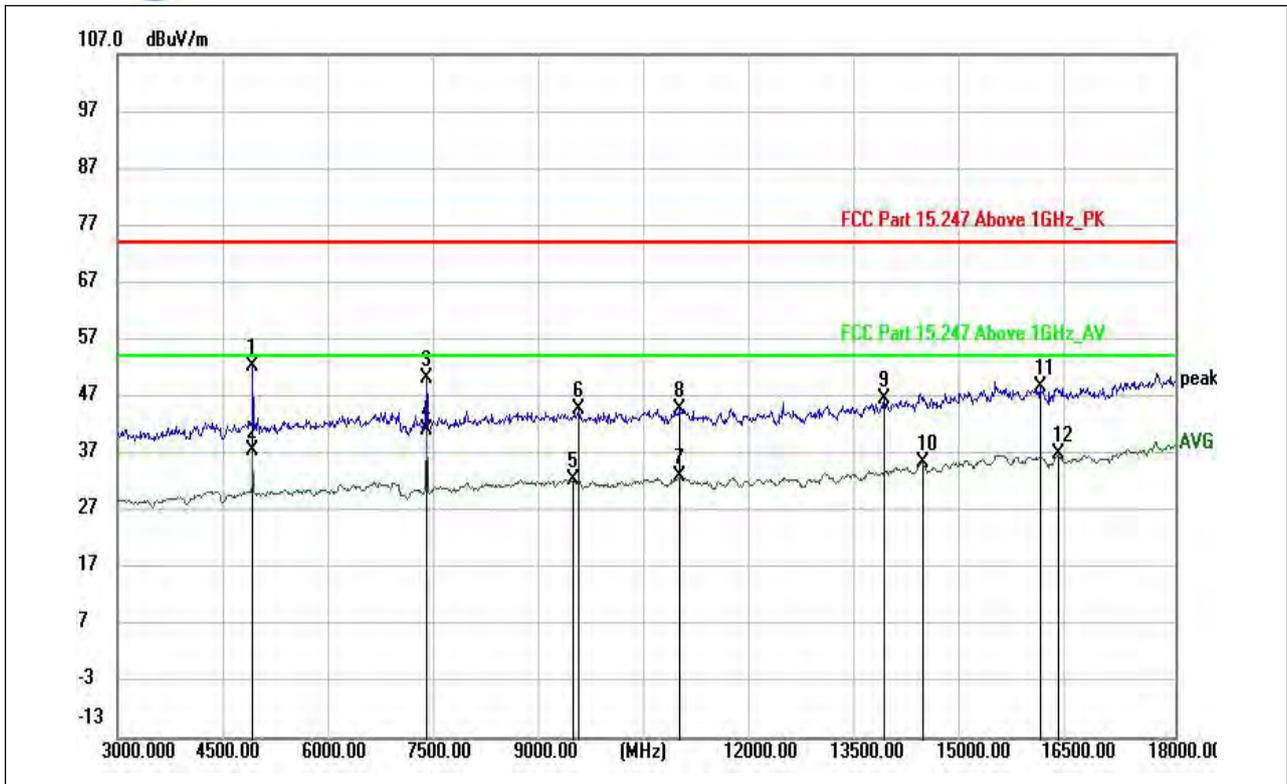
(802.11b _2462MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB/m)
39.4372	16.46	40.00	23.54	H	14.85
100.9340	15.10	43.50	28.40	H	15.00
199.9856	26.10	43.50	17.40	H	14.36
375.9385	33.86	46.00	12.14	H	18.54
533.8321	36.01	46.00	9.99	H	22.25
890.7278	32.06	46.00	13.94	H	27.86



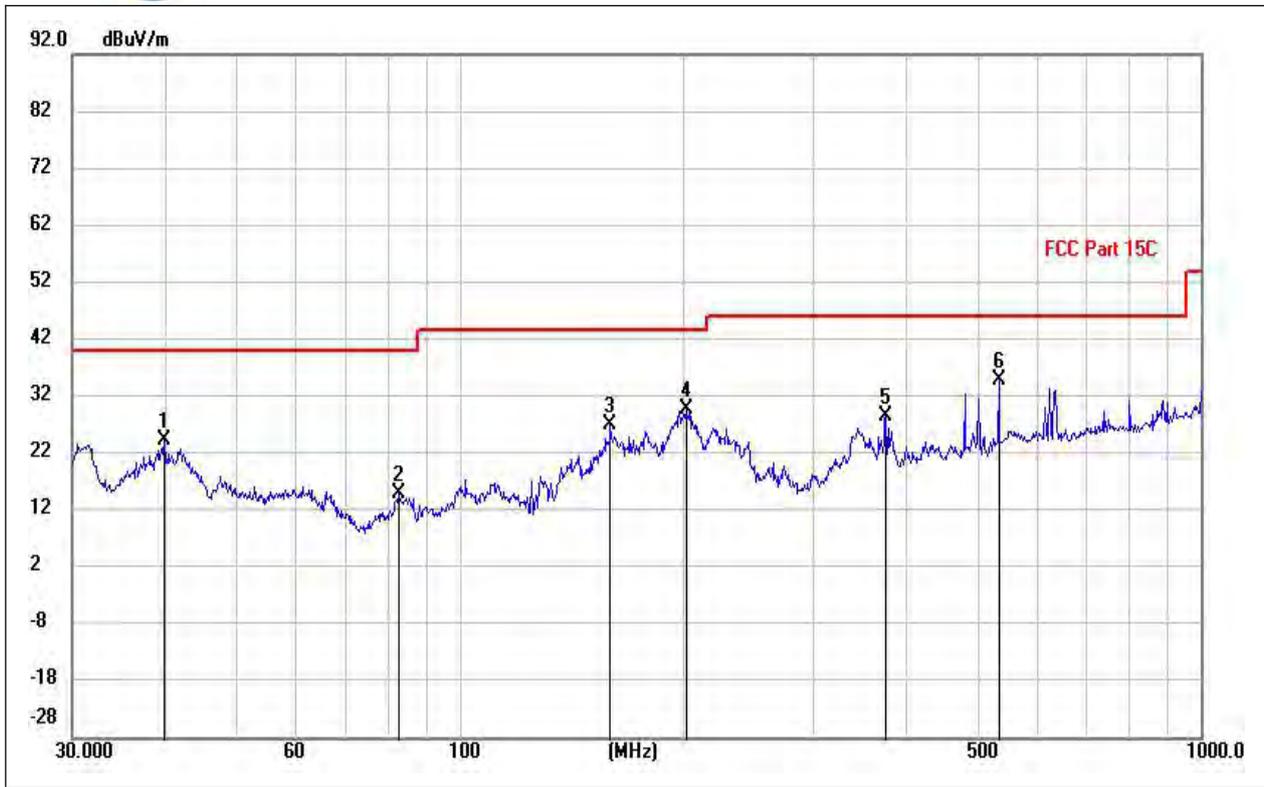
(802.11b _2462MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	QuasiPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1016.616	42.99	---	74.00	31.01	H	29.24
1018.852	---	29.80	54.00	24.20	H	29.13
1196.109	43.14	---	74.00	30.86	H	31.52
1202.697	---	30.20	54.00	23.80	H	31.67
1528.160	46.10	---	74.00	27.90	H	34.28
1531.521	---	33.38	54.00	20.62	H	34.36
1799.948	---	36.89	54.00	17.11	H	37.96
1801.926	50.45	---	74.00	23.55	H	37.82
2269.512	52.85	---	74.00	21.15	H	40.48
2292.063	---	40.15	54.00	13.85	H	40.56
2827.201	---	45.47	54.00	8.53	H	44.66
2836.535	58.34	---	74.00	15.66	H	44.90



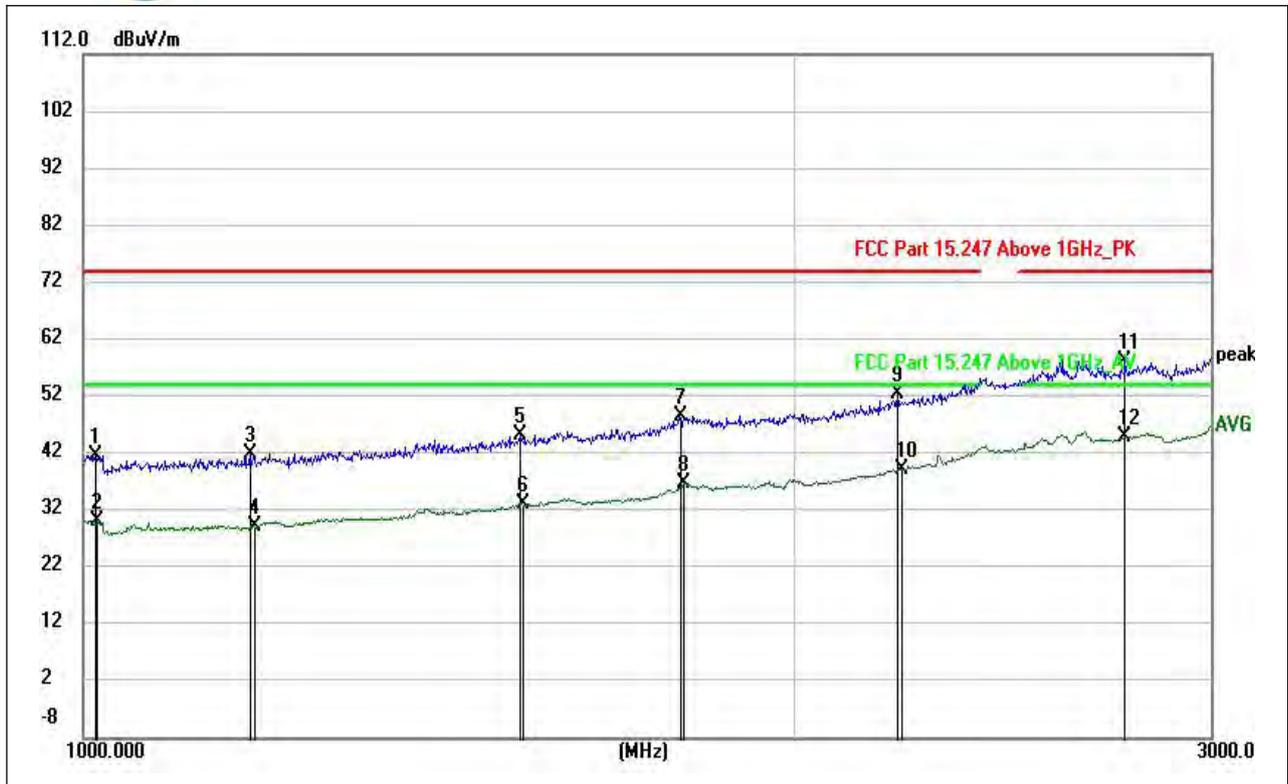
(802.11b _2462MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
4920.000	52.24	---	74.00	21.76	H	-2.72
4920.000	---	37.52	54.00	16.48	H	-2.72
7380.000	50.29	---	74.00	23.71	H	-0.33
7380.000	---	41.00	54.00	13.00	H	-0.33
9465.000	---	32.38	54.00	21.62	H	1.77
9540.000	44.72	---	74.00	29.28	H	2.11
10965.000	---	32.83	54.00	21.17	H	3.33
10980.000	44.80	---	74.00	29.20	H	3.32
13875.000	46.64	---	74.00	27.36	H	7.42
14415.000	---	35.27	54.00	18.73	H	9.30
16080.000	48.59	---	74.00	25.41	H	11.28
16335.000	---	36.89	54.00	17.11	H	11.70



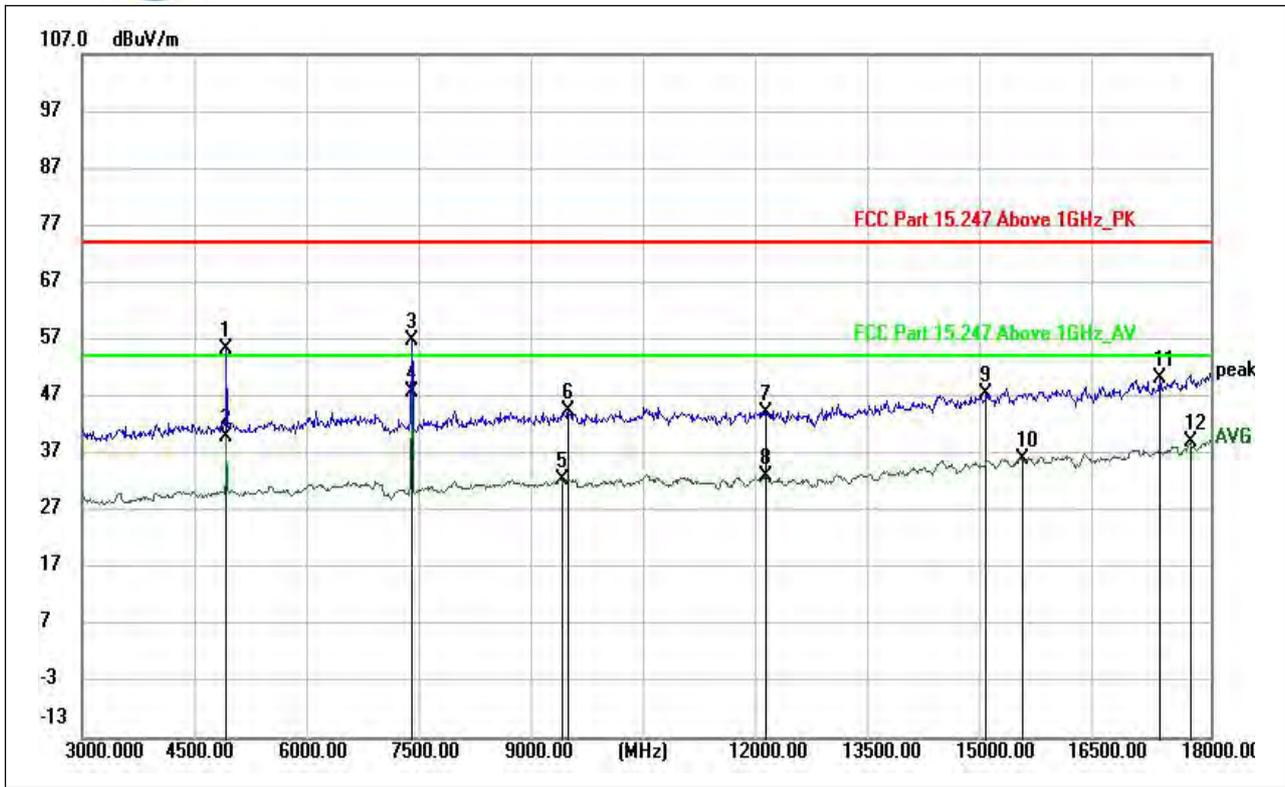
(802.11b _2462MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB/m)
39.9942	24.40	40.00	15.60	V	15.69
82.6482	14.90	40.00	25.10	V	10.10
159.7844	26.96	43.50	16.54	V	12.13
202.1005	29.67	43.50	13.83	V	13.95
375.9385	28.55	46.00	17.45	V	18.54
533.8321	34.78	46.00	11.22	V	22.25



(802.11b _2462MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1012.158	41.55	---	74.00	32.45	V	29.44
1014.384	---	30.01	54.00	23.99	V	29.34
1176.560	41.92	---	74.00	32.08	V	30.45
1180.444	---	29.24	54.00	24.76	V	30.50
1529.840	45.28	---	74.00	28.72	V	34.32
1533.205	---	33.29	54.00	20.71	V	34.38
1788.122	48.54	---	74.00	25.46	V	36.95
1795.997	---	36.66	54.00	17.34	V	37.68
2210.454	52.39	---	74.00	21.61	V	39.94
2220.189	---	39.28	54.00	14.72	V	40.09
2759.688	58.05	---	74.00	15.95	V	44.65
2759.688	---	44.89	54.00	9.11	V	44.65

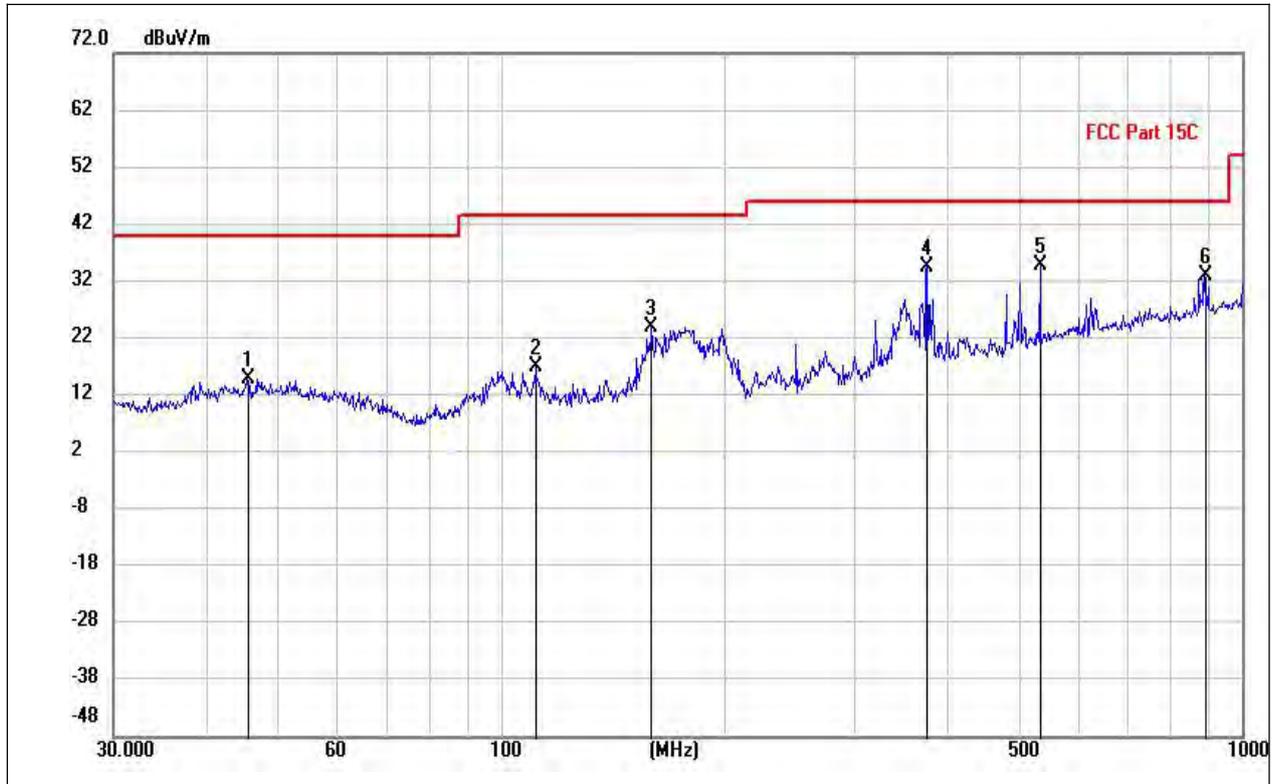


(802.11b_2462MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
4920.000	55.27	---	74.00	18.73	V	-2.72
4920.000	---	39.78	54.00	14.22	V	-2.72
7380.000	56.66	---	74.00	17.34	V	-0.33
7380.000	---	47.81	54.00	6.19	V	-0.33
9375.000	---	32.46	54.00	21.54	V	1.94
9465.000	44.53	---	74.00	29.47	V	2.03
12090.000	44.20	---	74.00	29.80	V	4.43
12090.000	---	32.98	54.00	21.02	V	4.43
15015.000	47.40	---	74.00	26.60	V	10.70
15495.000	---	36.14	54.00	17.86	V	10.36
17325.000	50.30	---	74.00	23.70	V	13.15
17730.000	---	39.01	54.00	14.99	V	14.93

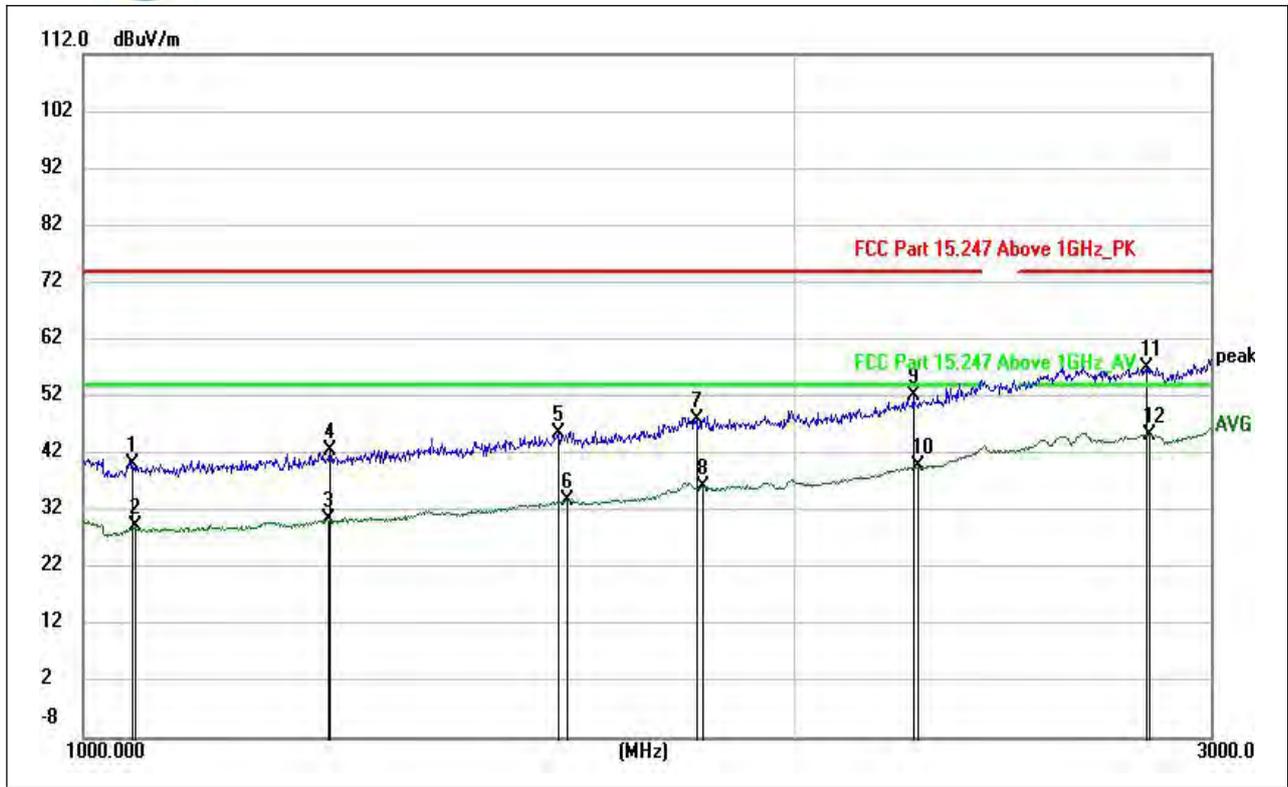


802.11g Test mode



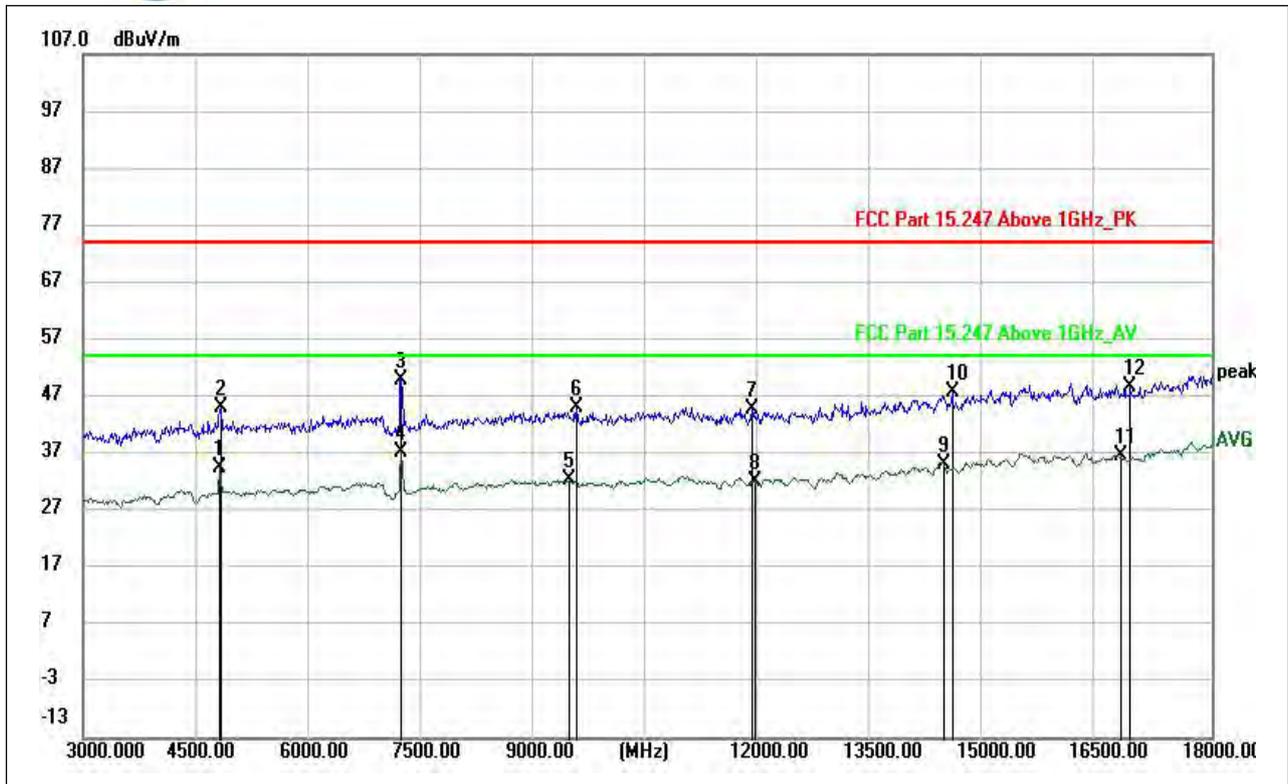
(802.11g _2412MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
45.3755	14.92	40.00	25.08	H	15.46
111.3468	17.08	43.50	26.42	H	14.37
159.7844	23.76	43.50	19.74	H	12.13
375.9385	34.47	46.00	11.53	H	18.54
533.8321	34.75	46.00	11.25	H	22.25
890.7278	32.87	46.00	13.13	H	27.86



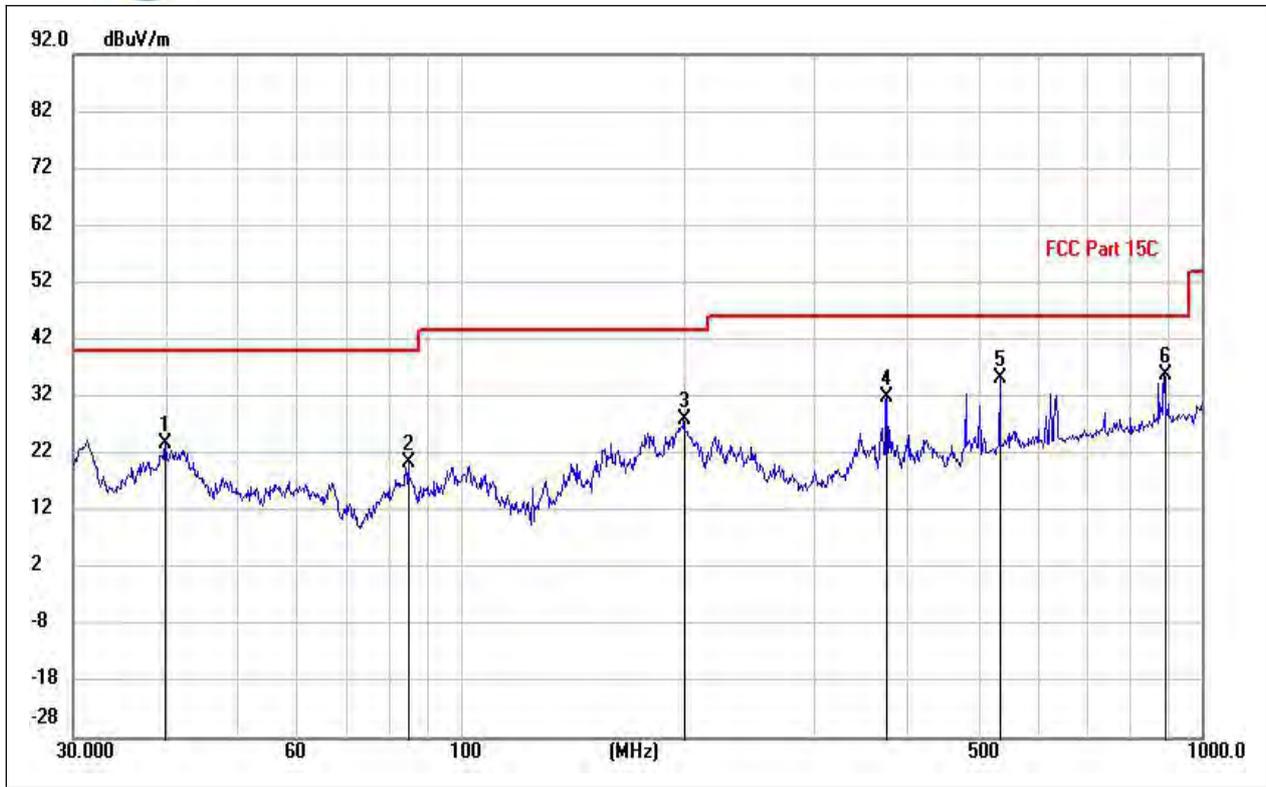
(802.11g _2412MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1048.374	40.06	---	74.00	33.94	H	30.31
1052.991	---	29.18	54.00	24.82	H	30.26
1267.822	---	30.39	54.00	23.61	H	31.84
1272.007	42.36	---	74.00	31.64	H	31.86
1588.064	45.50	---	74.00	28.50	H	35.00
1602.083	---	33.90	54.00	20.10	H	35.41
1817.833	47.99	---	74.00	26.01	H	36.79
1829.855	---	36.15	54.00	17.85	H	37.08
2244.715	52.01	---	74.00	21.99	H	40.29
2257.079	---	39.69	54.00	14.31	H	40.40
2817.898	57.09	---	74.00	16.91	H	44.62
2827.201	---	45.33	54.00	8.67	H	44.66



