

2.8. Radiated Emission

2.8.1. Requirement

The peak emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (1) For transmitters operating in the 5.15–5.25 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of -27dBm/MHz.
- (2) For transmitters operating in the 5.25–5.35 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of -27dBm/MHz.
- (3) For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.

The following formula is used to convert the equipment isotropic radiated power(eirp) to field strength (dBμV/m);

$$E = 1000000 \times \sqrt{30P} / 3 \mu\text{V/m}$$

where P is the EIRP in Watts

Therefore: -27 dBm/MHz = 68.23 dBuV/m

Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209. 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 (μV/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

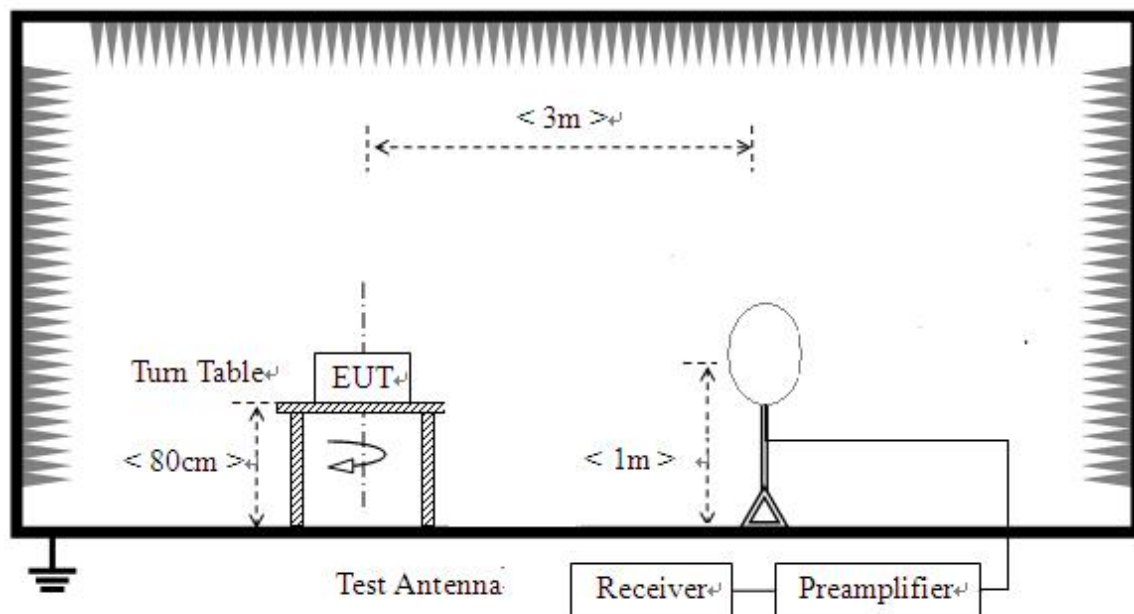
Note:

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.

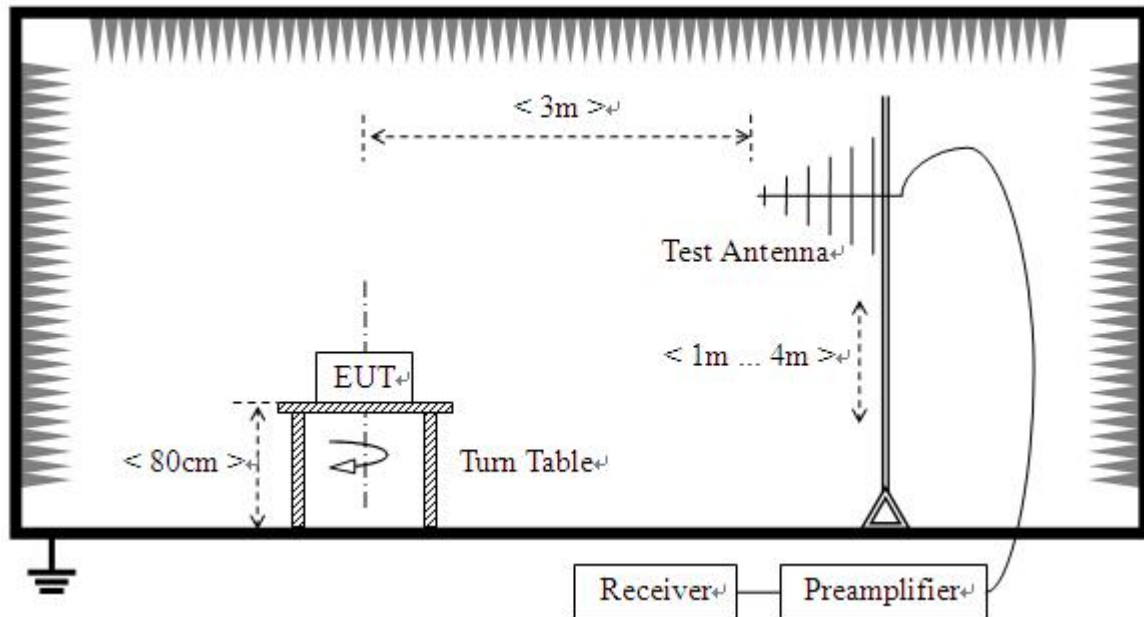
In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), also should comply with the radiated emission limits specified in Section 15.209(a)(above table)

2.8.2. Test Description**A. Test Setup:**

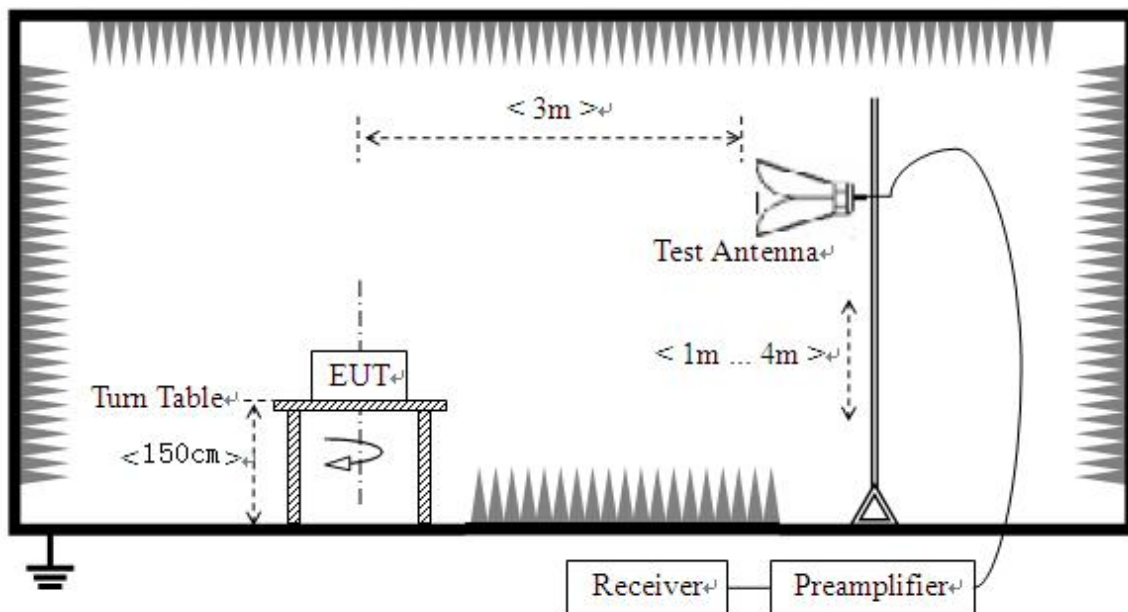
- 1) For radiated emissions from 9kHz to 30MHz



2) For radiated emissions from 30MHz to1GHz



3) For radiated emissions above 1GHz



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.

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 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.

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 20dB lower than the limit was not recorded.

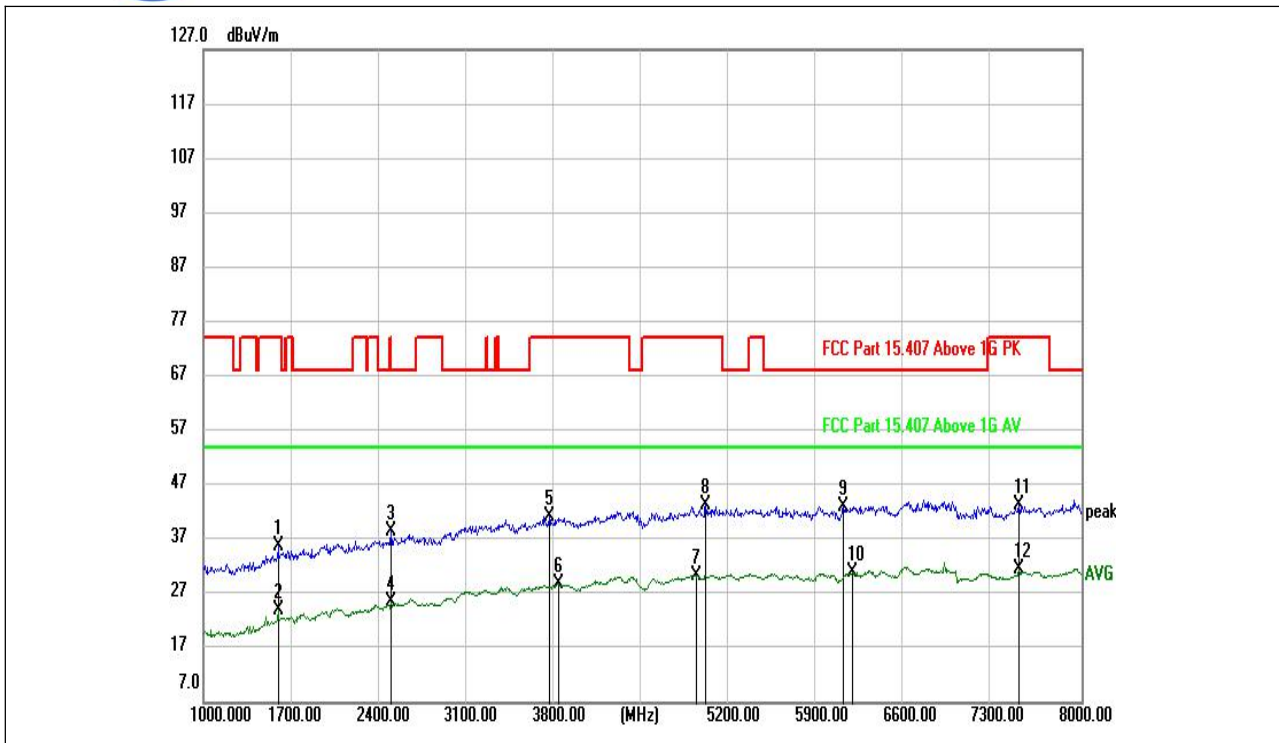
802.11a Test mode

Plot for Channel = 36



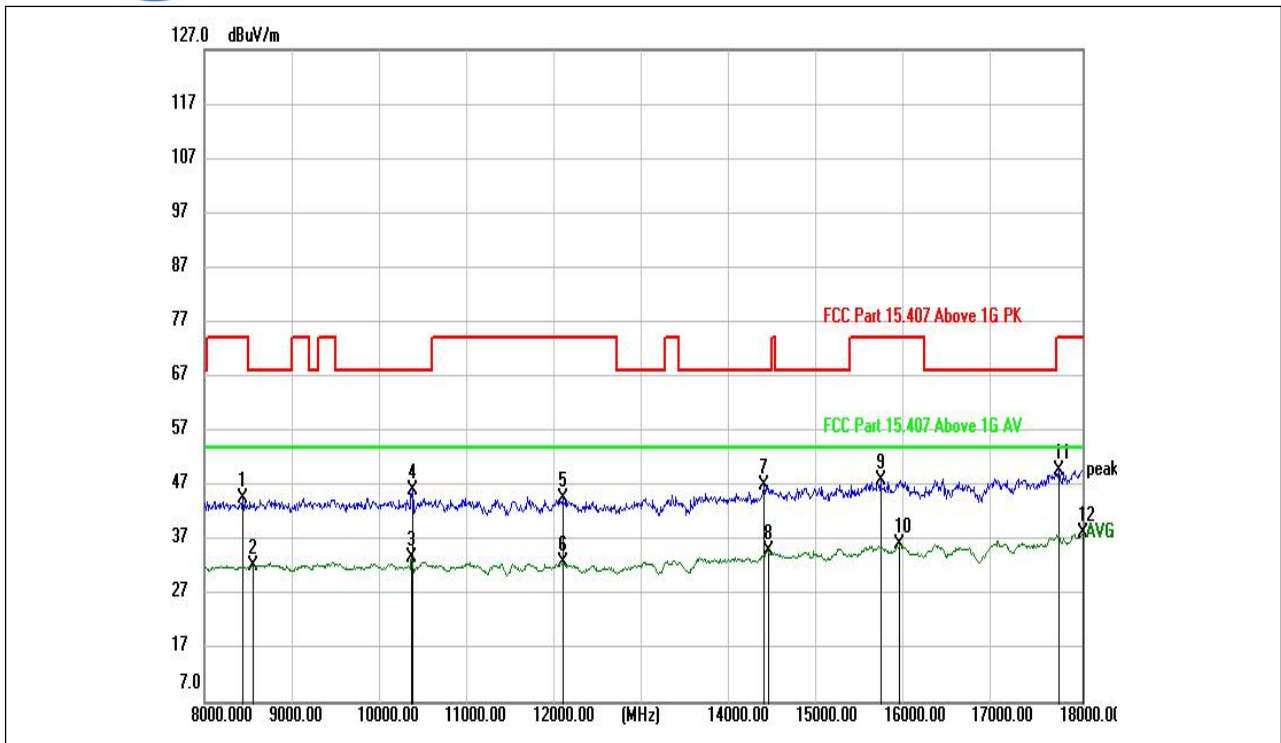
(802.11a _5180MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
77.0505	24.96	---	40.00	15.04	H	9.53
100.9340	34.75	---	43.50	8.75	H	15.00
199.9856	38.81	---	43.50	4.69	H	14.36
375.9385	33.12	---	46.00	12.88	H	18.54
480.5276	40.41	---	46.00	5.59	H	21.47
625.0780	34.86	---	46.00	11.14	H	23.84



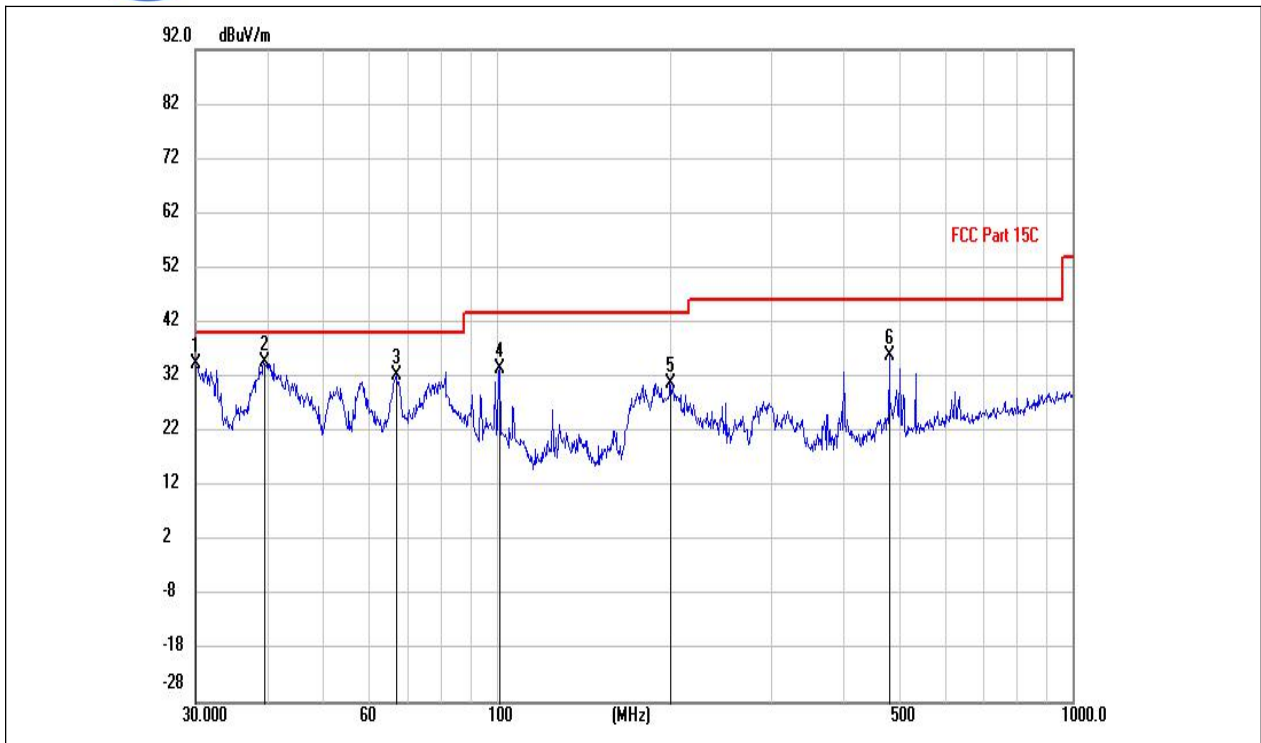
(802.11ac _5180MHz, Antenna Horizontal, 1GHz to 8GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1595.000	35.80	---	74.00	38.20	H	-14.54
1595.000	---	24.10	54.00	29.90	H	-14.54
2498.000	38.65	---	74.00	35.35	H	-11.31
2498.000	---	25.68	54.00	28.32	H	-11.31
3758.000	41.25	---	74.00	32.75	H	-5.71
3828.000	---	28.86	54.00	25.14	H	-5.72
4927.000	---	30.40	54.00	23.60	H	-2.85
5004.000	43.29	---	74.00	30.71	H	-3.55
6103.000	42.96	---	68.20	25.24	H	-2.68
6173.000	---	31.02	54.00	22.98	H	-2.09
7503.000	43.38	---	74.00	30.62	H	-0.18
7503.000	---	31.62	54.00	22.38	H	-0.18



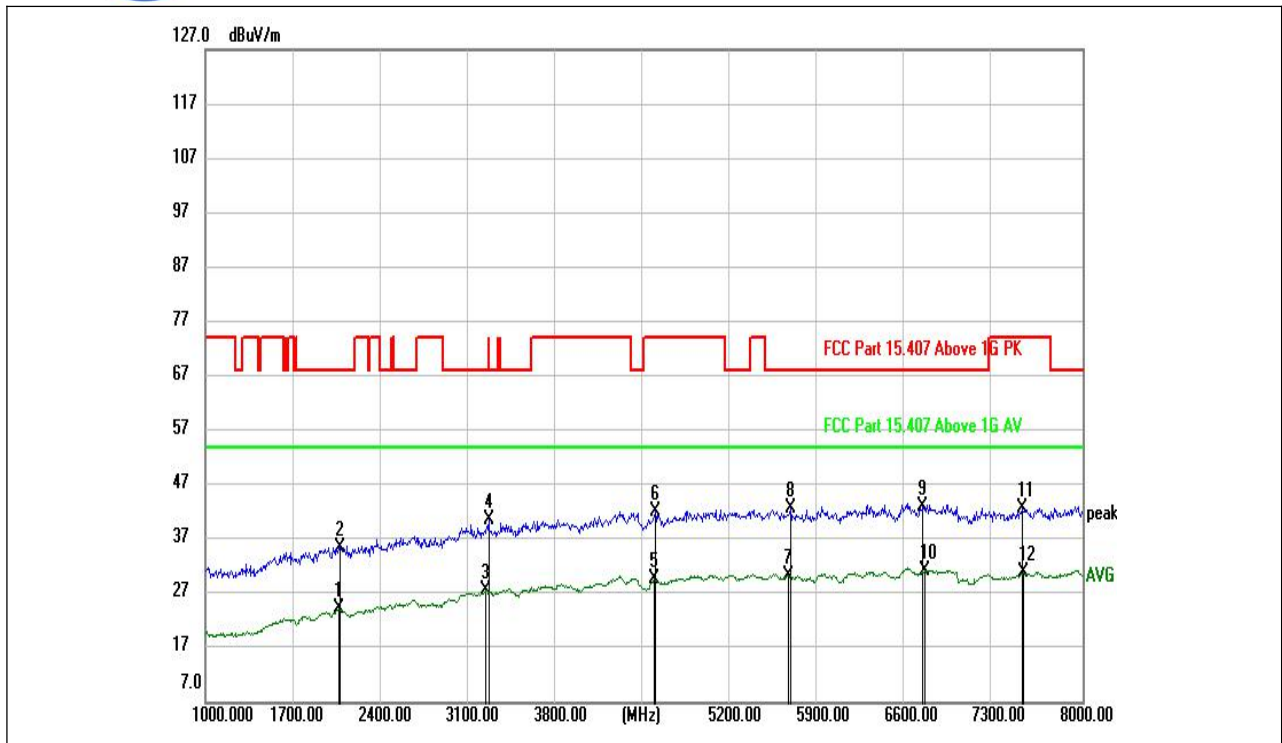
(802.11a _5180MHz, Antenna Horizontal, 8GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
8440.000	44.59	---	74.00	29.41	H	1.20
8550.000	---	32.23	54.00	21.77	H	1.56
10360.000	---	33.83	54.00	20.17	H	2.43
10370.000	45.99	---	68.20	22.21	H	2.38
12080.000	44.39	---	74.00	29.61	H	4.29
12090.000	---	32.83	54.00	21.17	H	4.19
14370.000	46.91	---	68.20	21.29	H	9.12
14420.000	---	34.95	54.00	19.05	H	8.71
15700.000	48.00	---	74.00	26.00	H	10.98
15920.000	---	36.03	54.00	17.97	H	11.26
17730.000	49.73	---	74.00	24.27	H	14.66
18000.000	---	38.08	54.00	15.92	H	15.00



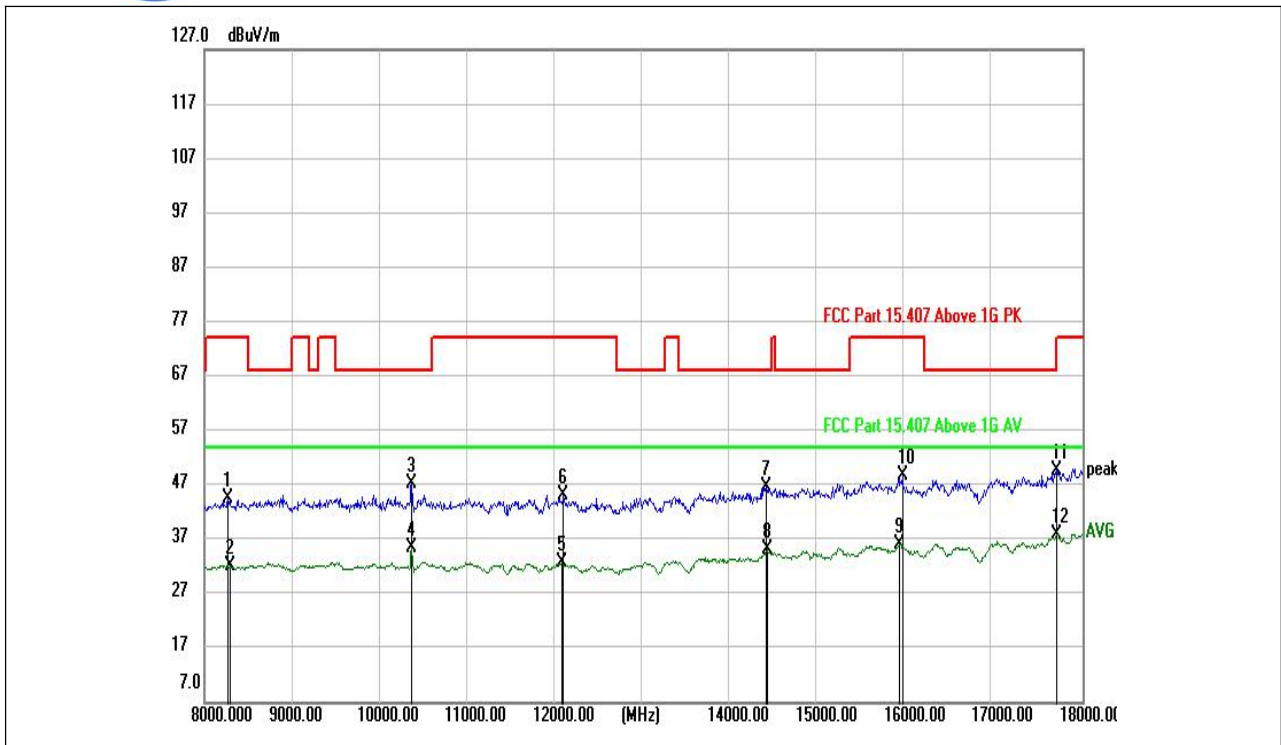
(802.11ac_5180MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
30.0000	34.23	---	40.00	5.77	V	13.90
39.4372	34.69	---	40.00	5.31	V	14.85
66.9669	32.08	---	40.00	7.92	V	12.73
101.2885	33.22	---	43.50	10.28	V	14.92
199.9856	30.73	---	43.50	12.77	V	14.36
480.5276	35.69	---	46.00	10.31	V	21.47



(802.11ac_5180MHz, Antenna Vertical , 1GHz to 8GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
2064.000	---	24.48	54.00	29.52	V	-11.69
2071.000	35.51	---	68.20	32.69	V	-11.53
3233.000	---	27.60	54.00	26.40	V	-7.43
3261.000	40.67	---	74.00	33.33	V	-7.34
4584.000	---	29.72	54.00	24.28	V	-4.27
4591.000	42.09	---	74.00	31.91	V	-4.26
5655.000	---	30.45	54.00	23.55	V	-2.62
5669.000	42.60	---	68.20	25.60	V	-2.72
6726.000	43.17	---	68.20	25.03	V	-1.45
6740.000	---	31.33	54.00	22.67	V	-1.44
7524.000	42.58	---	74.00	31.42	V	-0.15
7531.000	---	30.99	54.00	23.01	V	-0.10

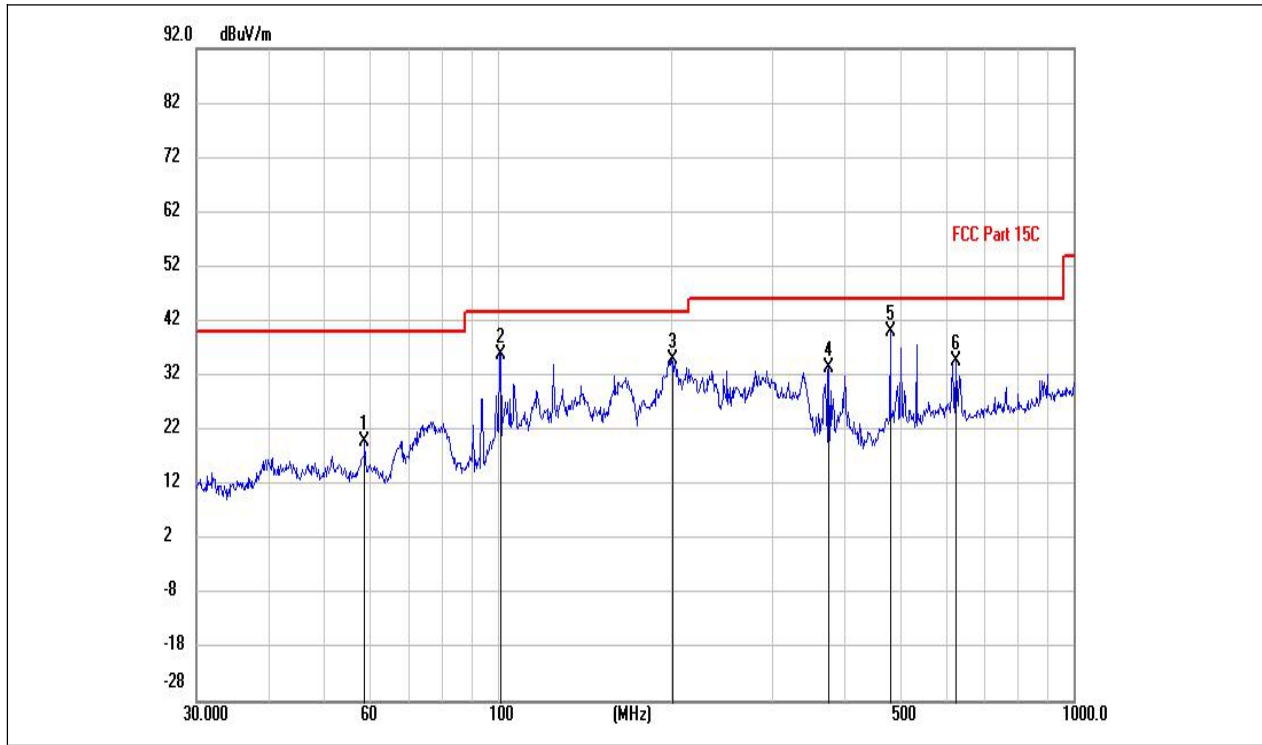


(802.11ac_5180MHz, Antenna Vertical, 8GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
8270.000	44.41	---	74.00	29.59	V	1.34
8300.000	---	32.15	54.00	21.85	V	1.55
10360.000	47.28	---	68.20	20.92	V	2.43
10360.000	---	35.60	54.00	18.40	V	2.43
12070.000	---	32.71	54.00	21.29	V	4.85
12090.000	45.14	---	74.00	28.86	V	4.57
14400.000	46.77	---	68.20	21.43	V	8.98
14410.000	---	35.11	54.00	18.89	V	8.96
15920.000	---	36.22	54.00	17.78	V	11.20
15950.000	48.66	---	74.00	25.34	V	11.40
17700.000	49.60	---	68.20	18.60	V	14.37
17700.000	---	37.91	54.00	16.09	V	14.37