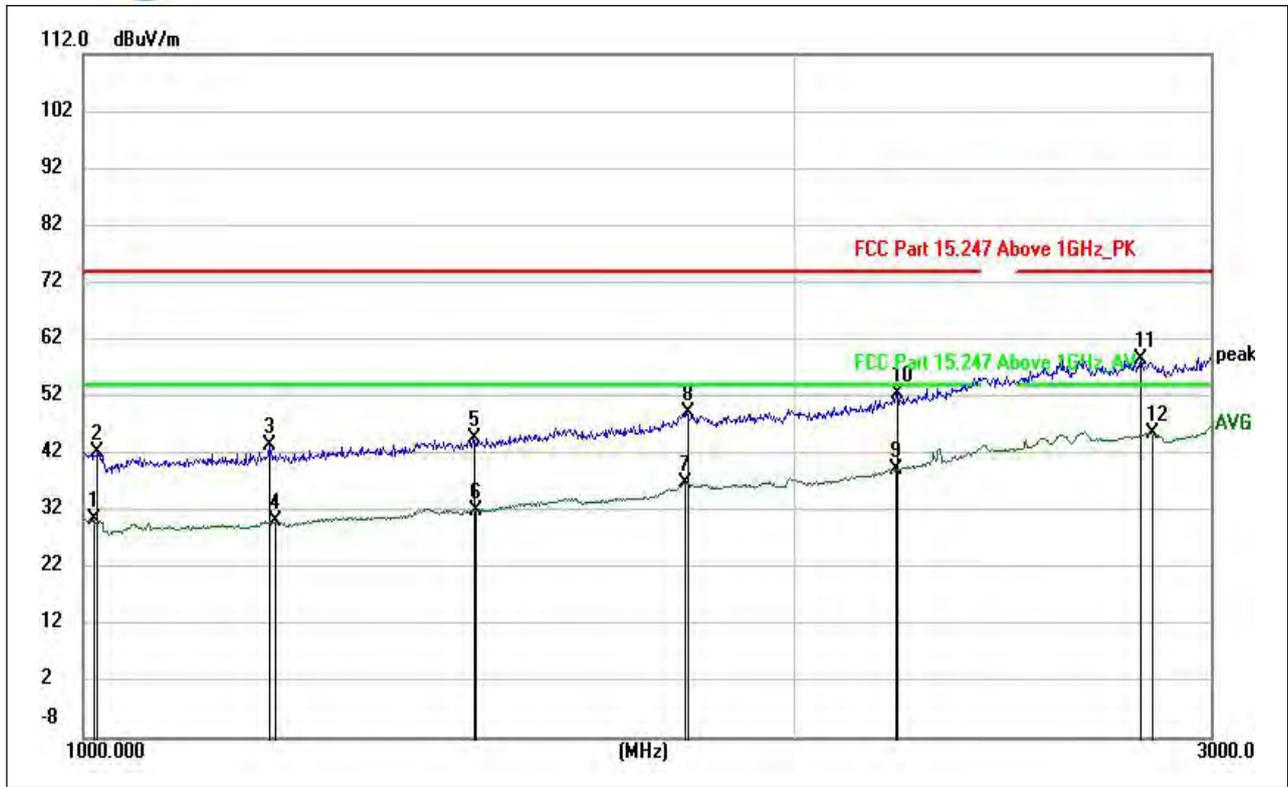
(802.11g _2412MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
4815.000	---	34.58	54.00	19.42	H	-3.28
4830.000	44.92	---	74.00	29.08	H	-3.17
7230.000	49.95	---	74.00	24.05	H	-0.36
7230.000	---	37.32	54.00	16.68	H	-0.36
9465.000	---	32.38	54.00	21.62	H	1.77
9555.000	45.06	---	74.00	28.94	H	2.33
11895.000	44.64	---	74.00	29.36	H	3.66
11925.000	---	32.19	54.00	21.81	H	3.80
14445.000	---	34.97	54.00	19.03	H	8.73
14550.000	47.87	---	74.00	26.13	H	8.62
16785.000	---	36.50	54.00	17.50	H	11.41
16920.000	48.54	---	74.00	25.46	H	11.24



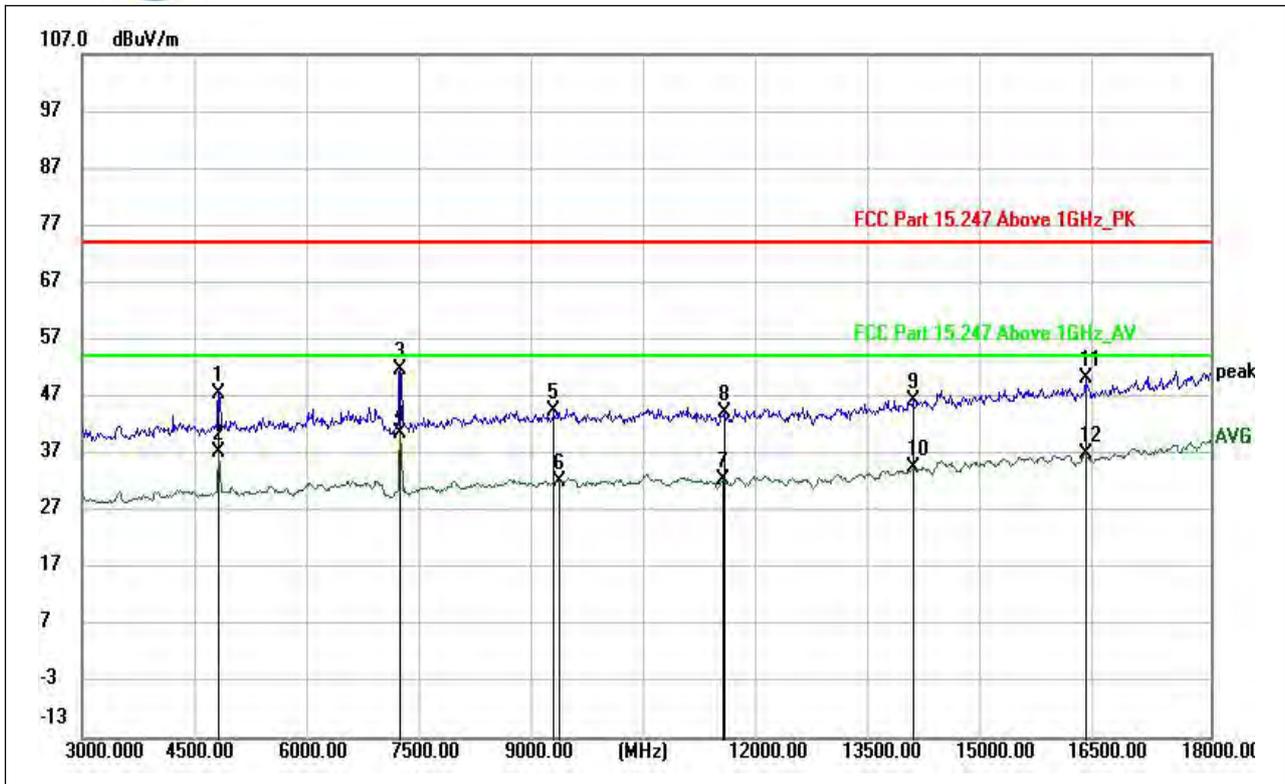
(802.11g _2412MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB/m)
39.9942	23.75	40.00	16.25	V	15.69
84.9995	20.46	40.00	19.54	V	10.67
199.9856	28.01	43.50	15.49	V	14.36
375.9385	31.70	46.00	14.30	V	18.54
533.8321	35.06	46.00	10.94	V	18.24
890.7278	35.63	46.00	10.37	V	22.41



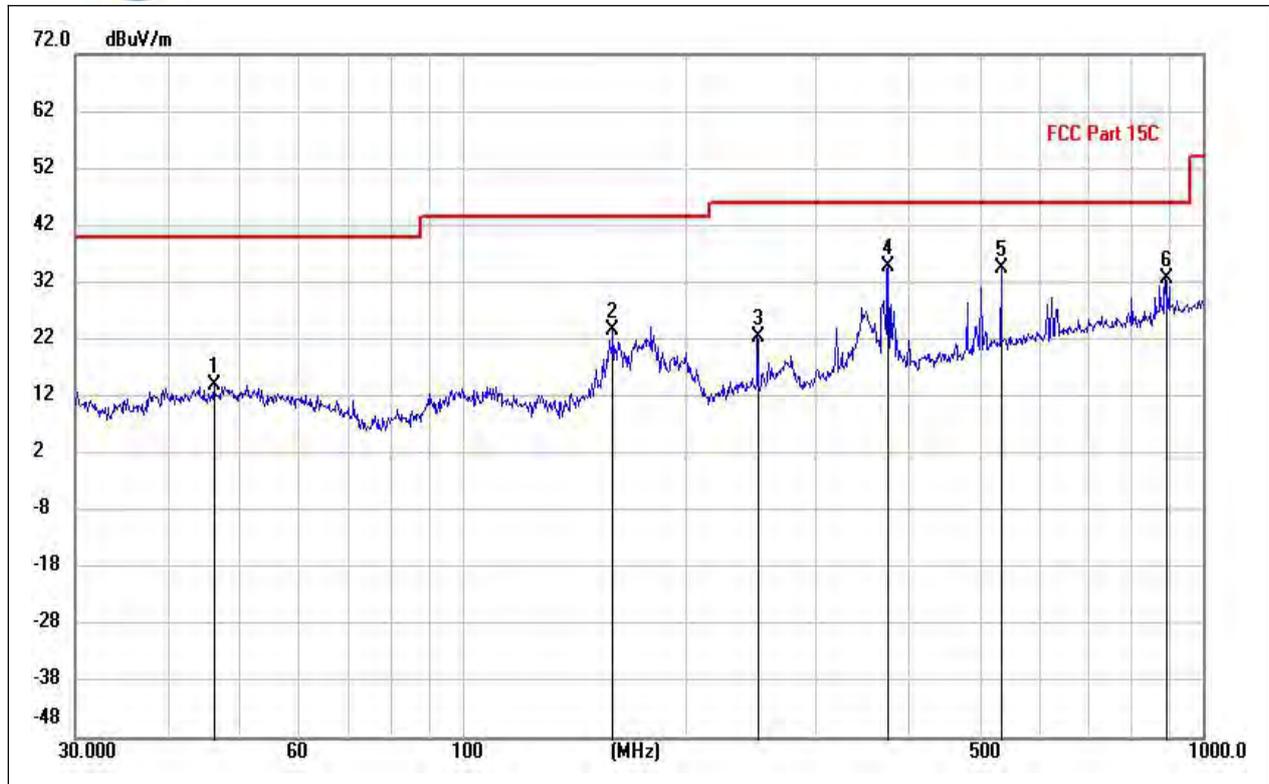
(802.11g _2412MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	QuasiPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1009.937	---	30.31	54.00	23.69	V	29.54
1014.384	42.17	---	74.00	31.83	V	29.34
1198.740	43.41	---	74.00	30.59	V	31.71
1205.343	---	30.19	54.00	23.81	V	31.53
1462.460	44.47	---	74.00	29.53	V	33.40
1465.677	---	32.00	54.00	22.00	V	33.40
1797.971	---	36.92	54.00	17.08	V	37.82
1799.948	49.06	---	74.00	24.94	V	37.96
2205.603	---	39.27	54.00	14.73	V	39.88
2210.454	52.39	---	74.00	21.61	V	39.94
2802.462	58.47	---	74.00	15.53	V	45.90
2830.309	---	45.54	54.00	8.46	V	44.74



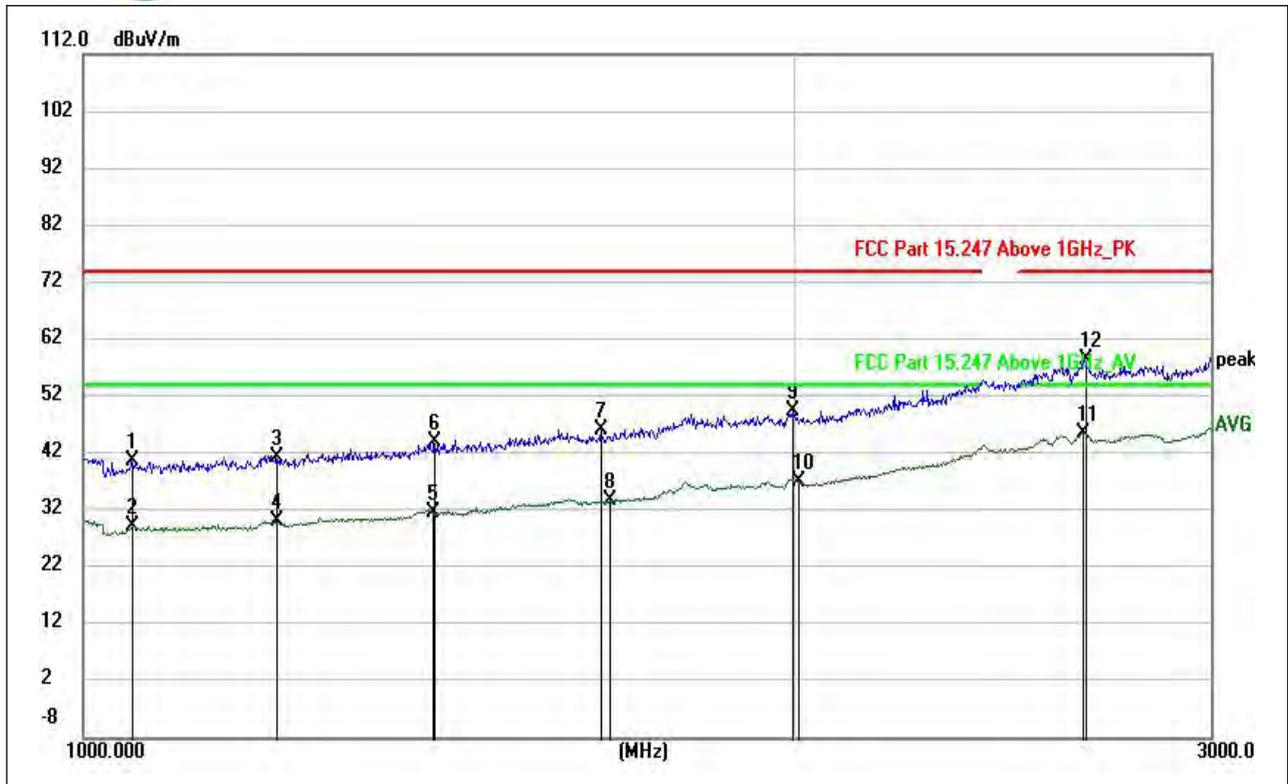
(802.11g _2412MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	QuasiPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
4815.000	47.59	---	74.00	26.41	V	-3.28
4815.000	---	37.20	54.00	16.80	V	-3.28
7230.000	51.65	---	74.00	22.35	V	-0.36
7230.000	---	40.47	54.00	13.53	V	-0.36
9270.000	44.39	---	74.00	29.61	V	2.36
9345.000	---	32.21	54.00	21.79	V	1.75
11520.000	---	32.27	54.00	21.73	V	3.78
11535.000	44.13	---	74.00	29.87	V	3.65
14040.000	46.30	---	74.00	27.70	V	8.17
14040.000	---	34.42	54.00	19.58	V	8.17
16335.000	50.21	---	74.00	23.79	V	11.70
16335.000	---	36.95	54.00	17.05	V	11.70



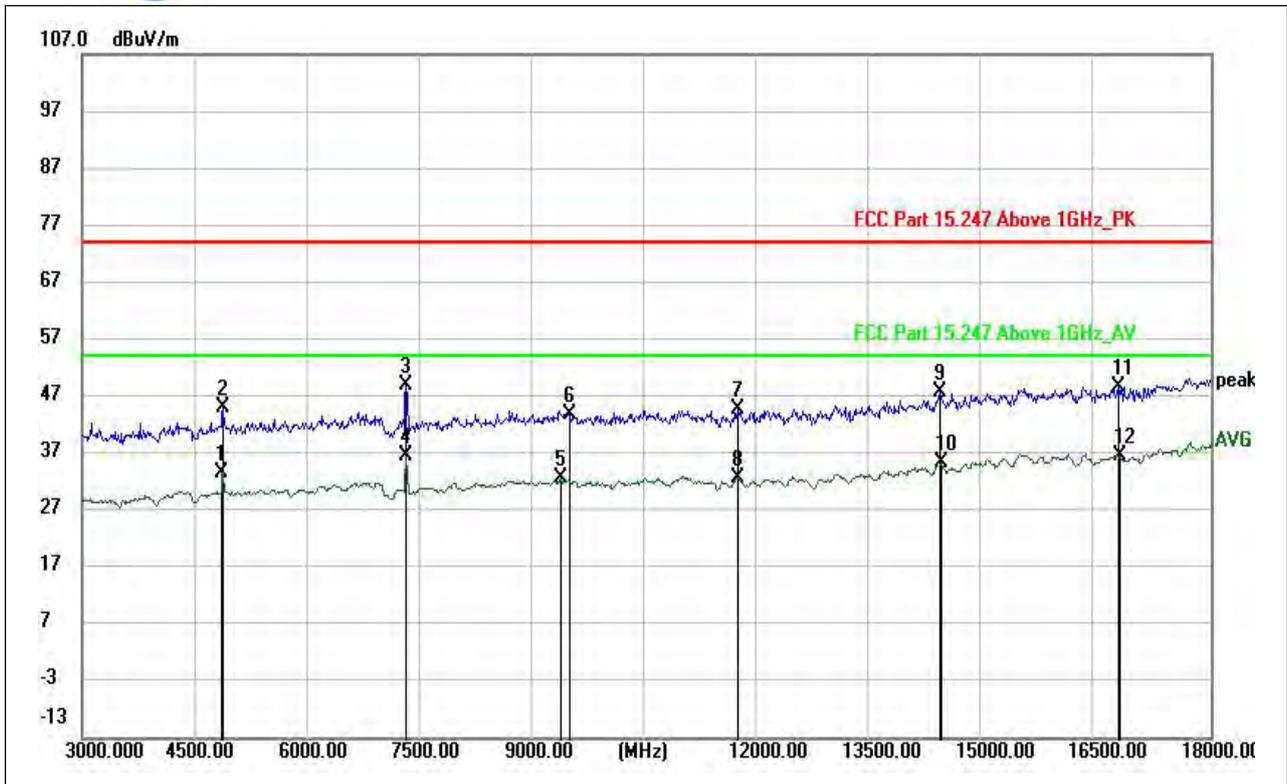
(802.11g _2437MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
46.1780	14.09	40.00	25.91	H	15.48
159.7844	23.63	43.50	19.87	H	12.13
250.3012	22.41	46.00	23.59	H	14.90
375.9385	34.88	46.00	11.12	H	18.54
533.8321	34.55	46.00	11.45	H	22.25
890.7278	32.59	46.00	13.41	H	27.86



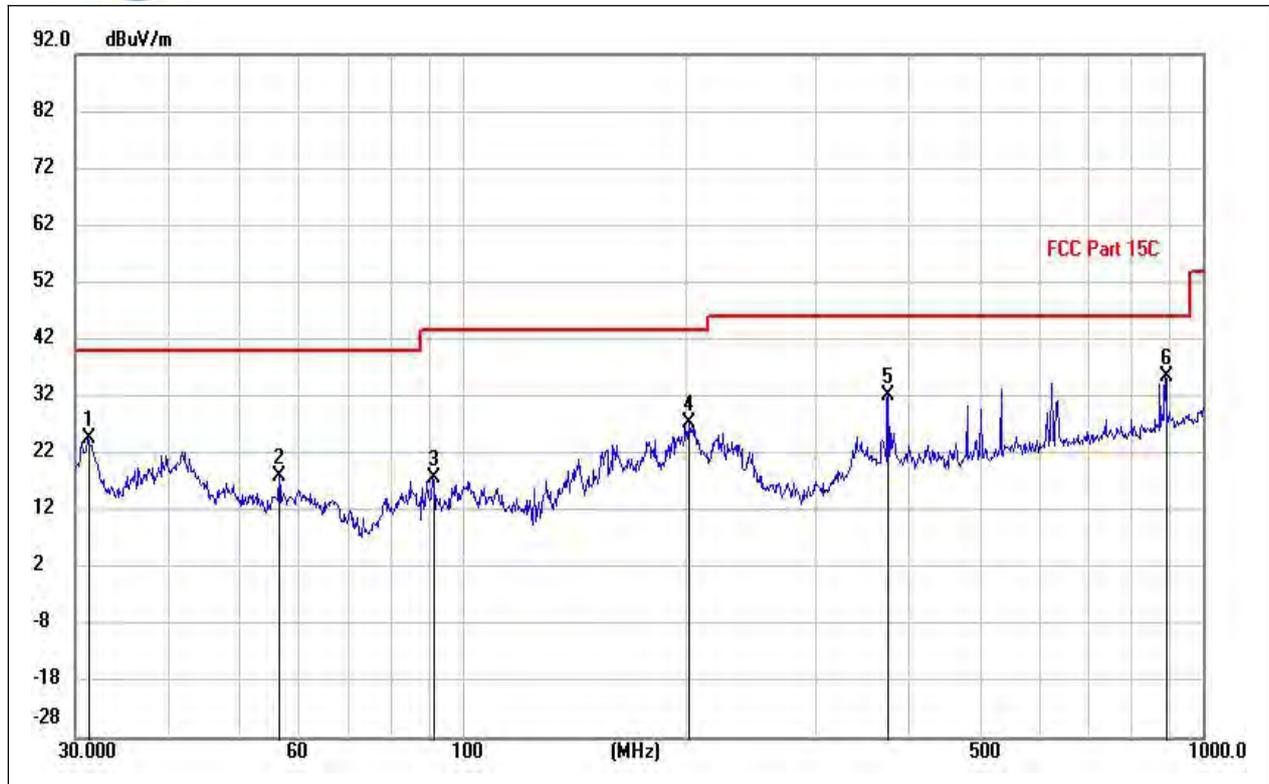
(802.11g _2437MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1048.374	40.61	---	74.00	33.39	H	30.31
1049.526	---	29.30	54.00	24.70	H	30.43
1206.668	41.37	---	74.00	32.63	H	31.47
1206.668	---	30.07	54.00	23.93	H	31.47
1404.205	---	31.70	54.00	22.30	H	33.34
1407.294	43.90	---	74.00	30.10	H	33.23
1655.765	46.06	---	74.00	27.94	H	34.81
1670.381	---	33.77	54.00	20.23	H	34.98
1995.764	49.40	---	74.00	24.60	H	38.14
2004.554	---	36.98	54.00	17.02	H	38.05
2649.760	---	45.57	54.00	8.43	H	45.45
2652.673	58.46	---	74.00	15.54	H	45.31



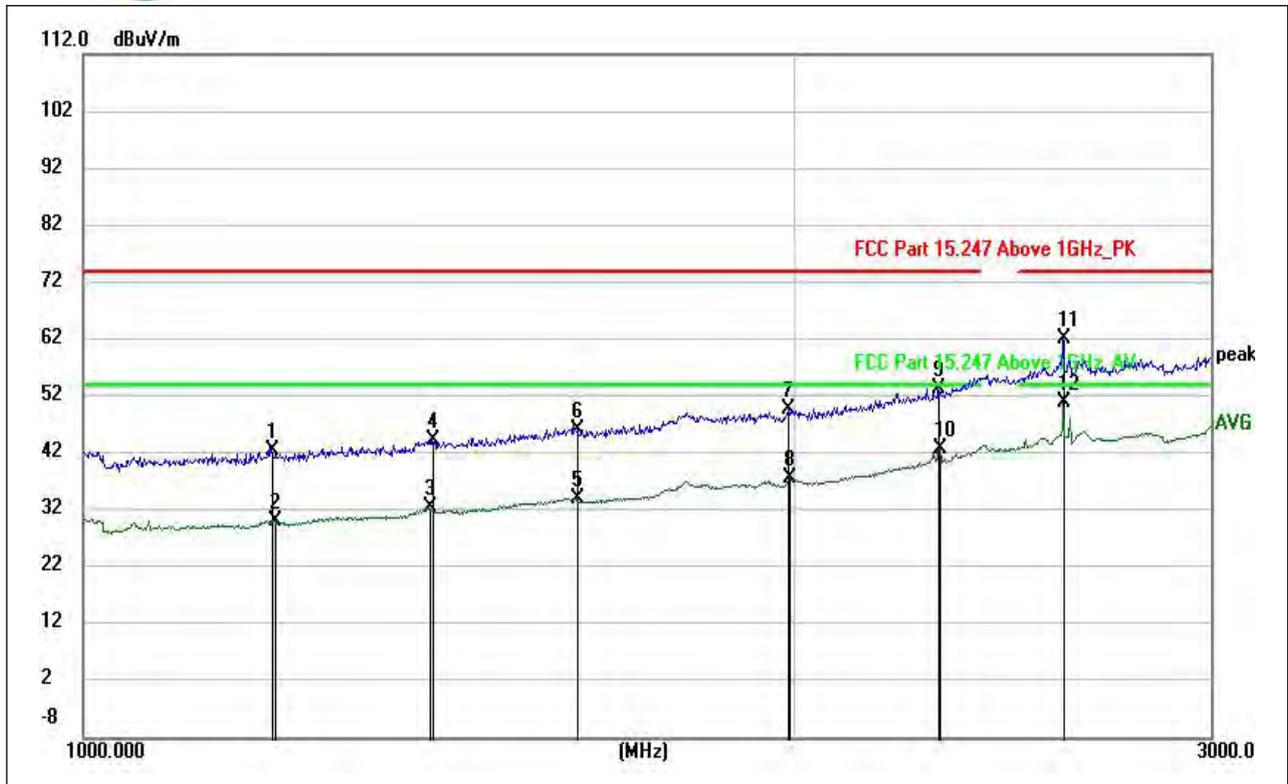
(802.11g _2437MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
4860.000	---	33.56	54.00	20.44	H	-2.95
4875.000	45.14	---	74.00	28.86	H	-2.86
7305.000	49.08	---	74.00	24.92	H	-0.26
7305.000	---	36.66	54.00	17.34	H	-0.26
9360.000	---	32.55	54.00	21.45	H	1.84
9480.000	43.98	---	74.00	30.02	H	1.65
11715.000	44.79	---	74.00	29.21	H	3.99
11715.000	---	32.75	54.00	21.25	H	3.99
14400.000	47.81	---	74.00	26.19	H	9.41
14415.000	---	35.52	54.00	18.48	H	9.30
16770.000	48.69	---	74.00	25.31	H	11.57
16785.000	---	36.67	54.00	17.33	H	11.41