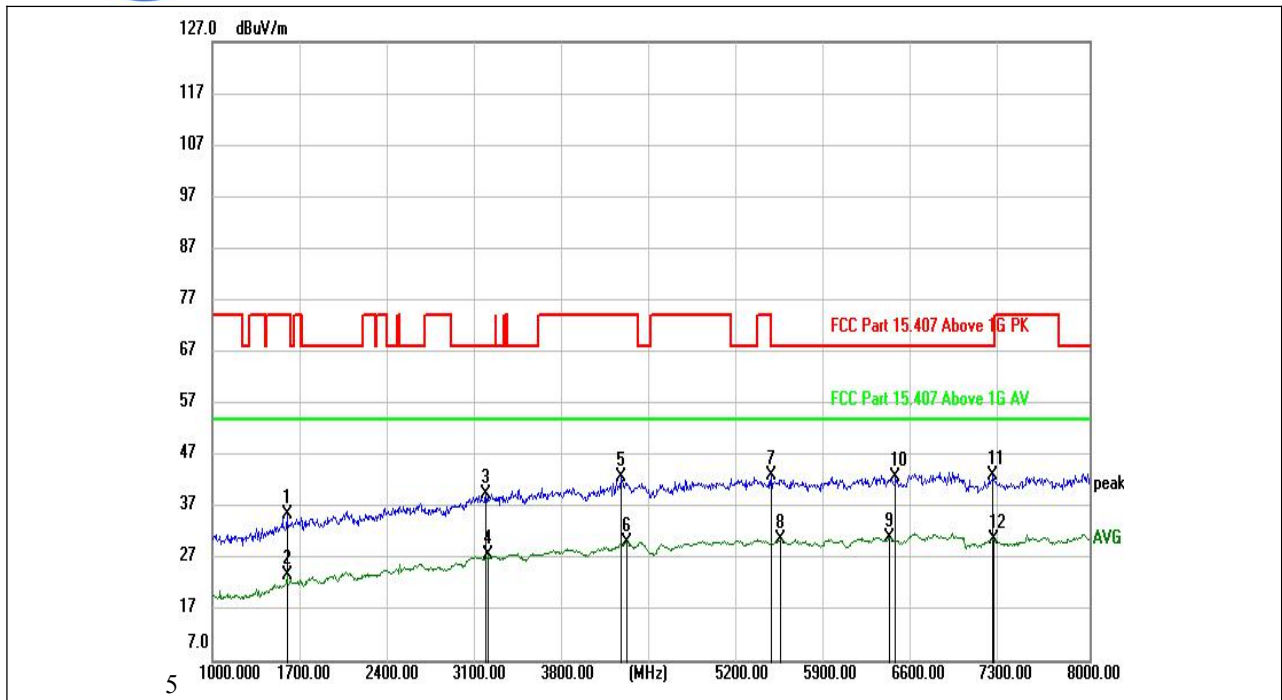


Plots for Channel = 40



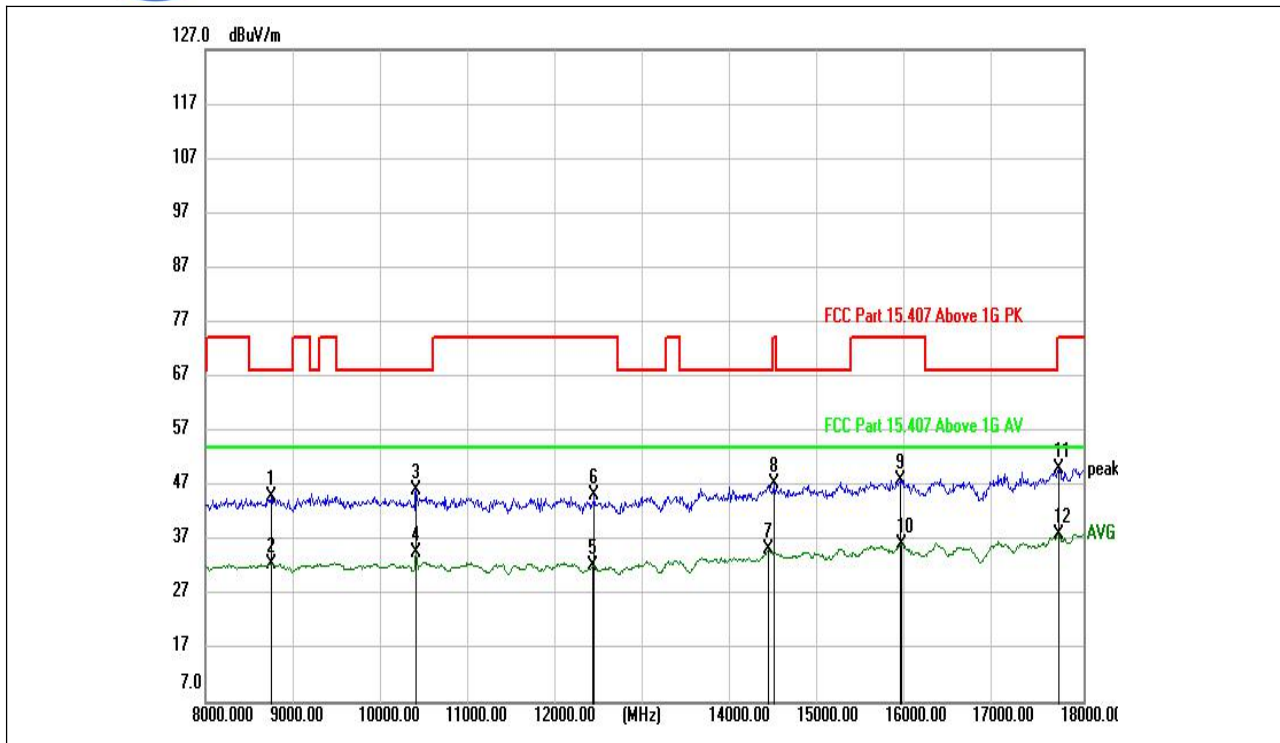
(802.11ac _5200MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
58.8185	19.92	---	40.00	16.08	H	15.4
101.2885	35.91	---	43.50	21.73	H	15.1
200.6881	34.90	---	43.50	18.01	H	16.4
375.9385	33.25	---	46.00	18.95	H	18.7
480.5276	40.10	---	46.00	14.90	H	25.3
625.0780	34.56	---	46.00	12.49	H	28.4



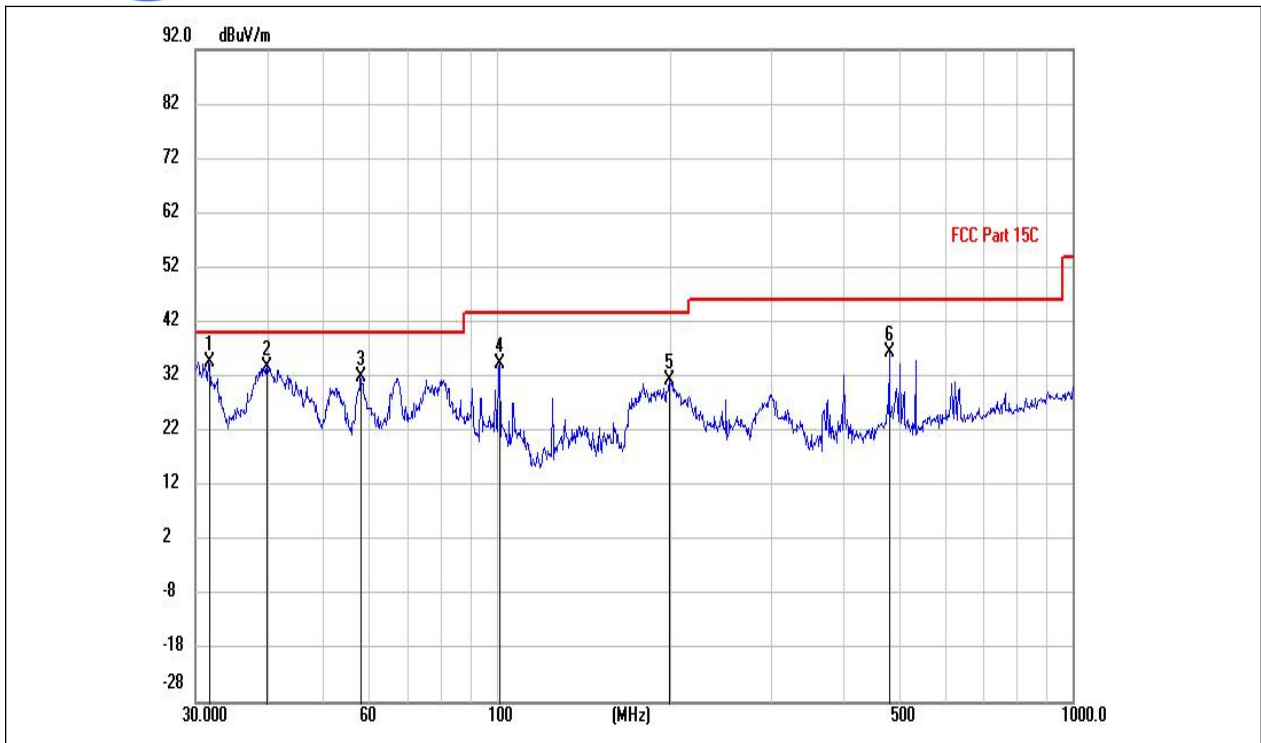
(802.11ac_5200MHz, Antenna Horizontal, 1GHz to 8GHz)

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1595.000	35.47	---	74.00	38.53	H	-14.54
1595.000	---	23.63	54.00	30.37	H	-14.54
3184.000	39.49	---	68.20	28.71	H	-7.79
3205.000	---	27.52	54.00	26.48	H	-7.70
4262.000	42.85	---	74.00	31.15	H	-4.32
4311.000	---	30.17	54.00	23.83	H	-3.54
5459.000	43.02	---	74.00	30.98	H	-2.71
5536.000	---	30.58	54.00	23.42	H	-2.62
6404.000	---	31.06	54.00	22.94	H	-1.82
6453.000	42.83	---	68.20	25.37	H	-2.16
7230.000	42.91	---	68.20	25.29	H	-0.56
7237.000	---	30.72	54.00	23.28	H	-0.55



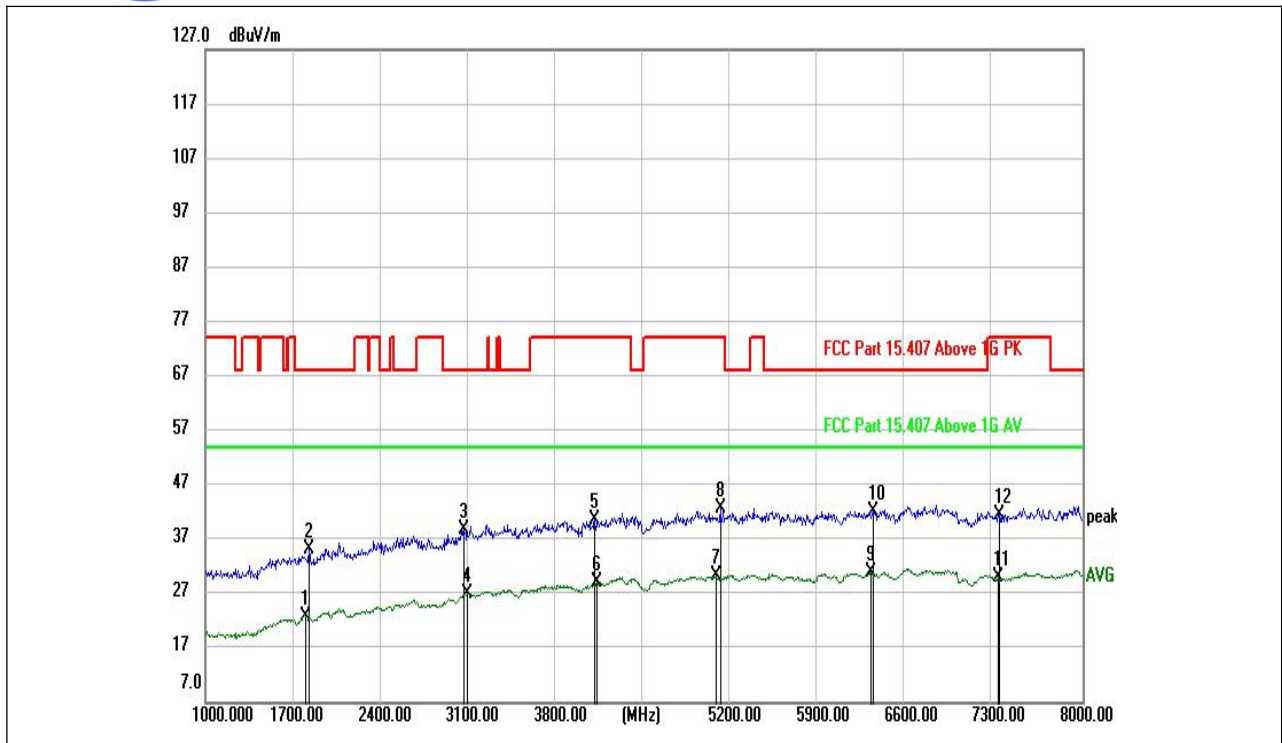
(802.11ac_5200MHz, Antenna Horizontal, 8GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
8750.000	44.94	---	68.20	23.26	H	1.66
8750.000	---	32.51	54.00	21.49	H	1.66
10400.000	46.17	---	68.20	22.03	H	2.38
10400.000	---	34.69	54.00	19.31	H	2.38
12410.000	---	32.29	54.00	21.71	H	4.41
12430.000	45.15	---	74.00	28.85	H	4.62
14410.000	---	35.11	54.00	18.89	H	8.84
14480.000	47.22	---	74.00	26.78	H	8.06
15920.000	47.83	---	74.00	26.17	H	11.26
15930.000	---	36.13	54.00	17.87	H	11.32
17720.000	49.97	---	74.00	24.03	H	14.57
17720.000	---	37.98	54.00	16.02	H	14.57



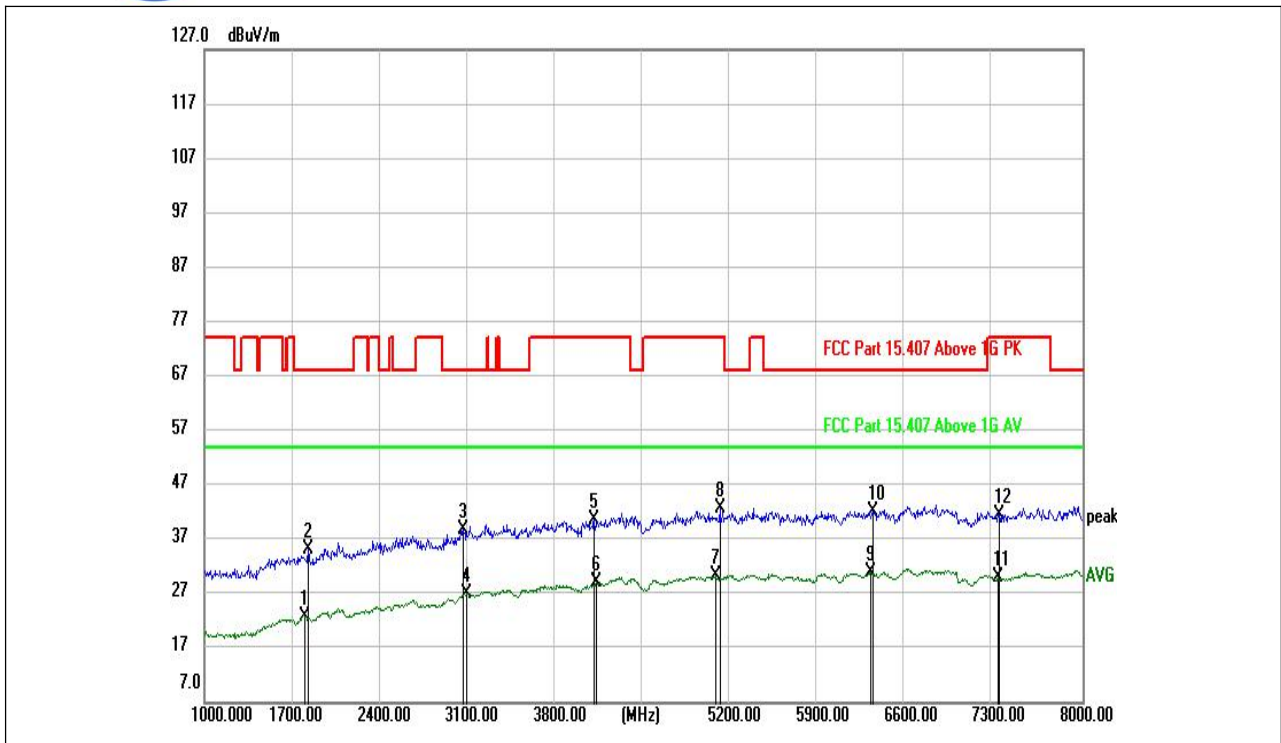
(802.11ac _5200MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
31.6202	34.68	---	40.00	5.32	V	12.09
39.9942	33.67	---	40.00	6.33	V	15.69
57.9993	31.96	---	40.00	8.04	V	14.27
101.2885	34.12	---	43.50	9.38	V	14.92
199.2855	31.36	---	43.50	12.14	V	14.25
480.5276	36.40	---	46.00	9.60	V	21.47



(802.11ac_5200MHz, Antenna Vertical , 1GHz to 8GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1140.239005	31.59	---	74.00	42.41	V	-17.6
1140.239005	---	18.67	54.00	35.33	V	-17.6
1615.384073	---	21.27	54.00	32.73	V	-14.7
1615.384073	34.48	---	74.00	39.52	V	-14.7
2126.058803	45.33	---	68.20	22.87	V	-12.8
2126.058803	---	23.25	54.00	30.75	V	-12.8
3480.037084	48.42	---	68.20	19.78	V	-7.6
3480.037084	---	45.35	54.00	8.65	V	-7.6
4914.081826	43.97	---	74.00	30.03	V	-2.9
4914.081826	---	30.91	54.00	23.09	V	-2.9
5713.625401	---	35.66	54.00	18.34	V	-2.9
5713.625401	48.12	---	68.20	20.08	V	-2.9

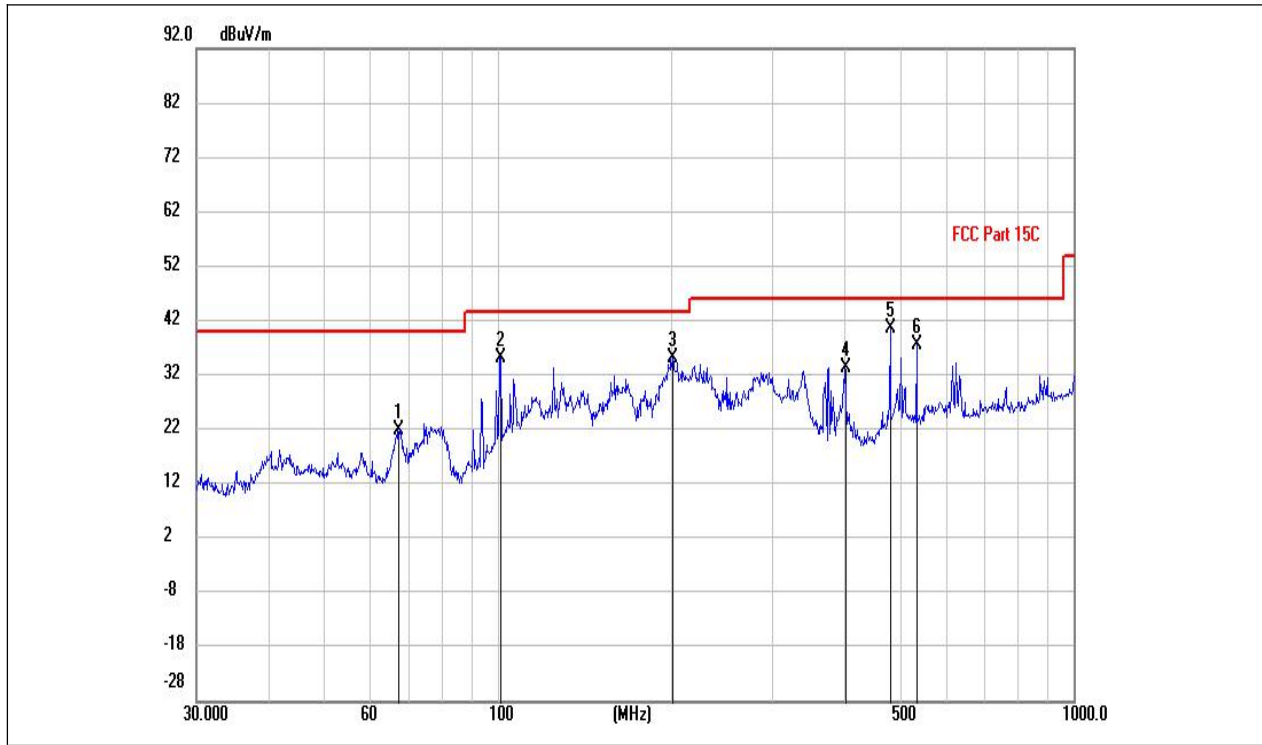


(802.11a_5200MHz, Antenna Vertical, 8GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1805.000	---	22.97	54.00	31.03	V	-13.99
1826.000	35.20	---	68.20	33.00	V	-13.98
3065.000	38.71	---	68.20	29.49	V	-7.94
3093.000	---	27.04	54.00	26.96	V	-7.88
4108.000	40.49	---	74.00	33.51	V	-5.31
4122.000	---	29.07	54.00	24.93	V	-5.14
5074.000	---	30.22	54.00	23.78	V	-2.77
5109.000	42.75	---	74.00	31.25	V	-2.85
6313.000	---	31.01	54.00	22.99	V	-1.71
6334.000	42.18	---	68.20	26.02	V	-1.91
7328.000	---	29.98	54.00	24.02	V	-0.65
7335.000	41.64	---	74.00	32.36	V	-0.61

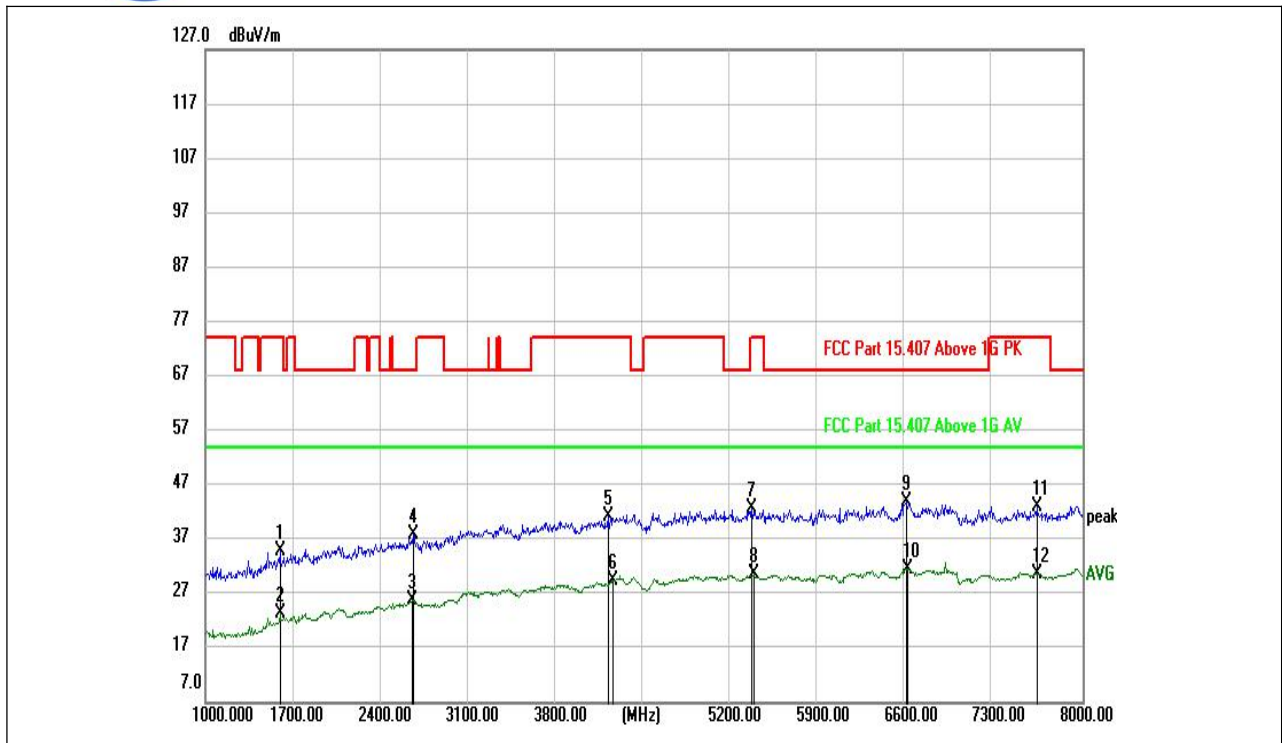


Plot for Channel = 48



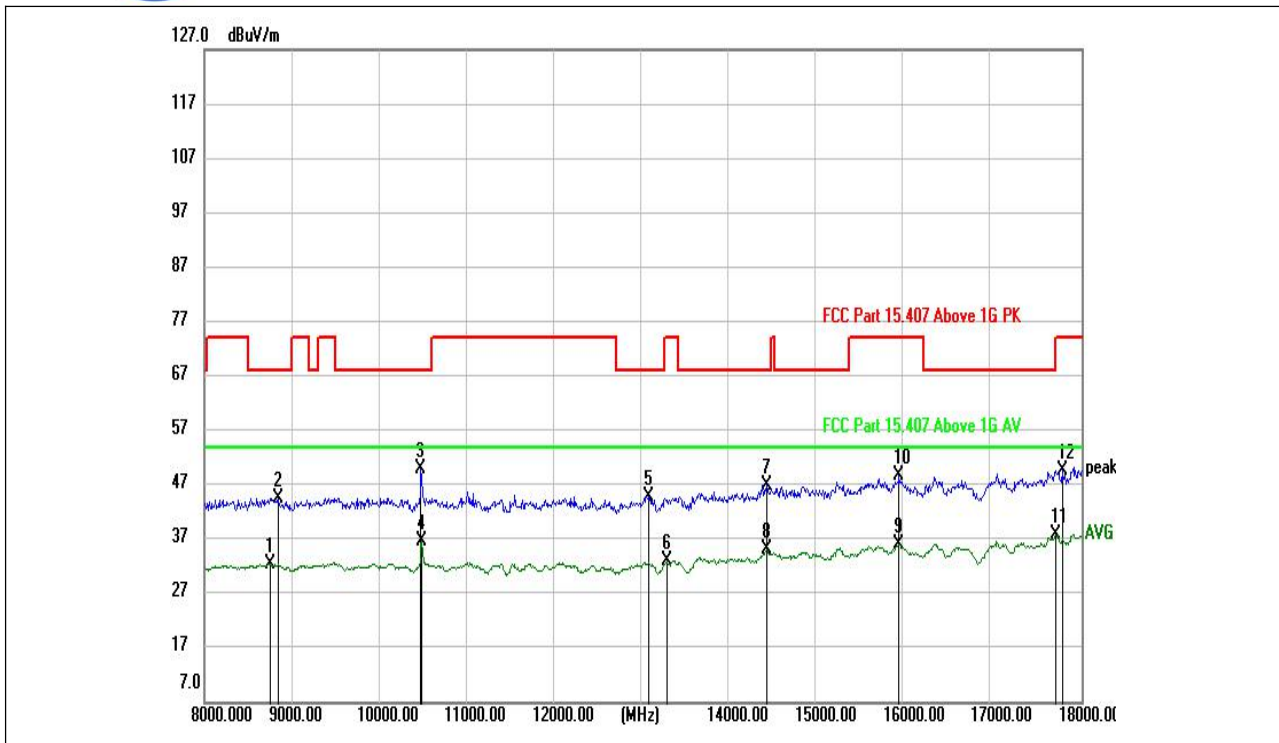
(802.11ac _5240MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
67.2022	21.92	---	67.2022	18.08	H	12.67
101.2885	35.15	---	101.2885	8.35	H	14.92
201.3930	35.19	---	201.3930	8.31	H	14.05
400.4319	33.34	---	400.4319	12.66	H	19.66
480.5276	40.46	---	480.5276	5.54	H	17.62
533.8321	37.72	---	533.8321	8.28	H	18.24