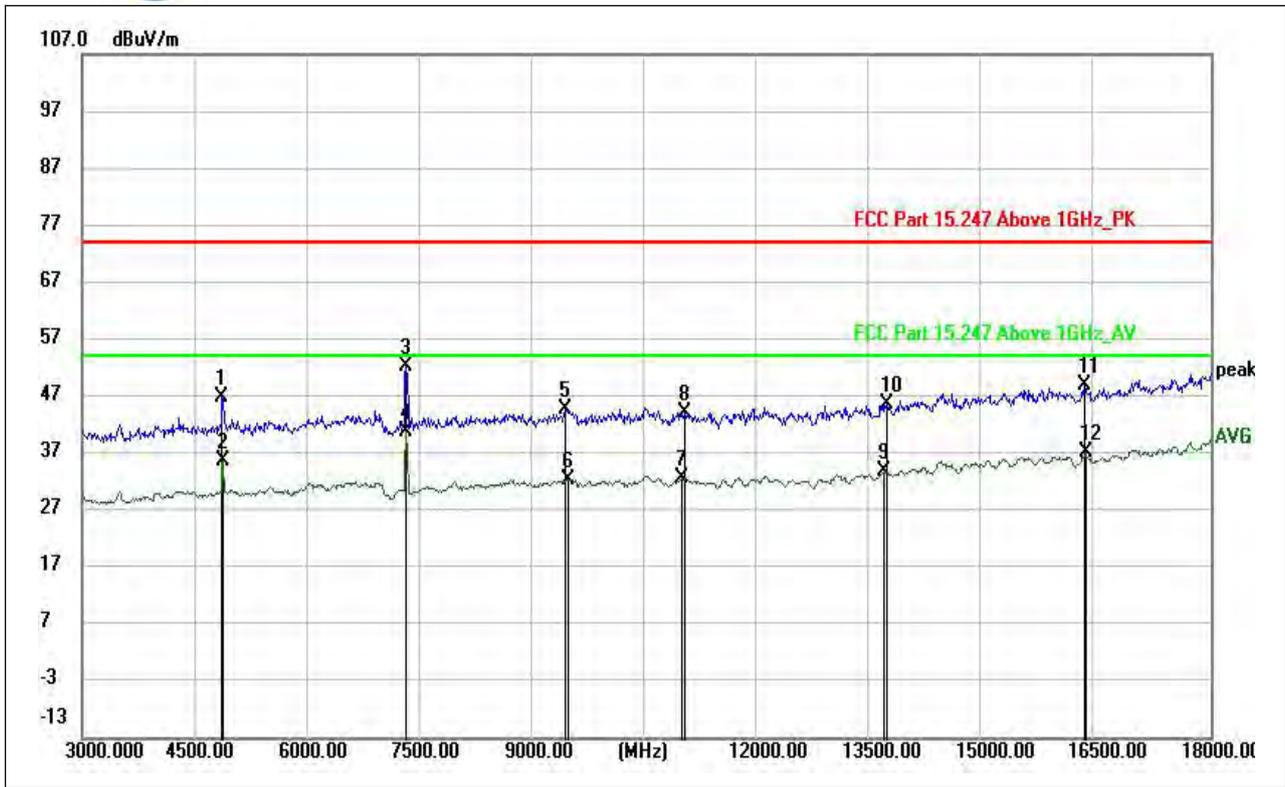
(802.11g _2437MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB/m)
31.1798	24.75	40.00	15.25	V	12.06
56.5929	18.08	40.00	21.92	V	14.69
91.1746	17.61	43.50	25.89	V	12.91
202.1005	27.26	43.50	16.24	V	13.95
375.9385	32.24	46.00	13.76	V	18.54
890.7278	35.35	46.00	10.65	V	27.86



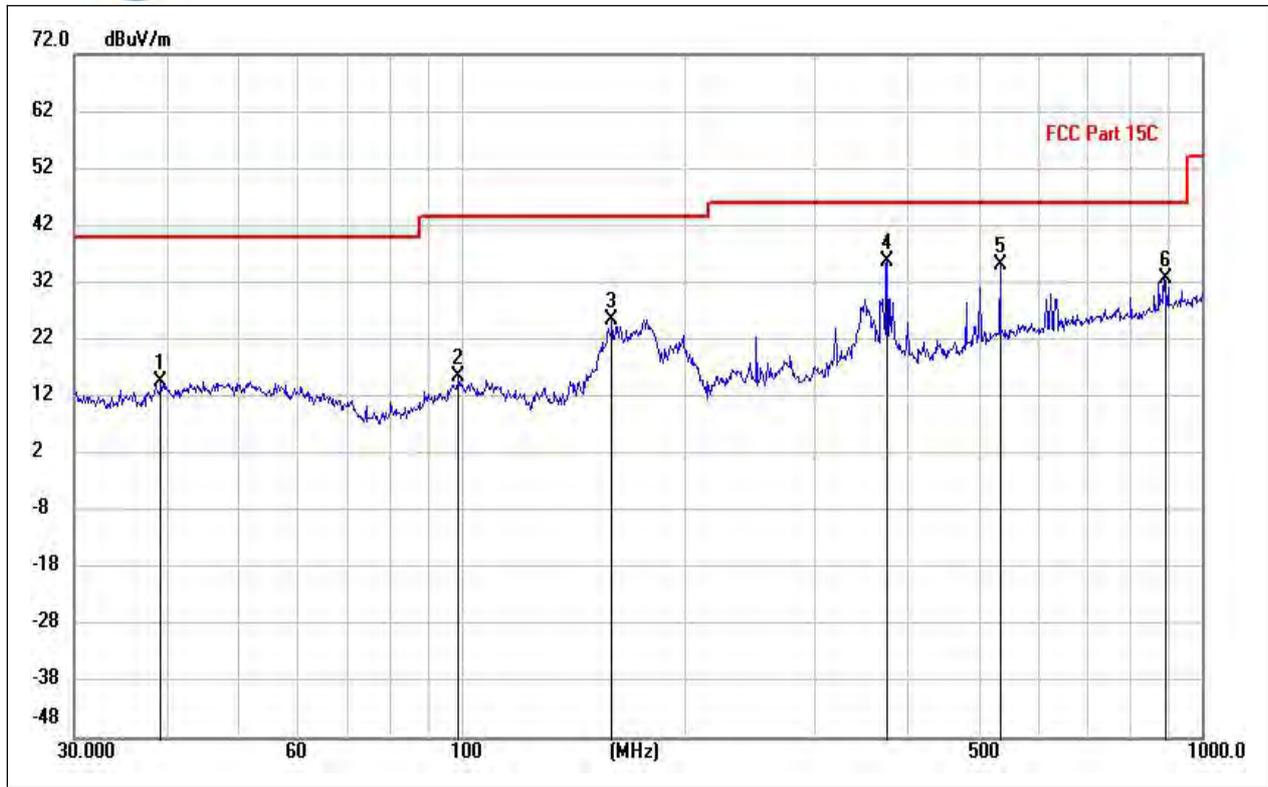
(802.11g _2437MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1201.377	42.54	---	74.00	31.46	V	31.73
1205.343	---	30.19	54.00	23.81	V	31.53
1401.123	---	32.53	54.00	21.47	V	33.46
1404.205	44.36	---	74.00	29.64	V	33.34
1616.226	---	33.96	54.00	20.04	V	34.85
1618.002	46.09	---	74.00	27.91	V	34.76
1987.013	49.59	---	74.00	24.41	V	38.01
1991.384	---	37.61	54.00	16.39	V	38.07
2299.630	53.26	---	74.00	20.74	V	40.58
2304.688	---	42.72	54.00	11.28	V	40.63
2597.876	62.04	---	74.00	11.96	V	45.12
2597.876	---	50.98	54.00	3.02	V	45.12



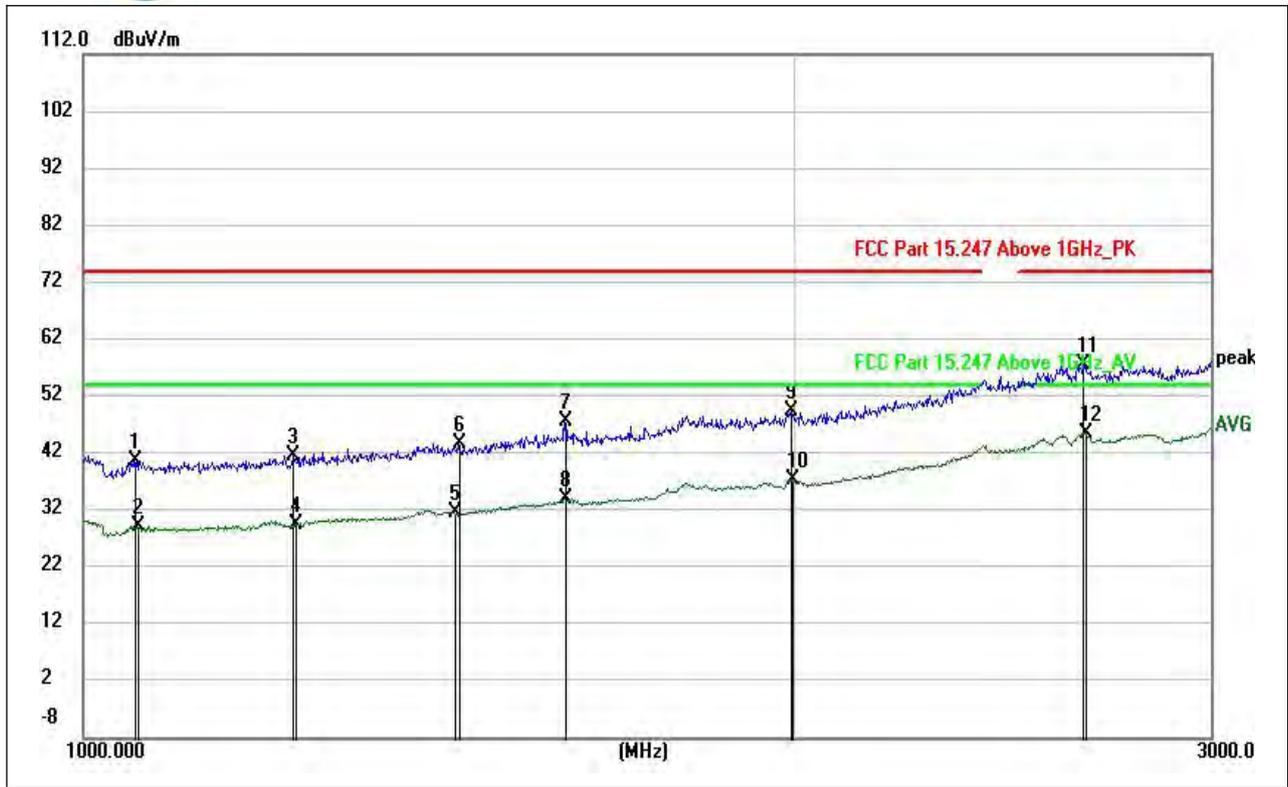
(802.11g _2437MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
4860.000	46.88	---	74.00	27.12	V	-2.95
4875.000	---	35.65	54.00	18.35	V	-2.86
7305.000	52.38	---	74.00	21.62	V	-0.26
7305.000	---	40.68	54.00	13.32	V	-0.26
9420.000	44.80	---	74.00	29.20	V	2.08
9465.000	---	32.52	54.00	21.48	V	2.03
10980.000	---	32.58	54.00	21.42	V	3.14
11010.000	44.15	---	74.00	29.85	V	3.26
13650.000	---	34.03	54.00	19.97	V	7.19
13695.000	45.58	---	74.00	28.42	V	7.11
16320.000	48.97	---	74.00	25.03	V	11.74
16335.000	---	37.11	54.00	16.89	V	11.70



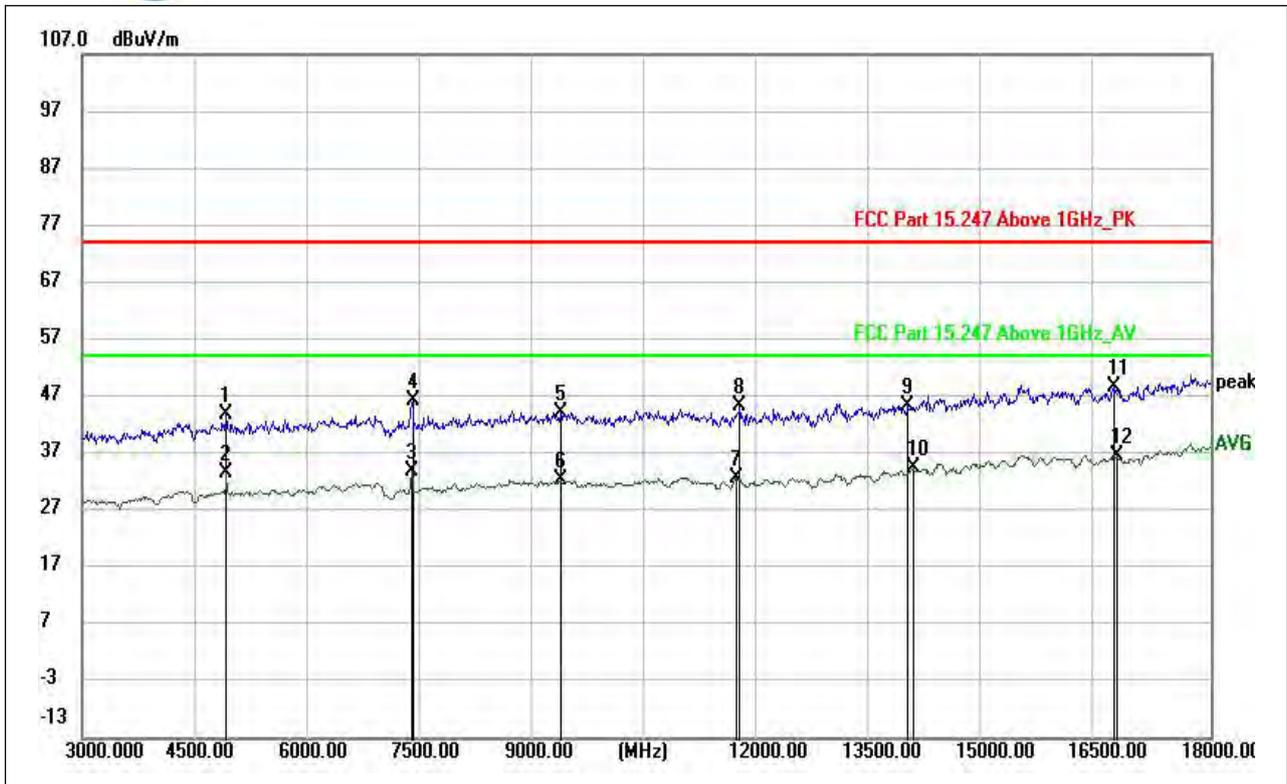
(802.11g _2462MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
39.2991	14.56	40.00	25.44	H	14.64
99.1797	15.54	43.50	27.96	H	14.52
159.7844	25.49	43.50	18.01	H	12.13
375.9385	35.64	46.00	10.36	H	18.54
533.8321	35.13	46.00	10.87	H	22.25
890.7278	32.59	46.00	13.41	H	27.86



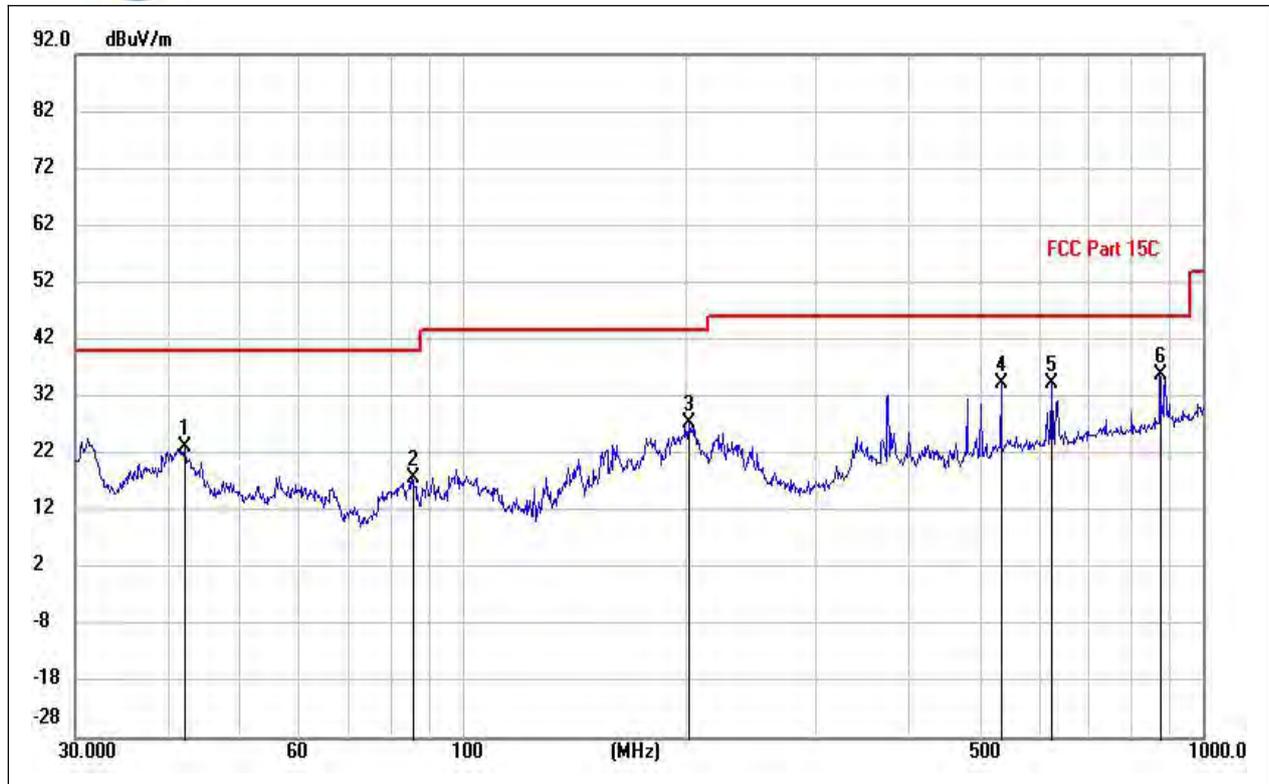
(802.11g _2462MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1050.680	40.83	---	74.00	33.17	H	30.38
1054.149	---	29.26	54.00	24.74	H	30.22
1226.717	41.58	---	74.00	32.42	H	31.04
1229.416	---	29.45	54.00	24.55	H	31.08
1435.400	---	31.57	54.00	22.43	H	33.10
1441.722	43.70	---	74.00	30.30	H	32.90
1598.567	47.49	---	74.00	26.51	H	35.40
1598.567	---	34.05	54.00	19.95	H	35.40
1993.573	49.52	---	74.00	24.48	H	38.11
1995.764	---	37.50	54.00	16.50	H	38.14
2649.760	57.43	---	74.00	16.57	H	45.45
2652.673	---	45.55	54.00	8.45	H	45.31



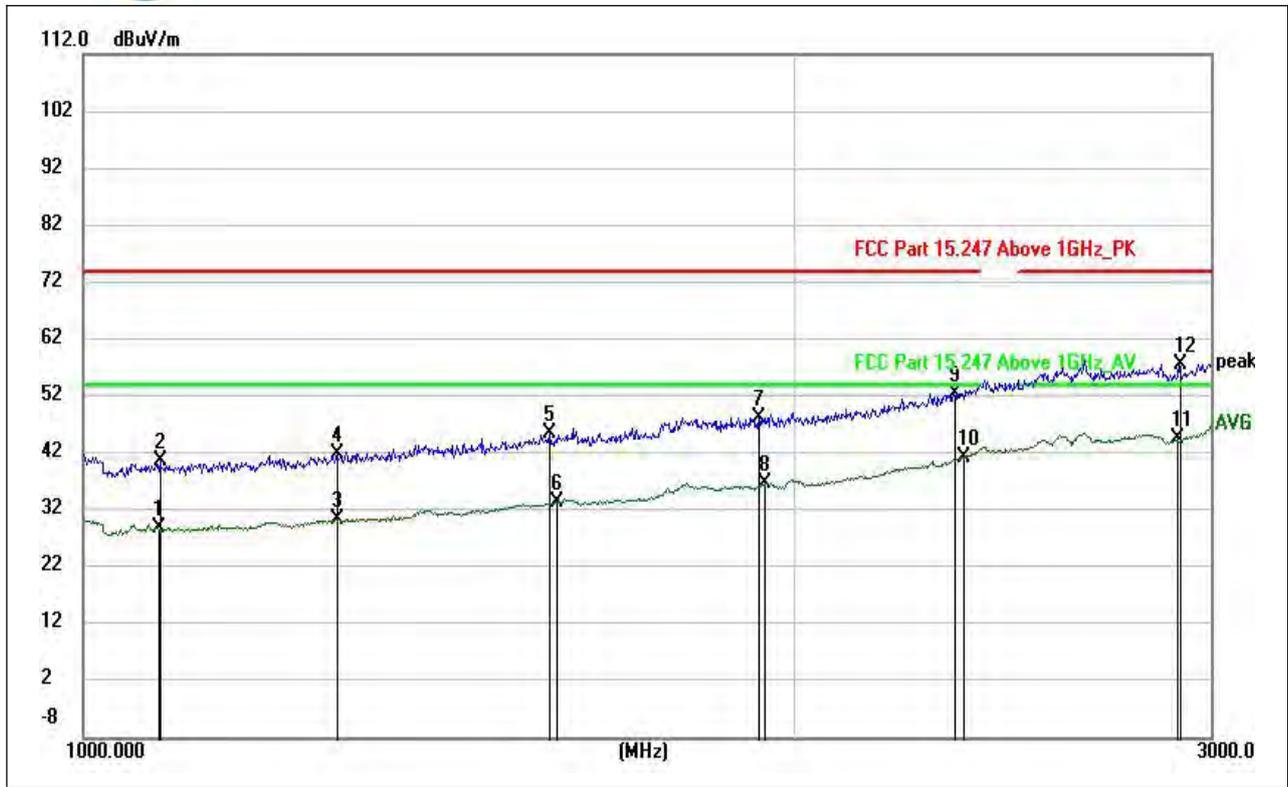
(802.11g _2462MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
4920.000	43.98	---	74.00	30.02	H	-2.72
4920.000	---	33.53	54.00	20.47	H	-2.72
7380.000	---	33.85	54.00	20.15	H	-0.33
7395.000	46.19	---	74.00	27.81	H	-0.44
9360.000	44.27	---	74.00	29.73	H	1.84
9360.000	---	32.24	54.00	21.76	H	1.84
11700.000	---	32.65	54.00	21.35	H	4.01
11745.000	45.33	---	74.00	28.67	H	3.93
13980.000	45.47	---	74.00	28.53	H	7.99
14040.000	---	34.42	54.00	19.58	H	8.25
16725.000	48.58	---	74.00	25.42	H	11.82
16755.000	---	36.54	54.00	17.46	H	11.72



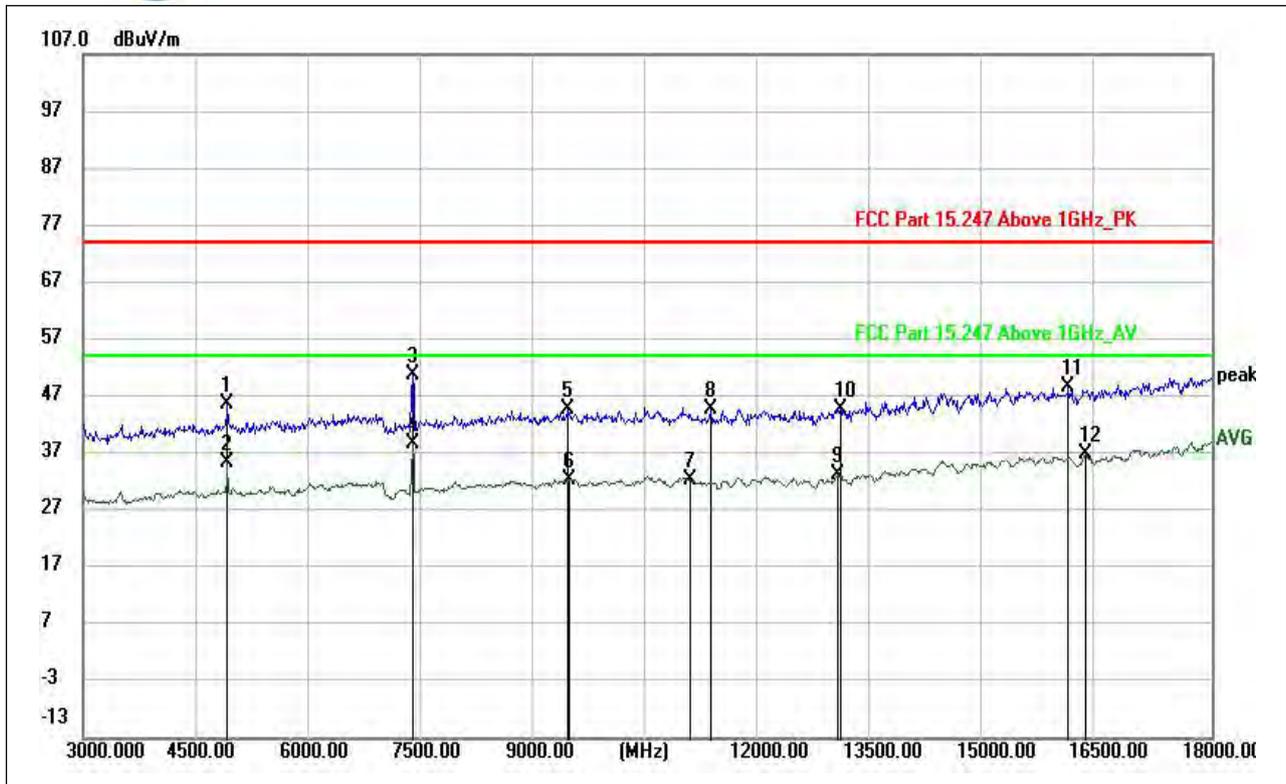
(802.11g _2462MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB/m)
42.1542	23.21	40.00	16.79	V	15.11
85.5977	17.54	40.00	22.46	V	10.83
202.1005	27.26	43.50	16.24	V	13.95
533.8321	34.36	46.00	11.64	V	22.25
625.0780	34.13	46.00	11.87	V	23.84
875.2470	35.75	46.00	10.25	V	27.51



(802.11g _2462MHz, Antenna Vertical , 1GHz to 3GHz)

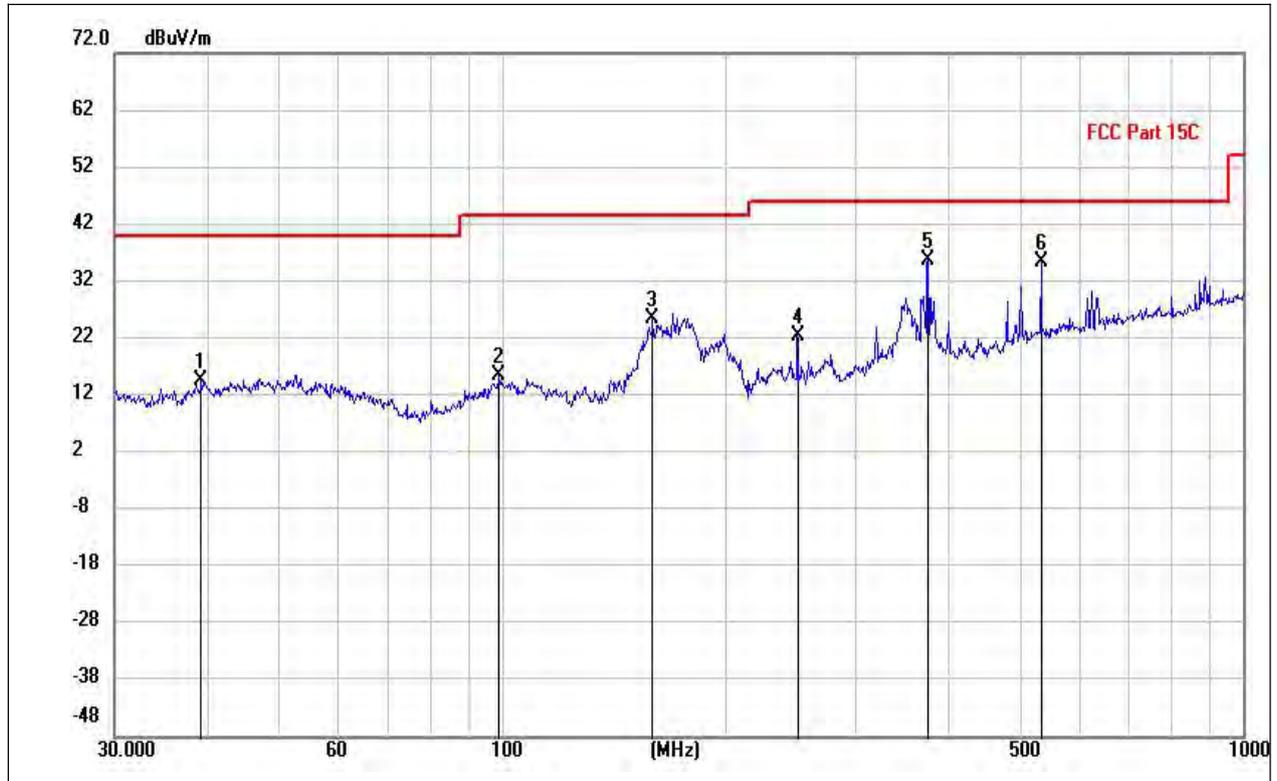
Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1075.202	---	28.96	54.00	25.04	V	30.10
1077.567	40.71	---	74.00	33.29	V	30.13
1279.014	---	30.43	54.00	23.57	V	31.87
1280.419	42.01	---	74.00	31.99	V	31.87
1575.898	45.39	---	74.00	28.61	V	34.75
1584.579	---	33.46	54.00	20.54	V	34.90
1931.059	48.10	---	74.00	25.90	V	37.26
1943.830	---	36.73	54.00	17.27	V	37.72
2335.273	52.60	---	74.00	21.40	V	41.55
2355.888	---	41.35	54.00	12.65	V	41.92
2905.927	---	44.48	54.00	9.52	V	44.87
2909.122	57.68	---	74.00	16.32	V	44.92



(802.11g _2462MHz, Antenna Vertical, 3GHz to 18GHz)

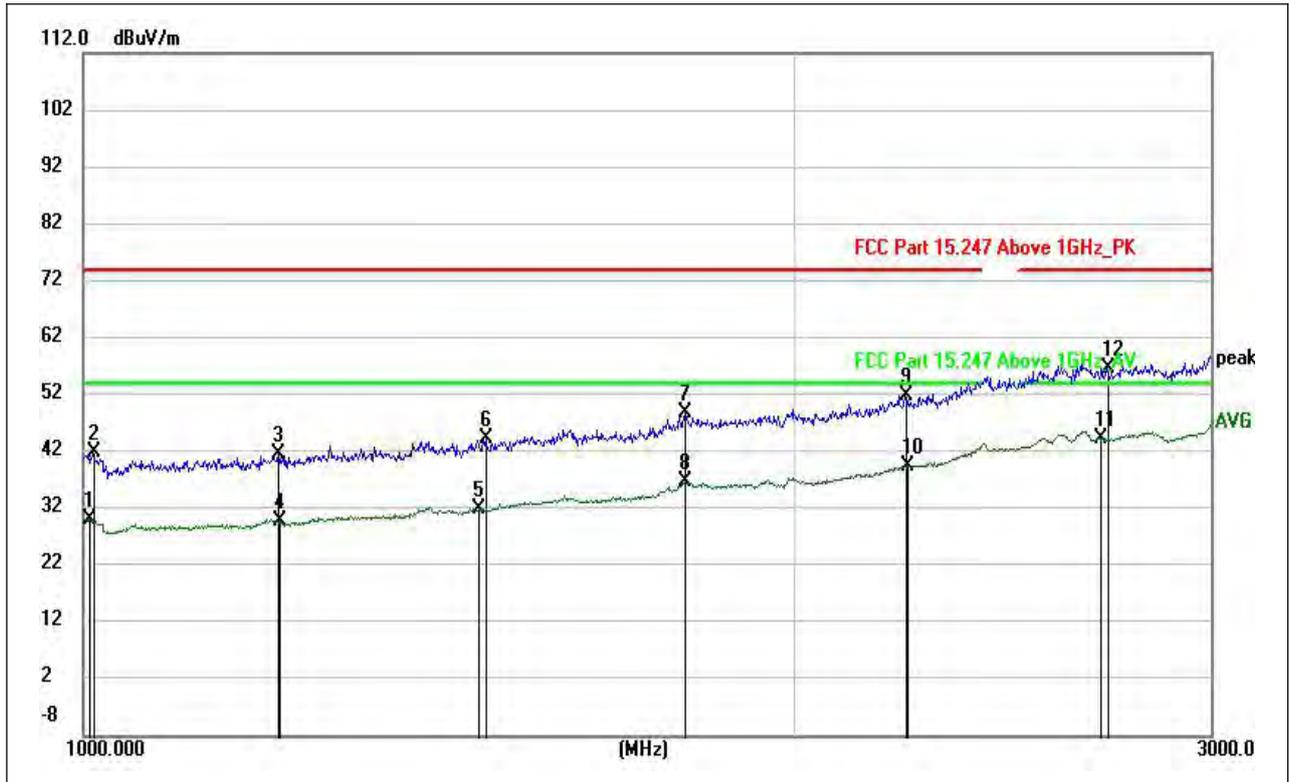
Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
4920.000	45.77	---	74.00	28.23	V	-2.72
4920.000	---	35.49	54.00	18.51	V	-2.72
7380.000	50.87	---	74.00	23.13	V	-0.33
7380.000	---	38.71	54.00	15.29	V	-0.33
9450.000	44.65	---	74.00	29.35	V	2.09
9465.000	---	32.48	54.00	21.52	V	2.03
11070.000	---	32.31	54.00	21.69	V	3.21
11340.000	44.66	---	74.00	29.34	V	2.75
13035.000	---	33.23	54.00	20.77	V	6.18
13065.000	44.80	---	74.00	29.20	V	6.45
16095.000	48.68	---	74.00	25.32	V	11.11
16320.000	---	36.79	54.00	17.21	V	11.74

802.11n-20MHz Test mode



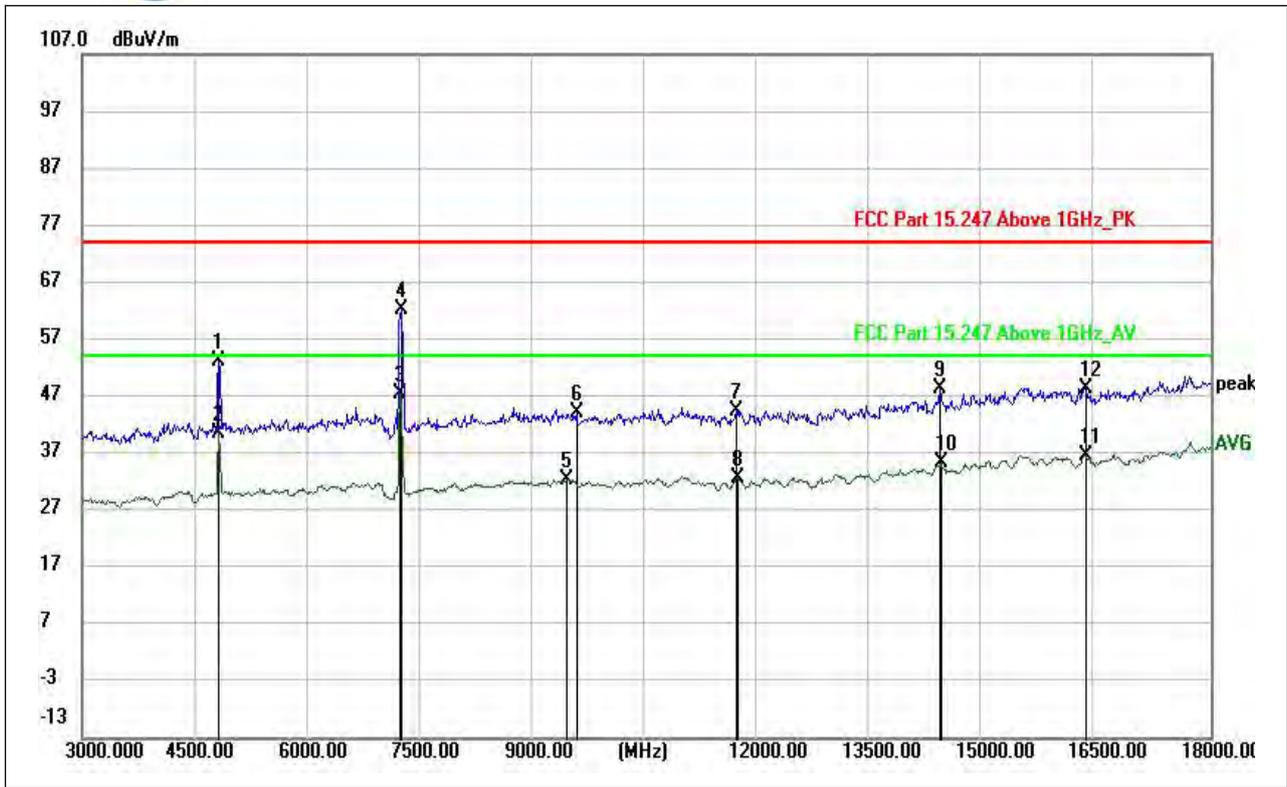
(802.11n_20M_2412MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
39.2991	14.56	40.00	25.44	H	14.64
99.1797	15.54	43.50	27.96	H	14.52
159.7844	25.49	43.50	18.01	H	12.13
250.3012	22.41	46.00	23.59	H	14.90
375.9385	35.64	46.00	10.36	H	18.54
533.8321	35.22	46.00	10.78	H	22.25



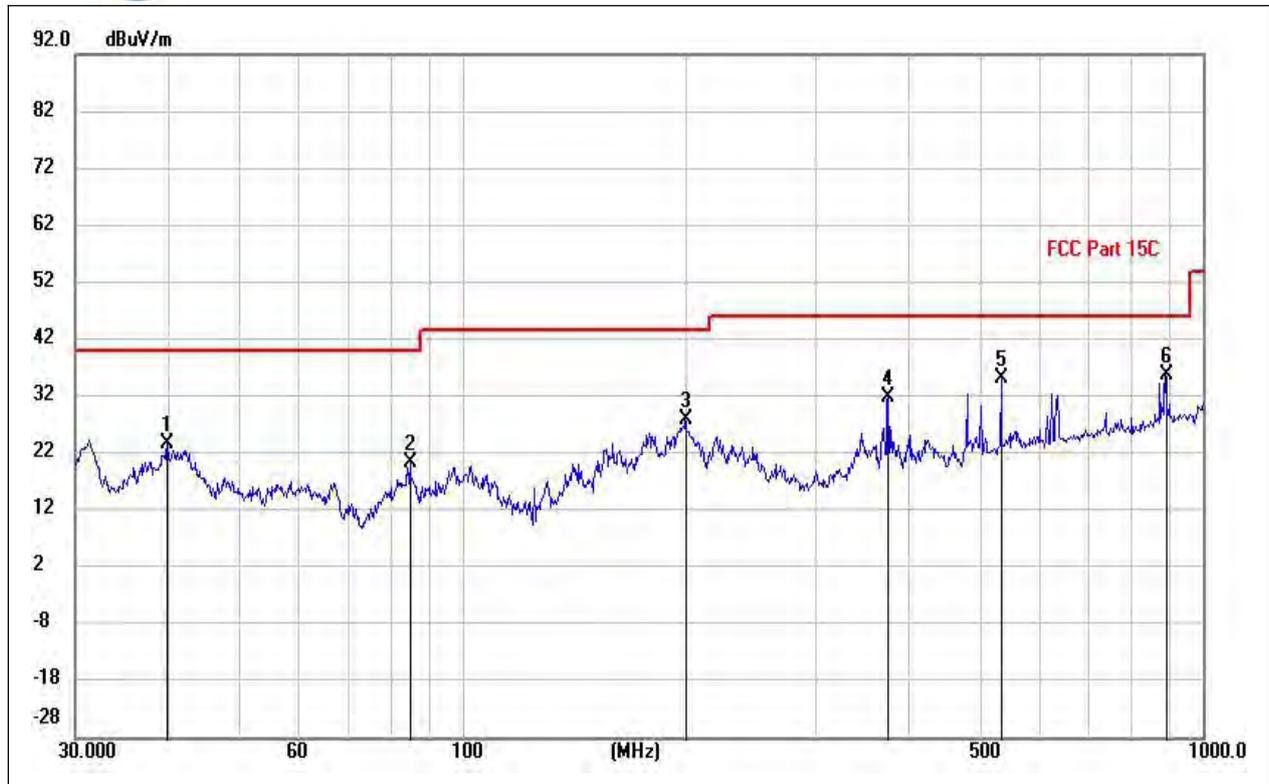
(802.11n_20M_2412MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1006.613	---	30.05	54.00	23.95	H	29.76
1009.937	41.90	---	74.00	32.10	H	29.54
1209.322	41.70	---	74.00	32.30	H	31.35
1210.651	---	29.69	54.00	24.31	H	31.30
1470.515	---	32.00	54.00	22.00	H	33.43
1480.241	44.41	---	74.00	29.59	H	33.41
1797.971	48.85	---	74.00	25.15	H	37.82
1797.971	---	36.83	54.00	17.17	H	37.82
2227.519	51.75	---	74.00	22.25	H	40.15
2232.419	---	39.47	54.00	14.53	H	40.20
2693.788	---	44.34	54.00	9.66	H	44.36
2711.603	56.59	---	74.00	17.41	H	44.21



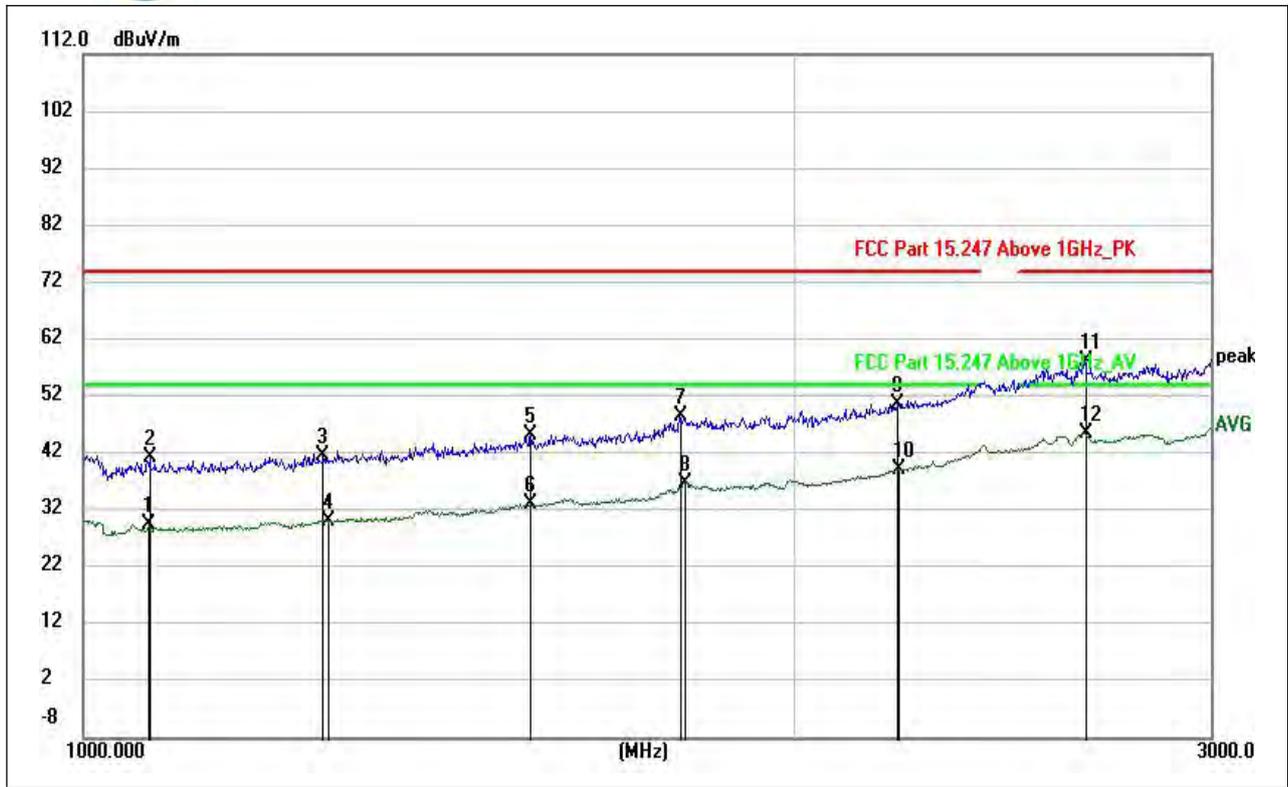
(802.11n_20M_2412MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
4815.000	53.21	---	74.00	20.79	H	-3.28
4815.000	---	40.66	54.00	13.34	H	-3.28
7230.000	---	47.37	54.00	6.63	H	-0.36
7245.000	62.19	---	74.00	11.81	H	-0.34
9435.000	---	32.40	54.00	21.60	H	1.98
9570.000	44.28	---	74.00	29.72	H	2.26
11700.000	44.57	---	74.00	29.43	H	4.01
11715.000	---	32.57	54.00	21.43	H	3.99
14400.000	48.33	---	74.00	25.67	H	9.41
14415.000	---	35.47	54.00	18.53	H	9.30
16335.000	---	36.66	54.00	17.34	H	11.70
16350.000	48.49	---	74.00	25.51	H	11.52



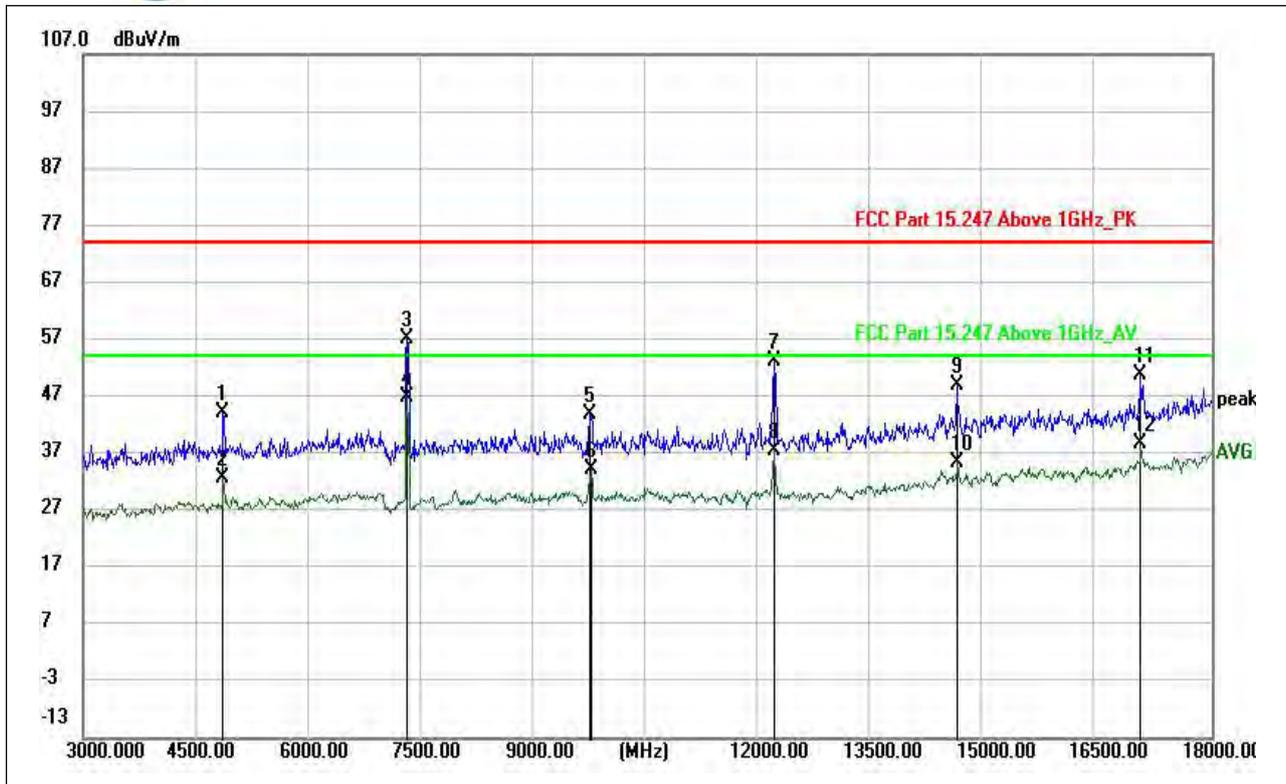
(802.11n_20M_2412MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB/m)
39.9942	23.75	40.00	16.25	V	15.69
84.9995	20.46	40.00	19.54	V	10.67
199.9856	28.01	43.50	15.49	V	14.36
375.9385	31.70	46.00	14.30	V	18.54
533.8321	35.06	46.00	10.94	V	18.24
890.7278	35.63	46.00	10.37	V	22.41



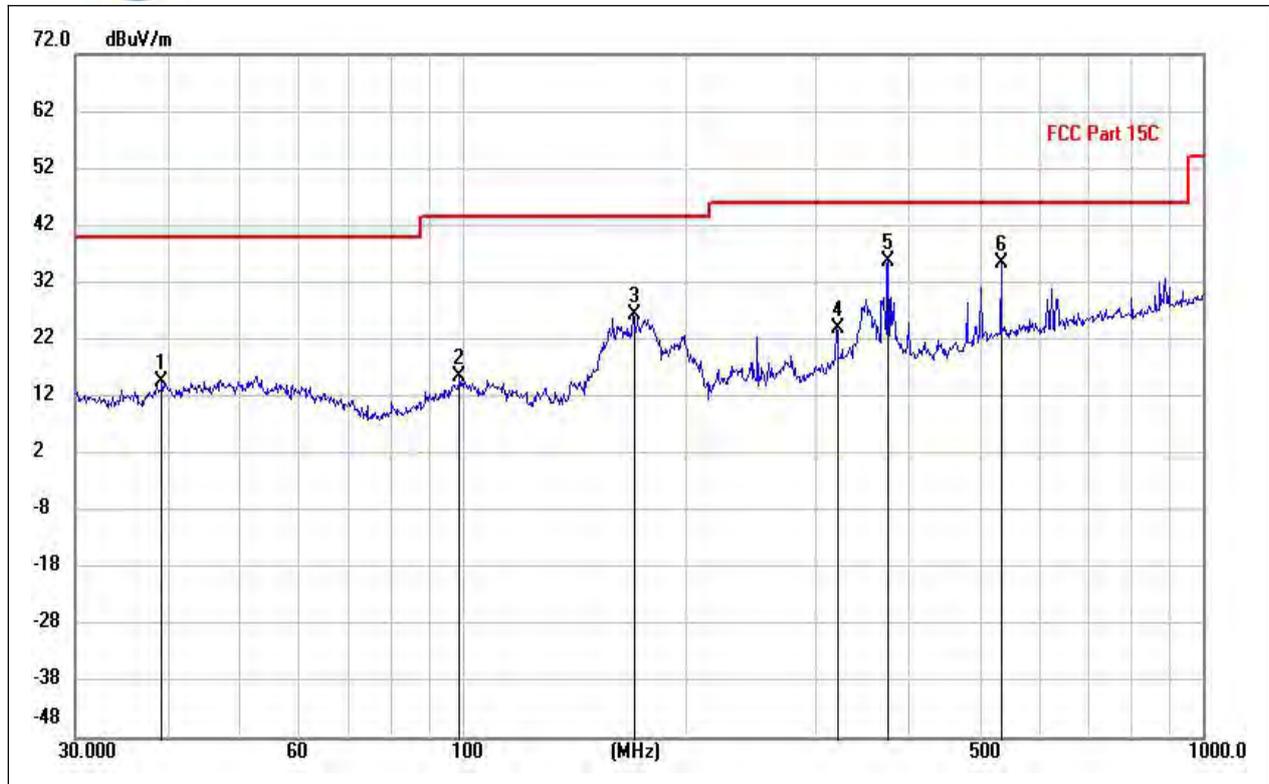
(802.11n_20M_2412MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	QuasiPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1065.793	---	29.59	54.00	24.41	V	30.00
1066.965	41.41	---	74.00	32.59	V	30.01
1263.650	41.68	---	74.00	32.32	V	31.80
1267.822	---	30.23	54.00	23.77	V	31.84
1546.739	45.20	---	74.00	28.80	V	34.41
1546.739	---	33.02	54.00	20.98	V	34.41
1788.122	48.67	---	74.00	25.33	V	36.95
1797.971	---	36.78	54.00	17.22	V	37.82
2210.454	50.68	---	74.00	23.32	V	39.94
2215.316	---	39.27	54.00	14.73	V	40.01
2652.673	58.23	---	74.00	15.77	V	45.31
2652.673	---	45.64	54.00	8.36	V	45.31



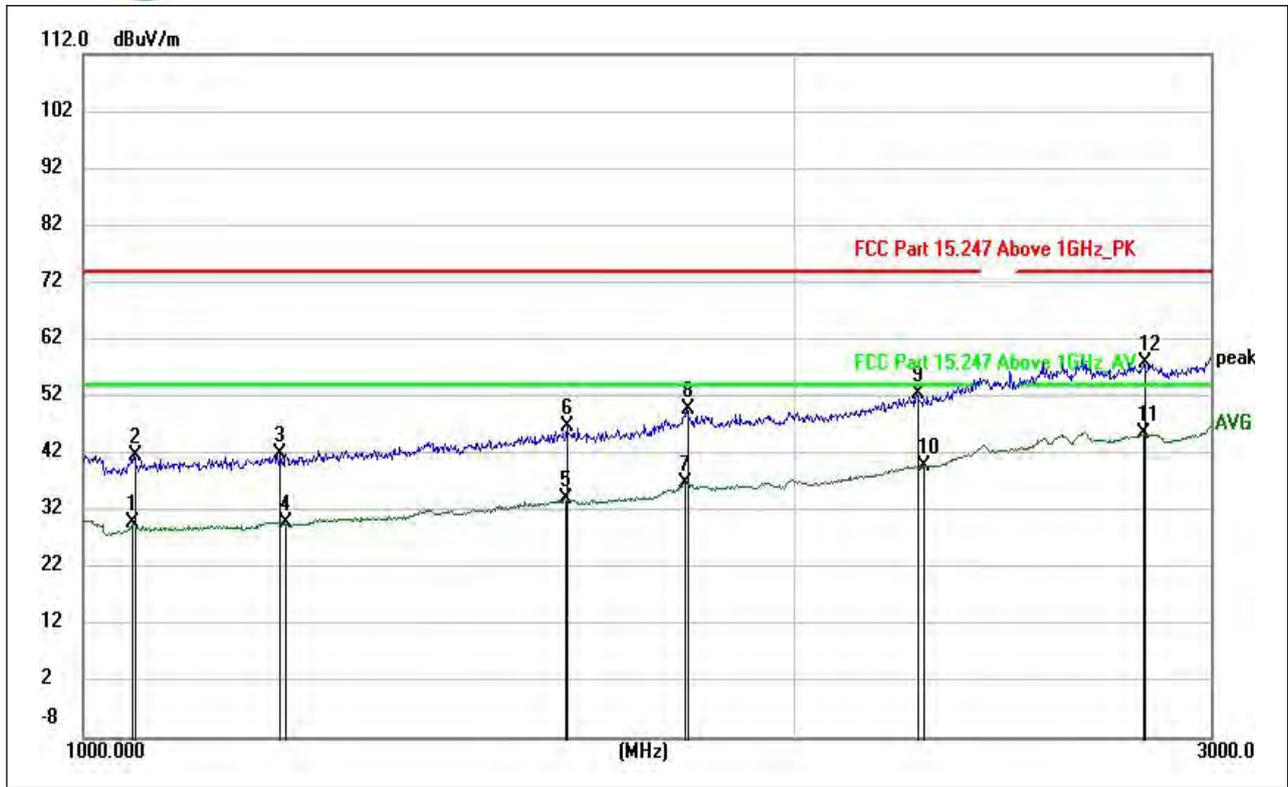
(802.11n_20M_2412MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	QuasiPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
4860.000	44.24	---	74.00	29.76	V	-2.95
4860.000	---	32.70	54.00	21.30	V	-2.95
7305.000	57.20	---	74.00	16.80	V	-0.26
7305.000	---	46.85	54.00	7.15	V	-0.26
9735.000	43.71	---	74.00	30.29	V	2.09
9750.000	---	34.04	54.00	19.96	V	1.98
12180.000	53.10	---	74.00	20.90	V	4.05
12180.000	---	37.54	54.00	16.46	V	4.05
14610.000	49.08	---	74.00	24.92	V	8.65
14625.000	---	35.45	54.00	18.55	V	8.70
17055.000	50.86	---	74.00	23.14	V	12.83
17055.000	---	38.71	54.00	15.29	V	12.83