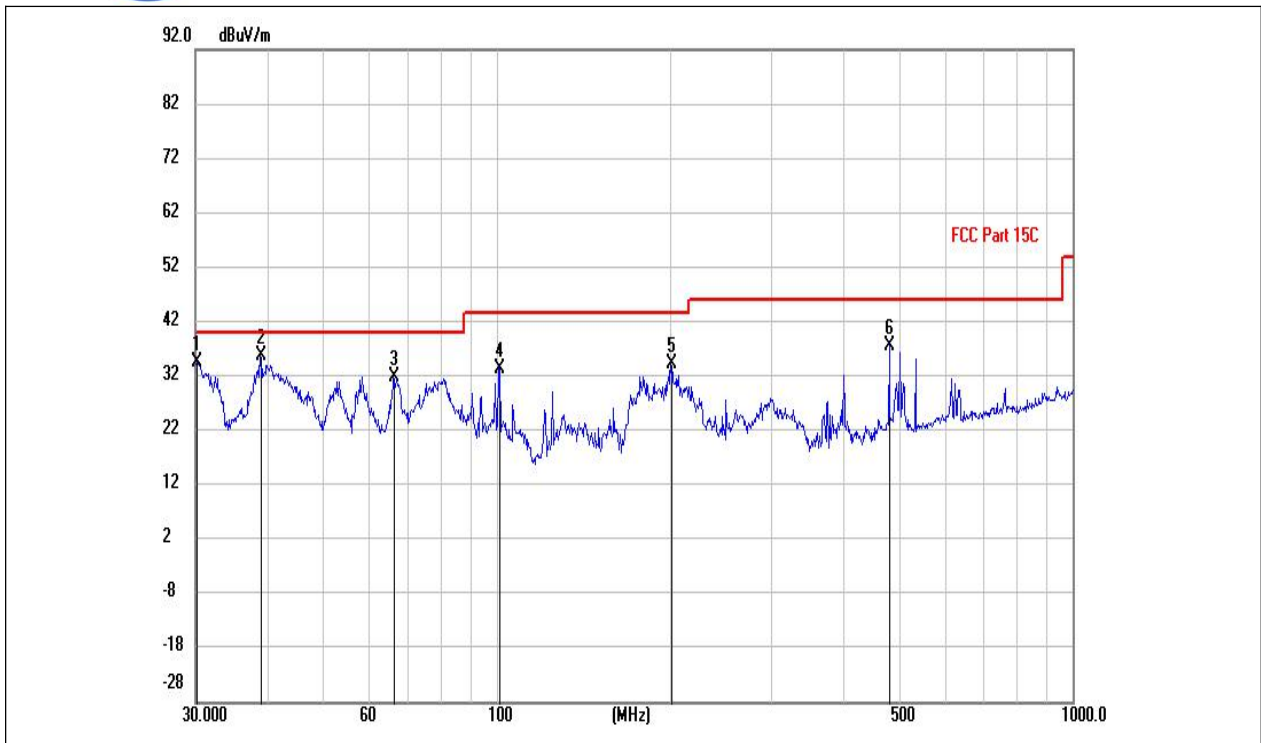
(802.11ac_5240MHz, Antenna Horizontal, 1GHz to 8GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1595.000	34.81	---	74.00	39.19	H	1595.000
1595.000	---	23.44	54.00	30.56	H	1595.000
2652.000	---	25.74	54.00	28.26	H	2652.000
2659.000	37.81	---	68.20	30.39	H	2659.000
4213.000	41.30	---	74.00	32.70	H	4213.000
4255.000	---	29.58	54.00	24.42	H	4255.000
5361.000	42.87	---	74.00	31.13	H	5361.000
5375.000	---	30.52	54.00	23.48	H	5375.000
6593.000	43.99	---	68.20	24.21	H	6593.000
6607.000	---	31.68	54.00	22.32	H	6607.000
7636.000	42.94	---	74.00	31.06	H	7636.000
7636.000	---	30.79	54.00	23.21	H	7636.000



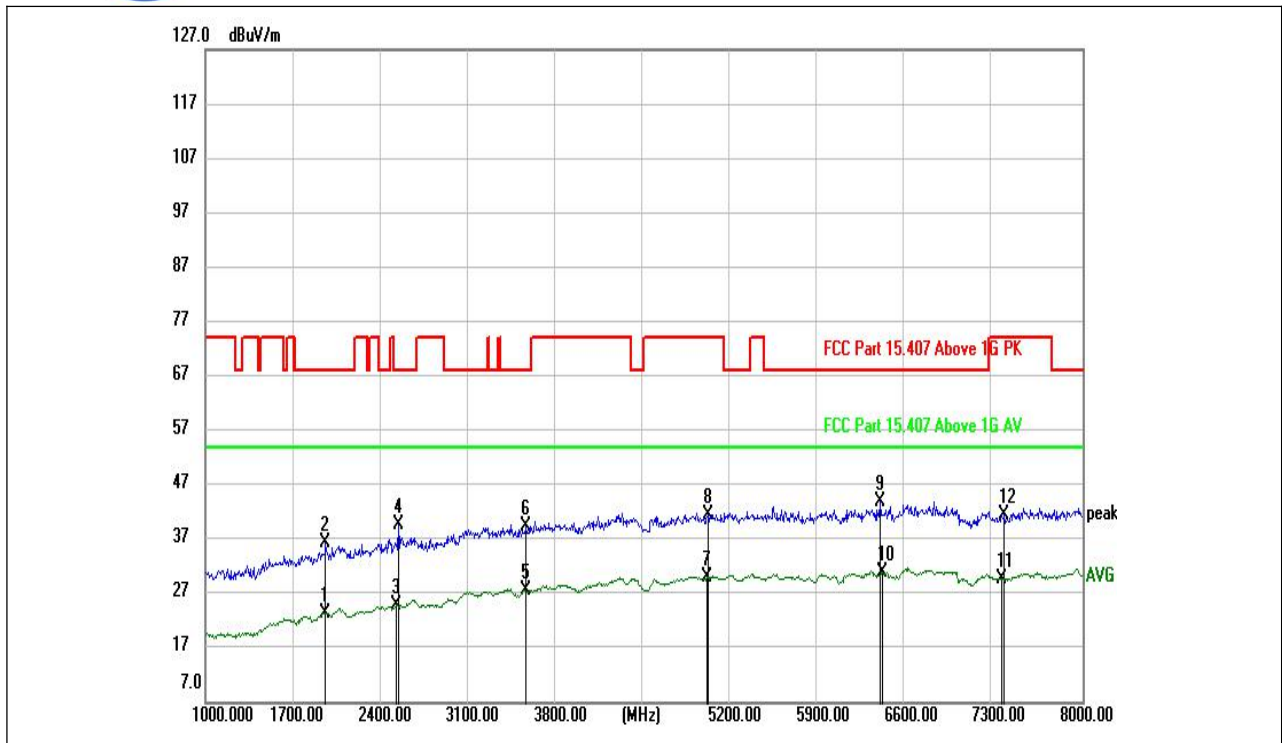
(802.11ac _5240MHz, Antenna Horizontal, 8GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
8750.000	---	32.60	54.00	21.40	H	1.66
8840.000	44.68	---	68.20	23.52	H	2.12
10470.000	49.84	---	68.20	18.36	H	3.02
10480.000	---	36.74	54.00	17.26	H	3.07
13070.000	44.75	---	68.20	23.45	H	6.26
13270.000	---	33.07	54.00	20.93	H	5.89
14410.000	47.02	---	68.20	21.18	H	8.84
14410.000	---	35.06	54.00	18.94	H	8.84
15910.000	---	36.18	54.00	17.82	H	11.18
15920.000	48.62	---	74.00	25.38	H	11.26
17700.000	---	37.91	54.00	16.09	H	14.37
17780.000	49.77	---	74.00	24.23	H	14.58



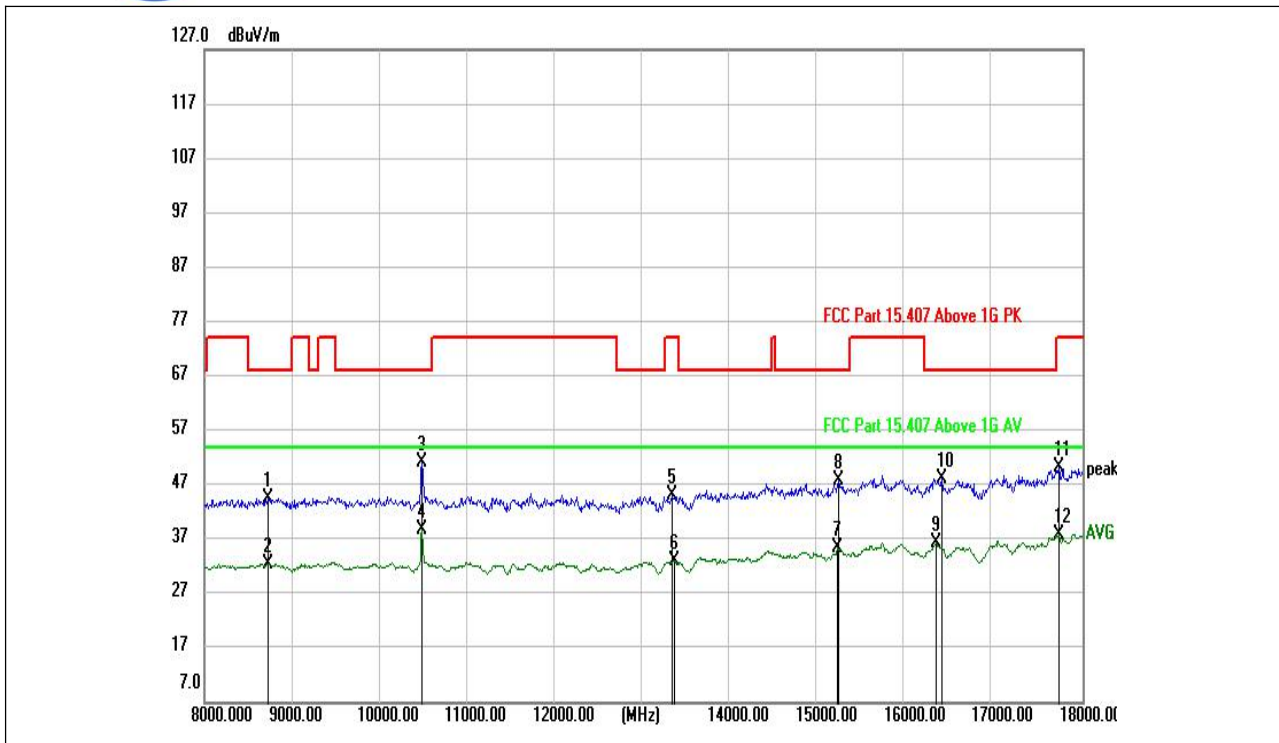
(802.11ac_5240MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
30.2111	34.71	---	40.00	5.29	V	13.52
38.8879	35.65	---	40.00	4.35	V	14.17
66.2662	31.74	---	40.00	8.26	V	12.99
101.2885	33.41	---	43.50	10.09	V	14.92
200.6881	34.39	---	43.50	9.11	V	14.20
480.5276	37.49	---	46.00	8.51	V	21.47



(802.11ac_5240MHz, Antenna Vertical, 1GHz to 8GHz)

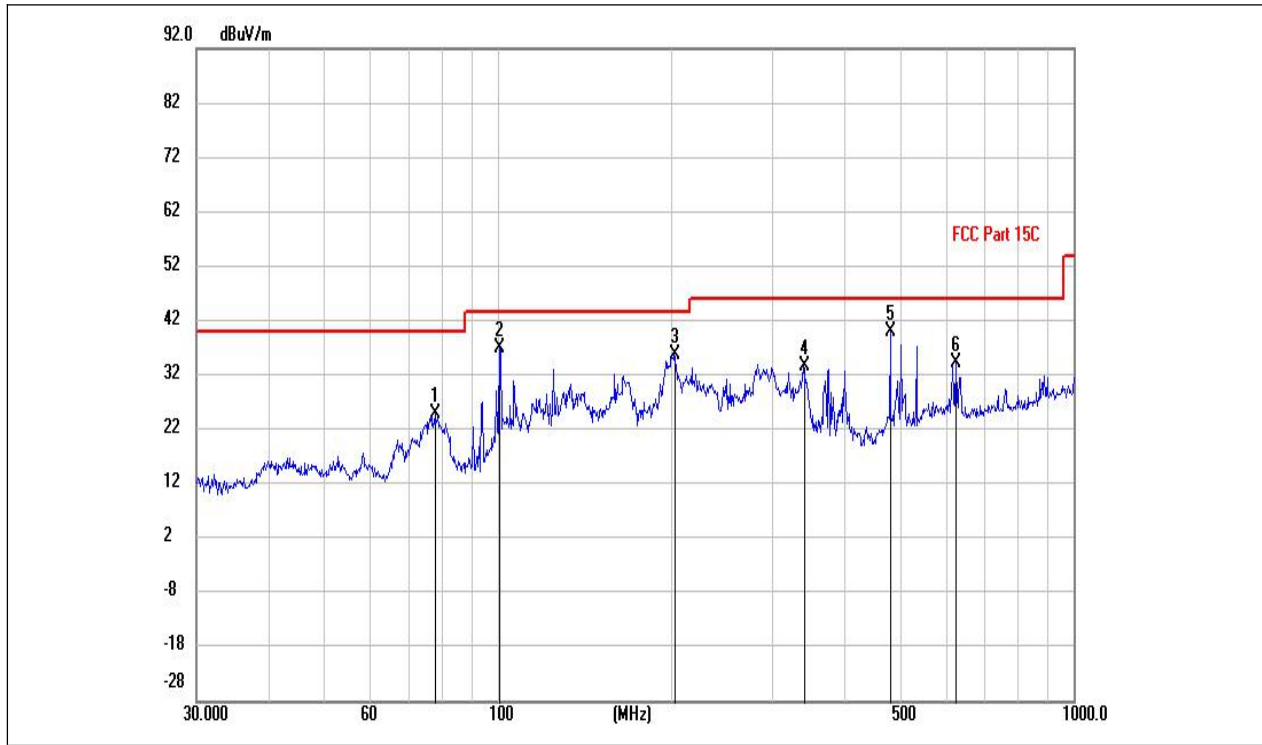
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
1952.000	---	23.49	54.00	30.51	V	-12.92
1959.000	36.40	---	68.20	31.80	V	-12.84
2519.000	---	25.08	54.00	28.92	V	-10.41
2540.000	39.78	---	68.20	28.42	V	-10.68
3555.000	---	27	54.00	26.32	V	-6.81
3562.000	39.27	---	68.20	28.93	V	-6.74
5004.000	---	30.06	54.00	23.94	V	-2.72
5011.000	41.56	---	74.00	32.44	V	-2.70
6383.000	---	43.95	68.20	24.25	V	-1.90
6404.000	---	30.96	54.00	23.04	V	-1.77
7356.000	---	29.91	54.00	24.09	V	-0.52
7377.000	41.46	---	74.00	32.54	V	-0.63



(802.11ac_5240MHz, Antenna Vertical, 8GHz to 18GHz)

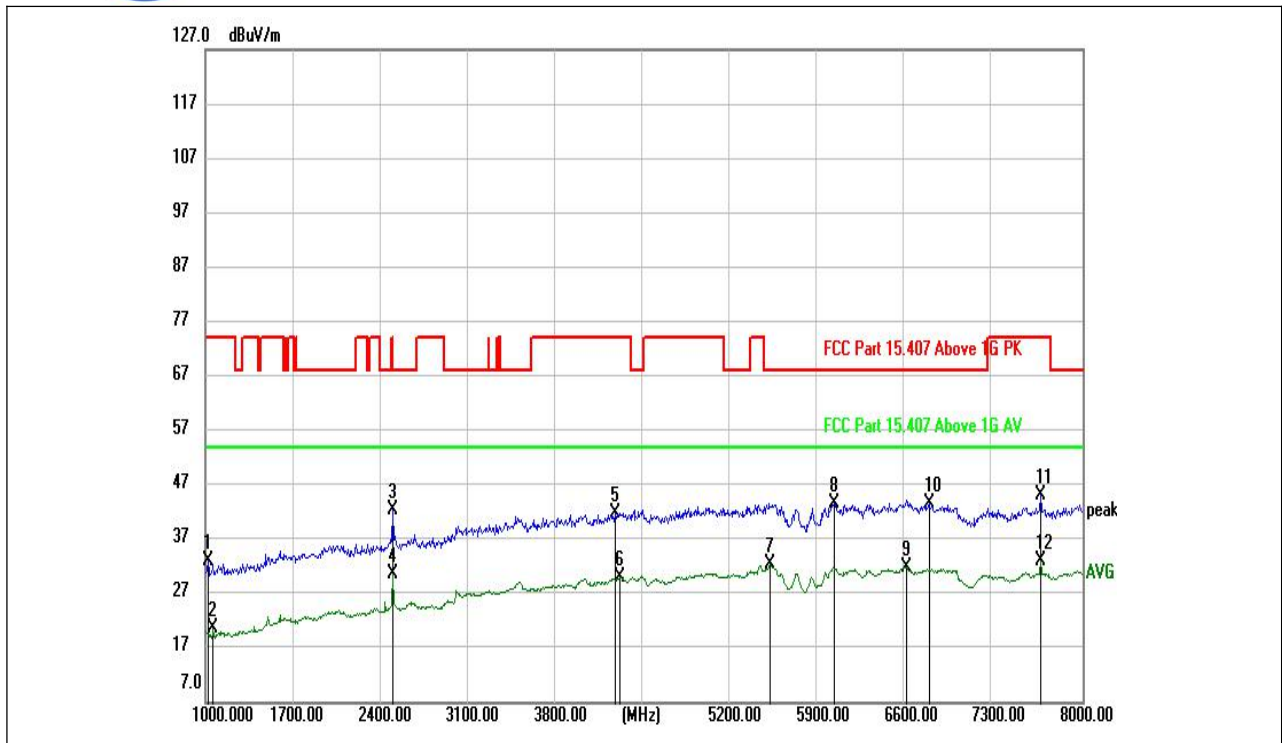
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
8720.000	44.51	---	68.20	23.69	V	1.68
8730.000	---	32.62	54.00	21.38	V	1.69
10480.000	51.09	---	68.20	17.11	V	3.71
10480.000	---	38.74	54.00	15.26	V	3.71
13330.000	45.11	---	74.00	28.89	V	6.27
13350.000	---	33.03	54.00	20.97	V	6.53
15210.000	---	35.49	54.00	18.51	V	10.03
15220.000	47.85	---	68.20	20.35	V	10.02
16330.000	---	36.29	54.00	17.71	V	11.33
16400.000	48.19	---	68.20	20.01	V	11.27
17730.000	50.35	---	74.00	23.65	V	14.66
17730.000	---	37.95	54.00	16.05	V	14.66

Plot for Channel = 149



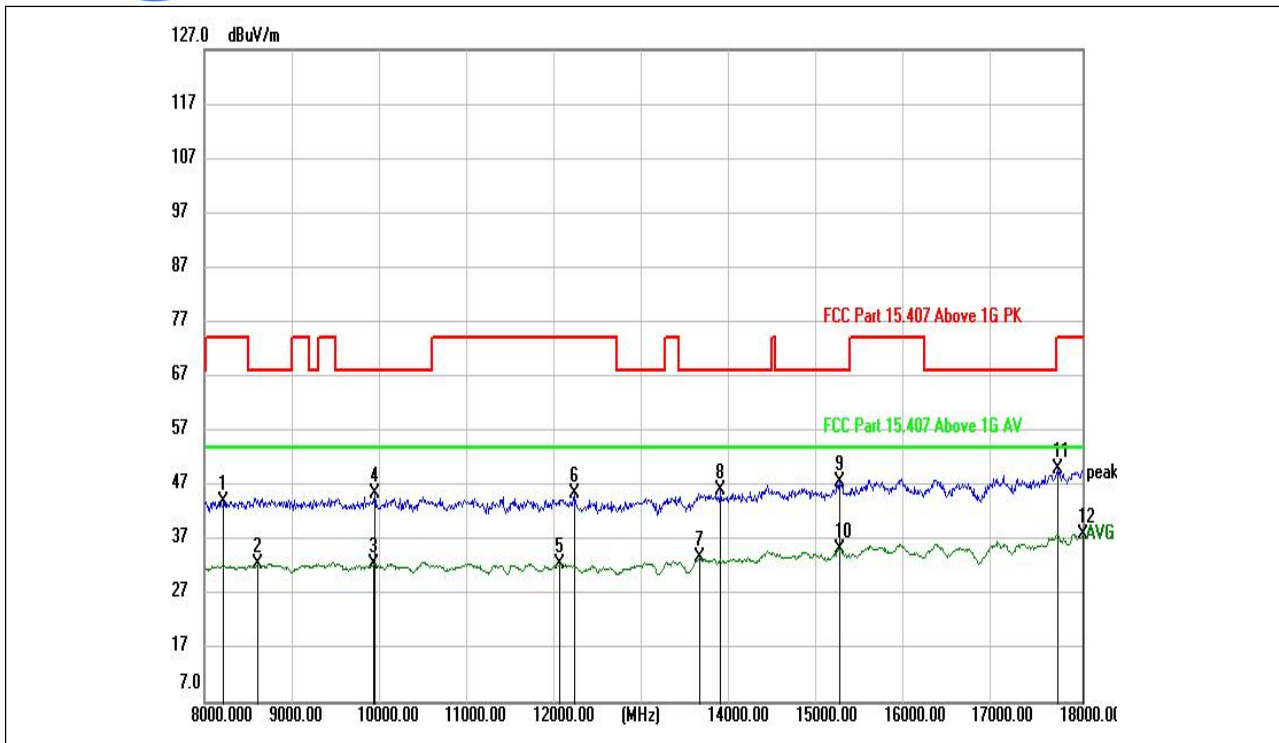
(802.11ac _5745MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
77.8654	24.95	---	40.00	15.05	H	9.50
100.9339	36.93	---	43.50	6.57	H	15.00
202.8104	35.82	---	43.50	7.68	H	13.86
339.5888	33.52	---	46.00	12.48	H	18.21
480.5276	40.00	---	46.00	6.00	H	17.62
625.0780	34.28	---	46.00	11.72	H	19.25



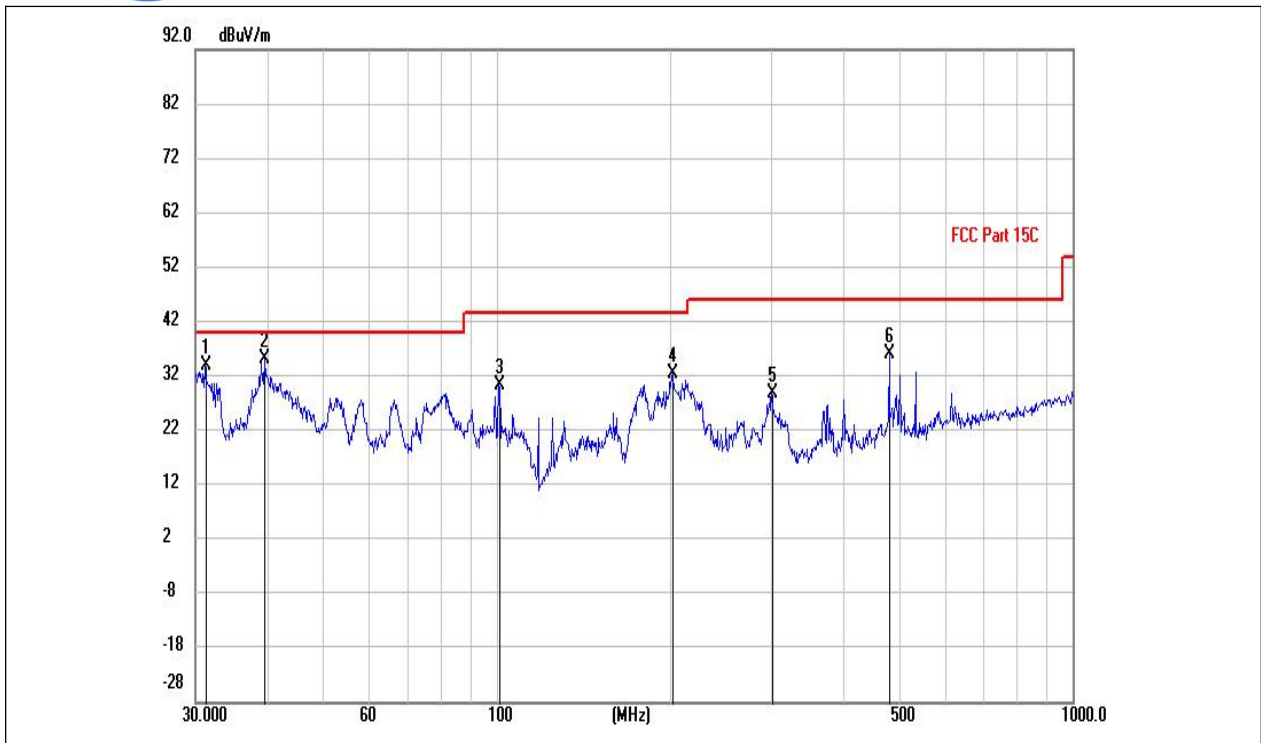
(802.11a _5745MHz, Antenna Horizontal, 1GHz to 8GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1021.000	32.95	---	74.00	41.05	H	-17.5
1063.000	---	20.78	54.00	33.22	H	-17.5
2498.000	42.34	---	74.00	31.66	H	-14.7
2498.000	---	30.80	54.00	23.20	H	-14.7
4269.000	41.89	---	74.00	32.11	H	-11.3
4304.000	---	30.03	54.00	23.97	H	-11.3
5508.000	---	32.44	54.00	21.56	H	-7.9
6019.000	43.52	---	68.20	24.68	H	-7.9
6593.000	---	32.01	54.00	21.99	H	-4.3
6775.000	43.70	---	68.20	24.50	H	-4.3
7664.000	45.15	---	74.00	28.85	H	-3.5
7664.000	---	32.97	54.00	21.03	H	-3.5