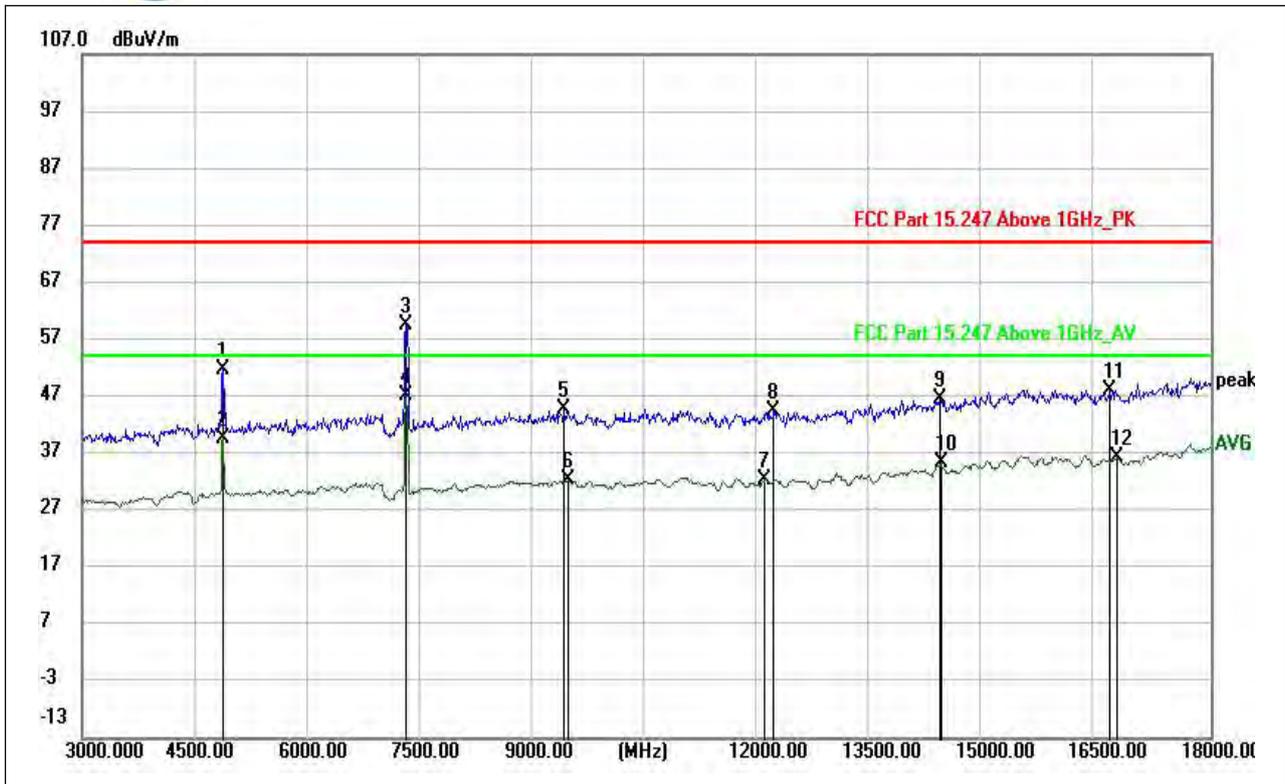
(802.11n_20M_2437MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
39.2991	14.56	40.00	25.44	H	14.64
99.1797	15.54	43.50	27.96	H	14.52
170.1948	26.46	43.50	17.04	H	12.44
319.9370	23.85	46.00	22.15	H	17.99
375.9385	35.64	46.00	10.36	H	18.54
533.8321	35.43	46.00	10.57	H	22.25



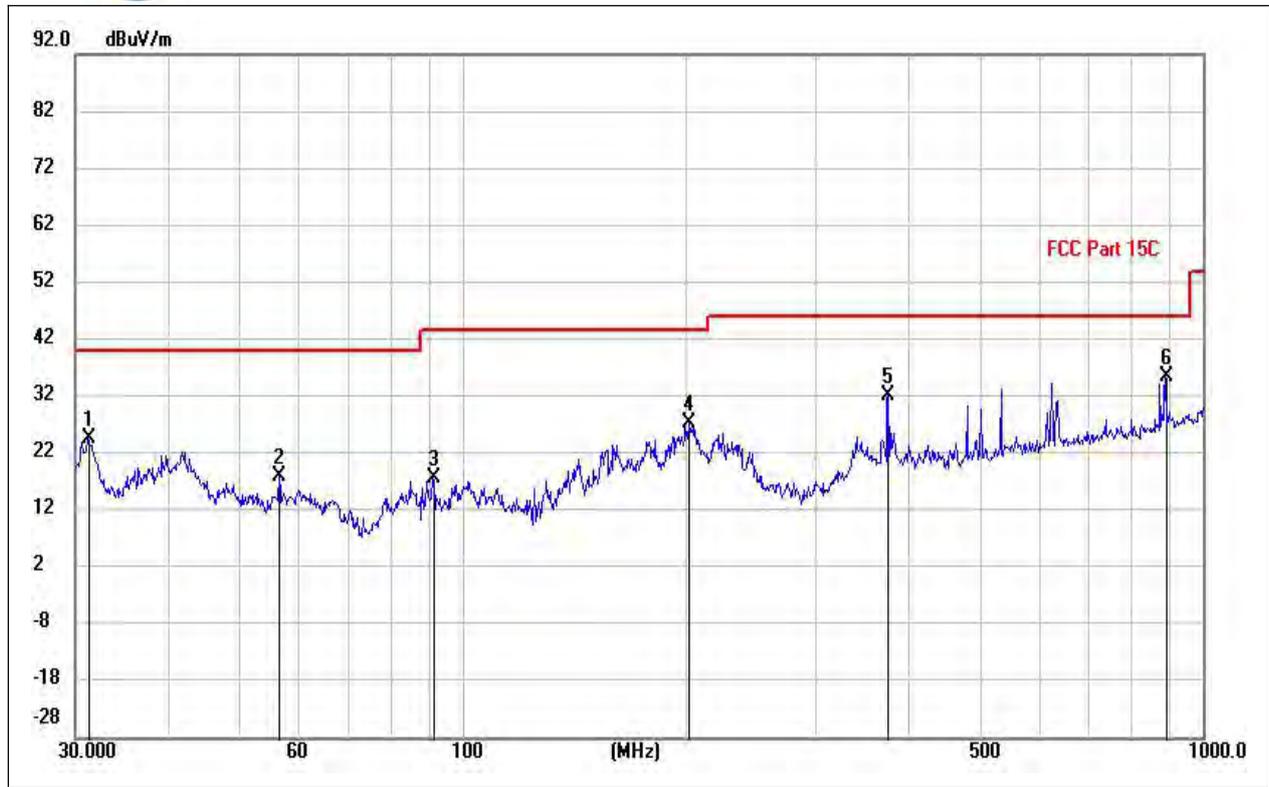
(802.11n_20M_2437MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	QuasiPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1049.526	---	29.77	54.00	24.23	H	30.43
1050.680	41.52	---	74.00	32.48	H	30.38
1211.982	41.84	---	74.00	32.16	H	31.25
1217.320	---	29.79	54.00	24.21	H	31.02
1598.567	---	34.15	54.00	19.85	H	35.40
1602.083	46.62	---	74.00	27.38	H	35.41
1797.971	36.78	---	54.00	17.22	H	37.82
1799.948	---	49.88	74.00	24.12	H	37.96
2252.126	52.37	---	74.00	21.63	H	40.36
2267.020	---	39.89	54.00	14.11	H	40.47
2808.626	---	45.41	54.00	8.59	H	45.31
2811.714	57.77	---	74.00	16.23	H	45.03



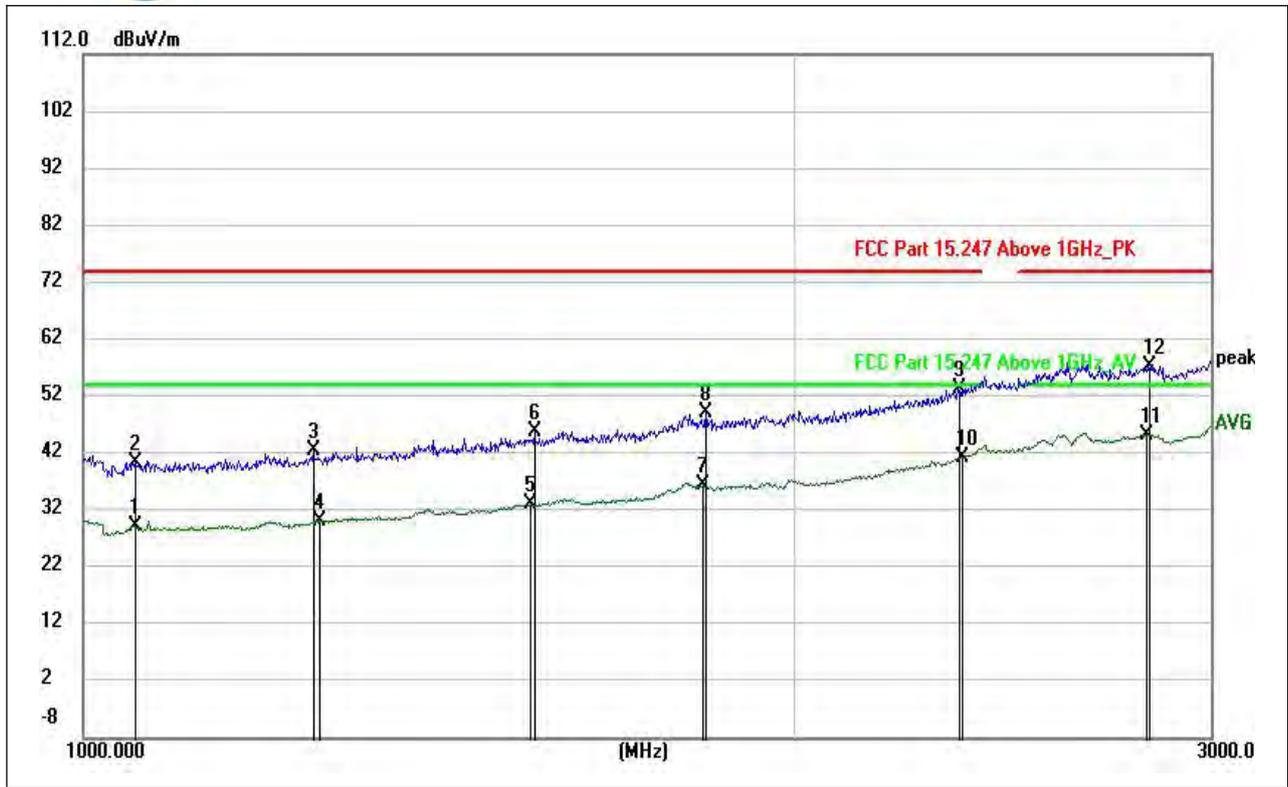
(802.11n_20M_2437MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
4875.000	51.79	---	74.00	22.21	H	-2.86
4875.000	---	39.52	54.00	14.48	H	-2.86
7305.000	59.42	---	74.00	14.58	H	-0.26
7305.000	---	47.10	54.00	6.90	H	-0.26
9405.000	44.88	---	74.00	29.12	H	2.02
9465.000	---	32.46	54.00	21.54	H	1.77
12060.000	---	32.39	54.00	21.61	H	4.30
12195.000	44.37	---	74.00	29.63	H	3.99
14400.000	46.53	---	74.00	27.47	H	9.41
14415.000	---	35.43	54.00	18.57	H	9.30
16665.000	48.00	---	74.00	26.00	H	11.61
16755.000	---	36.33	54.00	17.67	H	11.72



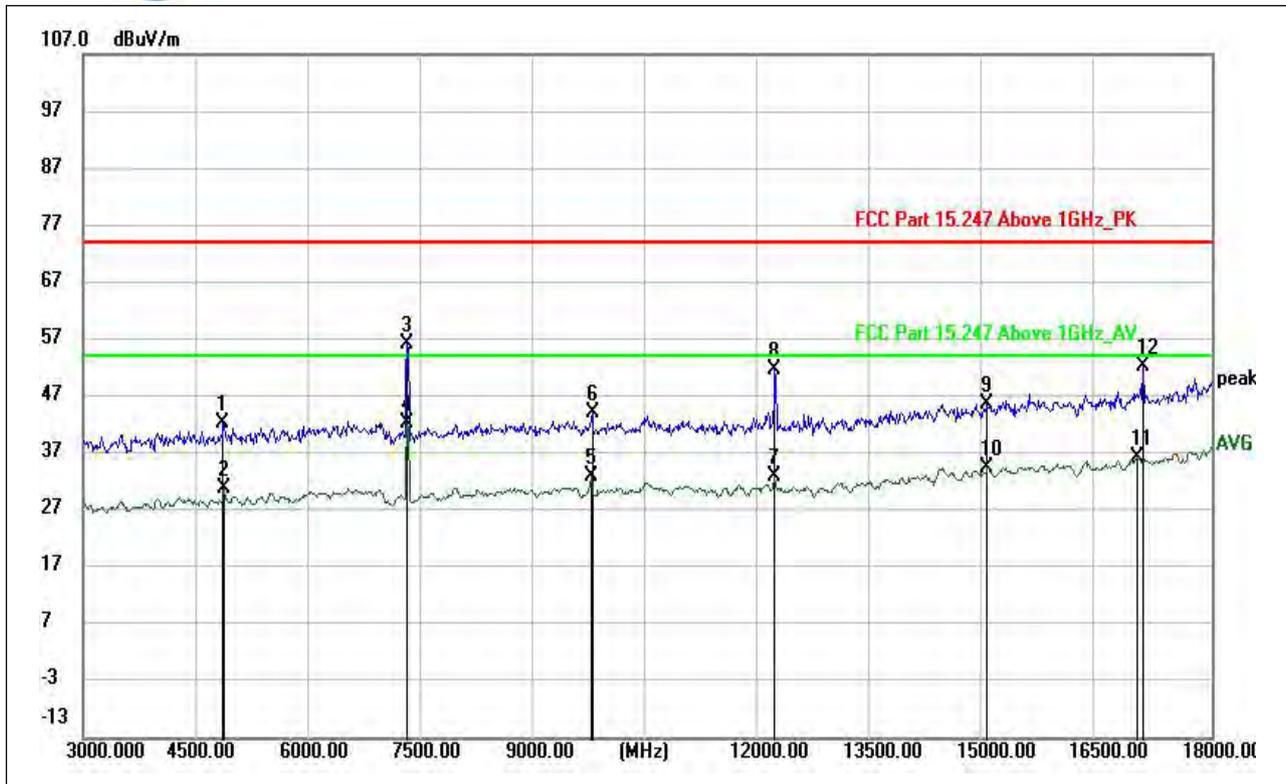
(802.11n_20M_2437MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB/m)
31.1798	24.75	40.00	15.25	V	12.06
56.5929	18.08	40.00	21.92	V	14.69
91.1746	17.61	43.50	25.89	V	12.91
202.1005	27.26	43.50	16.24	V	13.95
375.9385	32.24	46.00	13.76	V	18.54
890.7278	35.35	46.00	10.65	V	27.86



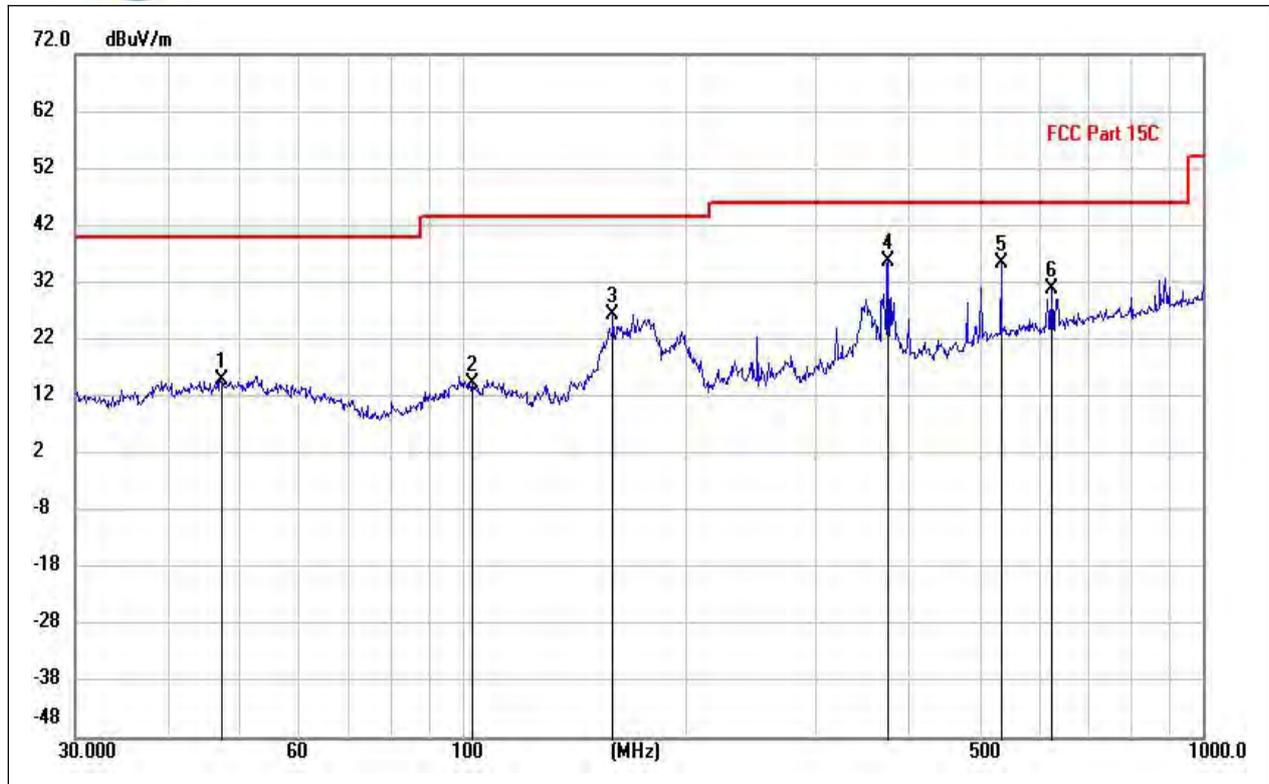
(802.11n_20M_2437MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1050.680	---	29.36	54.00	24.64	V	30.38
1051.835	40.49	---	74.00	33.51	V	30.32
1251.217	42.36	---	74.00	31.64	V	31.58
1259.492	---	30.27	54.00	23.73	V	31.75
1546.739	---	33.20	54.00	20.80	V	34.41
1551.846	45.81	---	74.00	28.19	V	34.44
1829.855	---	36.36	54.00	17.64	V	37.08
1833.880	49.16	---	74.00	24.84	V	37.13
2345.558	53.33	---	74.00	20.67	V	41.74
2353.301	---	41.36	54.00	12.64	V	41.88
2817.898	---	45.31	54.00	8.69	V	44.62
2824.097	57.23	---	74.00	16.77	V	44.58



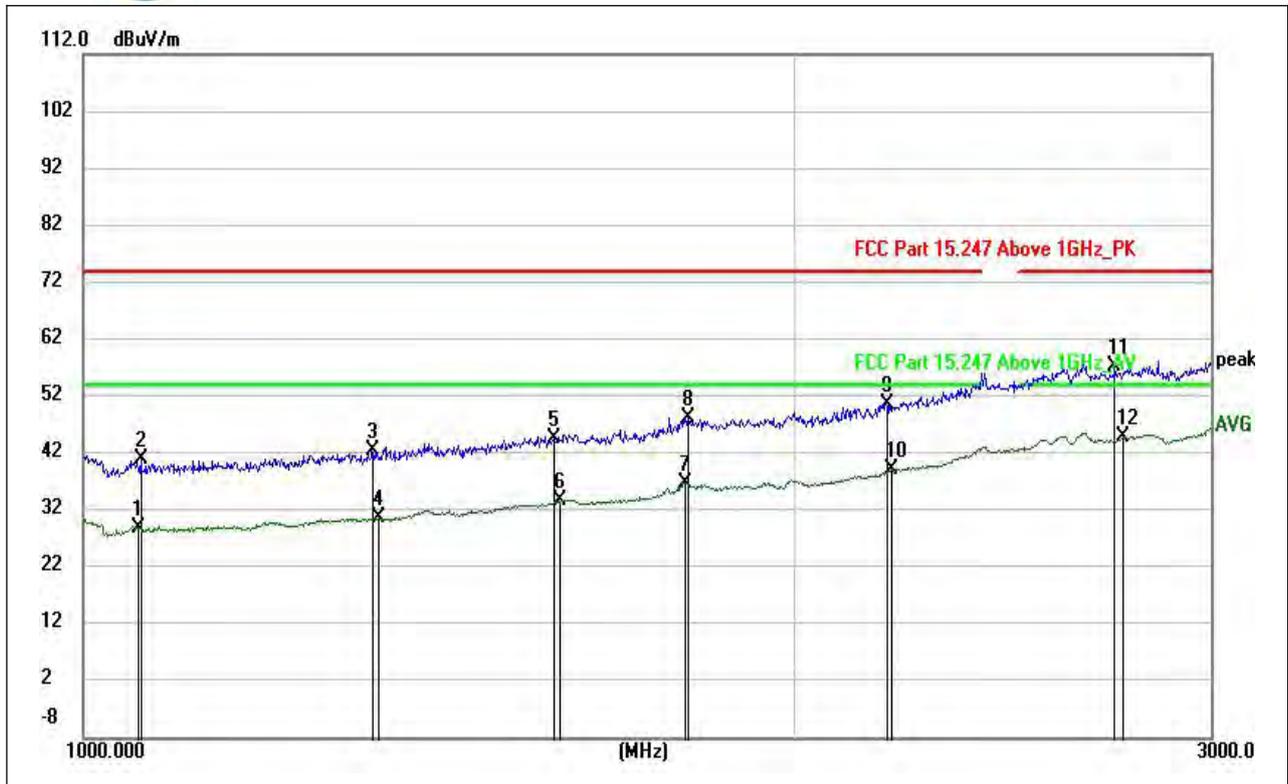
(802.11n_20M_2437MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
4860.000	42.23	---	74.00	31.77	V	-2.95
4875.000	---	30.95	54.00	23.05	V	-2.86
7305.000	56.34	---	74.00	17.66	V	-0.26
7305.000	---	42.21	54.00	11.79	V	-0.26
9750.000	---	33.02	54.00	20.98	V	1.98
9765.000	44.02	---	74.00	29.98	V	1.85
12180.000	---	33.06	54.00	20.94	V	3.98
12195.000	51.73	---	74.00	22.27	V	3.99
15015.000	45.72	---	74.00	28.28	V	10.79
15015.000	---	34.47	54.00	19.53	V	10.79
17010.000	---	36.36	54.00	17.64	V	11.22
17085.000	52.18	---	74.00	21.82	V	11.64



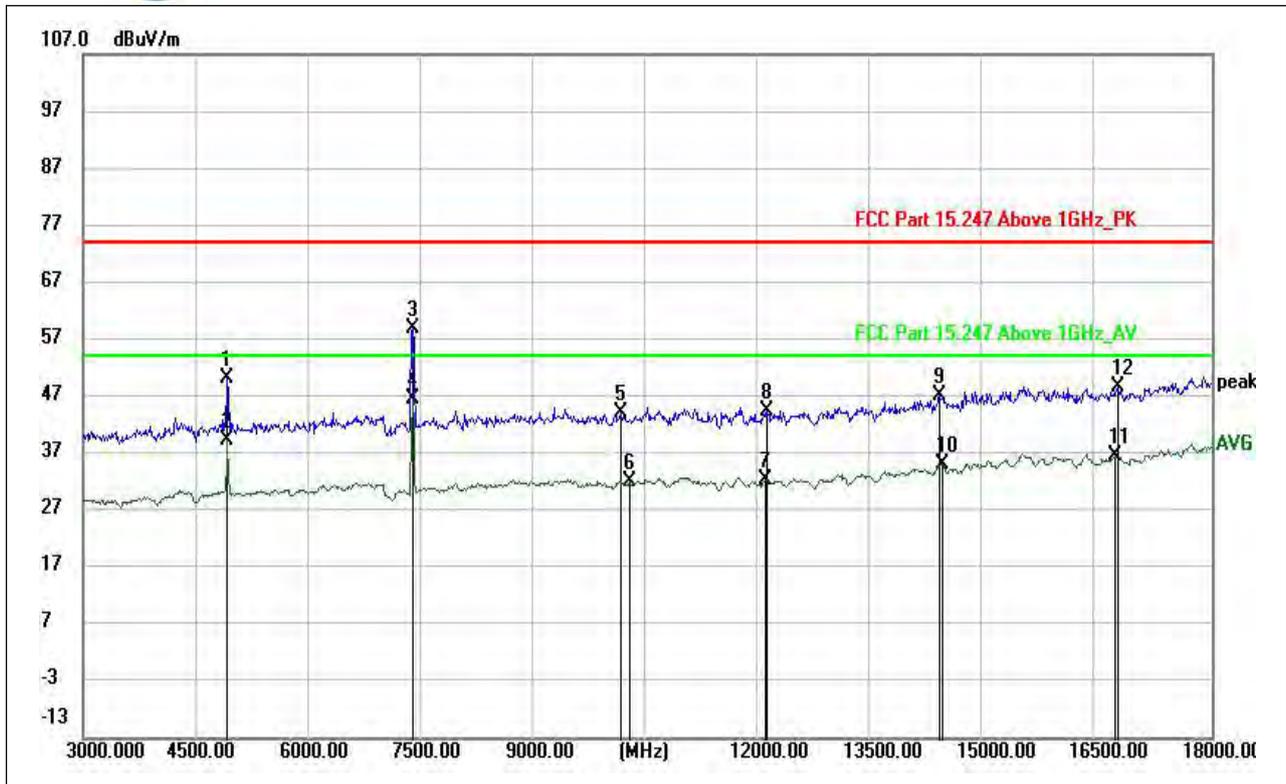
(802.11n_20M_2462MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
47.1599	14.72	40.00	25.28	H	15.48
103.0800	14.13	43.50	29.37	H	14.43
159.7844	26.25	43.50	17.25	H	12.13
375.9385	35.64	46.00	10.36	H	18.54
533.8321	35.43	46.00	10.57	H	22.25
625.0780	30.95	46.00	15.05	H	23.84



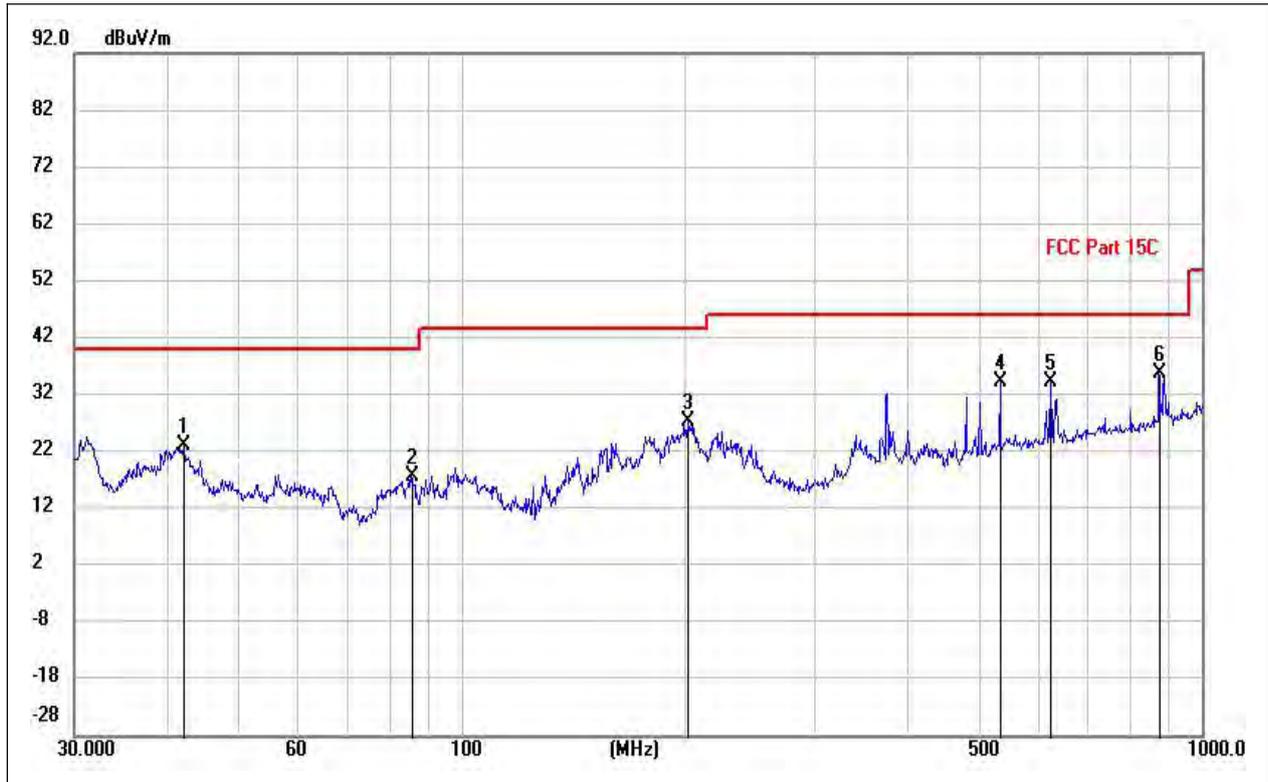
(802.11n_20M_2462MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	QuasiPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1055.307	---	28.97	54.00	25.03	H	30.16
1057.629	40.88	---	74.00	33.12	H	30.04
1324.778	42.40	---	74.00	31.60	H	32.11
1333.539	---	30.71	54.00	23.29	H	32.15
1581.101	44.48	---	74.00	29.52	H	34.80
1589.810	---	33.63	54.00	20.37	H	35.04
1797.971	36.72	---	54.00	17.28	H	37.82
1801.926	48.27	---	74.00	25.73	H	37.82
2186.303	---	50.77	74.00	23.23	H	39.62
2198.345	---	39.06	54.00	14.94	H	39.80
2732.536	57.33	---	74.00	16.67	H	44.24
2753.631	---	44.87	54.00	9.13	H	44.67



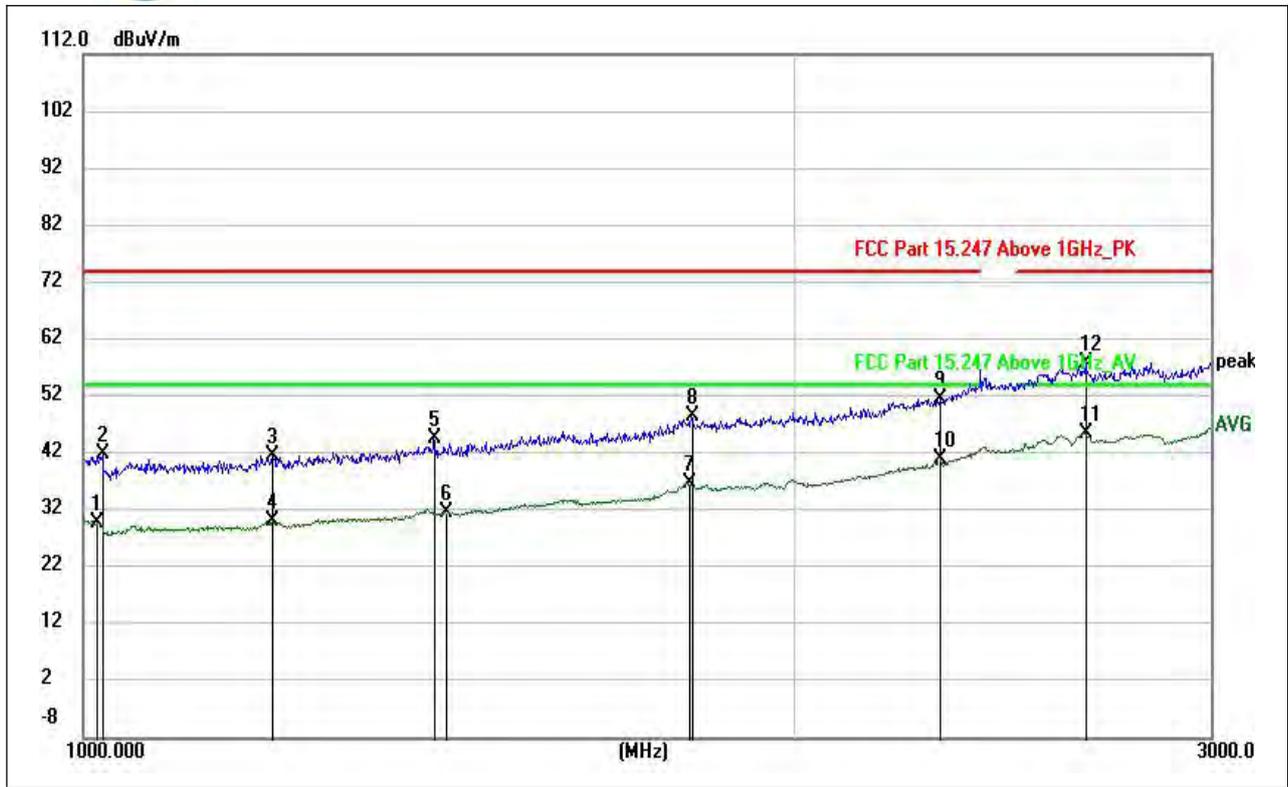
(802.11n_20M_2462MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
4920.000	50.20	---	74.00	23.80	H	-2.72
4920.000	---	39.31	54.00	14.69	H	-2.72
7380.000	58.77	---	74.00	15.23	H	-0.33
7380.000	---	46.62	54.00	7.38	H	-0.33
10140.000	44.14	---	74.00	29.86	H	2.10
10260.000	---	32.05	54.00	21.95	H	2.27
12060.000	---	32.43	54.00	21.57	H	4.30
12090.000	44.42	---	74.00	29.58	H	4.05
14385.000	47.08	---	74.00	26.92	H	9.38
14415.000	---	35.20	54.00	18.80	H	9.30
16710.000	---	36.49	54.00	17.51	H	11.78
16755.000	48.79	---	74.00	25.21	H	11.72



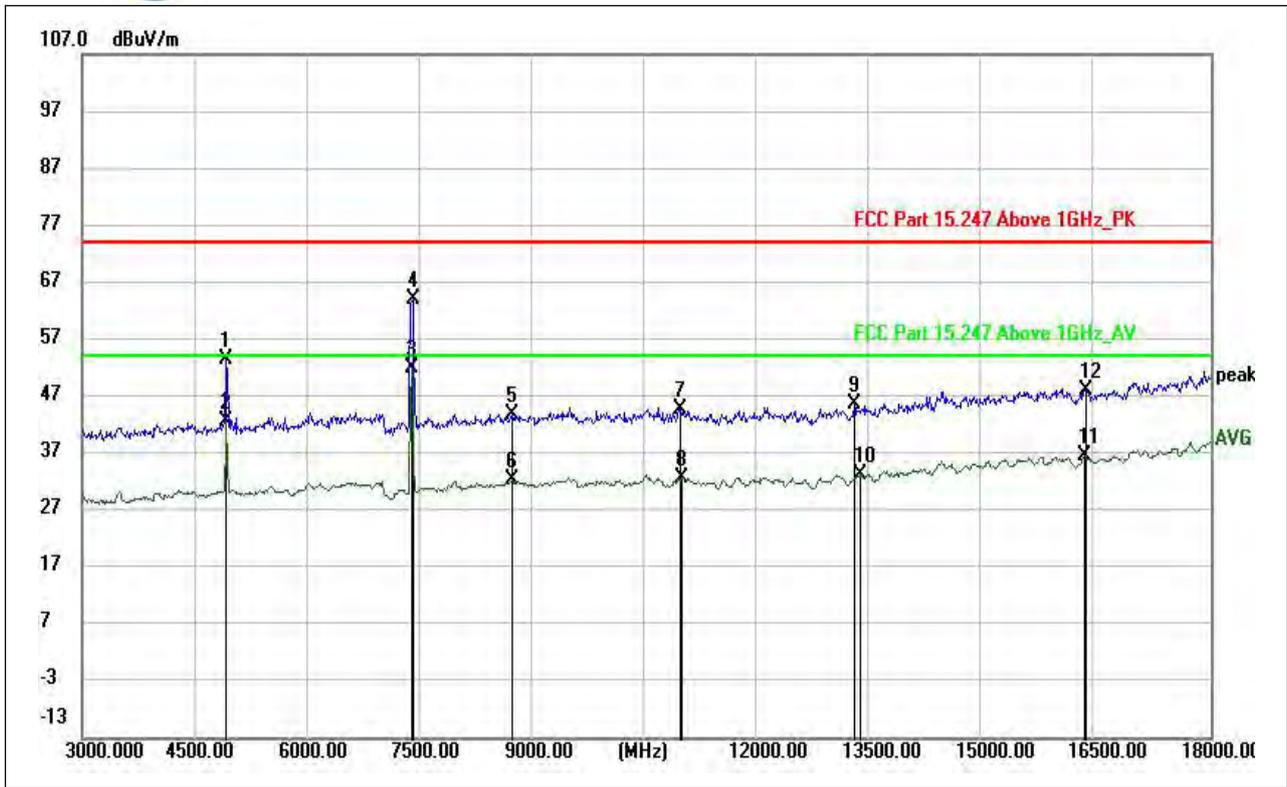
(802.11n_20M_2462MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
42.1542	23.21	40.00	16.79	V	15.11
85.5977	17.54	40.00	22.46	V	10.83
202.1005	27.26	43.50	16.24	V	13.95
533.8321	34.36	46.00	11.64	V	22.25
625.0780	34.13	46.00	11.87	V	23.84
875.2470	35.75	46.00	10.25	V	27.51



(802.11n_20M_2462MHz, Antenna Vertical , 1GHz to 3GHz)

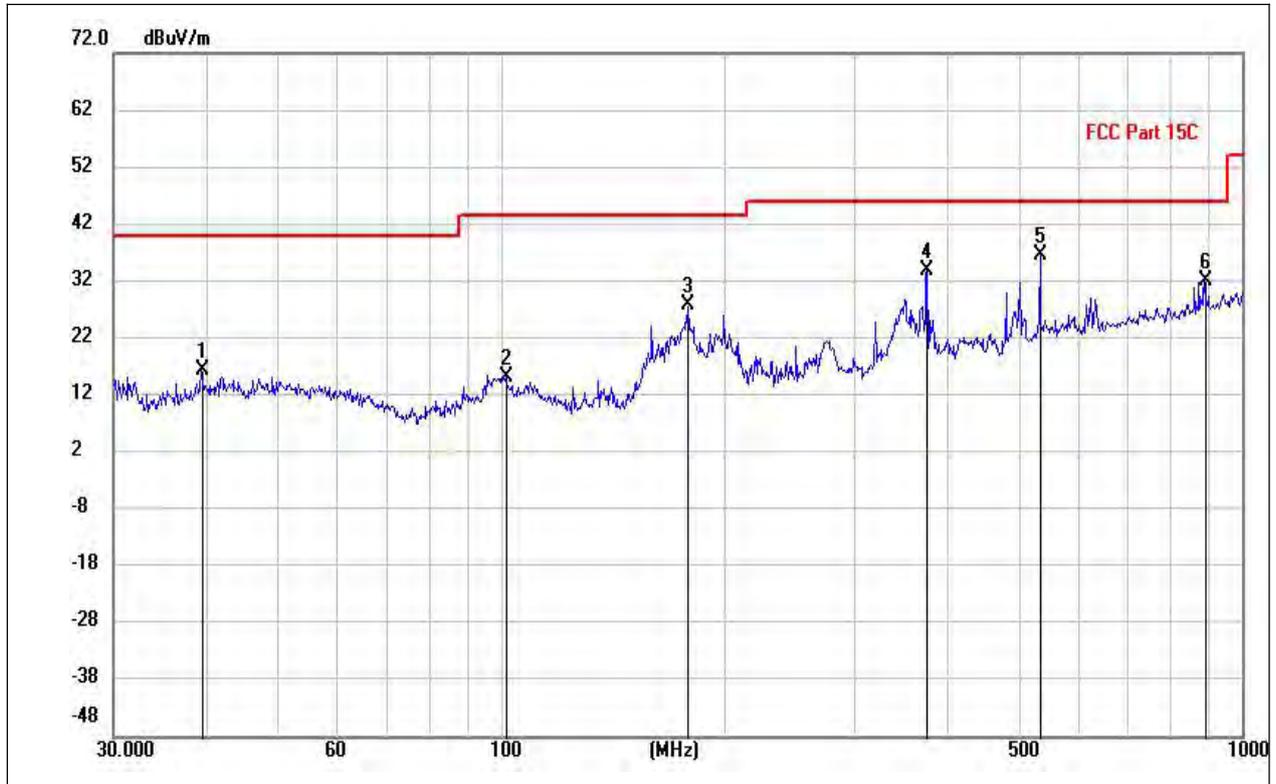
Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1014.384	---	29.90	54.00	24.10	V	29.34
1018.852	41.83	---	74.00	32.17	V	29.13
1202.697	41.63	---	74.00	32.37	V	31.67
1202.697	---	30.02	54.00	23.98	V	31.67
1407.294	44.59	---	74.00	29.41	V	33.23
1422.840	---	31.62	54.00	22.38	V	33.07
1803.907	---	36.77	54.00	17.23	V	37.68
1807.875	48.47	---	74.00	25.53	V	37.38
2304.688	51.62	---	74.00	22.38	V	40.63
2304.688	---	40.99	54.00	13.01	V	40.63
2652.673	---	45.62	54.00	8.38	V	45.31
2655.589	57.90	---	74.00	16.10	V	45.17



(802.11n_20M_2462MHz, Antenna Vertical, 3GHz to 18GHz)

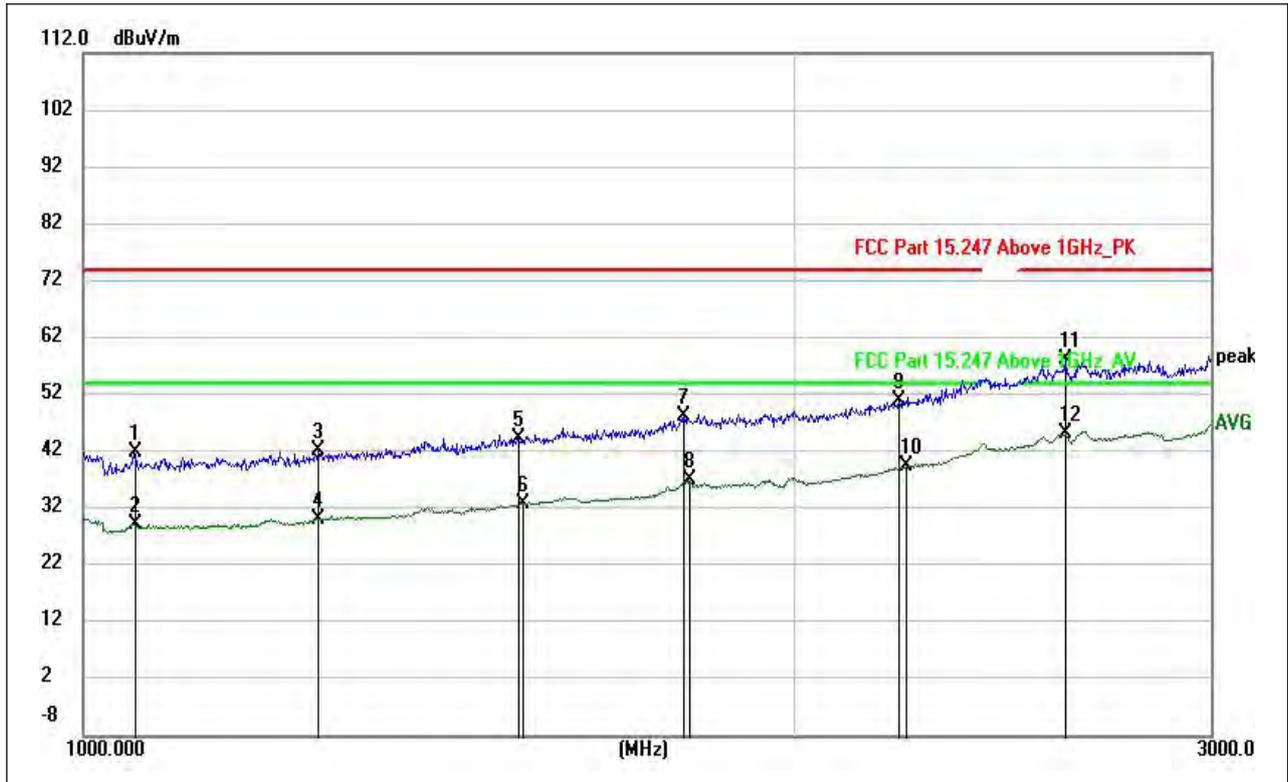
Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
4920.000	53.62	---	74.00	20.38	V	-2.72
4920.000	---	42.76	54.00	11.24	V	-2.72
7380.000	---	50.91	54.00	3.09	V	-0.33
7395.000	63.90	---	74.00	10.10	V	-0.44
8715.000	43.70	---	74.00	30.30	V	1.37
8715.000	---	32.41	54.00	21.59	V	1.37
10950.000	44.85	---	74.00	29.15	V	3.18
10965.000	---	32.73	54.00	21.27	V	3.16
13260.000	45.65	---	74.00	28.35	V	5.62
13350.000	---	33.26	54.00	20.74	V	6.43
16320.000	---	36.58	54.00	17.42	V	11.74
16335.000	48.19	---	74.00	25.81	V	11.70

802.11n-40MHz Test mode



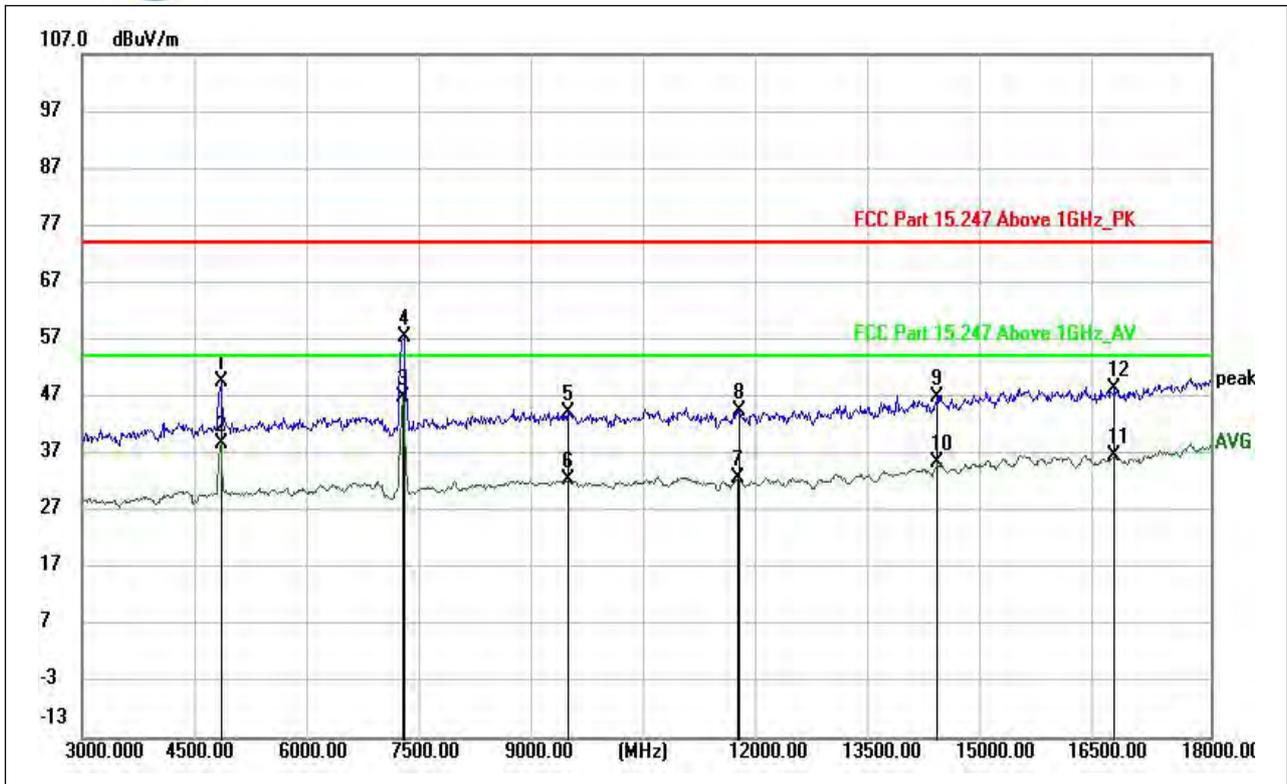
(802.11n_40M_2422MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
39.4372	16.46	40.00	23.54	H	14.85
101.6443	15.21	43.50	28.29	H	14.80
178.7584	27.68	43.50	15.82	H	12.45
375.9385	33.86	46.00	12.14	H	18.54
533.8321	36.59	46.00	9.41	H	22.25
890.7278	32.06	46.00	13.94	H	27.86



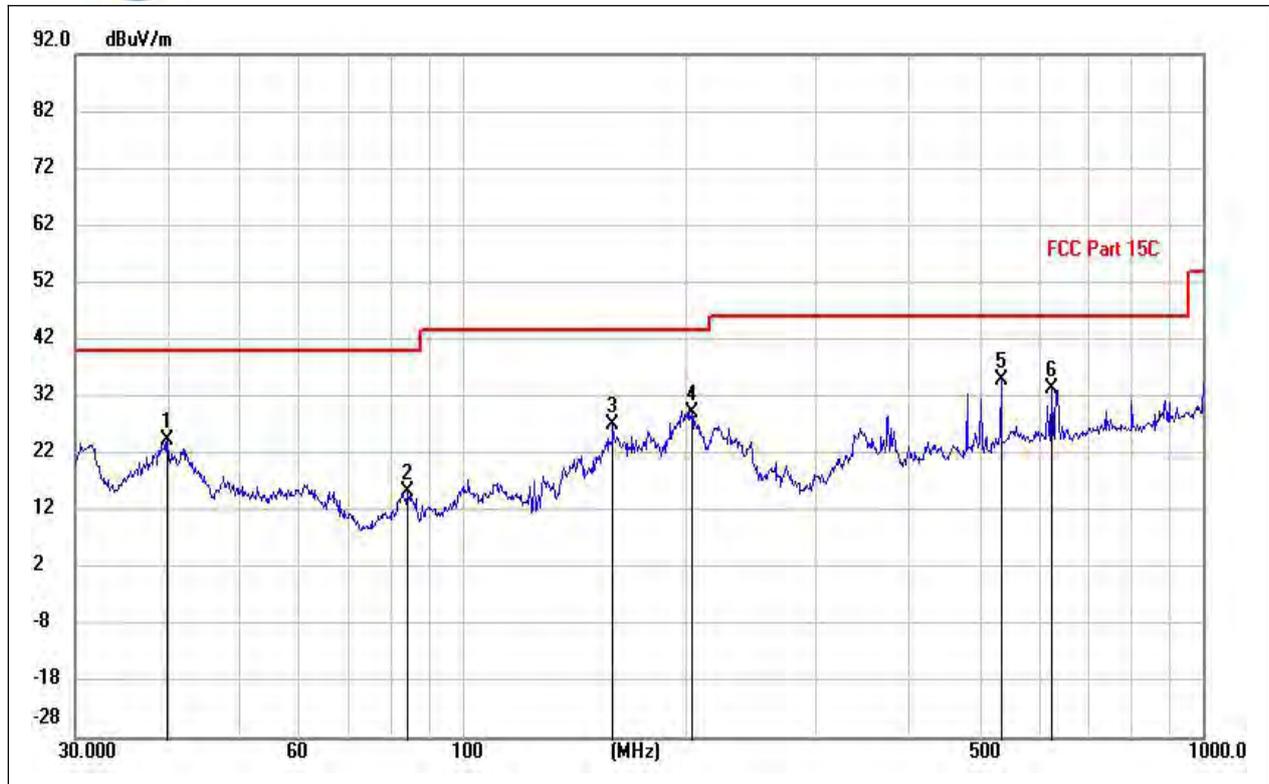
(802.11n_40M_2422MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1050.680	41.78	---	74.00	32.22	H	30.38
1050.680	---	29.35	54.00	24.65	H	30.38
1256.728	42.16	---	74.00	31.84	H	31.72
1256.728	---	30.27	54.00	23.73	H	31.72
1526.482	44.40	---	74.00	29.60	H	34.24
1534.890	---	32.95	54.00	21.05	H	34.39
1795.997	48.23	---	74.00	25.77	H	37.68
1803.907	---	36.94	54.00	17.06	H	37.68
2212.884	50.94	---	74.00	23.06	H	39.97
2229.967	---	39.42	54.00	14.58	H	40.17
2603.590	58.22	---	74.00	15.78	H	44.94
2603.590	---	45.10	54.00	8.90	H	44.94



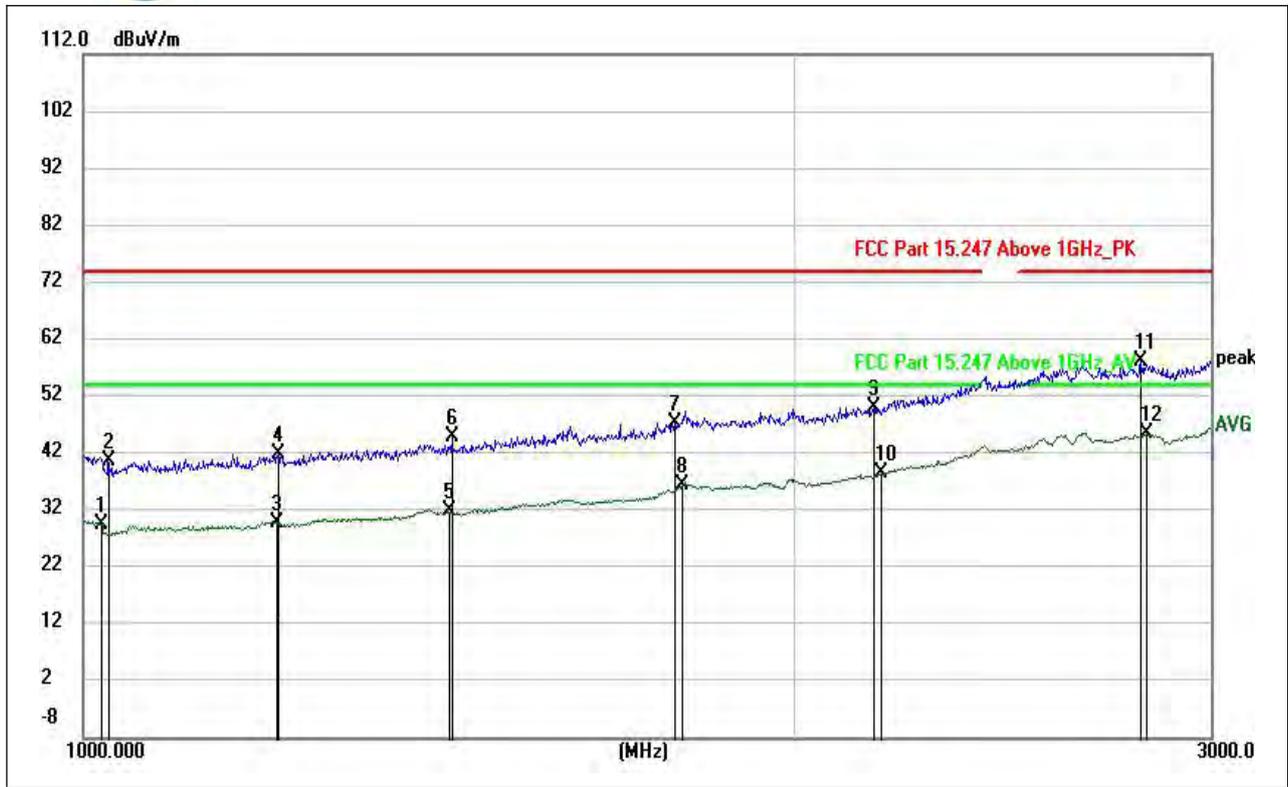
(802.11n_40M_2422MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
4845.000	49.56	---	74.00	24.44	H	-3.06
4845.000	---	38.70	54.00	15.30	H	-3.06
7260.000	---	46.77	54.00	7.23	H	-0.32
7275.000	57.48	---	74.00	16.52	H	-0.30
9465.000	44.06	---	74.00	29.94	H	1.77
9465.000	---	32.48	54.00	21.52	H	1.77
11715.000	---	32.69	54.00	21.31	H	3.99
11745.000	44.48	---	74.00	29.52	H	3.93
14370.000	46.79	---	74.00	27.21	H	9.35
14370.000	---	35.37	54.00	18.63	H	9.35
16710.000	---	36.58	54.00	17.42	H	11.78
16725.000	48.49	---	74.00	25.51	H	11.82