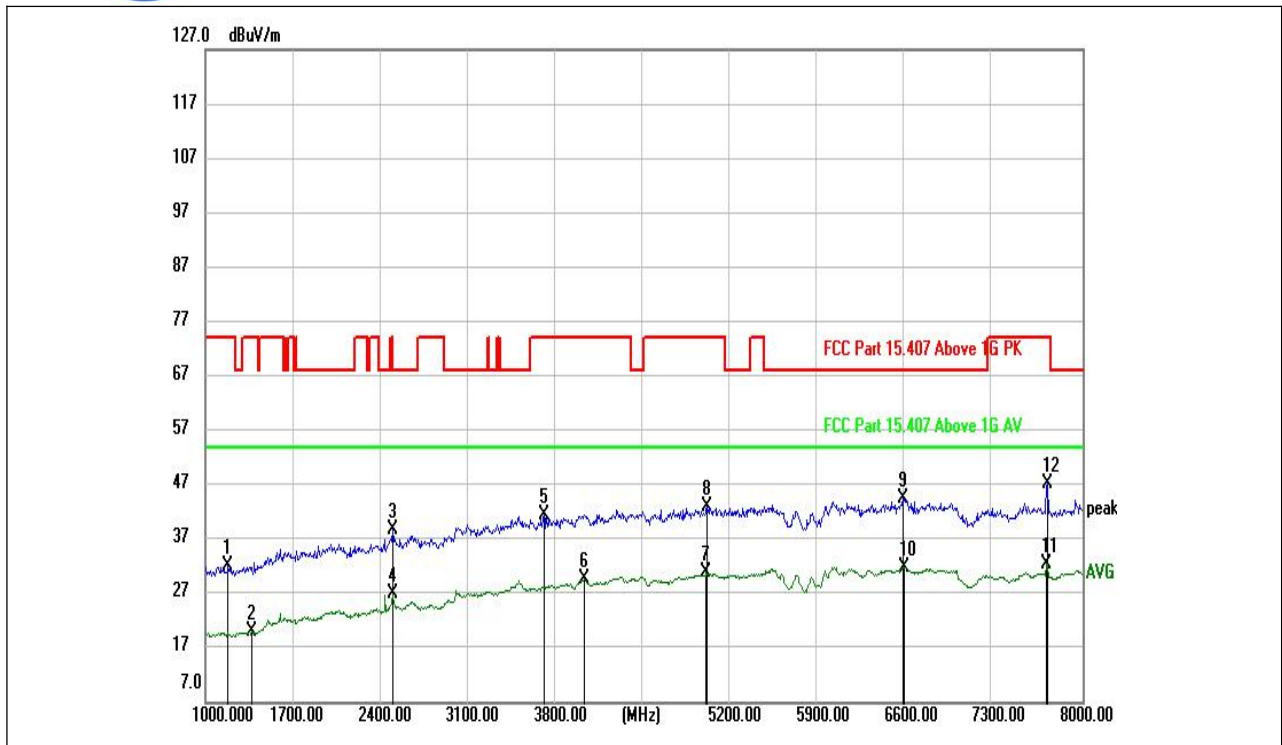
(802.11ac _5745MHz, Antenna Horizontal, 8GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
8220.000	44.07	---	74.00	29.93	H	1.44
8610.000	---	32.40	54.00	21.60	H	1.47
9930.000	---	32.48	54.00	21.52	H	2.26
9940.000	45.39	---	68.20	22.81	H	2.27
12050.000	---	32.56	54.00	21.44	H	4.58
12220.000	45.30	---	74.00	28.70	H	4.11
13640.000	---	33.56	54.00	20.44	H	7.10
13880.000	46.17	---	68.20	22.03	H	7.72
15230.000	47.66	---	68.20	20.54	H	10.02
15240.000	---	35.33	54.00	18.67	H	10.02
17720.000	49.91	---	74.00	24.09	H	14.57
18000.000	---	37.89	54.00	16.11	H	15.00



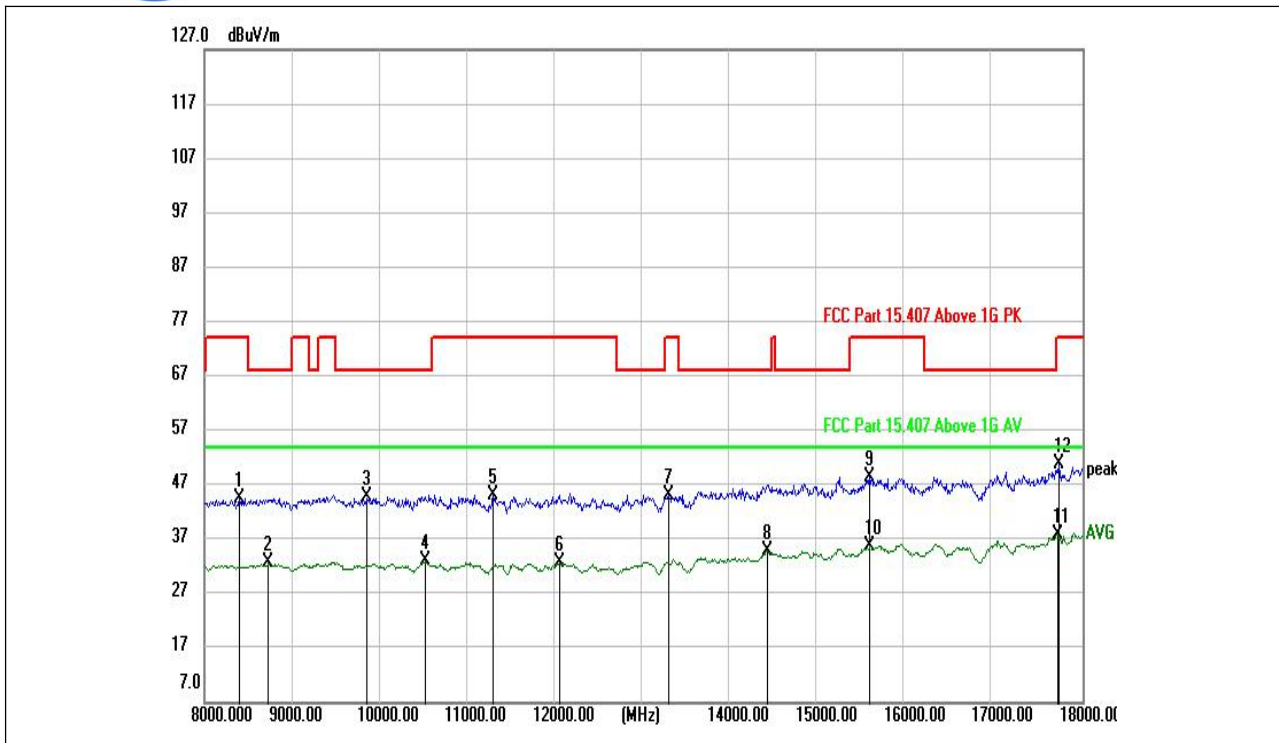
(802.11ac_5745MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB/m)
31.1798	34.02	---	40.00	5.98	V	12.06
39.5757	35.07	---	40.00	4.93	V	15.06
100.9340	30.41	---	43.50	13.09	V	15.00
202.1005	32.52	---	43.50	10.98	V	13.95
300.3673	28.77	---	46.00	17.23	V	17.45
480.5276	36.04	---	46.00	9.96	V	21.47



(802.11a _5745MHz, Antenna Vertical, 1GHz to 8GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1182.000	32.20	---	74.00	41.80	V	-17.80
1371.000	---	20.07	54.00	33.93	V	-17.11
2498.000	38.91	---	74.00	35.09	V	-9.63
2498.000	---	27.04	54.00	26.96	V	-9.63
3702.000	41.54	---	74.00	32.46	V	-6.03
4024.000	---	29.66	54.00	24.34	V	-4.16
4997.000	---	30.86	54.00	23.14	V	-2.72
5004.000	43.01	---	74.00	30.99	V	-2.72
6565.000	44.58	---	68.20	23.62	V	-1.05
6579.000	---	31.95	54.00	22.05	V	-0.89
7713.000	---	32.53	54.00	21.47	V	-0.18
7720.000	47.21	---	74.00	26.79	V	-0.22

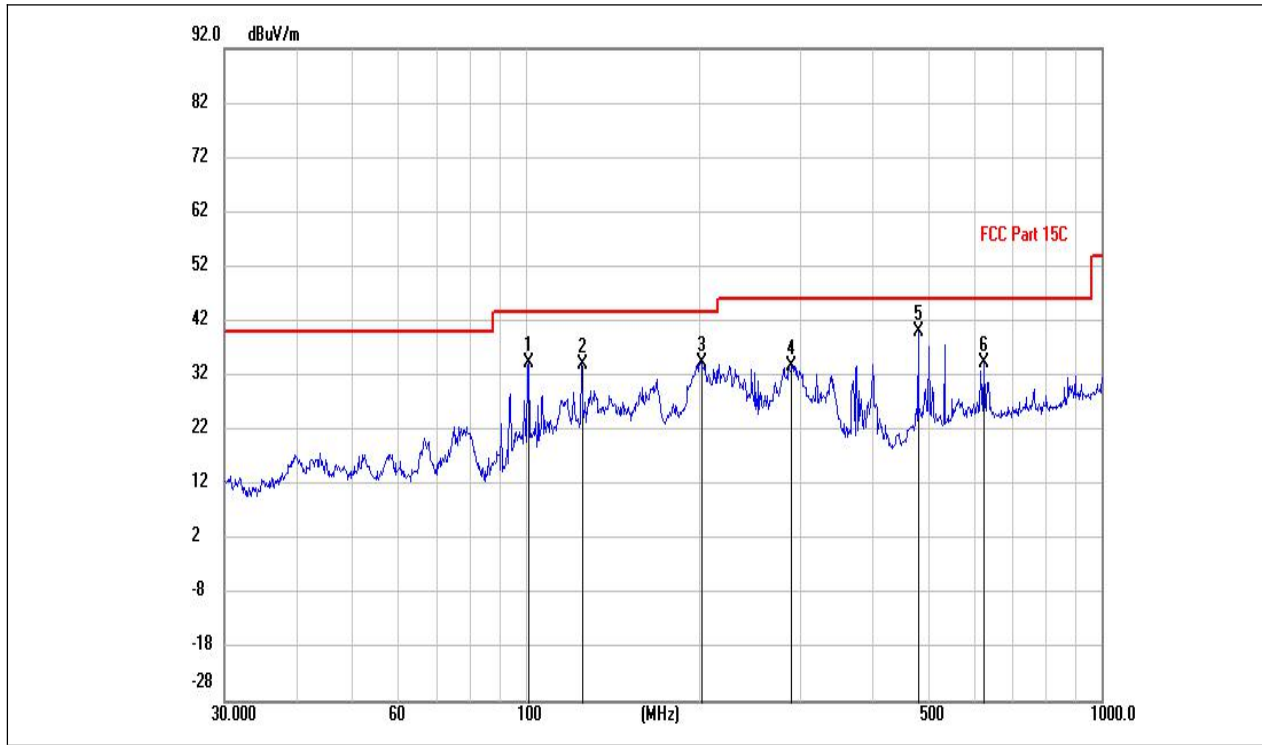


(802.11ac_5745MHz, Antenna Vertical, 8GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
8400.000	44.57	---	74.00	29.43	V	1.20
8730.000	---	32.75	54.00	21.25	V	1.69
9850.000	44.69	39.75	68.20	23.51	V	2.27
10510.000	47.70	33.04	54.00	20.96	V	3.87
11290.000	45.02	---	74.00	28.98	V	3.62
12050.000	---	32.71	54.00	21.29	V	5.10
13290.000	45.18	35.63	74.00	28.82	V	5.86
14410.000	47.85	34.99	54.00	19.01	V	8.96
15570.000	48.48	---	74.00	25.52	V	10.52
15580.000	---	35.83	54.00	18.17	V	10.44
17720.000	50.52	37.87	54.00	16.13	V	14.57
17730.000	50.82	37.76	74.00	23.18	V	14.66

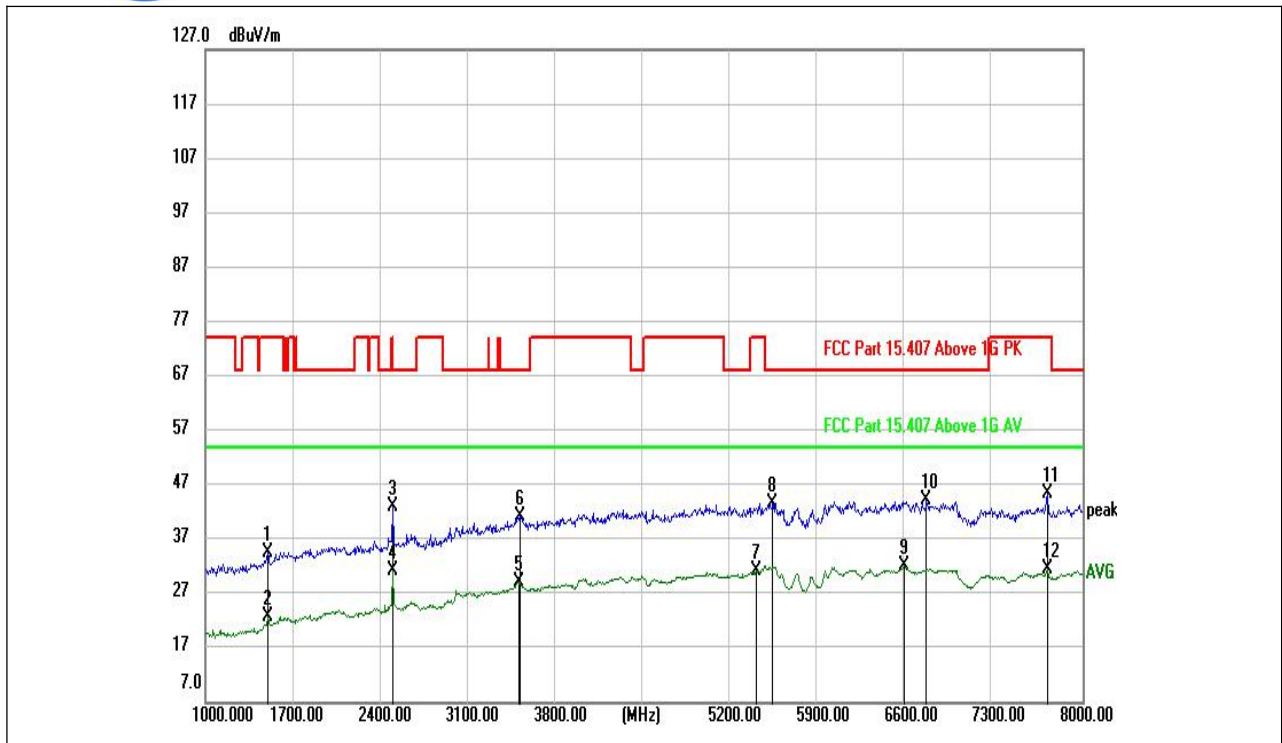


Plot for Channel = 157



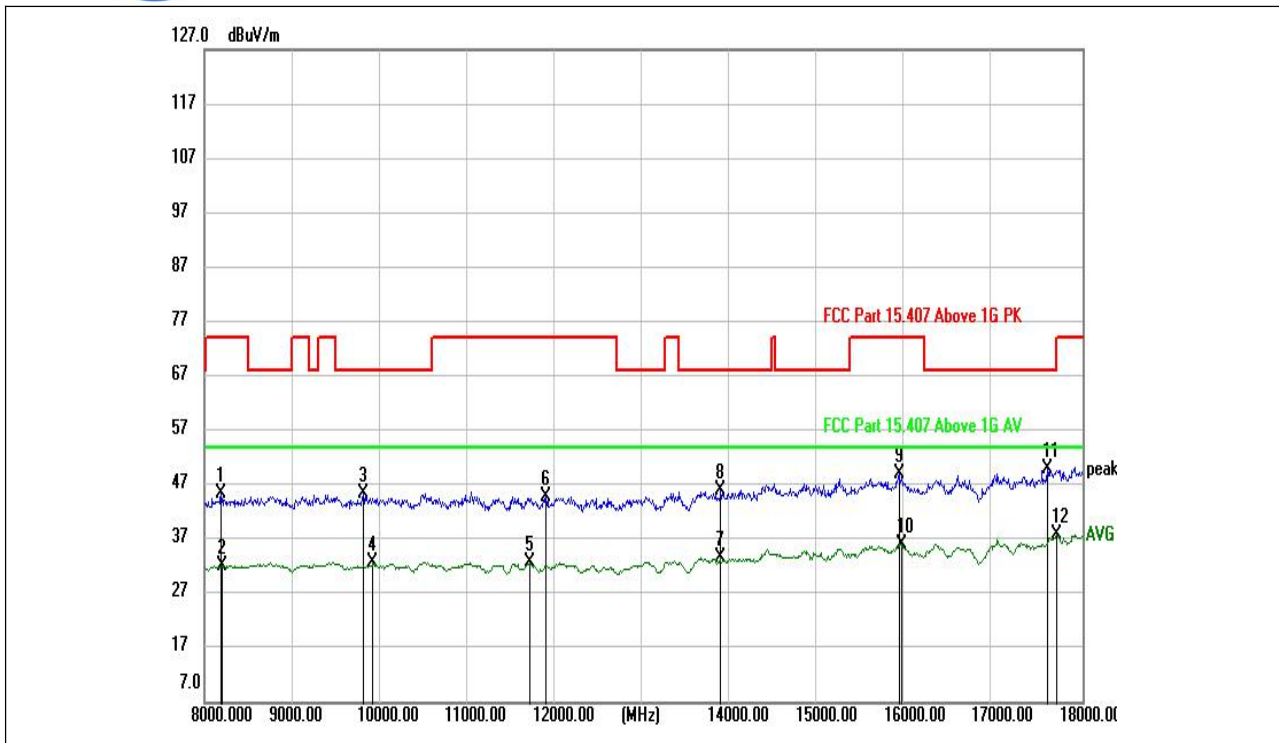
(802.11ac _5785MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
101.2885	34.36	---	43.50	9.14	H	14.92
125.0066	34.07	---	43.50	9.43	H	11.12
202.1005	34.21	---	43.50	9.29	H	13.95
290.0172	33.73	---	46.00	12.27	H	15.79
480.5276	40.10	---	46.00	5.90	H	21.47
625.0780	34.27	---	46.00	11.73	H	23.84



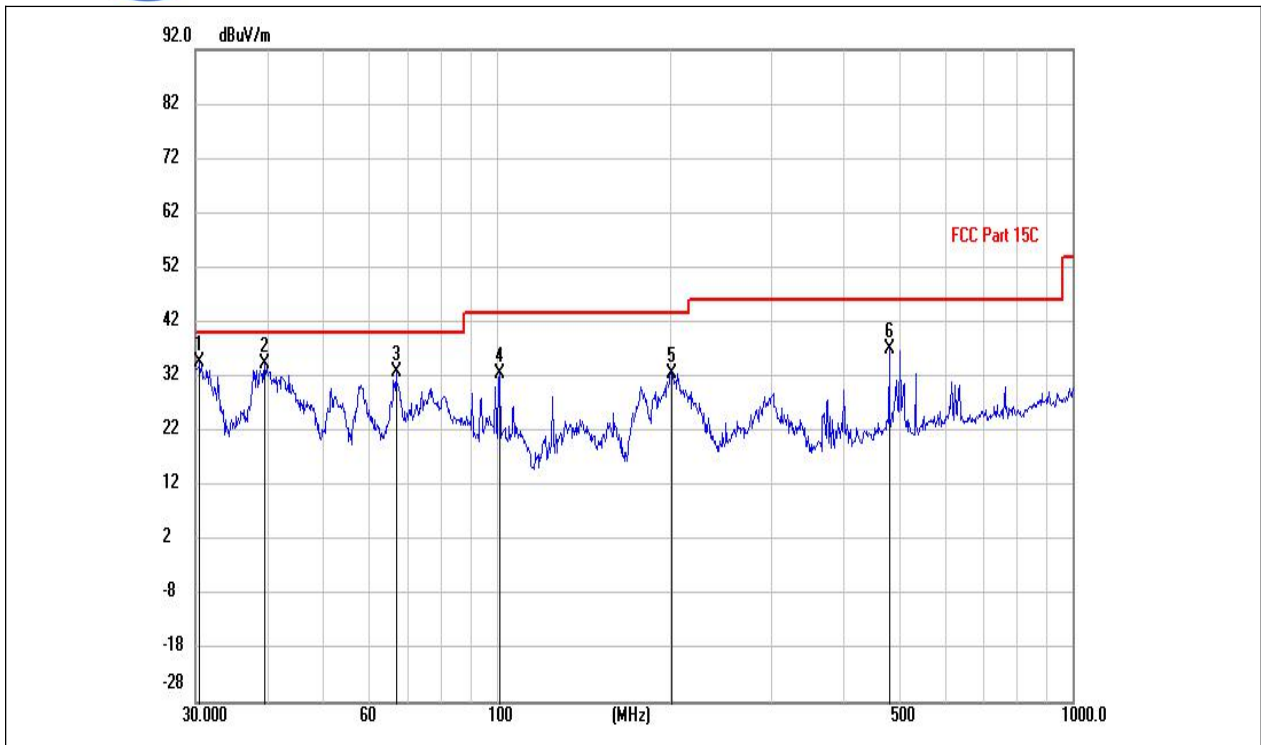
(802.11ac_5785MHz, Antenna Horizontal, 1GHz to 8GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1497.000	34.51	---	74.00	39.49	H	-15.64
1497.000	---	22.84	54.00	31.16	H	-15.64
2498.000	42.99	22.30	74.00	31.01	H	-11.31
2498.000	---	31.25	54.00	22.75	H	-11.31
3506.000	---	29.24	54.00	24.76	H	-7.97
3513.000	41.31	---	68.20	26.89	H	-7.79
5396.000	---	31.31	54.00	22.69	H	-2.68
5529.000	43.53	---	68.20	24.67	H	-2.74
6579.000	---	32.13	54.00	21.87	H	-1.14
6754.000	44.17	---	68.20	24.03	H	-1.42
7720.000	45.57	---	74.00	28.43	H	-0.22
7720.000	---	31.47	54.00	22.53	H	-0.22



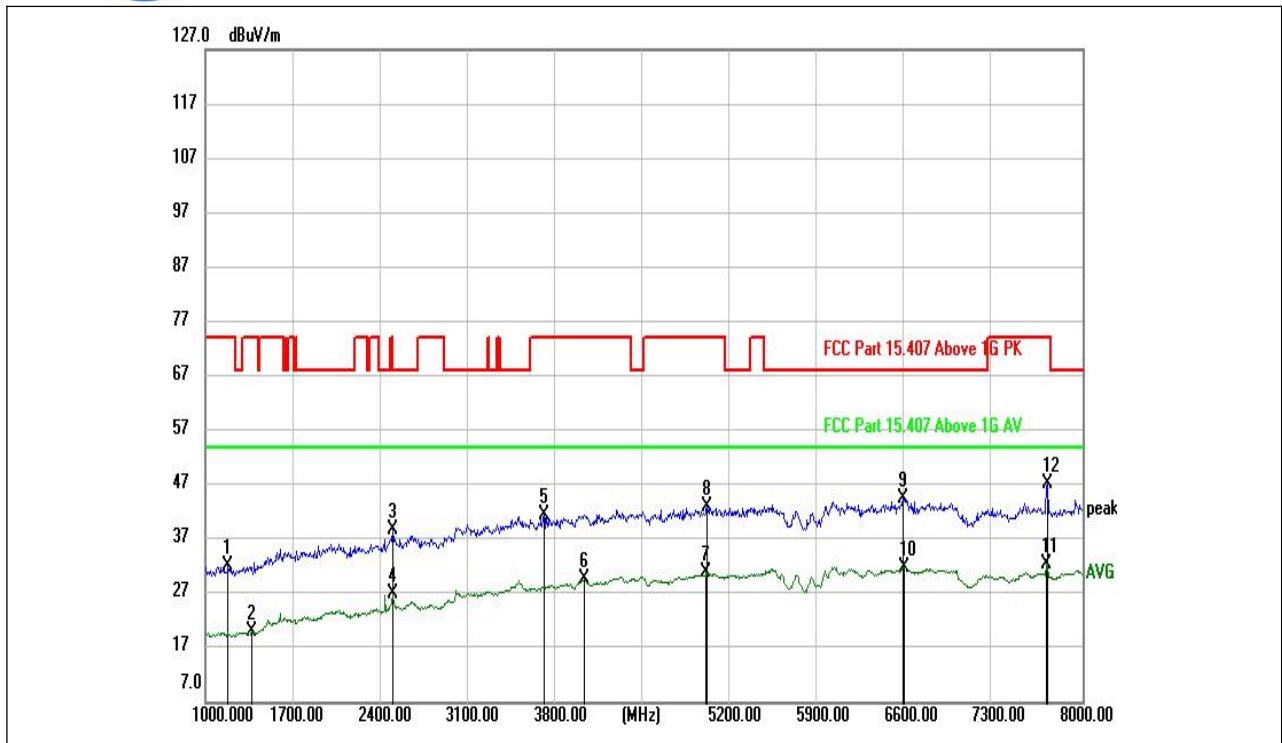
(802.11ac _5785MHz, Antenna Horizontal, 8GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
8190.000	45.37	---	74.00	28.63	H	1.61
8200.000	---	32.25	54.00	21.75	H	1.58
9810.000	45.42	32.19	68.20	22.78	H	1.95
9920.000	44.52	32.63	54.00	21.37	H	2.26
11710.000	---	32.64	54.00	21.36	H	4.00
11890.000	44.74	---	74.00	29.26	H	3.96
13870.000	---	33.57	54.00	20.43	H	7.67
13880.000	46.04	---	68.20	22.16	H	7.72
15910.000	49.05	35.99	74.00	24.95	H	11.18
15940.000	48.40	36.02	54.00	17.98	H	11.40
17600.000	49.92	---	68.20	18.28	H	13.43
17700.000	---	37.96	54.00	16.04	H	14.37



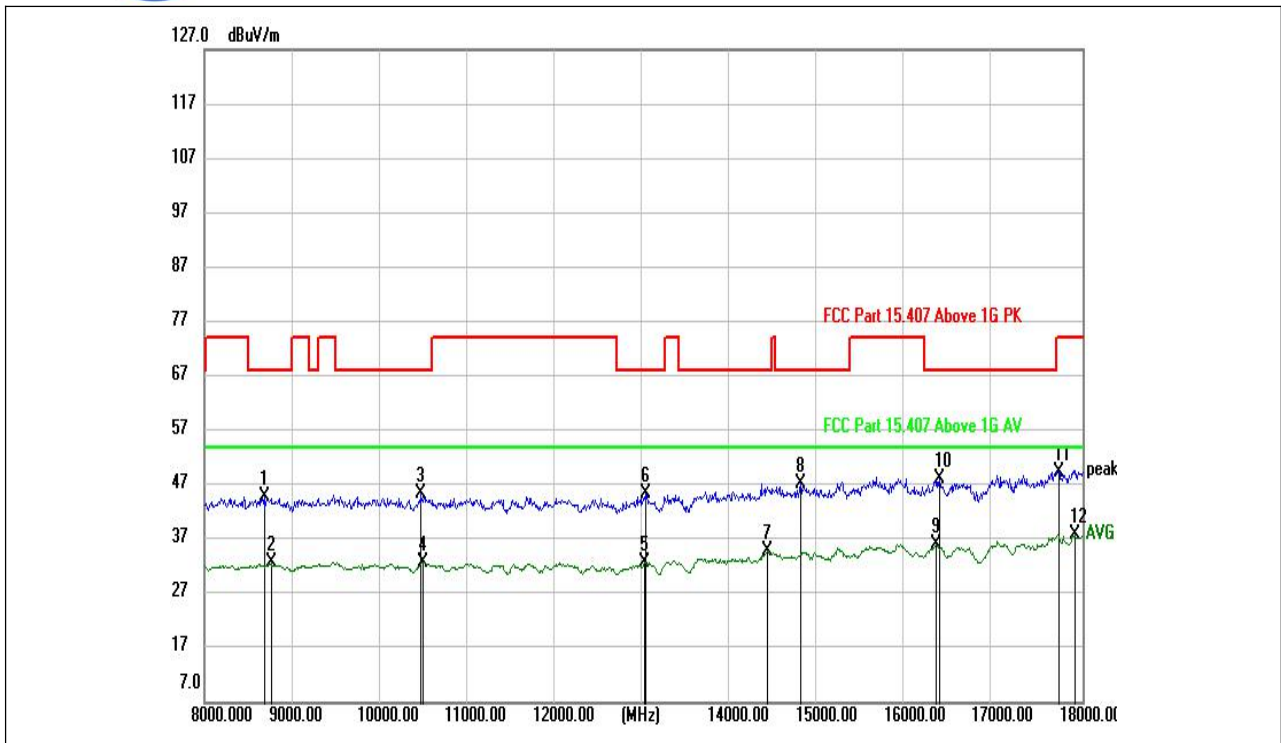
(802.11ac_5785MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
30.5306	34.50	---	40.00	5.50	V	12.9
39.5757	34.36	---	40.00	5.64	V	12.1
66.9669	32.79	---	40.00	7.21	V	14.7
101.2885	32.59	---	43.50	10.91	V	20.7
200.6881	32.58	---	43.50	10.92	V	25.3
480.5276	36.97	---	46.00	9.03	V	28.3



(802.11ac_5785MHz, Antenna Vertical, 1GHz to 8GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1182.000	32.20	---	74.00	41.80	V	-17.80
1371.000	---	20.07	54.00	33.93	V	-17.11
2498.000	38.91	---	74.00	35.09	V	-9.63
2498.000	---	27.04	54.00	26.96	V	-9.63
3702.000	41.54	---	74.00	32.46	V	-6.03
4024.000	---	29.66	54.00	24.34	V	-4.16
4997.000	---	30.86	54.00	23.14	V	-2.72
5004.000	43.01	---	74.00	30.99	V	-2.72
6565.000	44.58	---	68.20	23.62	V	-1.05
6579.000	---	31.95	54.00	22.05	V	-0.89
7713.000	---	32.53	54.00	21.47	V	-0.18
7720.000	47.21	---	74.00	26.79	V	-0.22



(802.11ac_5785MHz, Antenna Vertical, 8GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
9895.294631	---	31.44	54.00	22.56	V	2.2
9895.294631	43.84	---	68.20	24.36	V	2.2
11371.39501	44.07	---	74.00	29.93	V	3.5
11371.39501	---	31.34	54.00	22.66	V	3.5
13420.14765	45.06	---	68.20	23.14	V	6.6
13420.14765	---	33.07	54.00	20.93	V	6.6
14452.10435	46.57	---	68.20	21.63	V	8.4
14452.10435	---	34.02	54.00	19.98	V	8.4
16383.35390	---	36.16	54.00	17.84	V	11.5
16383.35390	48.36	---	68.20	19.84	V	11.5
17645.61675	49.75	---	68.20	18.45	V	13.8
17645.61675	---	37.40	54.00	16.60	V	13.8

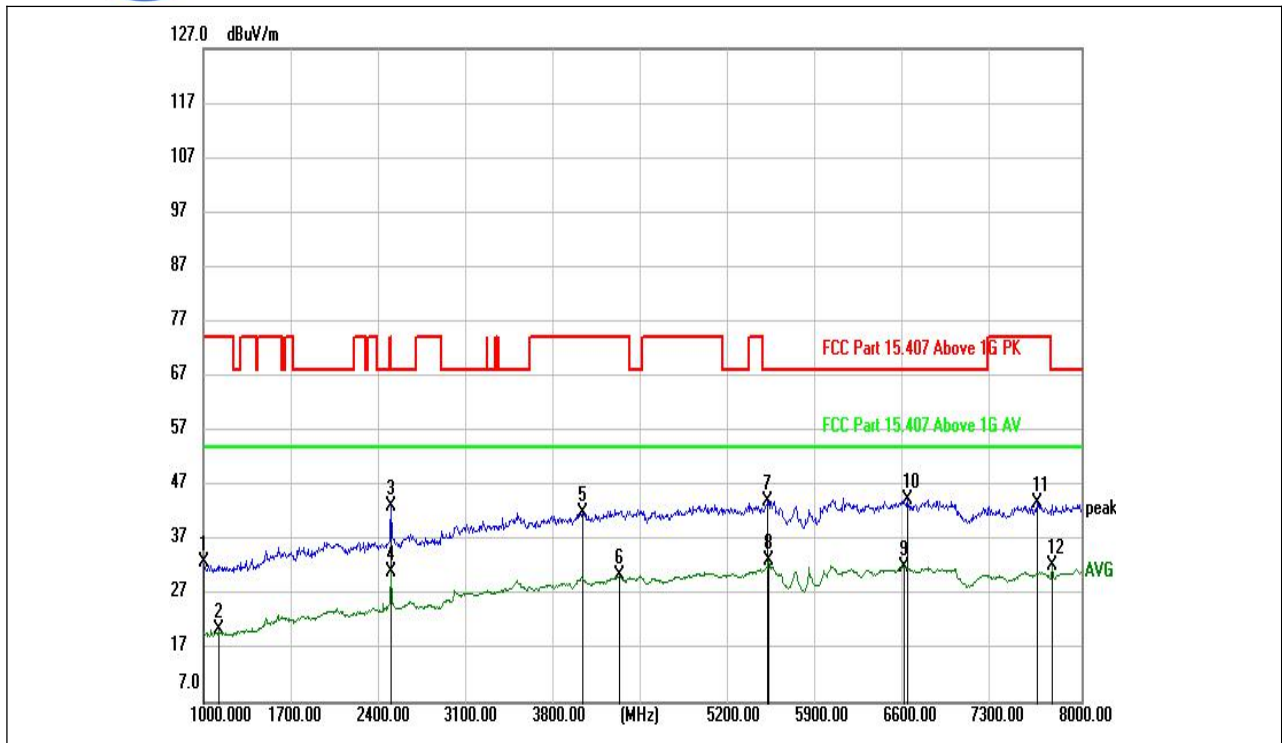


Plot for Channel = 165



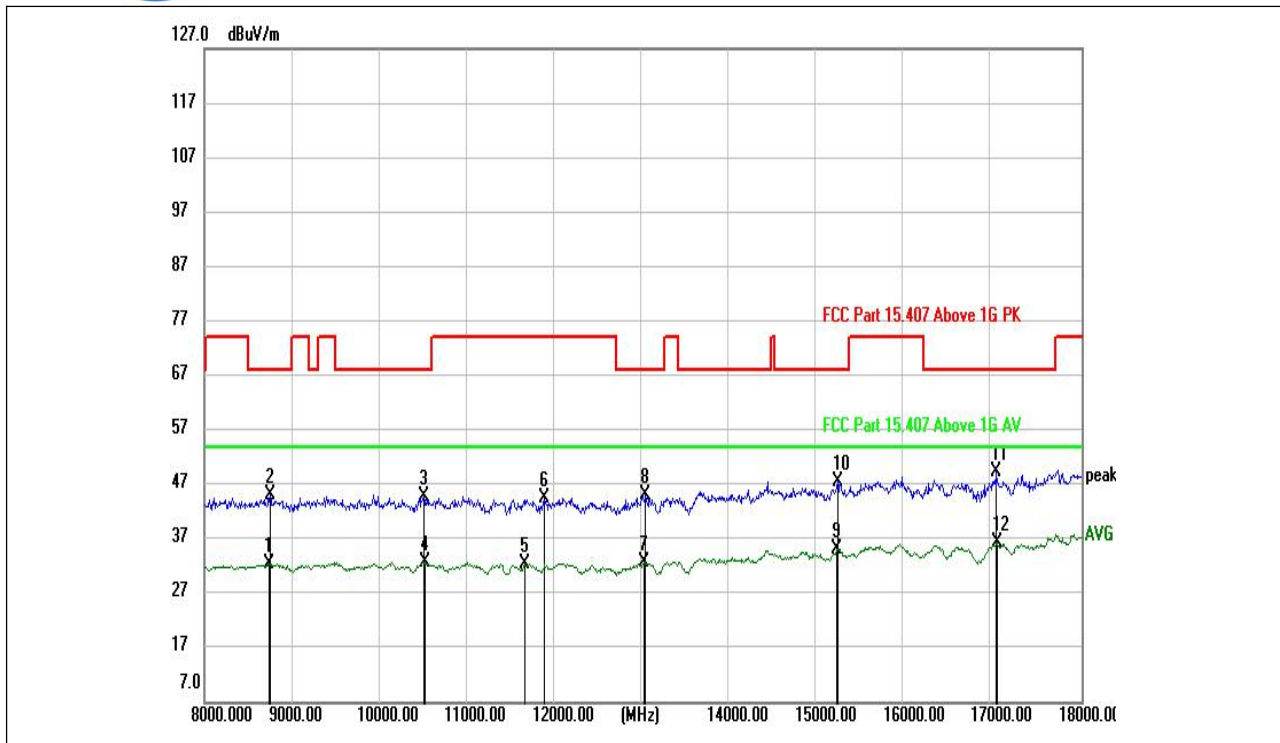
(802.11ac _5825MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
57.7962	17.44	---	40.00	22.56	H	14.33
101.2885	33.53	---	43.50	9.97	H	14.92
200.6881	36.58	---	43.50	6.92	H	14.20
338.4001	32.95	---	46.00	13.05	H	18.02
480.5276	40.64	---	46.00	5.36	H	21.47
533.8321	38.10	---	46.00	7.90	H	22.25



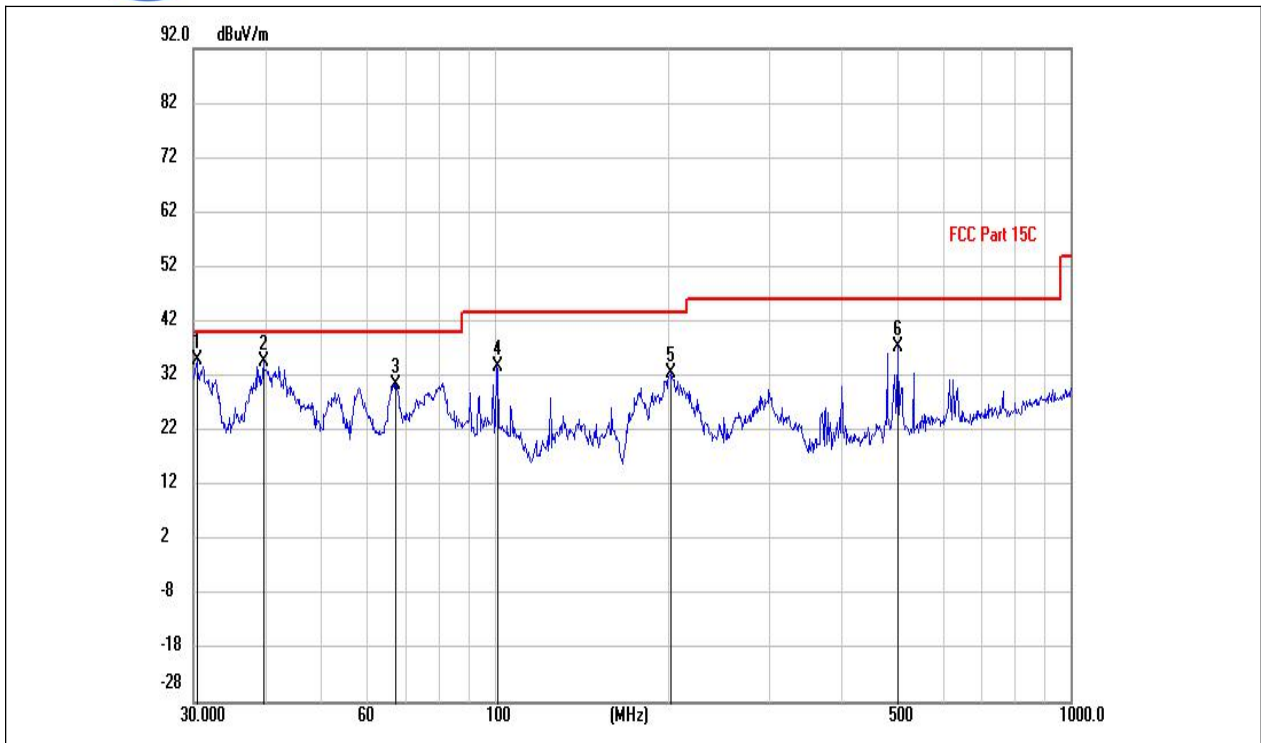
(802.11ac_5825MHz, Antenna Horizontal, 1GHz to 8GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1000.000	32.81	---	74.00	41.19	H	-18.50
1119.000	---	20.50	54.00	33.50	H	-17.62
2498.000	42.91	---	74.00	31.09	H	-11.31
2498.000	---	30.96	54.00	23.04	H	-11.31
4024.000	41.74	---	74.00	32.26	H	-5.56
4318.000	---	30.44	54.00	23.56	H	-3.44
5501.000	43.94	---	68.20	24.26	H	-3.25
5508.000	---	33.14	54.00	20.86	H	-3.12
6586.000	---	32.02	54.00	21.98	H	-0.99
6614.000	44.31	---	68.20	23.89	H	-1.05
7650.000	43.74	---	74.00	30.26	H	0.27
7769.000	---	32.25	54.00	21.75	H	-0.20



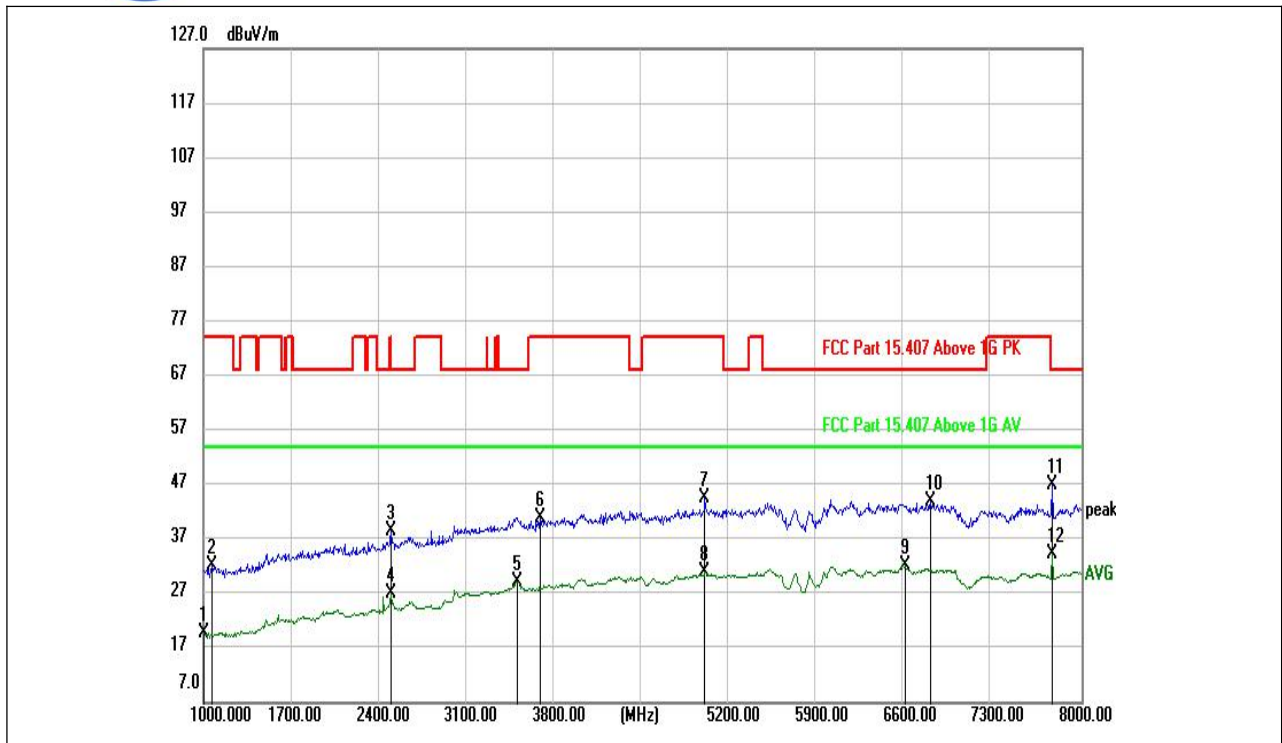
(802.11ac_5825MHz, Antenna Horizontal, 8GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
8740.000	---	32.54	54.00	21.46	H	1.67
8750.000	45.03	---	68.20	23.17	H	1.66
10500.000	44.71	---	68.20	23.49	H	3.19
10510.000	---	32.82	54.00	21.18	H	3.15
11660.000	---	32.47	54.00	21.53	H	3.65
11880.000	44.58	---	74.00	29.42	H	4.02
13010.000	---	32.86	54.00	21.14	H	6.06
13030.000	45.05	---	68.20	23.15	H	6.19
15210.000	---	35.23	54.00	18.77	H	10.03
15220.000	47.44	---	68.20	20.76	H	10.02
17030.000	49.32	---	68.20	18.88	H	11.09
17040.000	---	36.45	54.00	17.55	H	11.08



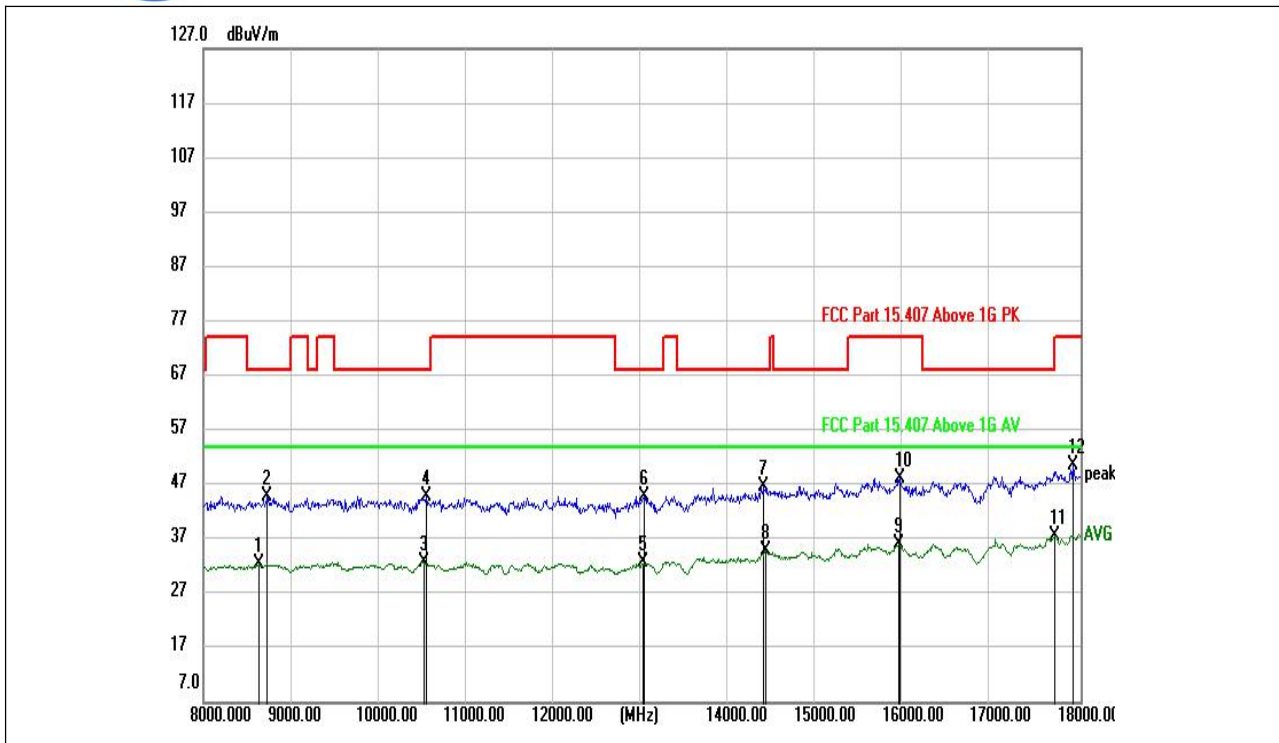
(802.11ac_5825MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
30.4238	34.84	---	40.00	5.16	V	13.14
39.7147	34.51	---	40.00	5.49	V	15.27
67.4382	30.45	---	40.00	9.55	V	12.60
100.9340	33.73	---	43.50	9.77	V	15.00
202.1005	32.45	---	43.50	11.05	V	13.95
501.1790	37.21	---	46.00	8.79	V	22.00



(802.11ac_5825MHz, Antenna Vertical , 1GHz to 8GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1007.000	---	19.95	54.00	34.05	V	-17.70
1070.000	32.03	---	74.00	41.97	V	-17.96
2498.000	38.55	---	74.00	35.45	V	-9.63
2498.000	---	27.06	54.00	26.94	V	-9.63
3506.000	---	29.23	54.00	24.77	V	-5.42
3688.000	41.00	---	74.00	33.00	V	-6.16
4997.000	44.56	---	74.00	29.44	V	-2.72
4997.000	---	30.90	54.00	23.10	V	-2.72
6593.000	---	32.12	54.00	21.88	V	-0.82
6796.000	43.79	---	68.20	24.41	V	-1.48
7769.000	47.03	---	68.20	21.17	V	-0.20
7769.000	---	34.15	54.00	19.85	V	-0.20



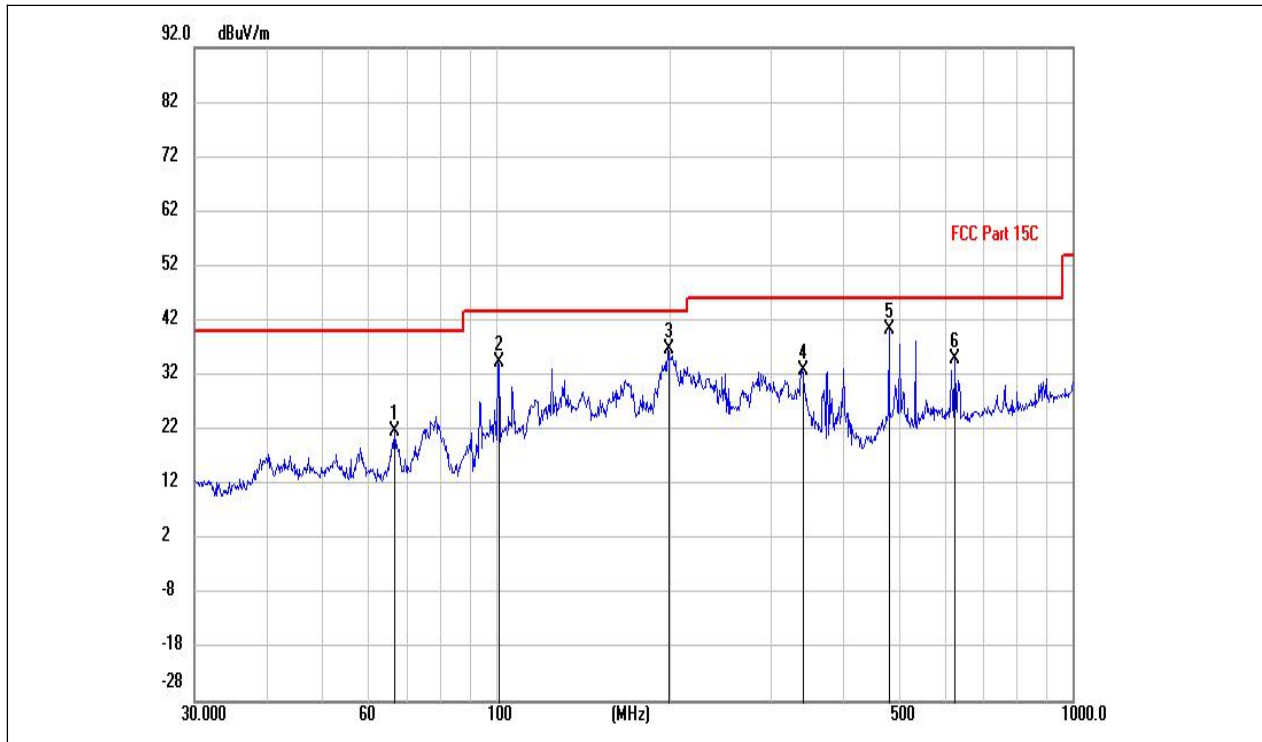
(802.11ac_5825MHz, Antenna Vertical, 8GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
8640.000	---	32.55	54.00	21.45	V	1.53
8730.000	44.75	---	68.20	23.45	V	1.69
10510.000	---	32.89	54.00	21.11	V	3.87
10540.000	44.85	---	68.20	23.35	V	3.37
13010.000	---	32.63	54.00	21.37	V	5.87
13020.000	44.80	---	68.20	23.40	V	5.94
14390.000	46.56	---	68.20	21.64	V	9.03
14410.000	---	35.04	54.00	18.96	V	8.96
15930.000	---	36.20	54.00	17.80	V	11.26
15940.000	48.14	---	74.00	25.86	V	11.33
17700.000	---	37.67	54.00	16.33	V	14.37
17910.000	50.62	---	74.00	23.38	V	15.28



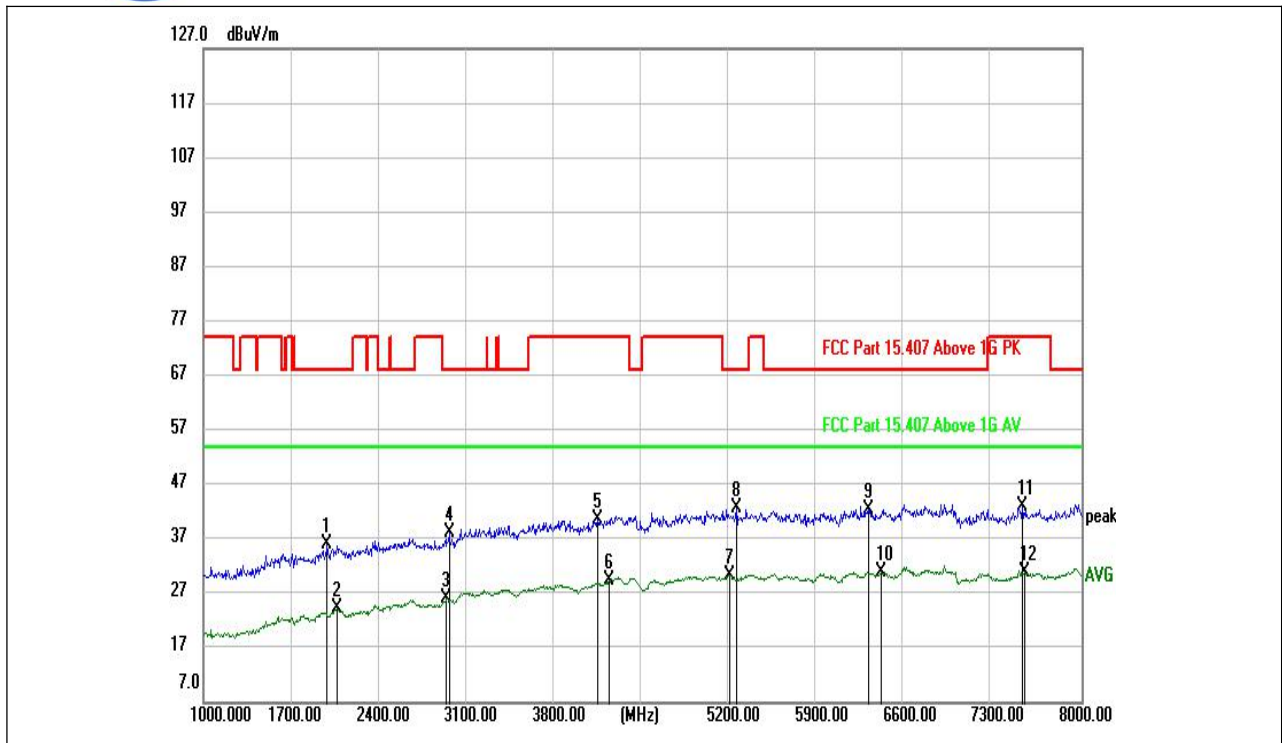
802.11ac (HT40) Test mode

Plots for Channel = 38



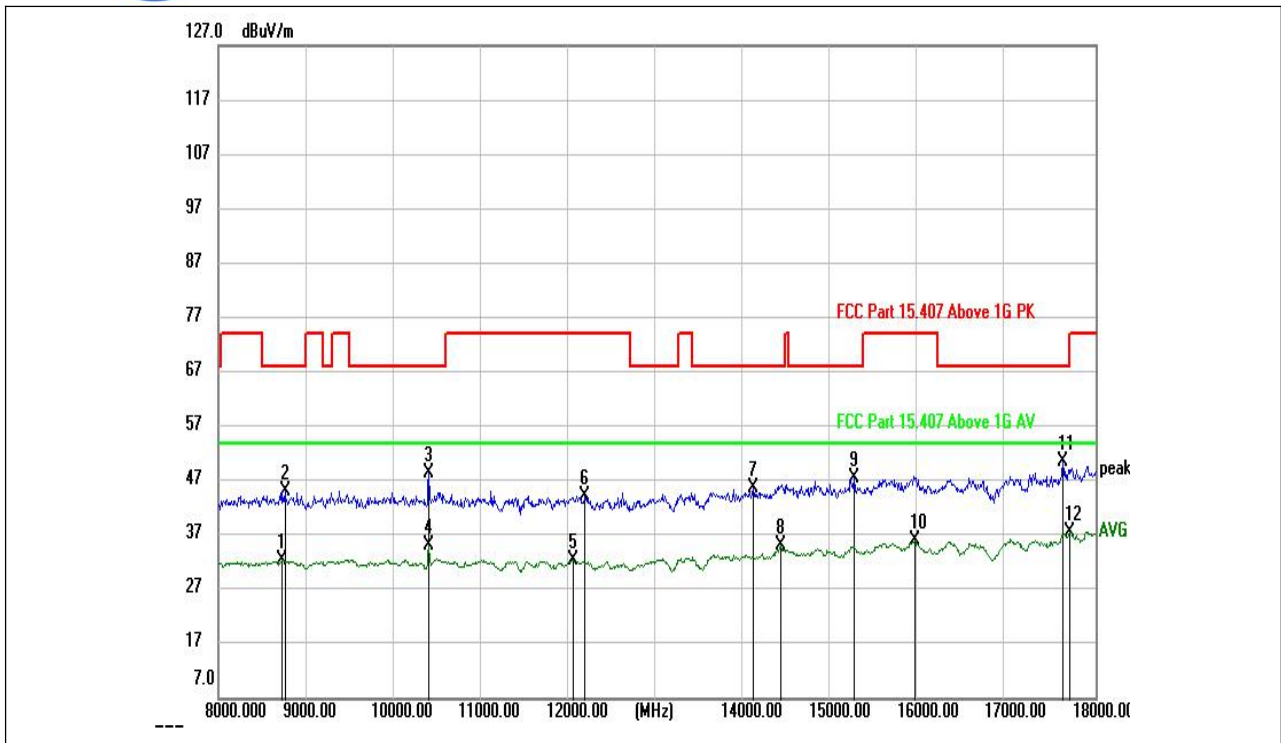
(802.11ac _5190MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
66.7325	21.59	---	40.00	18.41	H	12.80
100.9340	34.25	---	43.50	9.25	H	15.00
198.5880	36.63	---	43.50	6.87	H	14.08
339.5888	32.71	---	46.00	13.29	H	18.21
480.5276	40.17	---	46.00	5.83	H	21.47
625.0780	34.87	---	46.00	11.13	H	23.84