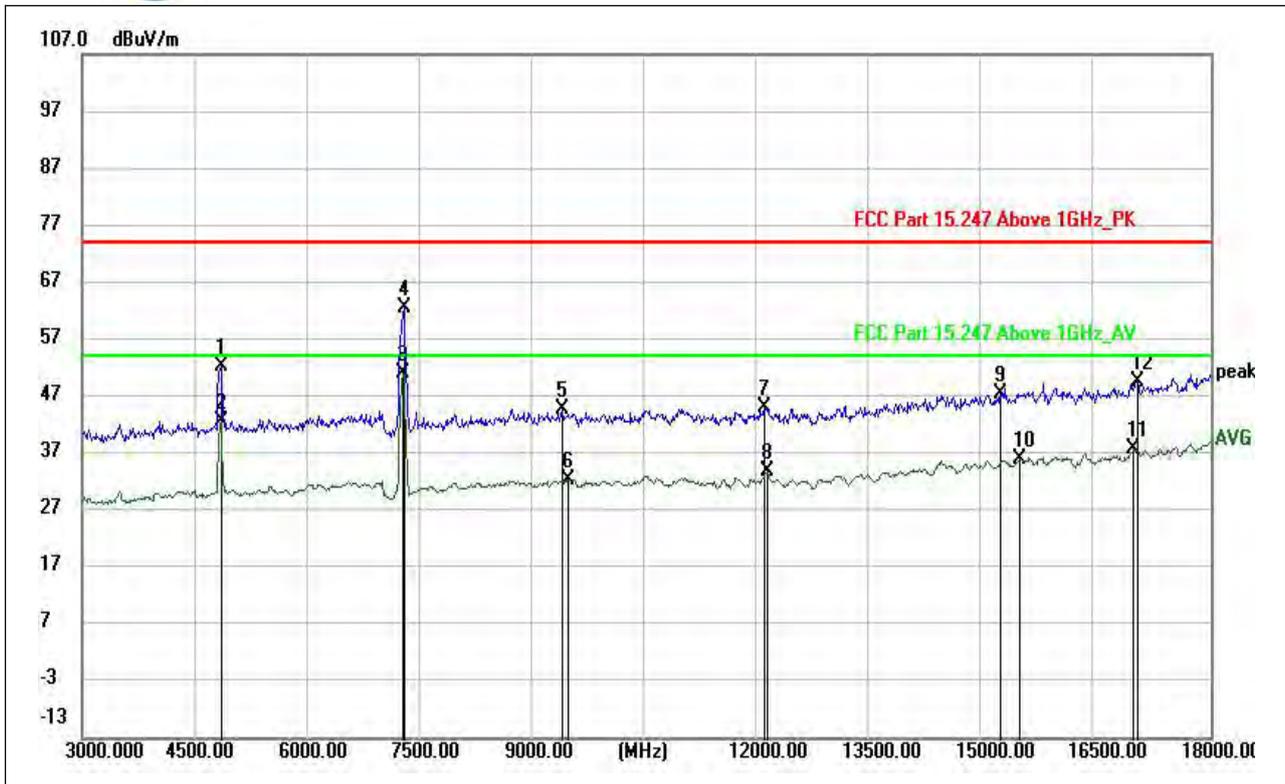
(802.11n_40M_2422MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB/m)
39.9942	24.40	40.00	15.60	V	15.69
84.4054	15.37	40.00	24.63	V	10.53
159.7844	26.96	43.50	16.54	V	12.13
204.2377	29.26	43.50	14.24	V	13.62
533.8321	34.98	46.00	11.02	V	22.25
625.0780	33.26	46.00	12.74	V	23.84



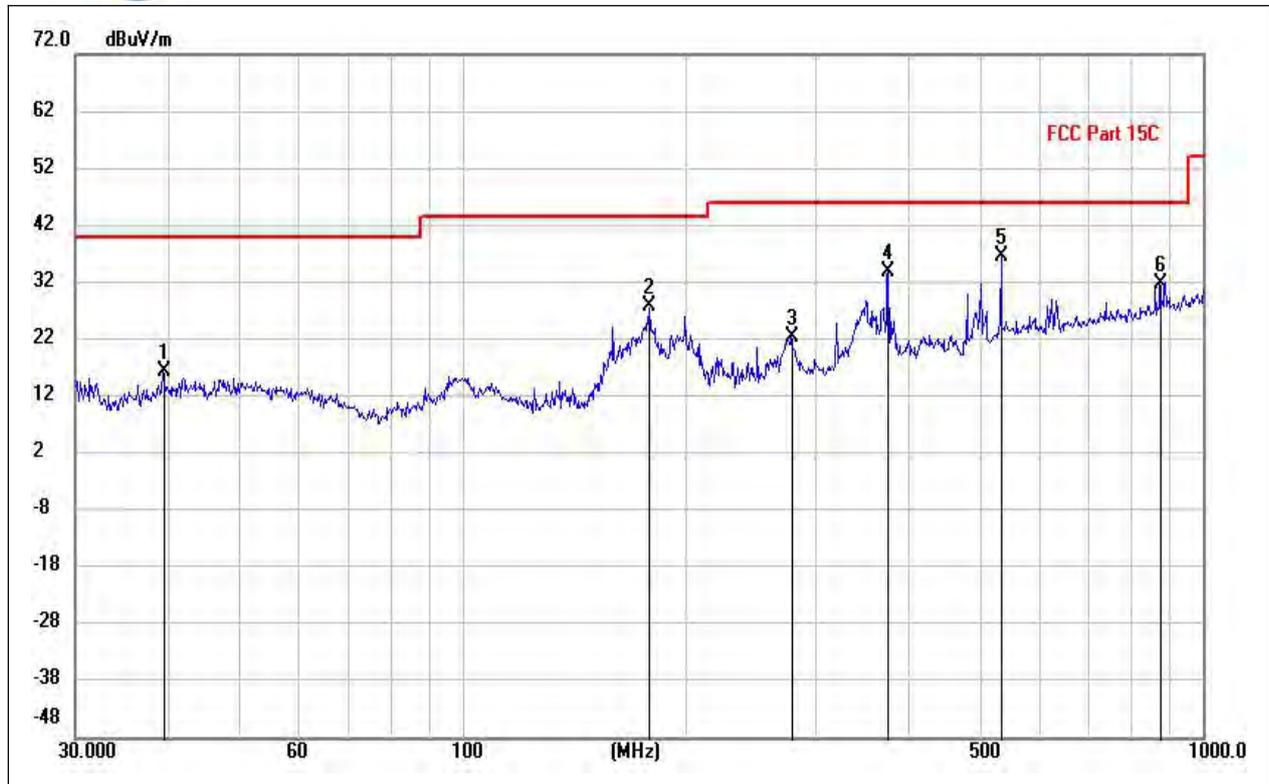
(802.11n_40M_2422MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	QuasiPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1016.616	---	29.67	54.00	24.33	V	29.24
1024.464	40.66	---	74.00	33.34	V	29.10
1207.994	---	29.90	54.00	24.10	V	31.41
1209.322	41.95	---	74.00	32.05	V	31.35
1427.537	---	31.91	54.00	22.09	V	33.27
1432.249	44.88	---	74.00	29.12	V	33.22
1780.281	47.33	---	74.00	26.67	V	36.28
1792.055	---	36.39	54.00	17.61	V	37.31
2160.041	49.92	---	74.00	24.08	V	39.00
2176.716	---	38.48	54.00	15.52	V	39.39
2802.462	58.15	---	74.00	15.85	V	45.90
2817.898	---	45.38	54.00	8.62	V	44.62



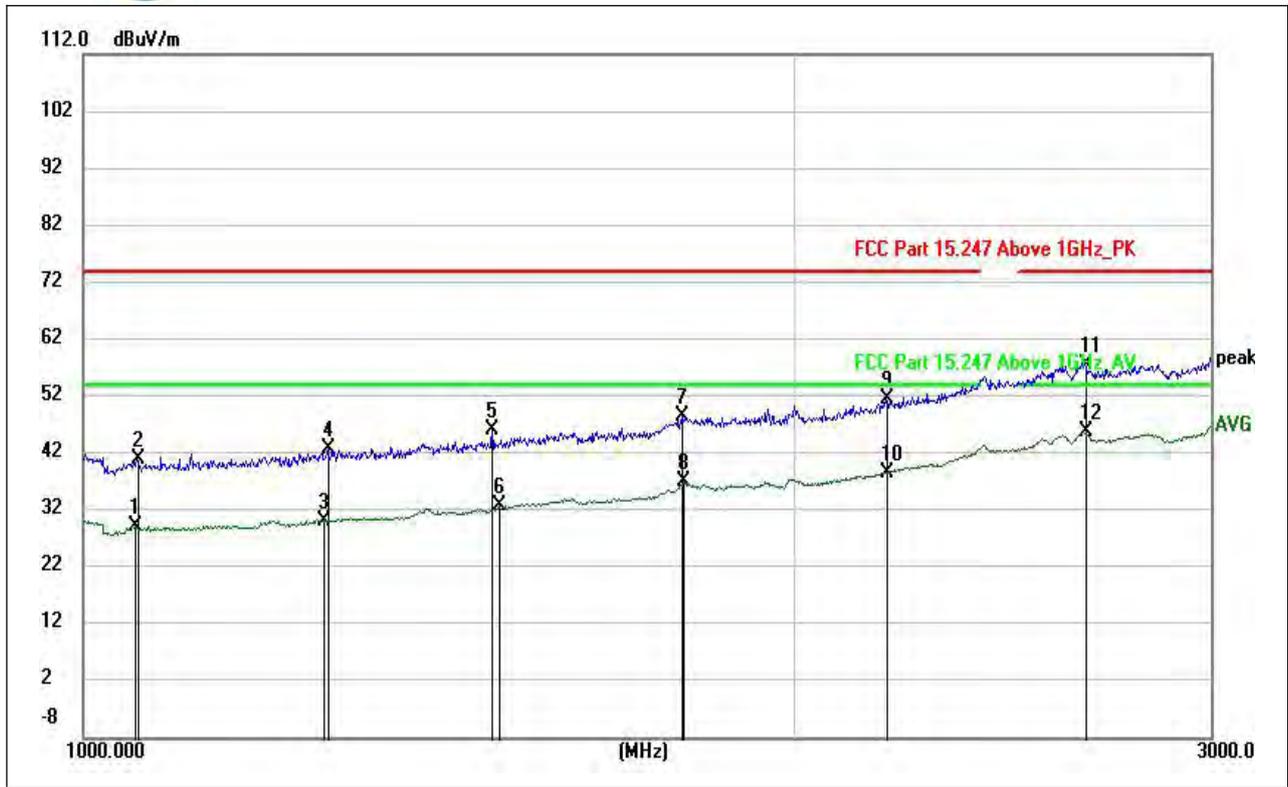
(802.11n_40M_2422MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	QuasiPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
4845.000	52.41	---	74.00	21.59	V	-3.06
4845.000	---	42.57	54.00	11.43	V	-3.06
7260.000	---	51.10	54.00	2.90	V	-0.32
7275.000	62.56	---	74.00	11.44	V	-0.30
9390.000	44.68	---	74.00	29.32	V	2.00
9465.000	---	32.52	54.00	21.48	V	2.03
12060.000	45.10	---	74.00	28.90	V	4.80
12105.000	---	33.80	54.00	20.20	V	4.25
15210.000	47.49	---	74.00	26.51	V	9.62
15465.000	---	35.99	54.00	18.01	V	10.42
16980.000	---	37.66	54.00	16.34	V	12.81
17025.000	49.55	---	74.00	24.45	V	12.93



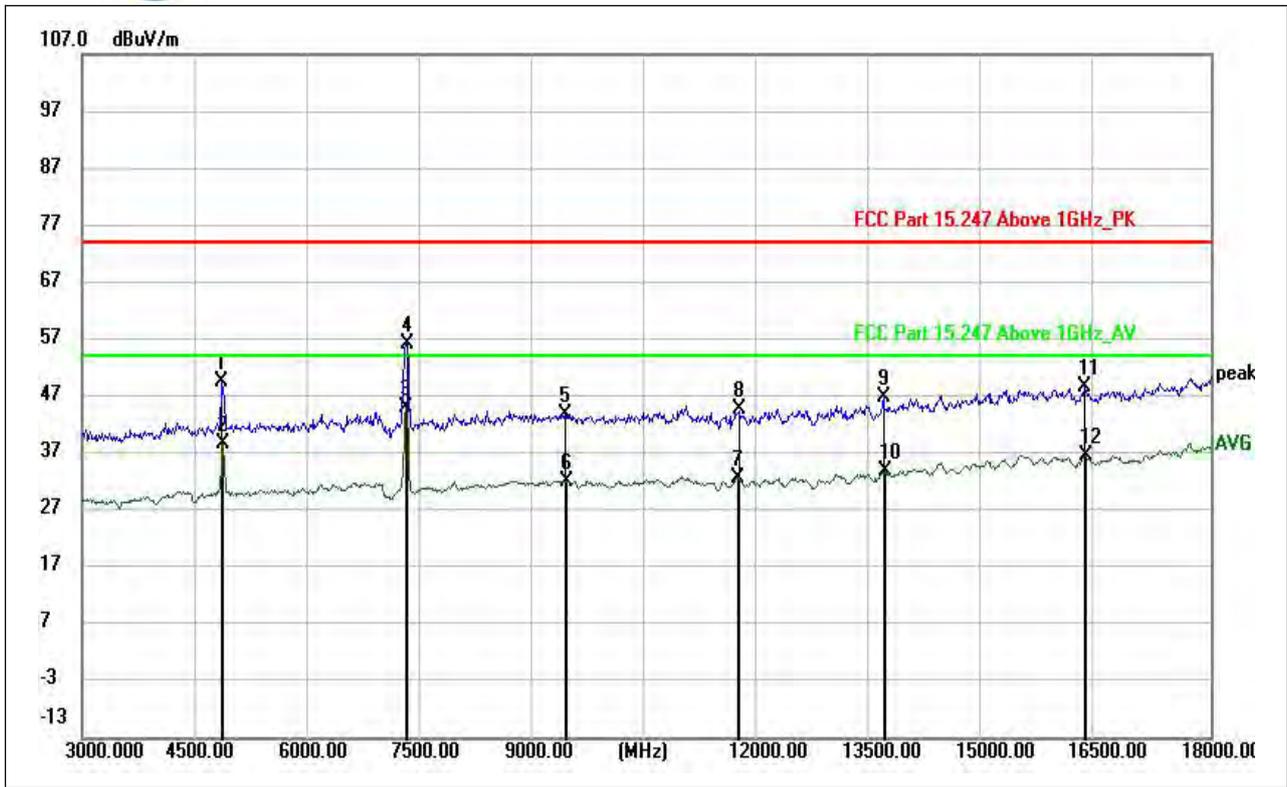
(802.11n_40M_2437MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
39.4372	16.46	40.00	23.54	H	14.85
178.7584	27.68	43.50	15.82	H	12.45
278.0669	22.43	46.00	23.57	H	16.22
375.9385	33.86	46.00	12.14	H	18.54
533.8321	36.59	46.00	9.41	H	22.25
875.2470	31.71	46.00	14.29	H	27.51



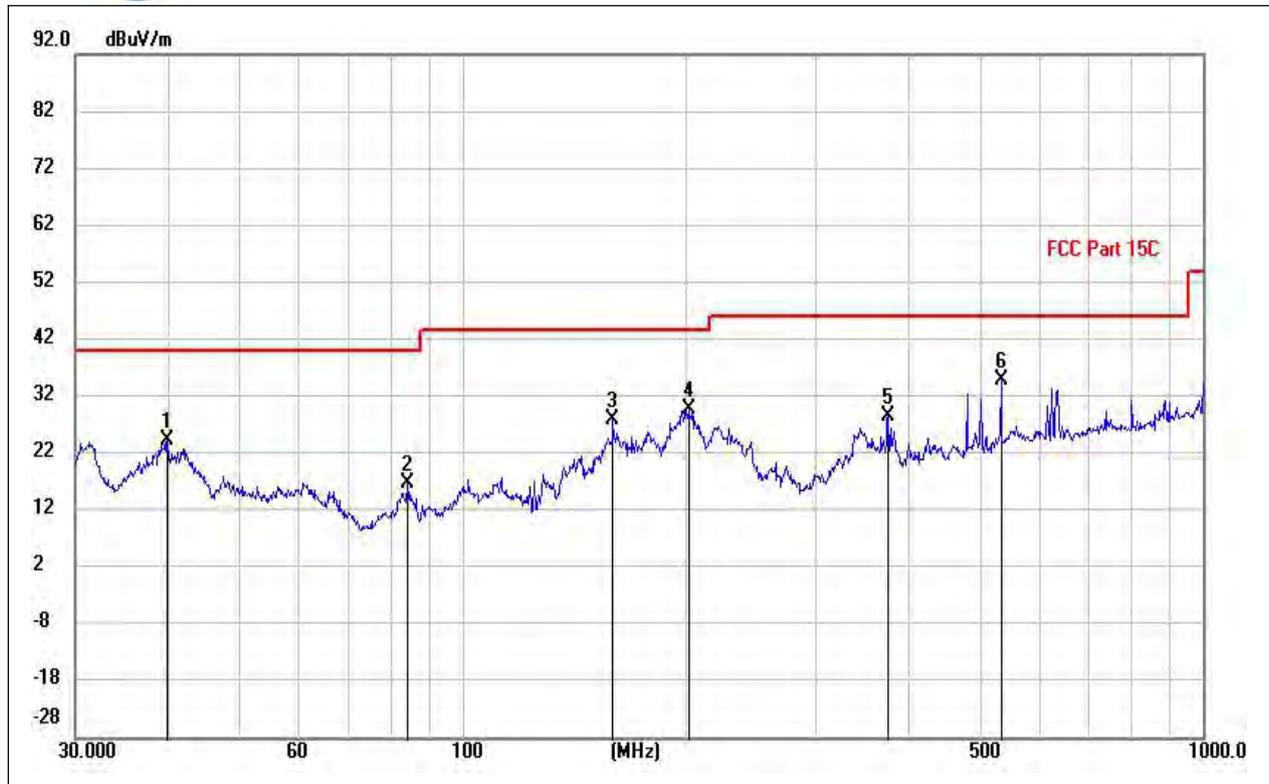
(802.11n_40M_2437MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1051.835	---	29.29	54.00	24.71	H	30.32
1054.149	41.04	---	74.00	32.96	H	30.22
1265.039	---	30.29	54.00	23.71	H	31.81
1269.215	42.91	---	74.00	31.09	H	31.85
1490.030	46.10	---	74.00	27.90	H	33.50
1499.884	---	32.80	54.00	21.20	H	33.77
1794.025	48.42	---	74.00	25.58	H	37.50
1795.997	---	36.97	54.00	17.03	H	37.68
2186.303	51.43	---	74.00	22.57	H	39.62
2188.706	---	38.71	54.00	15.29	H	39.68
2652.673	57.59	---	74.00	16.41	H	45.31
2655.589	---	45.81	54.00	8.19	H	45.17



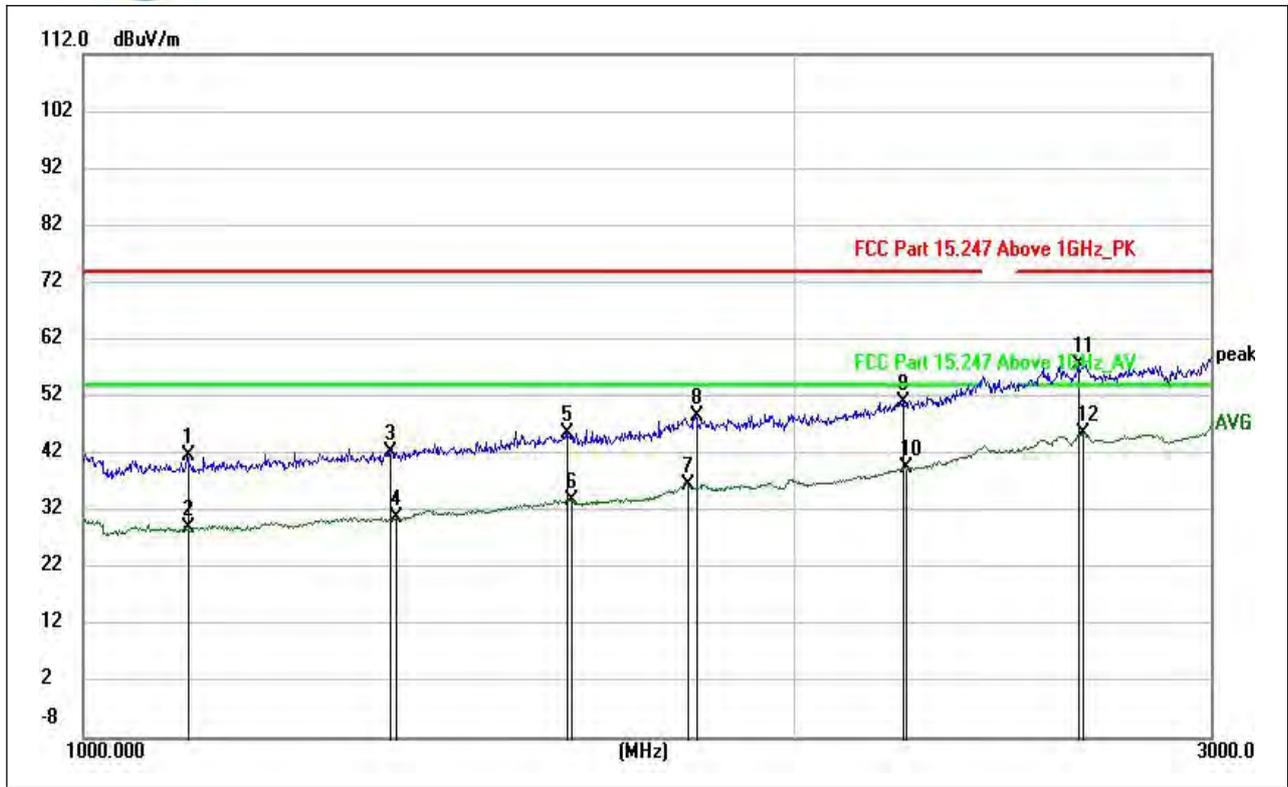
(802.11n_40M_2437MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
4860.000	49.64	---	74.00	24.36	H	-2.95
4875.000	---	38.77	54.00	15.23	H	-2.86
7305.000	---	45.18	54.00	8.82	H	-0.26
7320.000	56.23	---	74.00	17.77	H	-0.24
9420.000	43.98	---	74.00	30.02	H	2.00
9450.000	---	32.22	54.00	21.78	H	1.88
11715.000	---	32.82	54.00	21.18	H	3.99
11745.000	44.59	---	74.00	29.41	H	3.93
13650.000	46.91	---	74.00	27.09	H	7.19
13680.000	---	33.91	54.00	20.09	H	7.16
16320.000	48.64	---	74.00	25.36	H	11.74
16335.000	---	36.58	54.00	17.42	H	11.70



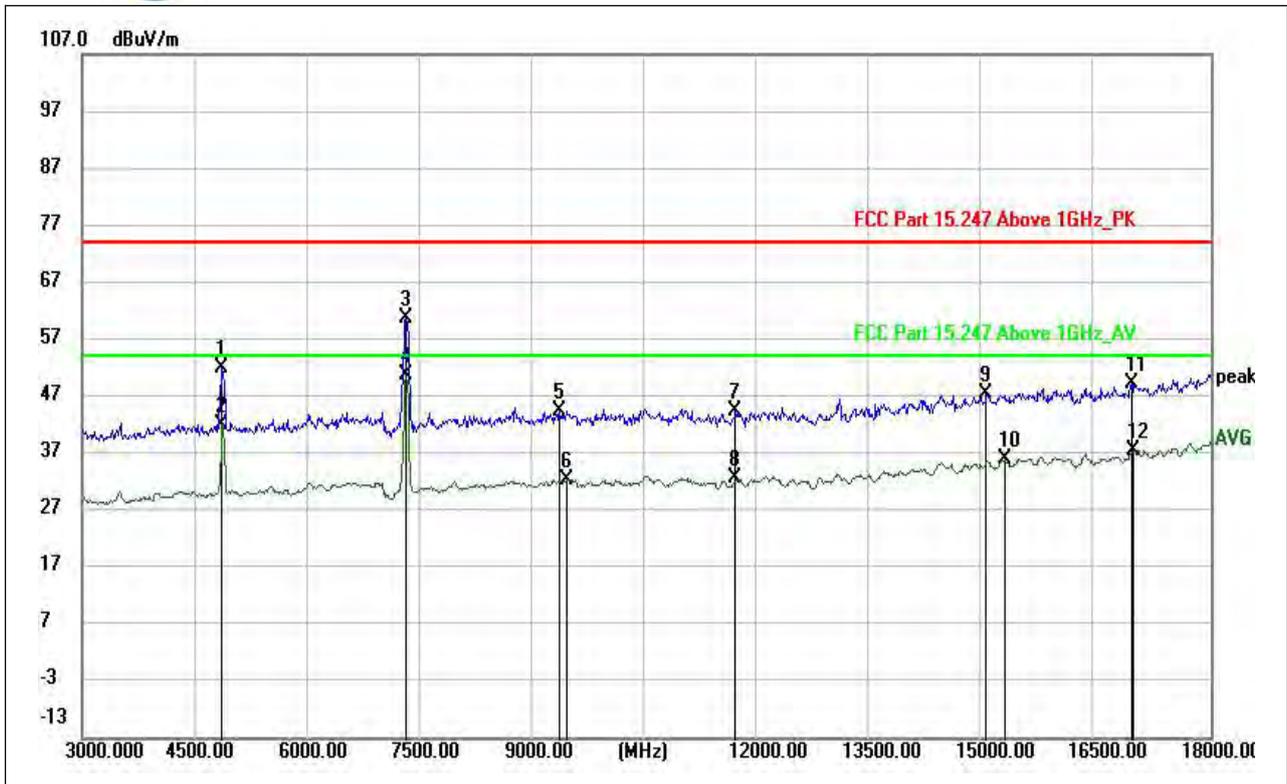
(802.11n_40M_2437MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
39.9942	24.40	40.00	15.60	V	15.69
84.4054	16.65	40.00	23.35	V	10.53
159.7844	27.90	43.50	15.60	V	12.13
202.1005	29.67	43.50	13.83	V	13.95
375.9385	28.55	46.00	17.45	V	18.54
533.8321	34.98	46.00	11.02	V	22.25