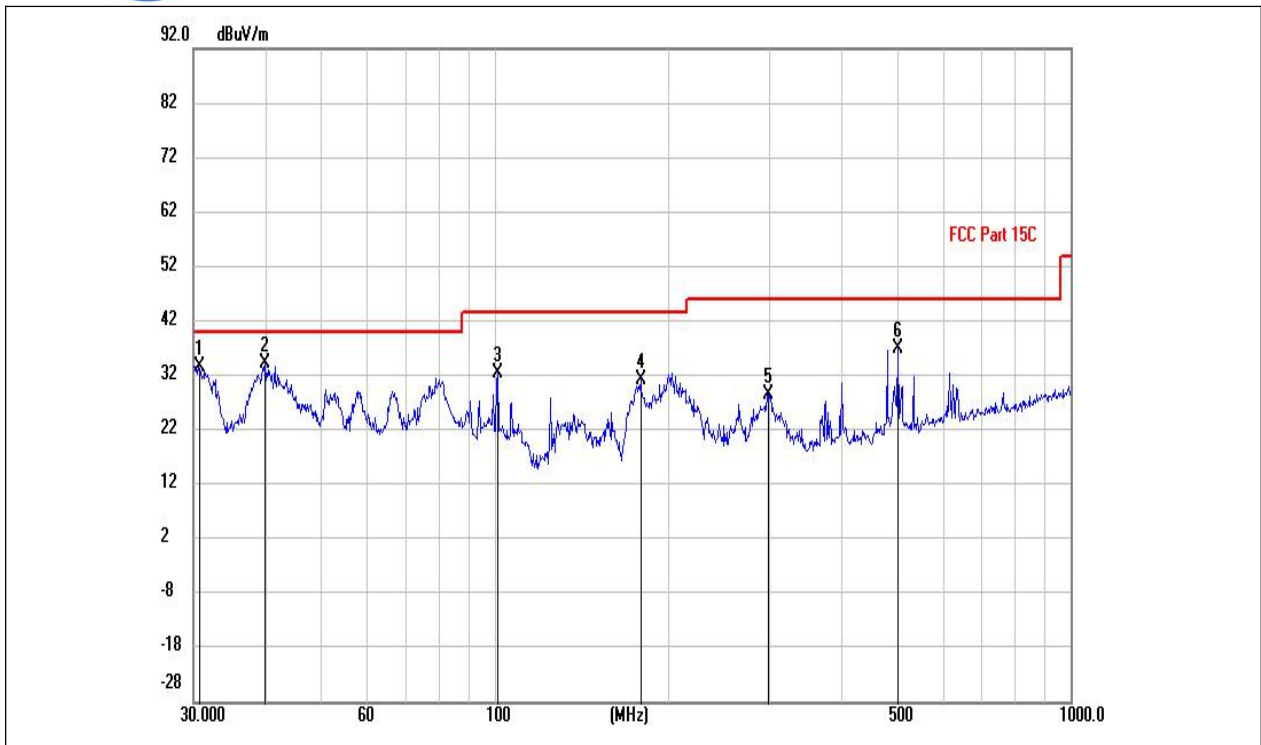
(802.11ac_5190MHz, Antenna Horizontal, 1GHz to 8GHz)

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1987.000	36.01	---	68.20	32.19	H	-12.64
2064.000	---	24.45	54.00	29.55	H	-11.69
2939.000	---	26.05	54.00	27.95	H	-9.24
2960.000	38.28	---	68.20	29.92	H	-8.93
4143.000	40.62	---	74.00	33.38	H	-4.90
4234.000	---	29.45	54.00	24.55	H	-4.44
5193.000	---	30.44	54.00	23.56	H	-3.03
5249.000	42.68	---	68.20	25.52	H	-3.00
6299.000	42.41	---	68.20	25.79	H	-1.57
6404.000	---	30.88	54.00	23.12	H	-1.82
7531.000	43.15	---	74.00	30.85	H	-0.03
7545.000	---	30.95	54.00	23.05	H	-0.01



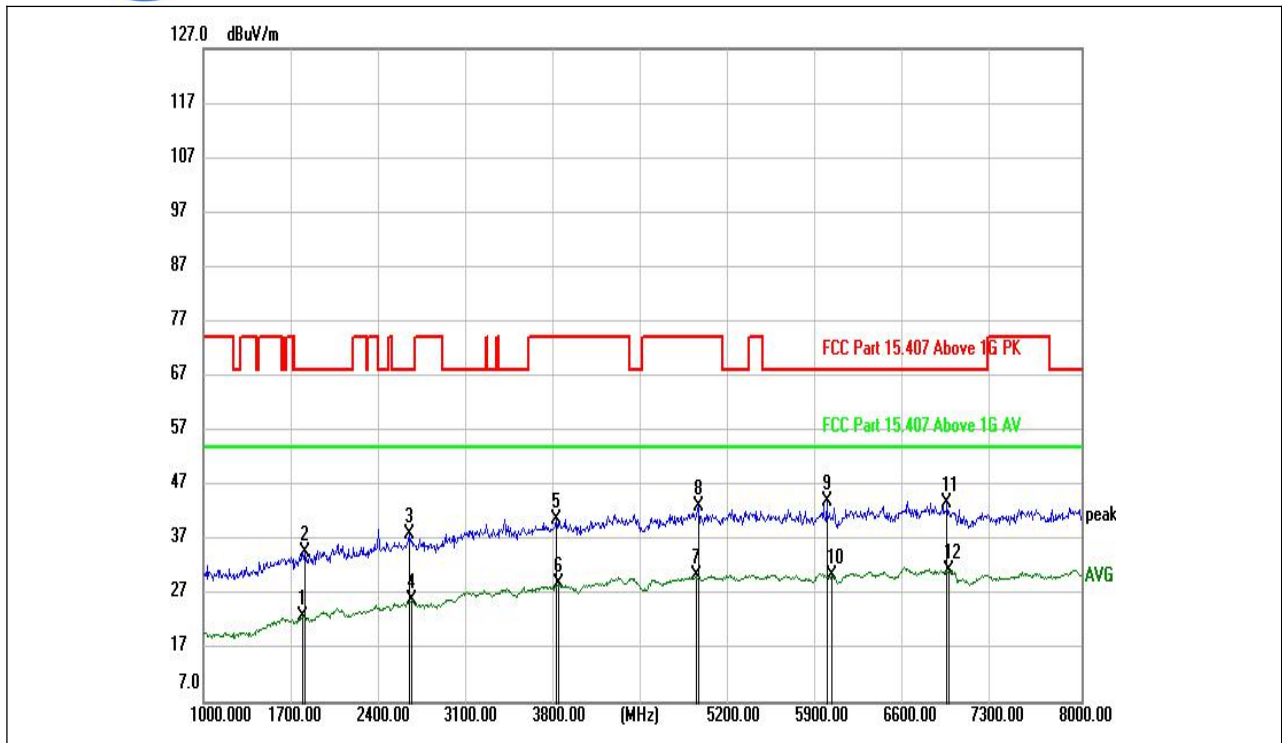
(802.11ac_5190MHz, Antenna Horizontal, 8GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
8730.000	---	32.45	54.00	21.55	H	1.69
8760.000	45.20	---	68.20	23.00	H	1.65
10400.000	48.31	---	68.20	19.89	H	2.38
10400.000	---	35.31	54.00	18.69	H	2.38
12050.000	---	32.55	54.00	21.45	H	4.58
12180.000	44.23	---	74.00	29.77	H	4.39
14100.000	45.81	---	68.20	22.39	H	8.19
14410.000	---	35.11	54.00	18.89	H	8.84
15250.000	47.55	---	68.20	20.65	H	10.02
15940.000	---	32.45	54.00	17.95	H	11.40
17630.000	50.65	---	68.20	17.55	H	13.61
17700.000	---	37.74	54.00	16.26	H	14.37



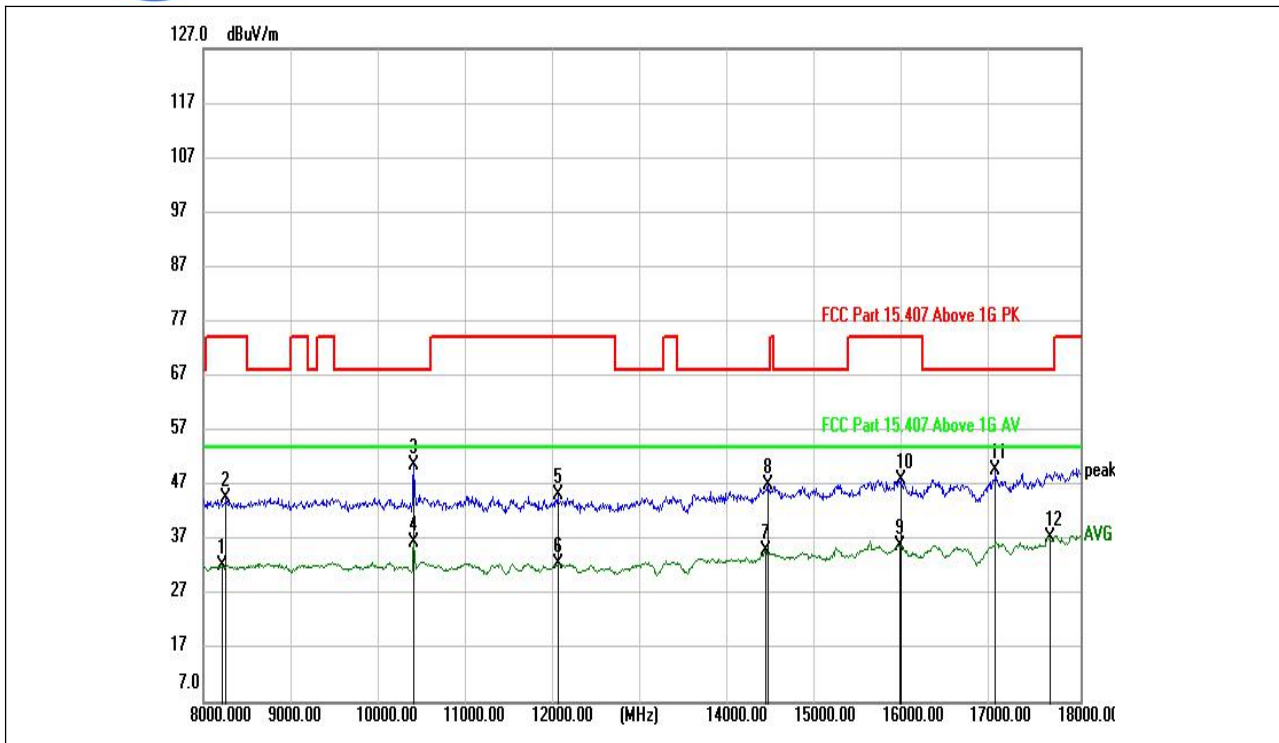
(802.11ac_5190MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
30.6379	33.80	---	40.00	6.20	V	12.76
39.9942	34.35	---	40.00	5.65	V	15.69
101.2885	32.42	---	43.50	11.08	V	14.92
179.3864	31.13	---	43.50	12.37	V	12.63
299.3158	28.52	---	46.00	17.48	V	17.28
501.1790	37.03	---	46.00	8.97	V	22.00



(802.11ac_5190MHz, Antenna Vertical, 1GHz to 8GHz)

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB/m)
1791.000	---	22.91	54.00	31.09	V	-13.77
1812.000	34.59	---	68.20	33.61	V	-14.15
2638.000	37.86	---	68.20	30.34	V	-9.68
2659.000	---	25.70	54.00	-28.30	V	-9.64
3814.000	40.66	---	74.00	-33.34	V	-5.78
3835.000	---	28.82	54.00	-25.18	V	-5.65
4934.000	---	30.25	54.00	-23.75	V	-2.79
4948.000	43.06	---	74.00	-30.94	V	-2.65
5970.000	43.99	---	68.20	-24.21	V	-1.97
6012.000	---	30.30	54.00	-23.70	V	-1.35
6929.000	43.66	---	68.20	-24.54	V	-1.22
6943.000	---	31.30	54.00	-22.70	V	-1.24

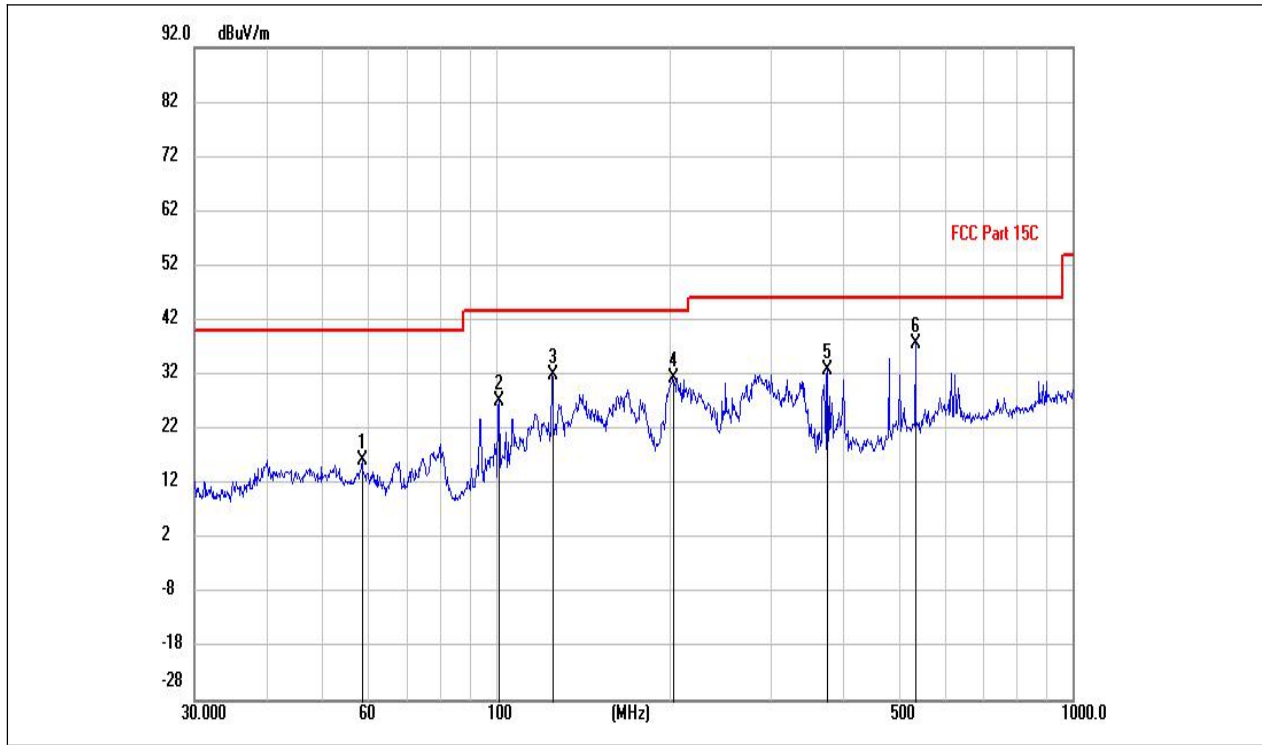


(802.11n_5190MHz, Antenna Vertical, 8GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
8220.000	---	32.19	54.00	21.81	V	1.44
8260.000	44.60	---	74.00	29.40	V	1.28
10400.000	50.66	---	68.20	17.54	V	2.38
10400.000	---	36.52	54.00	17.48	V	2.38
12040.000	45.16	---	74.00	28.84	V	5.04
12050.000	---	32.48	54.00	21.52	V	5.10
14410.000	---	34.94	54.00	19.06	V	8.96
14440.000	46.90	---	68.20	21.30	V	8.96
15940.000	---	35.90	54.00	18.10	V	11.33
15950.000	47.83	---	74.00	26.17	V	11.40
17030.000	49.65	---	68.20	18.55	V	12.62
17650.000	---	37.23	54.00	16.77	V	13.83

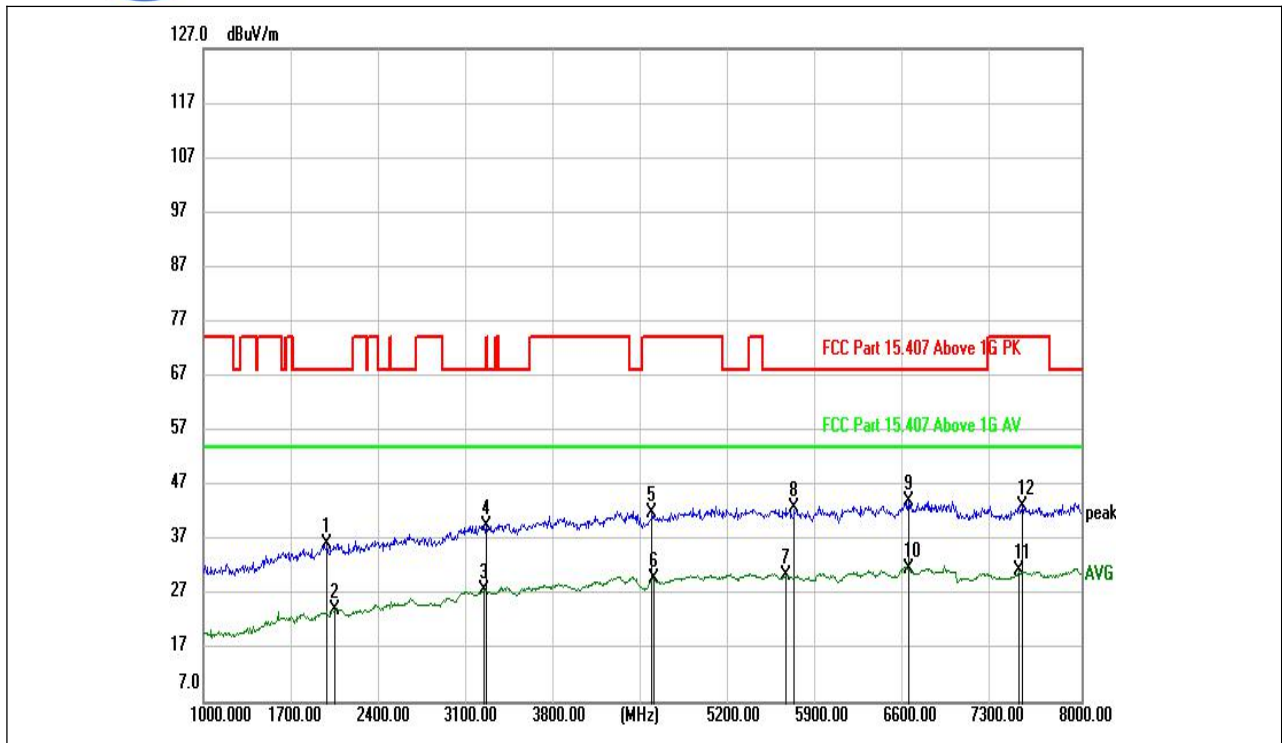


Plots for Channel = 46



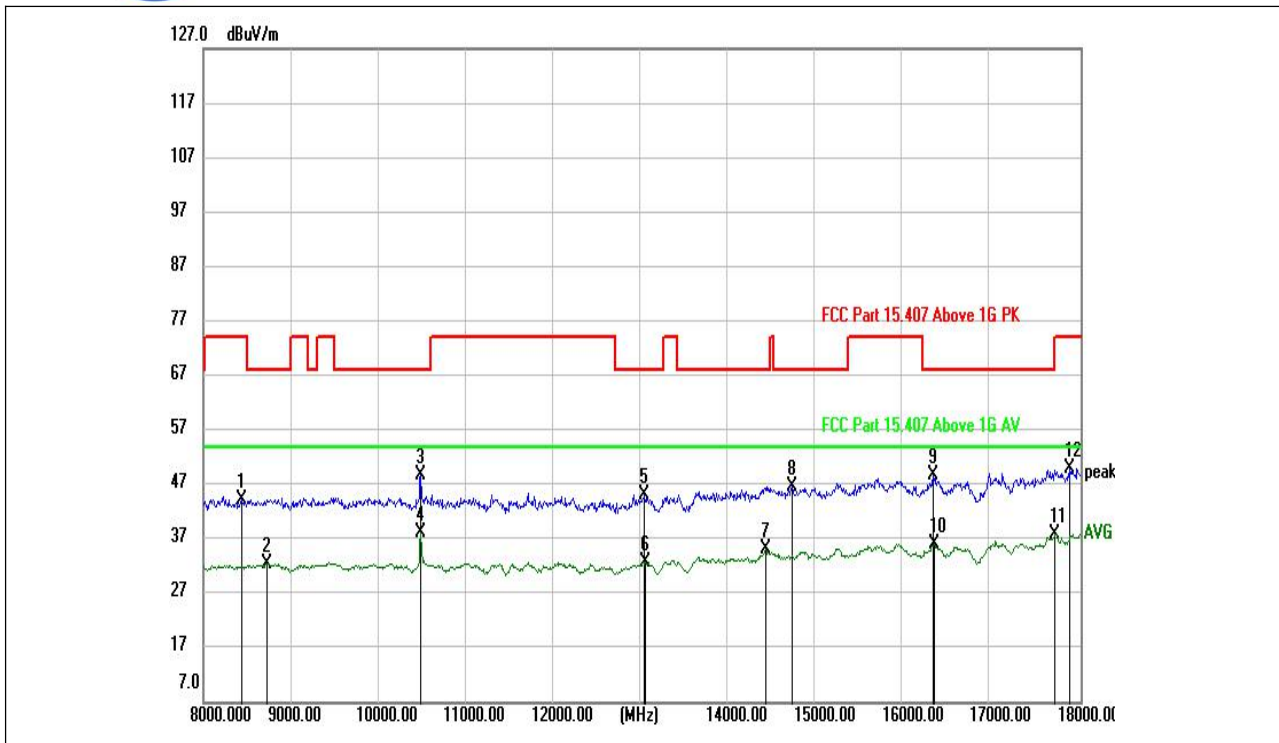
(802.11ac _5230MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
58.6126	16.24	---	40.00	23.76	H	14.43
101.2885	27.01	---	43.50	16.49	H	14.92
125.0066	31.97	---	43.50	11.53	H	11.12
202.8104	31.26	---	43.50	12.24	H	13.86
375.9385	32.63	---	46.00	13.37	H	18.54
533.8321	37.70	---	46.00	8.30	H	22.25



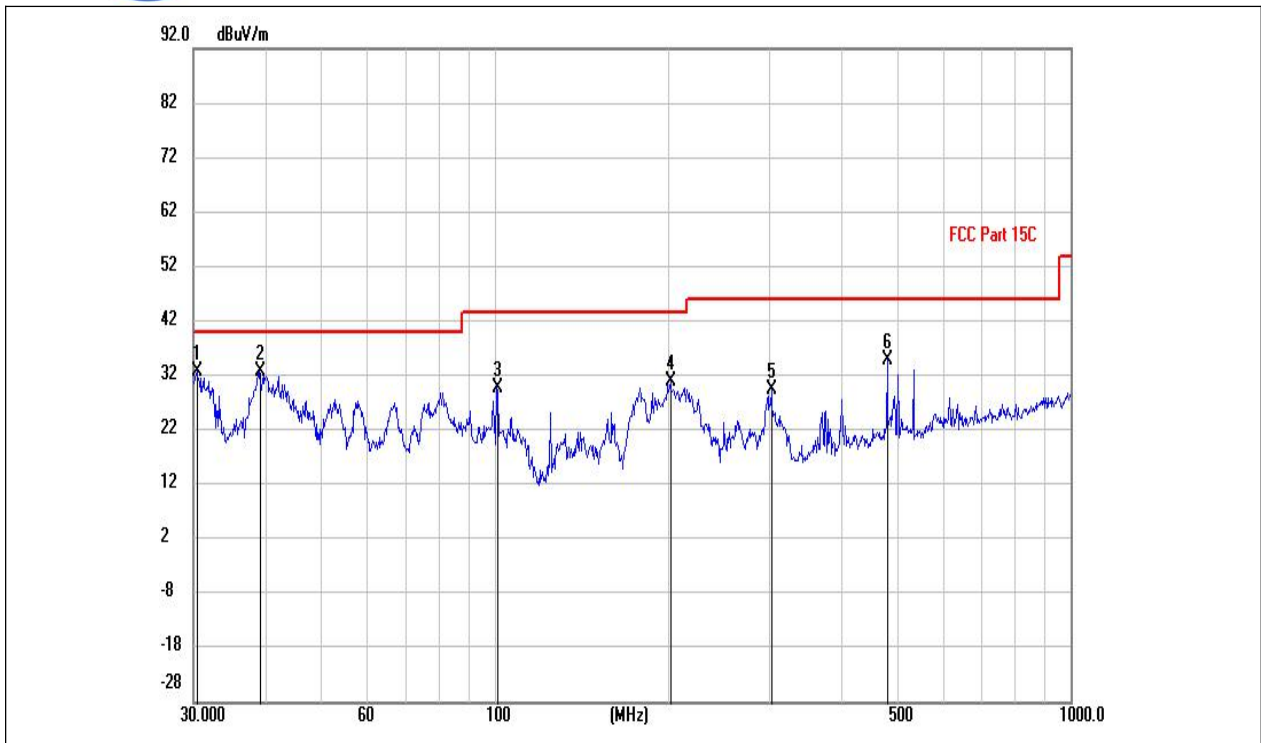
(802.11ac_5230MHz, Antenna Horizontal, 1GHz to 8GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1987.000	36.05	---	68.20	32.15	H	-12.64
2050.000	---	24.01	54.00	29.99	H	-12.14
3233.000	---	27.62	54.00	26.38	H	-7.43
3254.000	39.53	---	68.20	28.67	H	-7.35
4577.000	41.77	---	74.00	32.23	H	-4.34
4591.000	---	29.73	54.00	24.27	H	-4.26
5648.000	---	30.36	54.00	23.64	H	-2.57
5711.000	42.58	---	68.20	25.62	H	-2.92
6621.000	44.03	---	68.20	24.17	H	-1.12
6621.000	---	31.59	54.00	22.41	H	-1.12
7503.000	---	31.30	54.00	22.70	H	-0.18
7531.000	43.15	---	74.00	30.85	H	-0.03



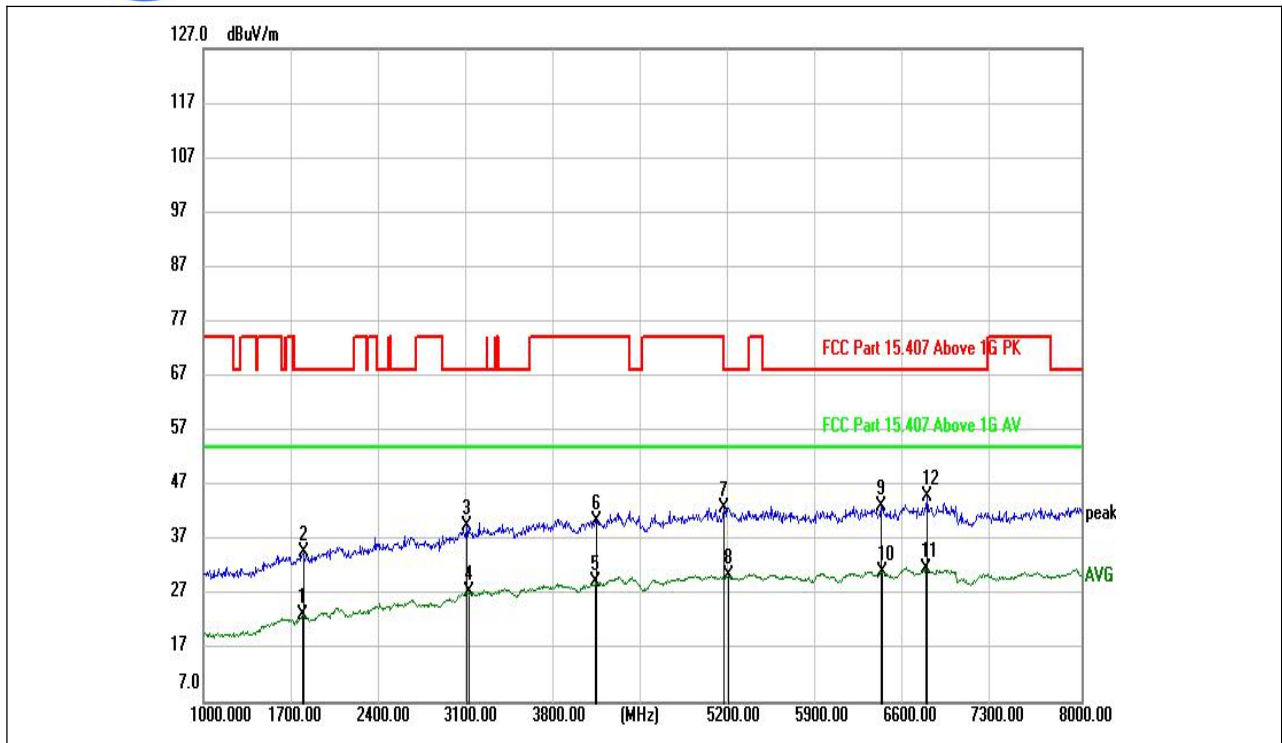
(802.11ac_5230MHz, Antenna Horizontal, 8GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
8440.000	44.37	---	74.00	29.63	H	1.20
8730.000	---	32.51	54.00	21.49	H	1.69
10480.000	48.82	---	68.20	19.38	H	3.07
10480.000	---	38.10	54.00	15.90	H	3.07
13030.000	45.11	---	68.20	23.09	H	6.19
13040.000	---	32.82	54.00	21.18	H	6.25
14410.000	---	35.07	54.00	18.93	H	8.84
14710.000	46.57	---	68.20	21.63	H	8.81
16320.000	48.83	---	68.20	19.37	H	11.28
16330.000	---	36.24	54.00	17.76	H	11.33
17710.000	---	37.95	54.00	16.05	H	14.47
17880.000	49.91	---	74.00	24.09	H	15.45



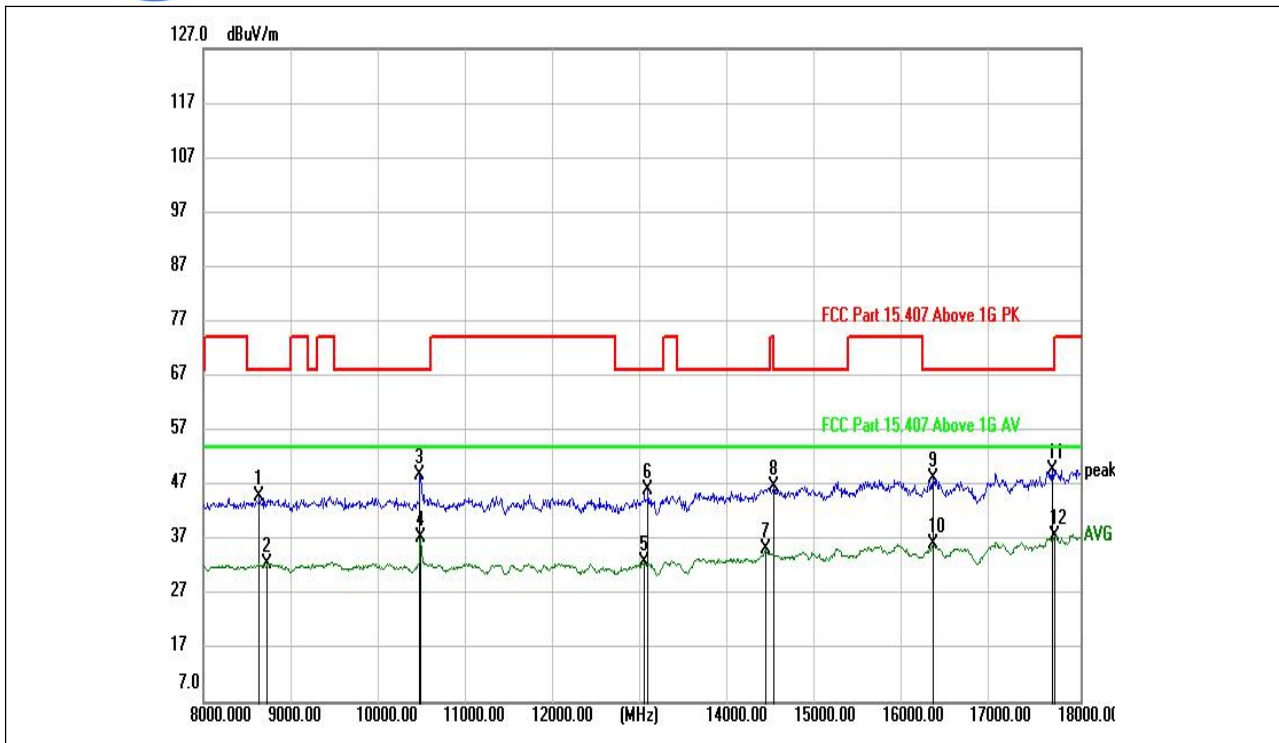
(802.11ac_5230MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
30.4238	32.87	---	40.00	7.13	V	13.14
39.0245	32.67	---	40.00	7.33	V	14.23
100.9340	29.68	---	43.50	13.82	V	15.00
202.1005	31.00	---	43.50	12.50	V	13.95
302.4812	29.32	---	46.00	16.68	V	17.17
480.5276	34.88	---	46.00	11.12	V	21.47



(802.11ac_5230MHz, Antenna Vertical, 1GHz to 8GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1791.000	---	23.07	54.00	30.93	V	-13.77
1798.000	34.67	---	68.20	33.53	V	-13.82
3100.000	39.50	---	68.20	28.70	V	-7.88
3114.000	---	27.30	54.00	26.70	V	-7.84
4129.000	---	29.14	54.00	24.86	V	-5.07
4136.000	40.27	---	74.00	33.73	V	-4.99
5151.000	42.82	---	68.20	25.38	V	-2.94
5186.000	---	30.27	54.00	23.73	V	-3.01
6404.000	43.11	---	68.20	25.09	V	-1.77
6411.000	---	31.03	54.00	22.97	V	-1.69
6761.000	---	31.44	54.00	22.56	V	-1.41
6768.000	44.71	---	68.20	23.49	V	-1.41

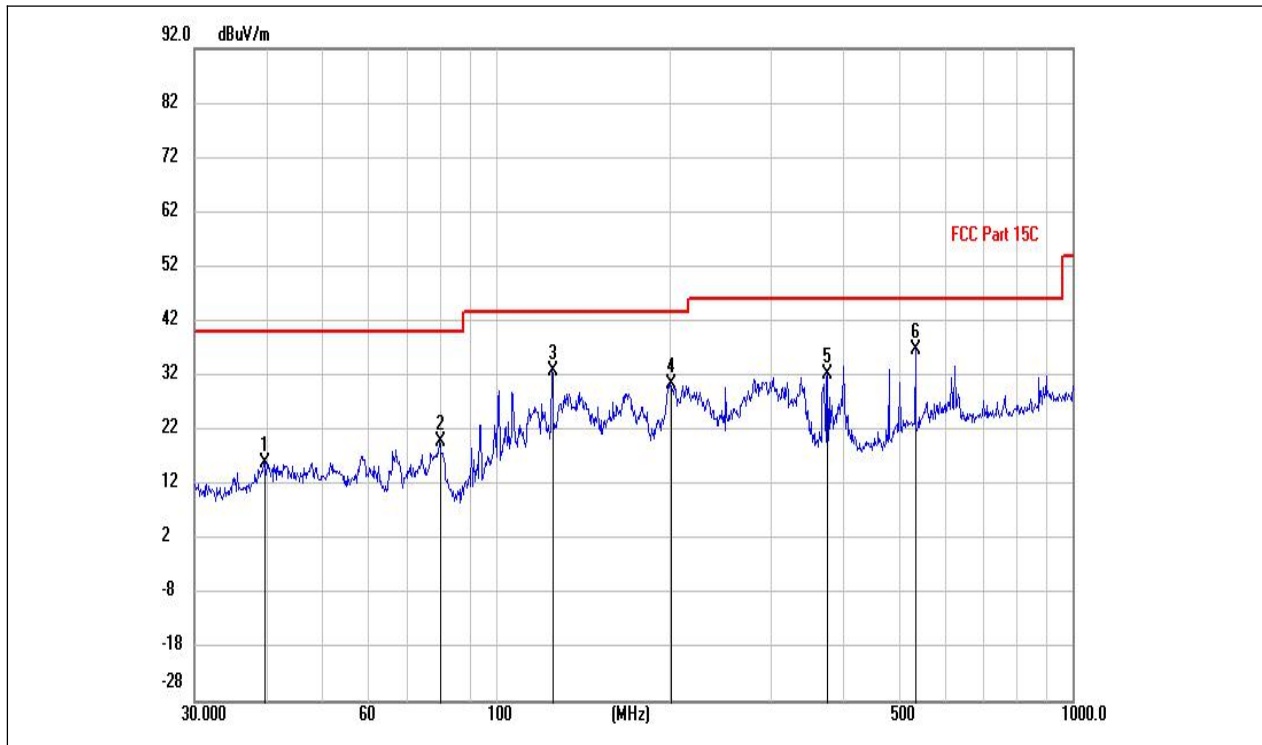


(802.11ac_5230MHz, Antenna Vertical, 8GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
8640.000	44.76	---	68.20	23.44	V	1.53
8730.000	---	32.55	54.00	21.45	V	1.69
10470.000	48.81	---	68.20	19.39	V	3.02
10480.000	---	37.38	54.00	16.62	V	3.07
13020.000	32.70	32.70	54.00	21.30	V	6.12
13070.000	---	---	68.20	22.19	V	6.26
14410.000	35.05	35.05	54.00	18.95	V	8.84
14500.000	46.75	---	68.20	21.45	V	7.93
16320.000	48.18	---	68.20	20.02	V	11.28
16320.000	---	36.03	54.00	17.97	V	11.28
17680.000	49.64	---	68.20	18.56	V	14.16
17700.000	---	37.75	54.00	16.25	V	14.37

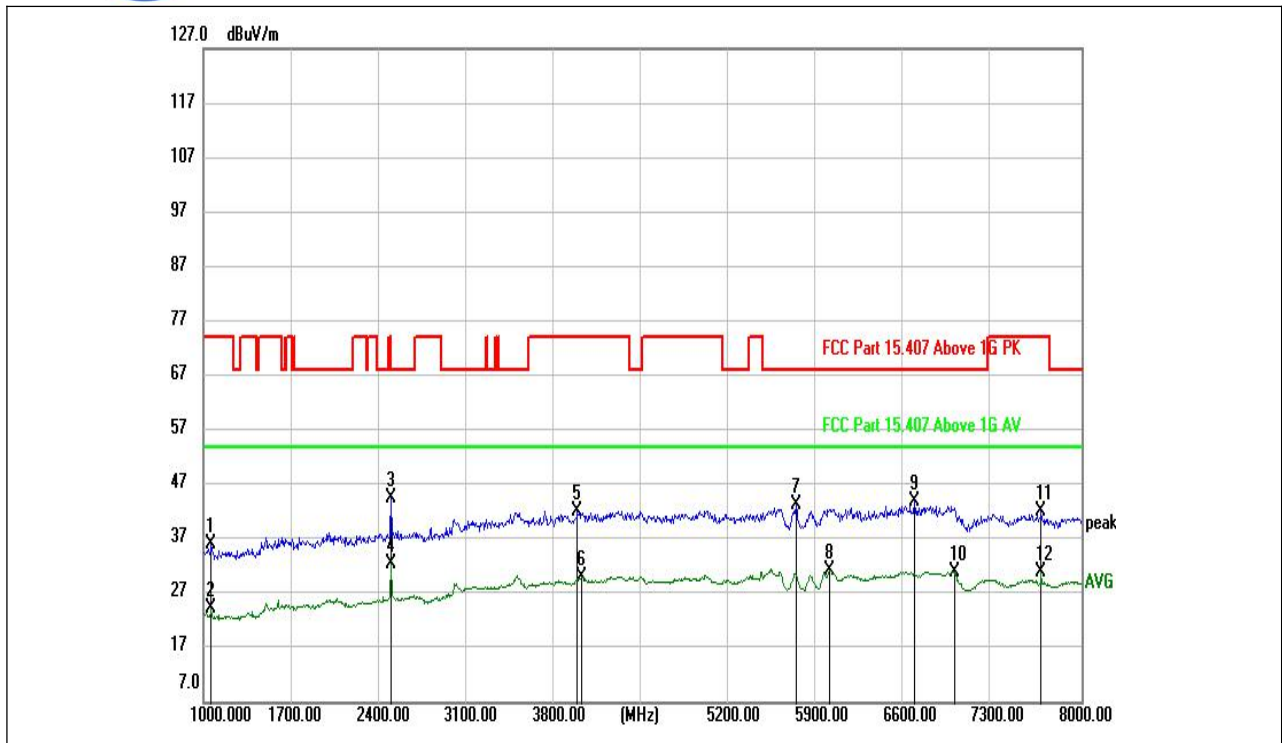


Plot for Channel = 151



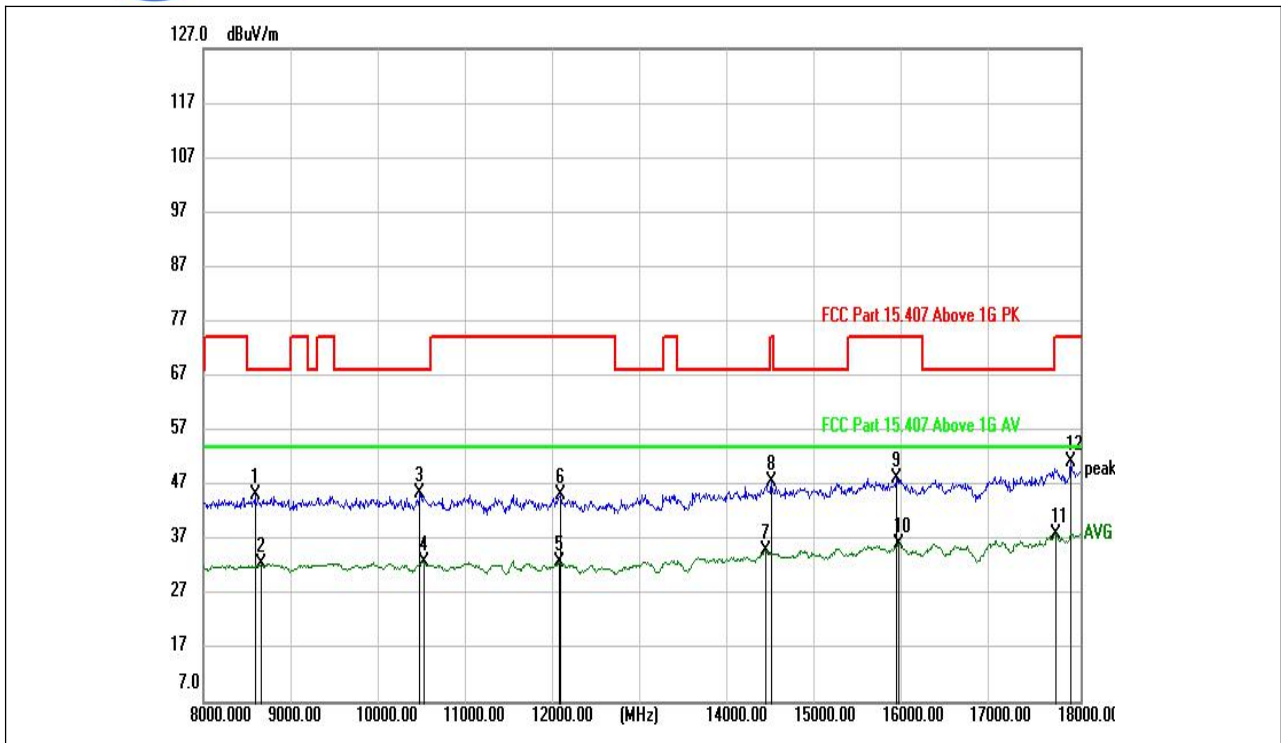
(802.11ac_5755MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
39.7147	15.85	---	40.00	24.15	H	15.27
79.8003	19.82	---	40.00	20.18	H	10.84
125.0066	32.70	---	43.50	10.80	H	11.12
200.6881	30.47	---	43.50	13.03	H	14.20
375.9385	32.13	---	46.00	13.87	H	18.54
533.8321	36.68	---	46.00	9.32	H	22.25



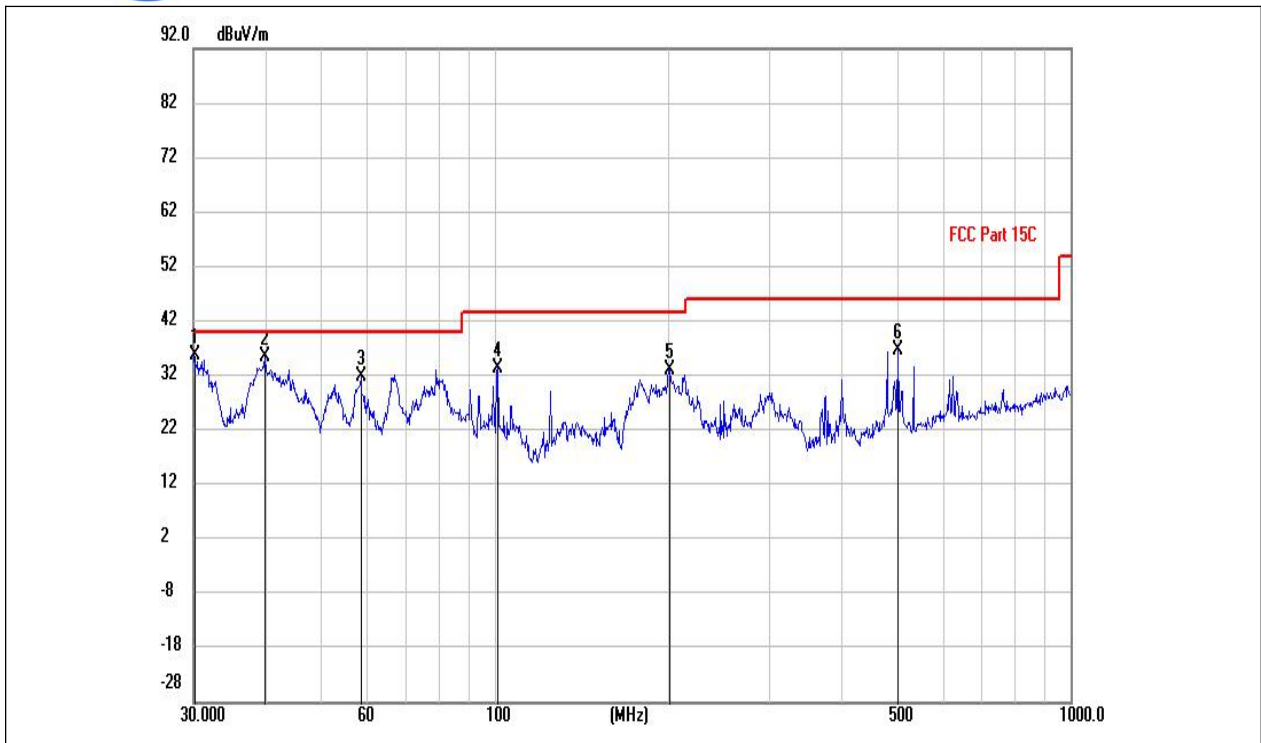
(802.11ac_5755MHz, Antenna Horizontal, 1GHz to 8GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1063.000	36.04	---	74.00	37.96	H	-14.36
1063.000	---	24.23	54.00	29.77	H	-14.36
2498.000	44.66	---	74.00	29.34	H	-10.11
2498.000	---	32.41	54.00	21.59	H	-10.11
3982.000	42.06	---	74.00	31.94	H	-5.93
4017.000	---	30.18	54.00	23.82	H	-5.36
5725.000	43.21	---	68.20	24.99	H	-2.80
5991.000	---	31.27	54.00	22.73	H	-3.06
6670.000	43.95	---	68.20	24.25	H	-1.79
6992.000	---	31.12	54.00	22.88	H	-1.60
7678.000	42.24	---	74.00	31.76	H	-1.54
7678.000	---	30.94	54.00	23.06	H	-1.54



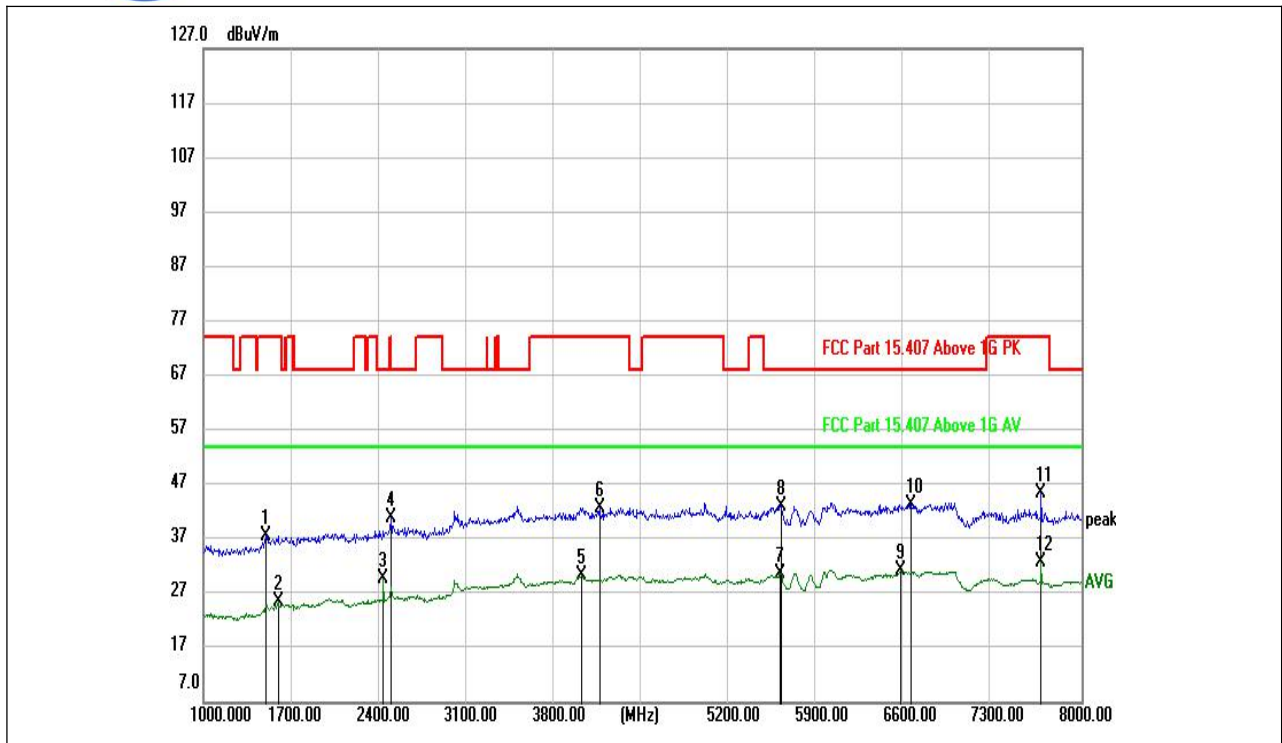
(802.11ac _5755MHz, Antenna Horizontal, 8GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
8590.000	45.05	---	68.20	23.15	H	1.50
8660.000	---	32.52	54.00	21.48	H	1.57
10470.000	45.40	---	68.20	22.80	H	3.02
10510.000	---	32.87	54.00	21.13	H	3.15
12060.000	---	32.84	54.00	21.16	H	4.49
12070.000	45.19	---	74.00	28.81	H	4.39
14410.000	---	35.02	54.00	18.98	H	8.84
14480.000	47.47	---	74.00	26.53	H	8.06
15900.000	48.03	---	74.00	25.97	H	11.14
15930.000	---	36.03	54.00	17.97	H	11.32
17720.000	---	37.97	54.00	16.03	H	14.57
17890.000	51.25	---	74.00	22.75	H	15.24



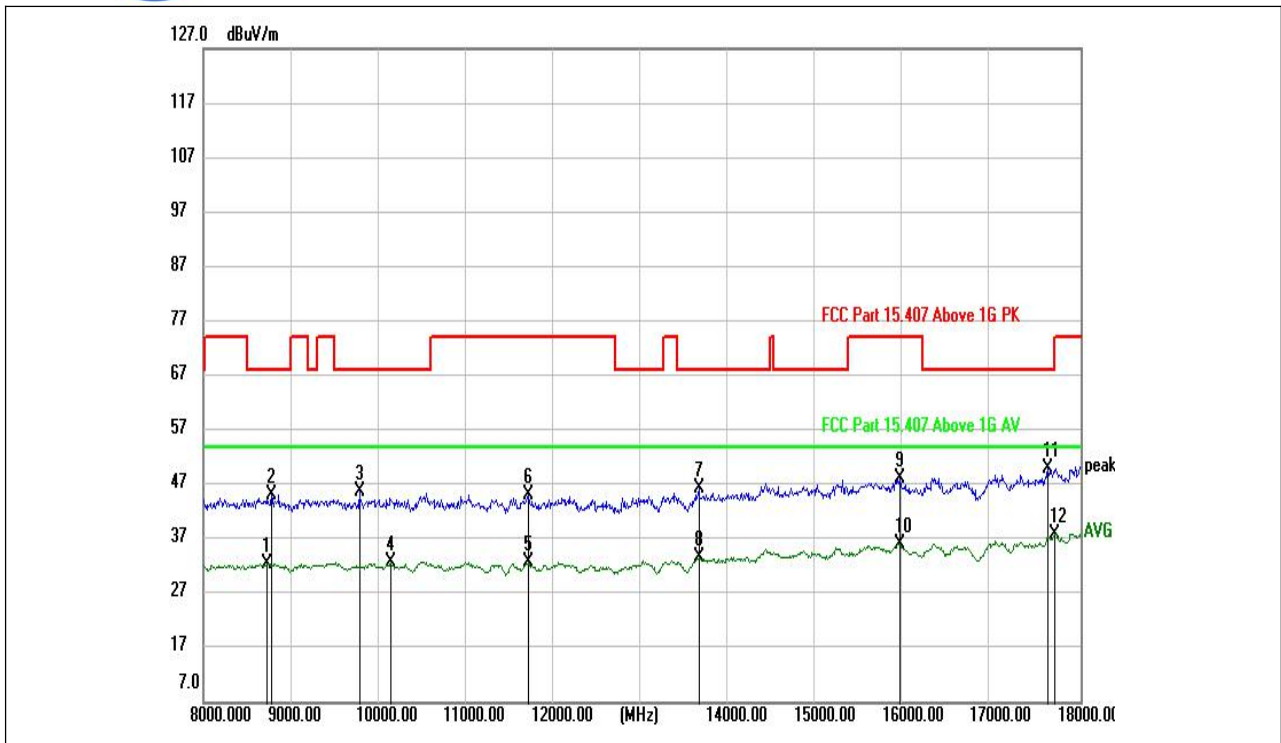
(802.11ac_5755MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
30.1054	35.77	---	40.00	4.23	V	13.71
39.9942	35.34	---	40.00	4.66	V	15.69
58.6126	31.88	---	40.00	8.12	V	14.43
101.2885	33.44	---	43.50	10.06	V	14.92
200.6881	33.16	---	43.50	10.34	V	14.20
501.1790	36.70	---	46.00	9.30	V	22.00