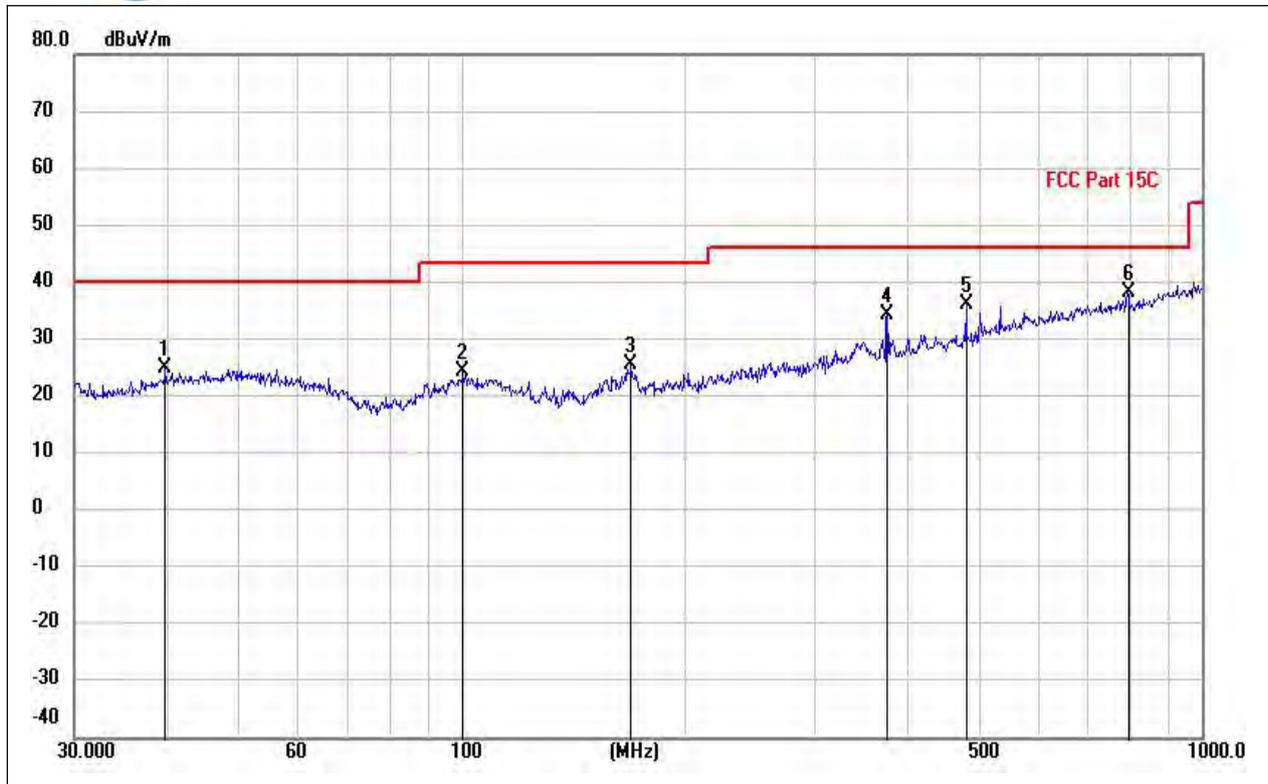
(802.11n_40M_2437MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	QuasiPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1106.357	41.56	---	74.00	32.44	V	30.18
1107.573	---	29.02	54.00	24.98	V	30.19
1346.790	42.29	---	74.00	31.71	V	32.12
1357.187	---	30.61	54.00	23.39	V	32.17
1603.844	45.63	---	74.00	28.37	V	35.36
1607.372	---	33.86	54.00	20.14	V	35.27
1801.926	---	36.54	54.00	17.46	V	37.82
1815.837	48.59	---	74.00	25.41	V	36.86
2222.630	50.95	---	74.00	23.05	V	40.11
2227.519	---	39.47	54.00	14.53	V	40.15
2638.141	57.60	---	74.00	16.40	V	44.96
2649.760	---	45.64	54.00	8.36	V	45.45



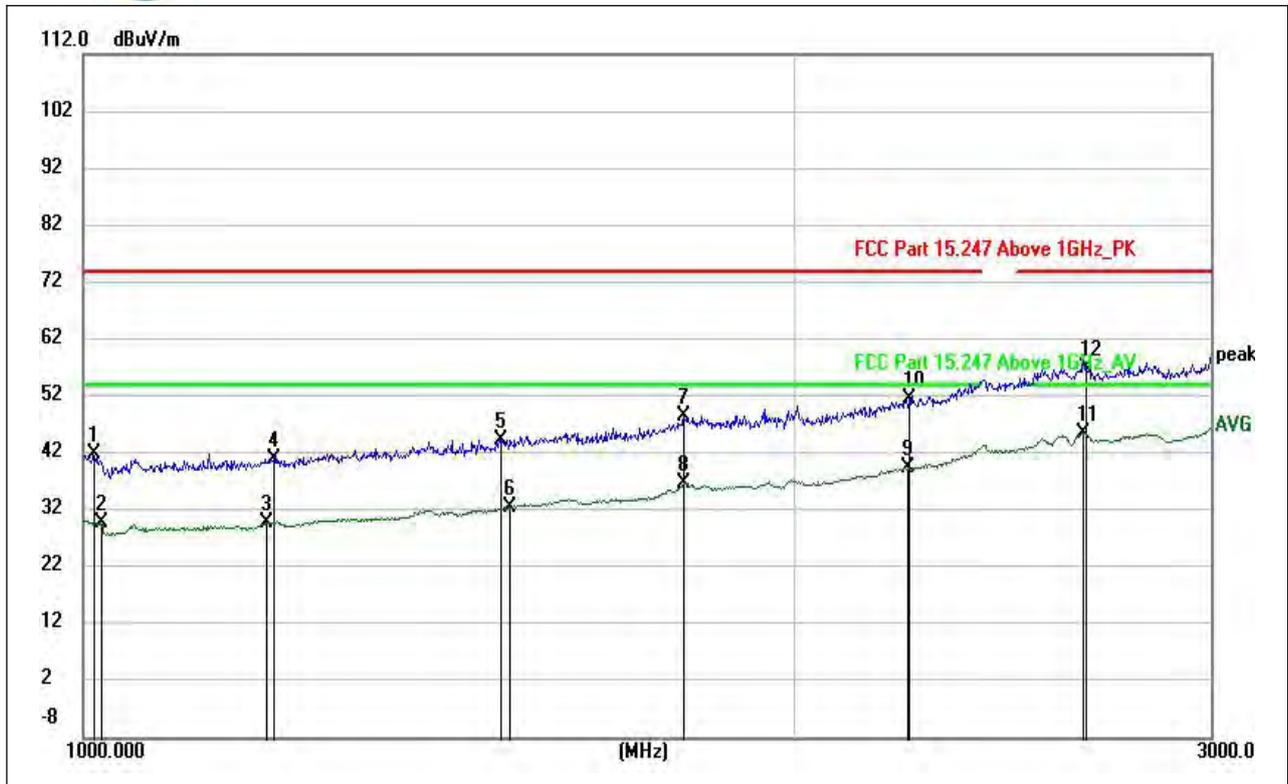
(802.11n_40M_2437MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
4860.000	51.86	---	74.00	22.14	V	-2.95
4860.000	---	42.17	54.00	11.83	V	-2.95
7305.000	60.70	---	74.00	13.30	V	-0.26
7305.000	---	50.72	54.00	3.28	V	-0.26
9345.000	44.46	---	74.00	29.54	V	1.75
9435.000	---	32.50	54.00	21.50	V	2.12
11685.000	44.43	---	74.00	29.57	V	3.90
11685.000	---	32.56	54.00	21.44	V	3.90
15015.000	47.43	---	74.00	26.57	V	10.70
15255.000	---	36.00	54.00	18.00	V	9.91
16950.000	49.22	---	74.00	24.78	V	12.56
16980.000	---	37.57	54.00	16.43	V	12.81



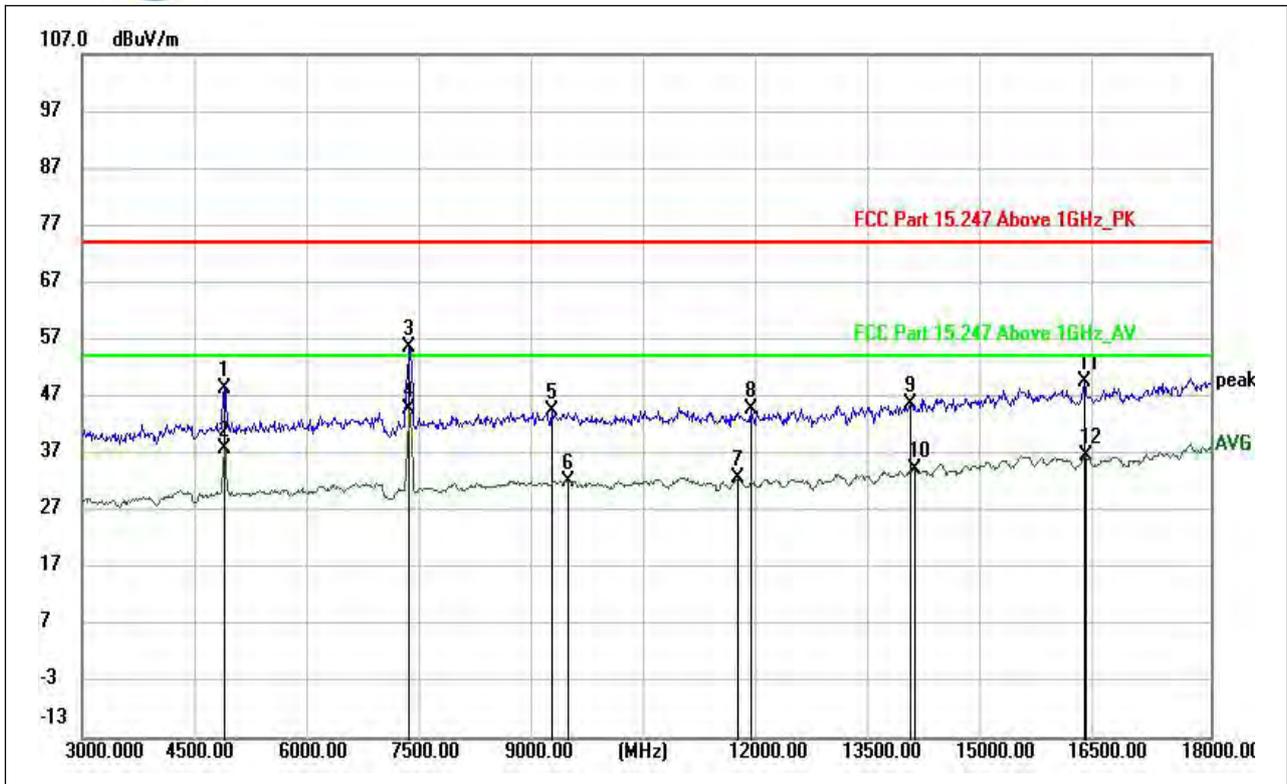
(802.11n_40M_2452MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
39.8542	25.10	40.00	14.90	H	15.48
100.5806	24.39	43.50	19.11	H	15.07
169.5990	25.64	43.50	17.86	H	12.39
375.9385	34.37	46.00	11.63	H	18.54
480.5276	36.12	46.00	9.88	H	21.47
793.3960	38.21	46.00	7.79	H	26.18



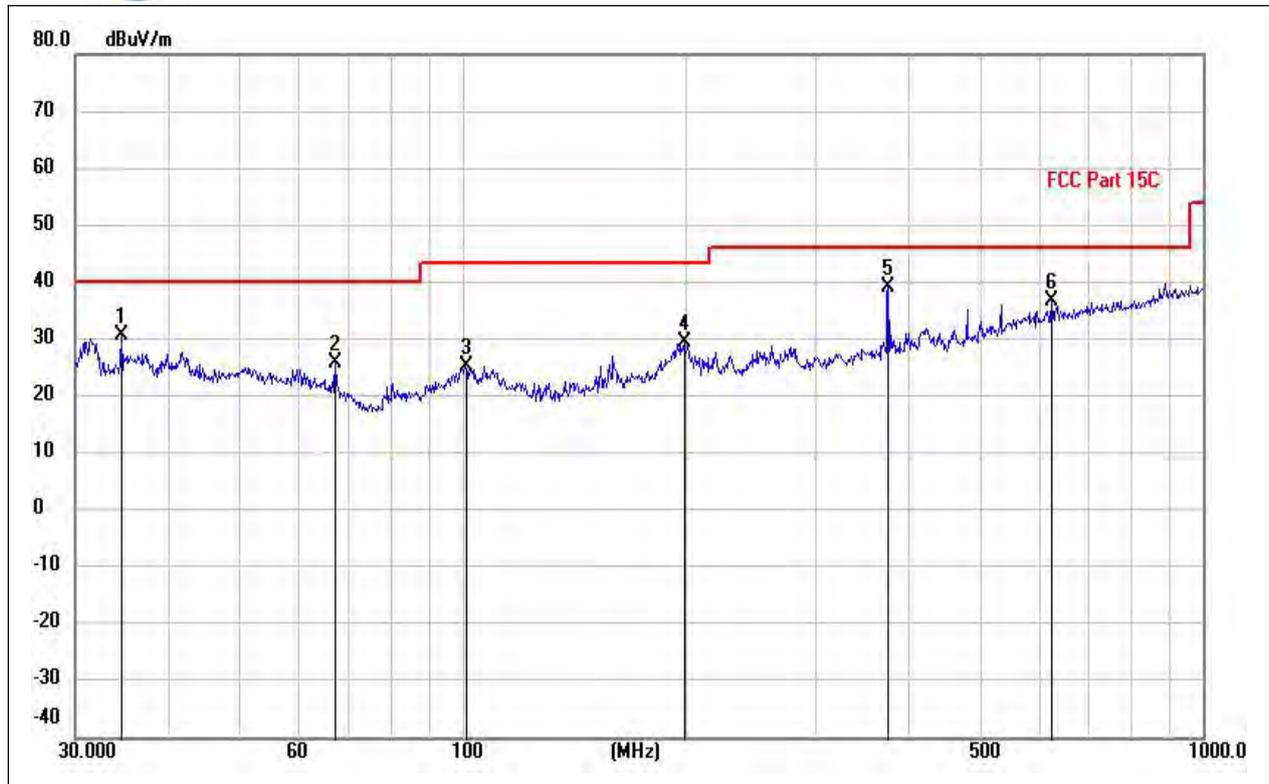
(802.11n_40M_2452MHz, Antenna Horizontal, 1GHz to 3GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1009.937	41.79	---	74.00	32.21	H	29.54
1016.616	---	29.79	54.00	24.21	H	29.24
1194.796	---	29.91	54.00	24.09	H	31.43
1204.019	40.87	---	74.00	33.13	H	31.60
1503.183	44.36	---	74.00	29.64	H	33.83
1514.788	---	32.63	54.00	21.37	H	33.97
1795.997	48.66	---	74.00	25.34	H	37.68
1795.997	---	36.89	54.00	17.11	H	37.68
2234.872	---	39.57	54.00	14.43	H	40.23
2237.329	51.45	---	74.00	22.55	H	40.24
2649.760	---	45.60	54.00	8.40	H	45.45
2655.589	57.12	---	74.00	16.88	H	45.17



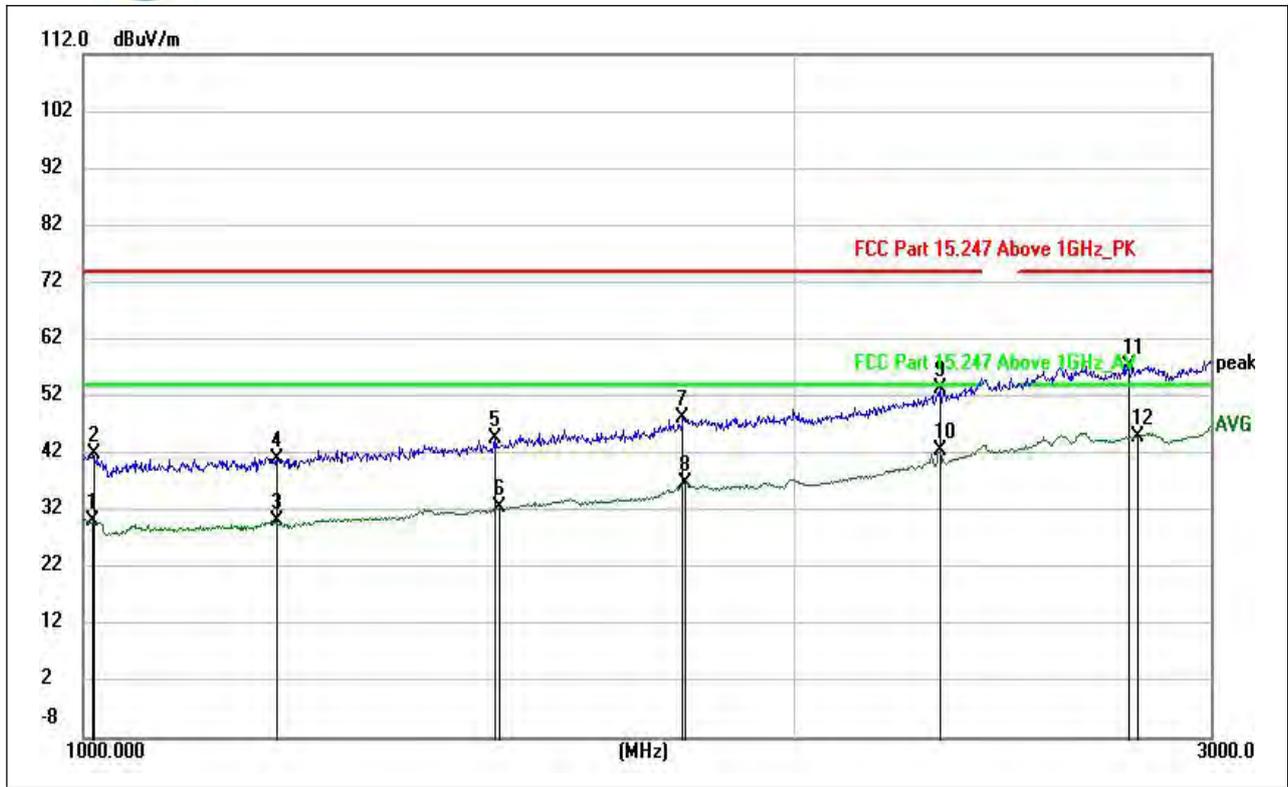
(802.11n_40M_2452MHz, Antenna Horizontal, 3GHz to 18GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
4890.000	48.48	---	74.00	25.52	H	-2.76
4890.000	---	37.71	54.00	16.29	H	-2.76
7350.000	55.45	---	74.00	18.55	H	-0.21
7350.000	---	44.77	54.00	9.23	H	-0.21
9240.000	44.37	---	74.00	29.63	H	2.12
9465.000	---	32.18	54.00	21.82	H	1.77
11715.000	---	32.76	54.00	21.24	H	3.99
11895.000	44.74	---	74.00	29.26	H	3.66
14010.000	45.66	---	74.00	28.34	H	8.10
14070.000	---	34.15	54.00	19.85	H	8.40
16320.000	49.50	---	74.00	24.50	H	11.74
16335.000	---	36.57	54.00	17.43	H	11.70



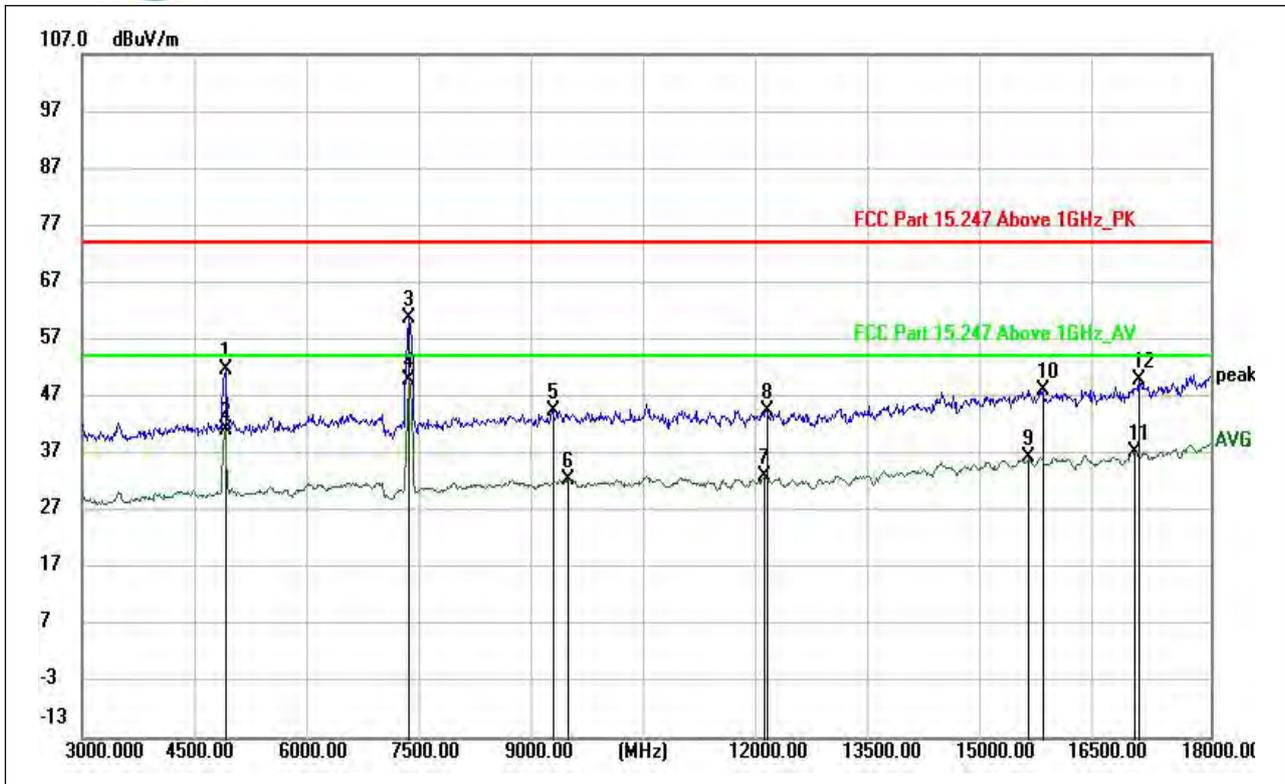
(802.11n_40M_2452MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
34.6385	30.67	40.00	9.33	V	12.61
67.4382	25.79	40.00	14.21	V	12.60
100.9340	25.32	43.50	18.18	V	15.00
199.2855	29.61	43.50	13.89	V	14.25
375.9385	39.20	46.00	6.80	V	18.54
625.0780	36.59	46.00	9.41	V	23.84



(802.11n_40M_2452MHz, Antenna Vertical , 1GHz to 3GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1008.828	---	30.02	54.00	23.98	V	29.59
1009.937	42.03	---	74.00	31.97	V	29.54
1206.668	---	30.10	54.00	23.90	V	31.47
1207.994	41.07	---	74.00	32.93	V	31.41
1493.307	44.52	---	74.00	29.48	V	33.59
1499.884	---	32.58	54.00	21.42	V	33.77
1794.025	48.09	---	74.00	25.91	V	37.50
1797.971	---	36.92	54.00	17.08	V	37.82
2304.688	53.21	---	74.00	20.79	V	40.63
2304.688	---	42.45	54.00	11.55	V	40.63
2765.759	57.24	---	74.00	16.76	V	44.58
2790.174	---	44.95	54.00	9.05	V	45.28



(802.11n_40M_2452MHz, Antenna Vertical, 3GHz to 18GHz)

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
4905.000	51.63	---	74.00	22.37	V	-2.69
4905.000	---	40.97	54.00	13.03	V	-2.69
7335.000	60.71	---	74.00	13.29	V	-0.22
7350.000	---	50.01	54.00	3.99	V	-0.21
9255.000	44.37	---	74.00	29.63	V	2.39
9465.000	---	32.51	54.00	21.49	V	2.03
12060.000	---	32.93	54.00	21.07	V	4.80
12105.000	44.58	---	74.00	29.42	V	4.25
15585.000	---	36.23	54.00	17.77	V	10.35
15765.000	47.97	---	74.00	26.03	V	10.61
16995.000	---	37.24	54.00	16.76	V	12.91
17040.000	49.77	---	74.00	24.23	V	12.91



Annex A Test Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for test performed on the EUT as specified in CISPR 16-1-2:

Test items	Uncertainty
Peak Output Power	$\pm 2.22\text{dB}$
Power spectral density (PSD)	$\pm 2.22\text{dB}$
Bandwidth	$\pm 5\%$
Conducted Spurious Emission	$\pm 2.77\text{ dB}$
Restricted Frequency Bands	$\pm 5\%$
Radiated Emission	$\pm 3.1\text{dB}$
Conducted Emission	$\pm 1.8\text{dB}$

This uncertainty represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$



Annex B Testing Laboratory Information

1. Identification of the Responsible Testing Laboratory

Company Name:	Kehu-Morlab Test Laboratory
Address:	Unit 101, No.1732 Gangzhong Road, Xiamen Area, Pilot Free Trade Zone (Fujian), P.R. China
Telephone:	+86-592-5612050
Facsimile:	+86-592-5612095

2. Identification of the Responsible Testing Location

Name:	Kehu-Morlab Test Laboratory
Address:	Unit 101, No.1732 Gangzhong Road, Xiamen Area, Pilot Free Trade Zone (Fujian), P.R. China

3. Facilities and Accreditations

All measurement facilities used to collect the measurement data are located at Unit 101, No.1732 Gangzhong Road, Xiamen Area, Pilot Free Trade Zone (Fujian), P.R. China.

The test site is constructed in conformance with the requirements of ANSI C63.10-2013 and CISPR Publication 22; the FCC designation number is CN1249.

4. Test Equipments Utilized

4.1 Conducted Test Equipments

No.	Equipment Name	Serial No.	Model No.	Manufacturer	Cal.Date	Cal.Due Date
1	MXA Signal Analyzer	MY57150136	N9030A	Keysight	2019.01.05	2020.01.04
2	RF cable (30MHz-26.5GHz)	RF01	N/A	Morlab	2019.01.05	2020.01.04
3	Coaxial cable	RF02	N/A	Morlab	2019.01.05	2020.01.04
4	SMA connector	RF03	N/A	Xingbo	2019.01.05	2020.01.04
5	USB Power Sensor	MY56410006	U2021XA	Keysight	2019.01.03	2020.01.02

4.2 Conducted Emission Test Equipments

No.	Equipment Name	Serial No.	Model No.	Manufacturer	Cal.Date	Cal.Due Date
1	EMI Receiver	102174	ESR3	ESR3	2019.01.08	2020.01.07
2	LISN	101338	ENV432	ENV432	2019.01.14	2020.01.13
3	Pulse Limiter (10dB)	317	VTSD 9561 F	VTSD 9561 F	2019.01.14	2020.01.13



4	Coaxial cable(BNC) (30MHz-3GHz)	EMC01	N/A	Morlab	2019.01.14	2020.01.13
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4.4 List of Software Used

No	Model	Version Number	Producer	Test Item
1	EMC32	V10.00.00	Rode&Schwarz	RE
2	EMC32	V10.20.01	Rode&Schwarz	CE

4.5 Radiated Test Equipments

RSE Test System						
No.	Equipment Name	Serial No.	Model No.	Manufacturer	Cal. Date	Cal.Due Date
1	Anechoic Chamber	N/A	9m*6m*6m	ETS-Lindgren	2017.07.21	2020.07.20
2	Signal Analyzer	101294	FSV40	R&S	2019.01.04	2020.01.03
3	Active Ring Antenna	FMZB 1513 #269	FMZB 1513	Schwarzbeck	2019.01.12	2020.01.11
4	Linear Log Periodic Broad Band Antenna	949	VULB 9163	Schwarzbeck	2018.09.25	2021.09.24
5	Ultra-Wideband Horn Antenna	102615	HF907	R&S	2019.01.19	2020.01.18
6	Steatite Antennas	17868	QSH-SL-1 8-26-S-20	Seibersdorf	2019.01.12	2020.01.11
7	RF Switch and Control Platform	N/A	RSC	CDSI	N/A	N/A
8	Coaxial cable (N male) (9kHz -3GHz)	EMC02	N/A	Morlab	2019.01.04	2020.01.03
9	Coaxial cable (N male) (9kHz -3GHz)	EMC03	N/A	Morlab	2019.01.04	2020.01.03
10	Coaxial cable (N male) (1GHz-26.5GHz)	EMC04	N/A	Morlab	2019.01.04	2020.01.03
11	Coaxial cable (N male) (1GHz-26.5GHz)	EMC05	N/A	Morlab	2019.01.04	2020.01.03



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12	Pre-amplifier (1GHz-18GHz)	8810011	PAP-1G18	CDSI	2019.01.04	2020.01.03
13	Pre-amplifier (18GHz-40GHz)	17021-17024	PAP-1840	CDSI	2019.01.29	2020.01.28
14	Band stop Filter	EMC19	BJF2400/2 485-60	CDSI	2019.01.04	2020.01.03
15	High Pass Filter	EMC22	HFP-3.0/1 8G-60	CDSI	2019.01.04	2020.01.03

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