(802.11ac_5755MHz, Antenna Vertical, 1GHz to 8GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1497.000	37.62	---	74.00	36.38	V	-11.69
1595.000	---	25.59	54.00	28.41	V	-12.03
2435.000	---	29.65	54.00	24.35	V	-9.66
2498.000	40.93	---	74.00	33.07	V	-8.43
4017.000	---	30.32	54.00	23.68	V	-3.58
4157.000	42.75	---	74.00	31.25	V	-4.48
5599.000	---	30.78	54.00	23.22	V	-2.69
5606.000	43.01	---	68.20	25.19	V	-2.70
6558.000	---	31.26	54.00	22.74	V	-2.01
6642.000	43.31	---	68.20	24.89	V	-1.57
7678.000	45.39	---	74.00	28.61	V	-1.54
7678.000	---	32.76	54.00	21.24	V	-1.54

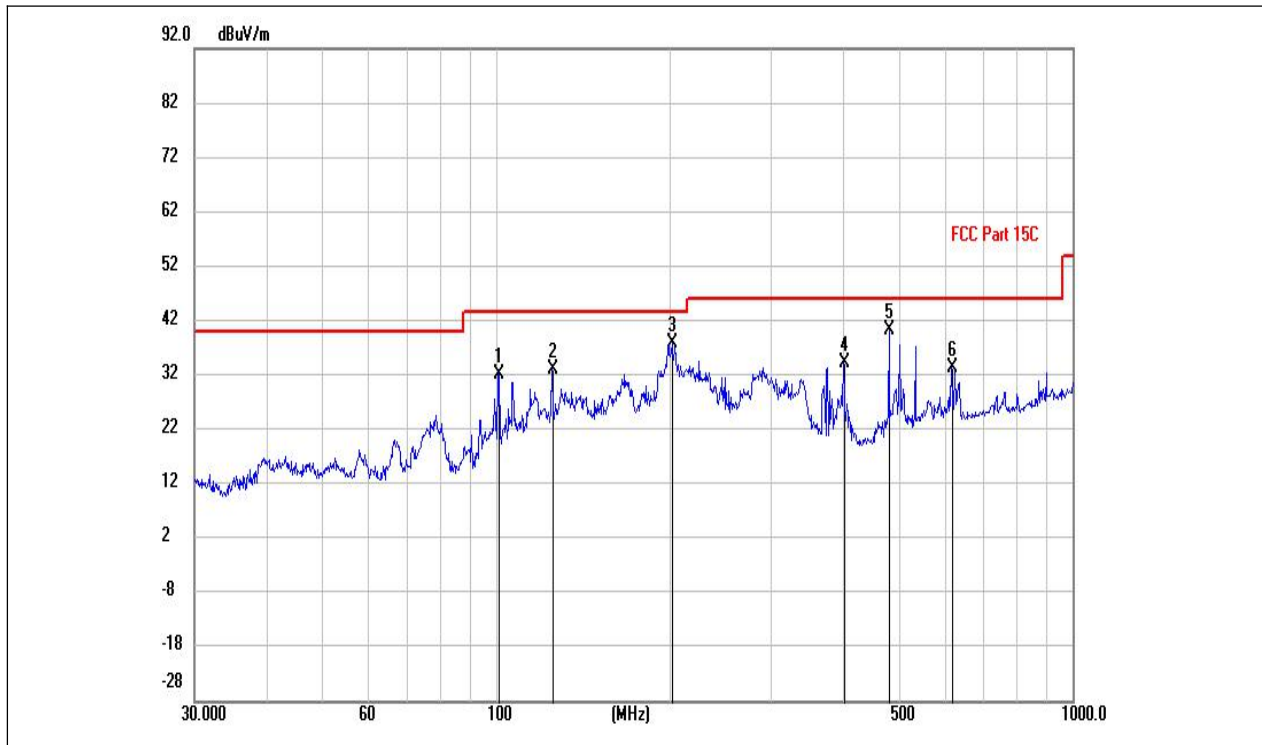


(802.11ac_5755MHz, Antenna Vertical, 8GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
8730.000	---	32.51	54.00	21.49	V	1.69
8780.000	45.08	---	68.20	23.12	V	1.62
9780.000	45.66	---	68.20	22.54	V	1.97
10140.000	---	32.63	54.00	21.37	V	2.67
11700.000	---	32.68	54.00	21.32	V	3.95
11710.000	45.10	---	74.00	28.90	V	4.00
13650.000	46.20	---	68.20	22.00	V	7.21
13650.000	---	33.66	54.00	20.34	V	7.21
15940.000	48.30	---	74.00	25.70	V	11.33
15940.000	---	36.16	54.00	17.84	V	11.33
17630.000	50.05	---	68.20	18.15	V	13.61
17710.000	---	37.85	54.00	16.15	V	14.47

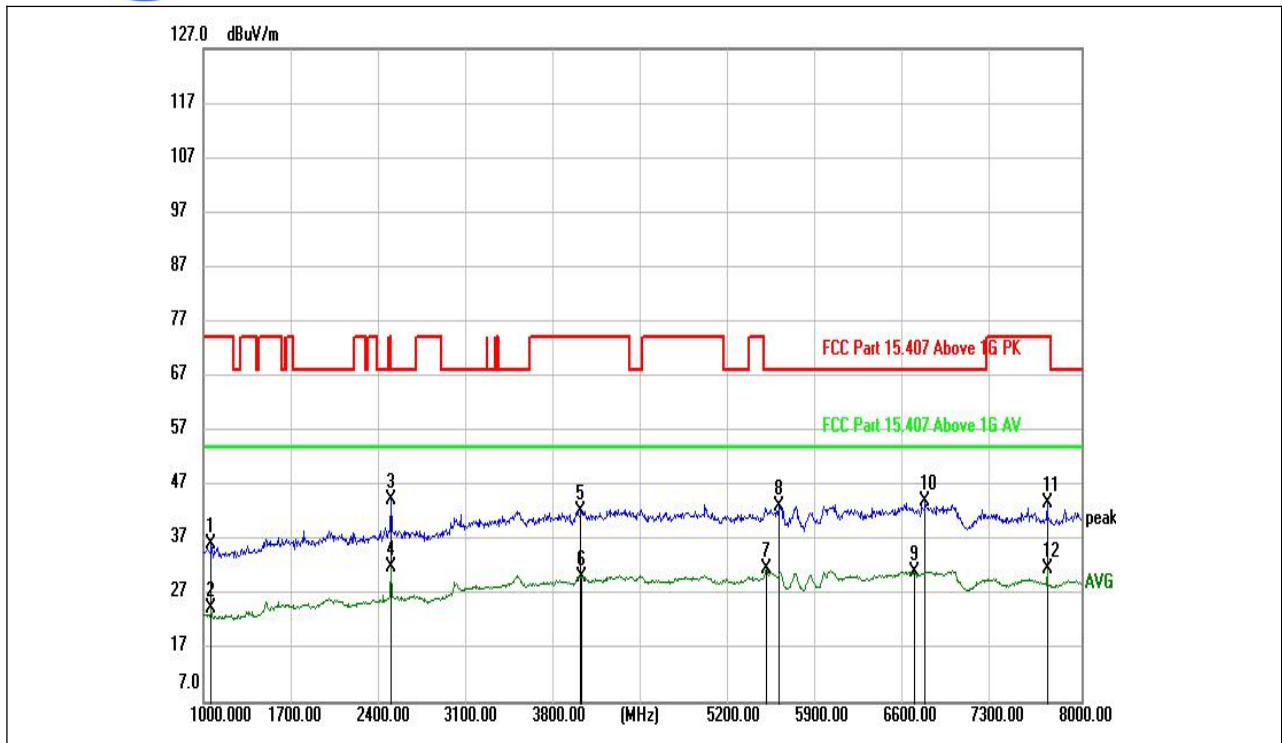


Plot for Channel = 159



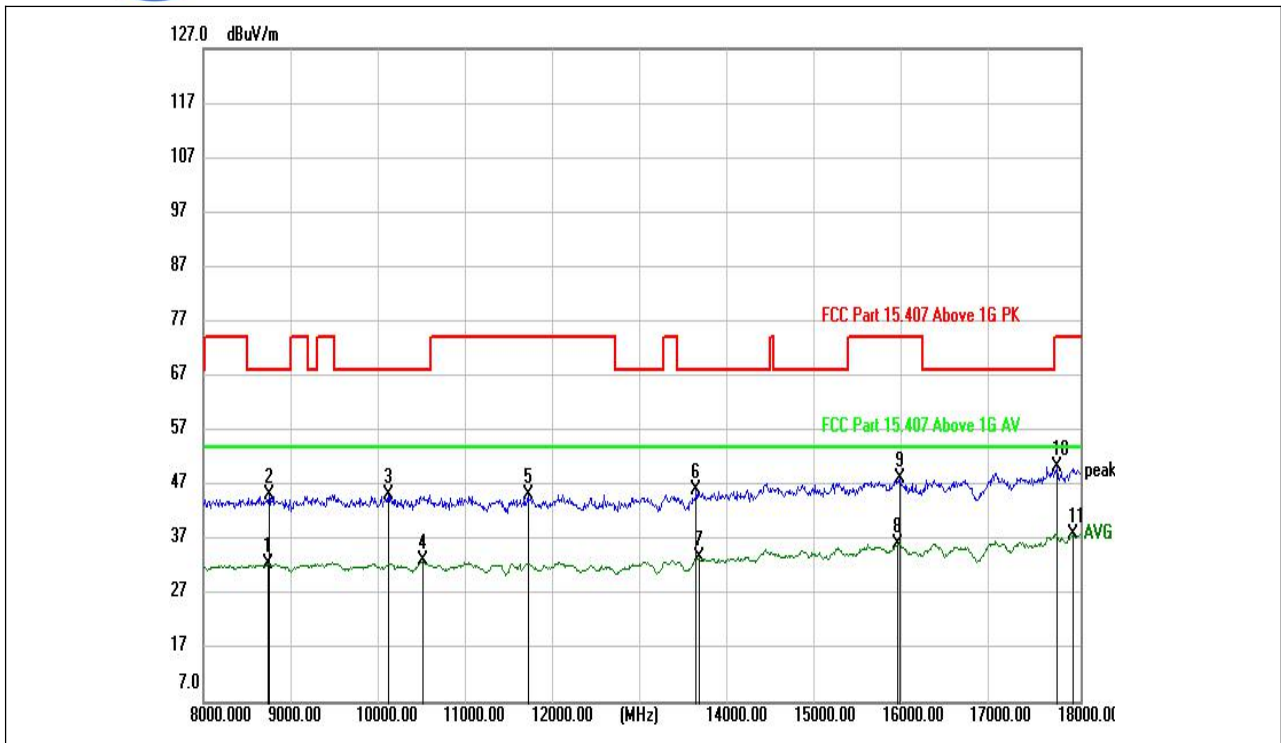
(802.11ac_5795MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
100.9340	32.27	---	43.50	11.23	H	15.00
125.0066	33.12	---	43.50	10.38	H	11.12
202.1005	37.98	---	43.50	5.52	H	13.95
400.4319	34.22	---	46.00	11.78	H	19.66
480.5276	40.27	---	46.00	5.73	H	21.47
616.3718	33.31	---	46.00	12.69	H	23.63



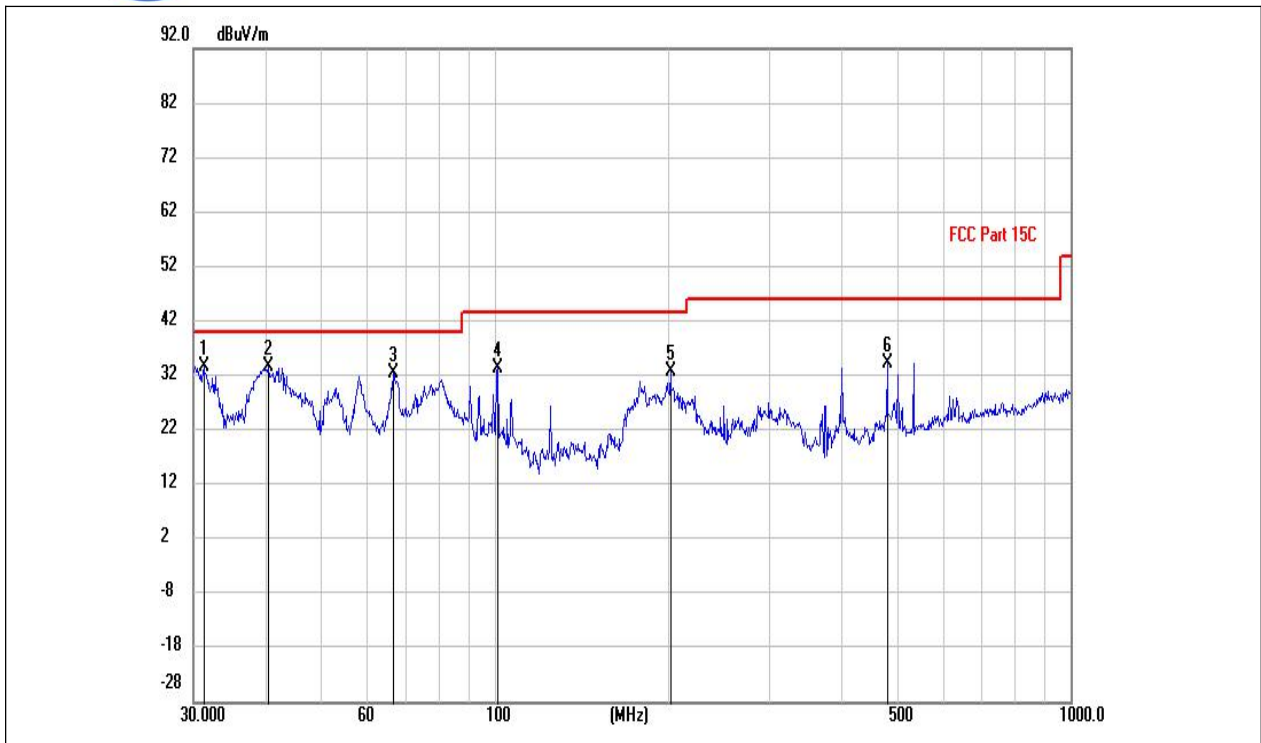
(802.11ac_5795MHz, Antenna Horizontal, 1GHz to 8GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1063.000	36.16	---	74.00	37.84	H	-14.36
1063.000	---	24.29	54.00	29.71	H	-14.36
2498.000	44.31	---	74.00	29.69	H	-10.11
2498.000	---	31.88	54.00	22.12	H	-10.11
4010.000	42.20	---	74.00	31.80	H	-5.67
4017.000	---	30.15	54.00	23.85	H	-5.36
5487.000	---	31.50	54.00	22.50	H	-4.28
5585.000	43.17	---	68.20	25.03	H	-2.77
6670.000	31.07	---	54.00	22.93	H	-1.79
6754.000	43.90	---	68.20	24.30	H	-1.99
7727.000	43.72	---	74.00	30.28	H	-1.72
7727.000	---	31.63	54.00	22.37	H	-1.72



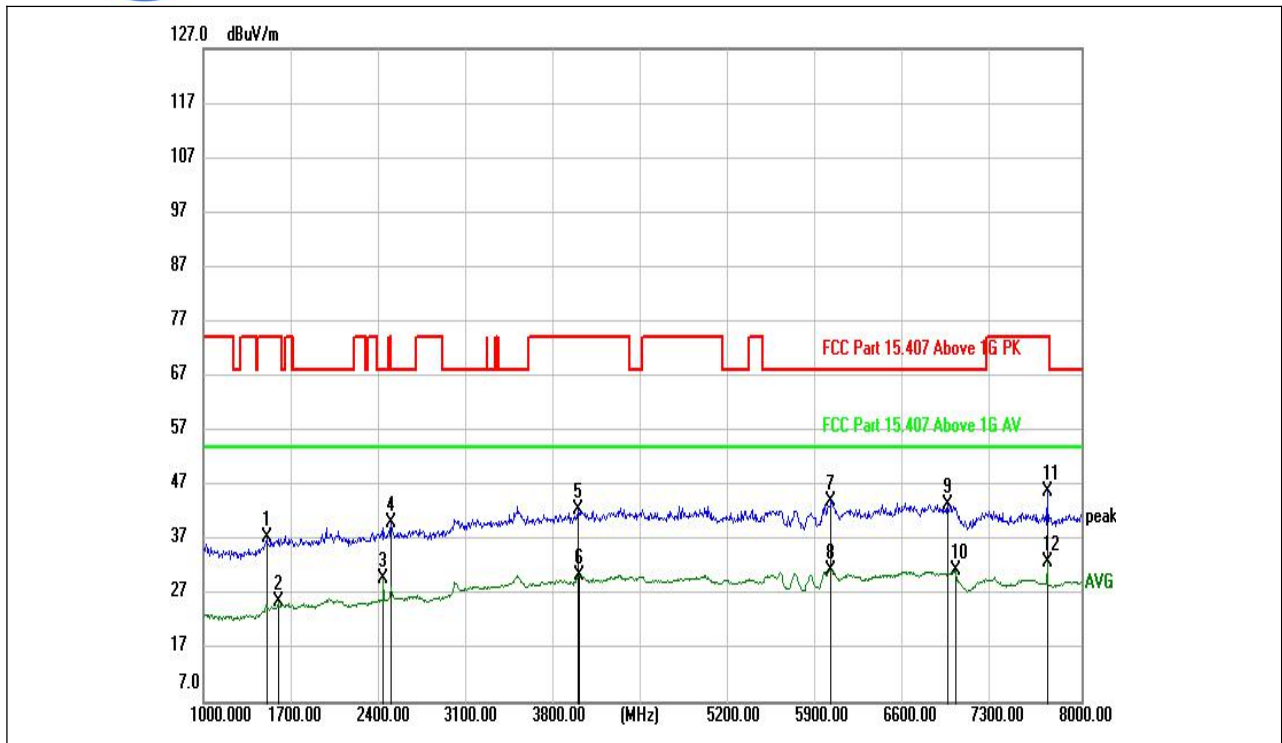
(802.11ac_5795MHz, Antenna Horizontal, 8GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
8740.000	---	32.51	54.00	21.49	H	1.67
8750.000	45.01	---	68.20	23.19	H	1.66
10110.000	45.01	---	68.20	23.19	H	2.28
10500.000	---	32.95	54.00	21.05	H	3.19
11700.000	45.28	---	74.00	28.72	H	3.95
13620.000	46.00	---	68.20	22.20	H	6.91
13650.000	---	33.75	54.00	20.25	H	7.21
15920.000	---	36.14	54.00	17.86	H	11.26
15940.000	48.20	---	74.00	25.80	H	11.40
17730.000	50.41	---	74.00	23.59	H	14.66
17910.000	---	37.91	54.00	16.09	H	14.79
8740.000	---	32.51	54.00	21.49	H	1.67



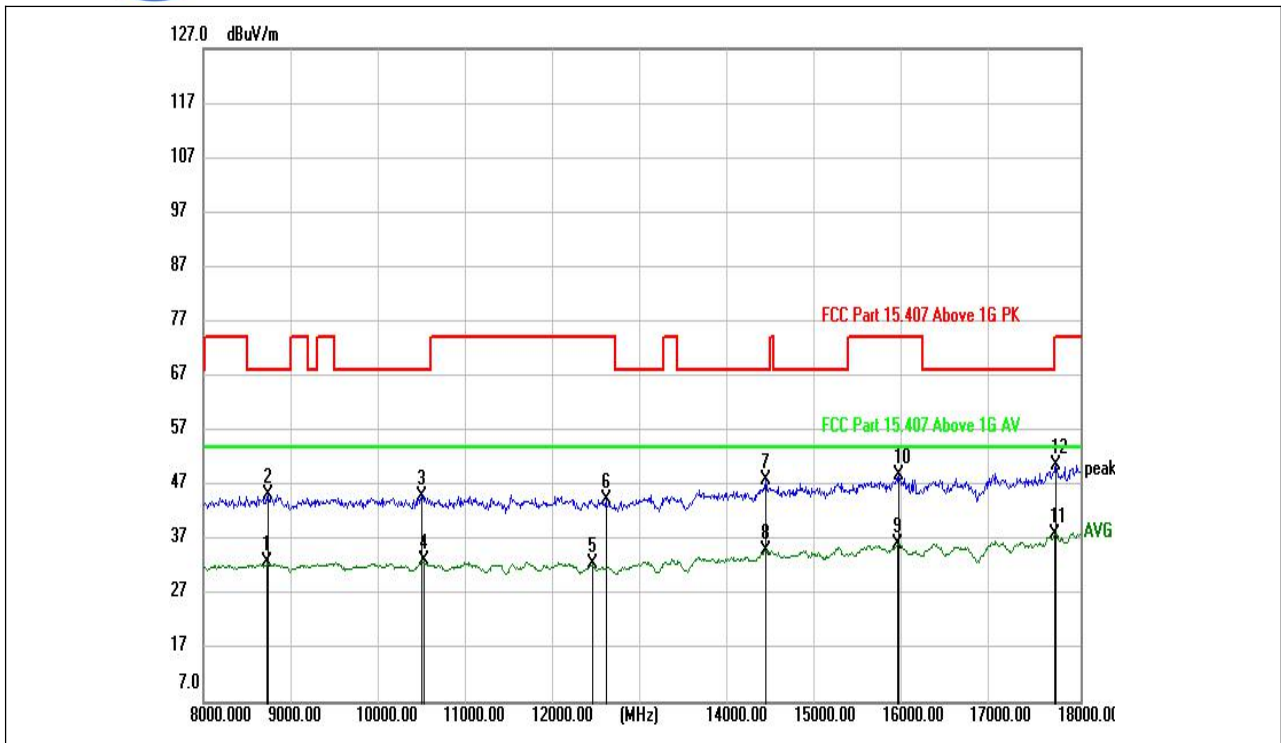
(802.11ac_5795MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
31.2893	33.80	---	40.00	6.20	V	12.02
40.5591	33.67	---	40.00	6.33	V	15.16
66.7325	32.31	---	40.00	7.69	V	12.80
101.2885	33.35	---	43.50	10.15	V	14.92
202.1005	32.66	---	43.50	10.84	V	13.95
480.5276	34.22	---	46.00	11.78	V	21.47



(802.11ac_5795MHz, Antenna Vertical, 1GHz to 8GHz)

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB/m)
1504.000	37.24	---	74.00	36.76	V	-11.68
1595.000	---	25.43	54.00	28.57	V	-12.03
2435.000	---	29.69	54.00	24.31	V	-9.66
2498.000	39.99	---	74.00	34.01	V	-8.43
3989.000	42.30	---	74.00	31.70	V	-3.92
3996.000	---	30.29	54.00	23.71	V	-3.60
6005.000	43.97	---	68.20	24.23	V	-1.72
6005.000	---	31.37	54.00	22.63	V	-1.72
6936.000	43.45	---	68.20	24.75	V	-1.60
6999.000	---	31.21	54.00	22.79	V	-1.50
7727.000	45.82	---	74.00	28.18	V	-1.72
7727.000	---	32.83	54.00	21.17	V	-1.72



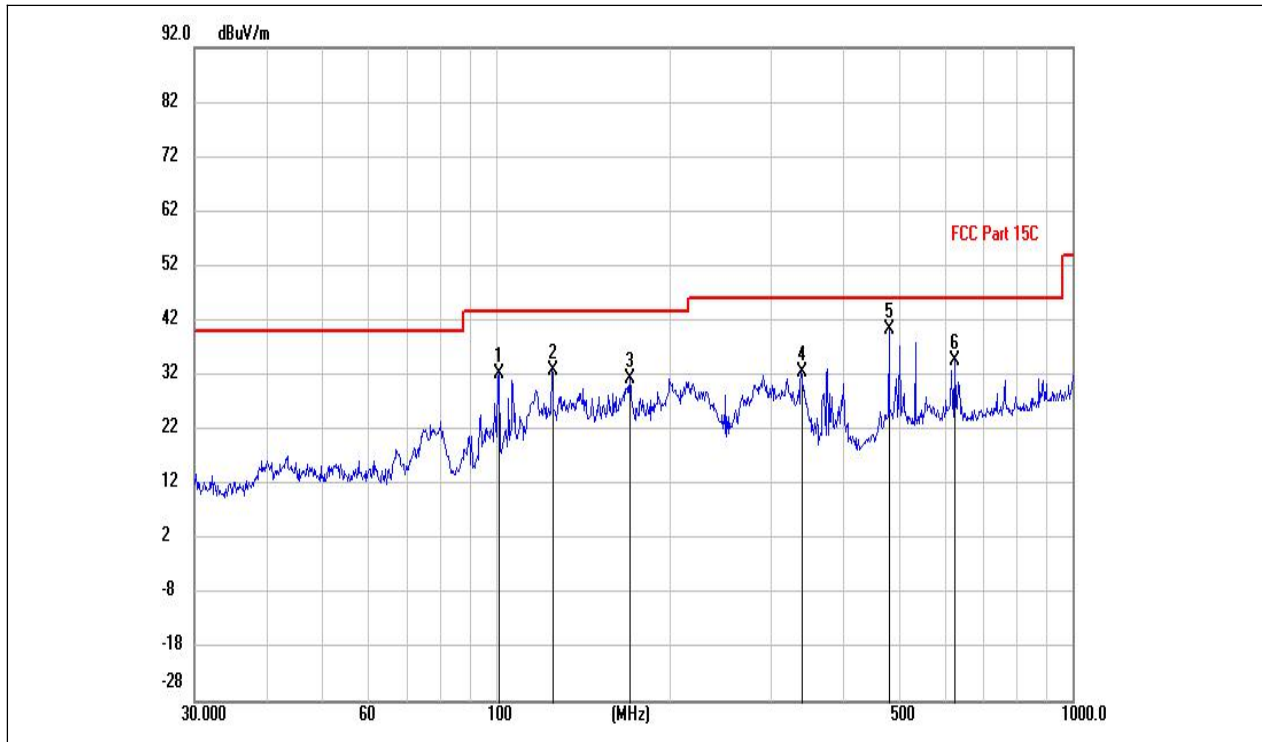
(802.11ac_5795MHz, Antenna Vertical, 8GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
8730.000	---	32.63	54.00	21.37	V	1.69
8740.000	45.10	---	68.20	23.10	V	1.67
10490.000	44.88	---	68.20	23.32	V	3.85
10510.000	---	32.99	54.00	21.01	V	3.87
12440.000	---	32.48	54.00	21.52	V	4.53
12590.000	44.33	---	74.00	29.67	V	4.54
14410.000	47.90	---	68.20	20.30	V	8.96
14410.000	---	34.96	54.00	19.04	V	8.96
15910.000	---	36.07	54.00	17.93	V	11.12
15930.000	48.71	---	74.00	25.29	V	11.26
17700.000	---	38.01	54.00	15.99	V	14.37
17720.000	50.44	---	74.00	23.56	V	14.57



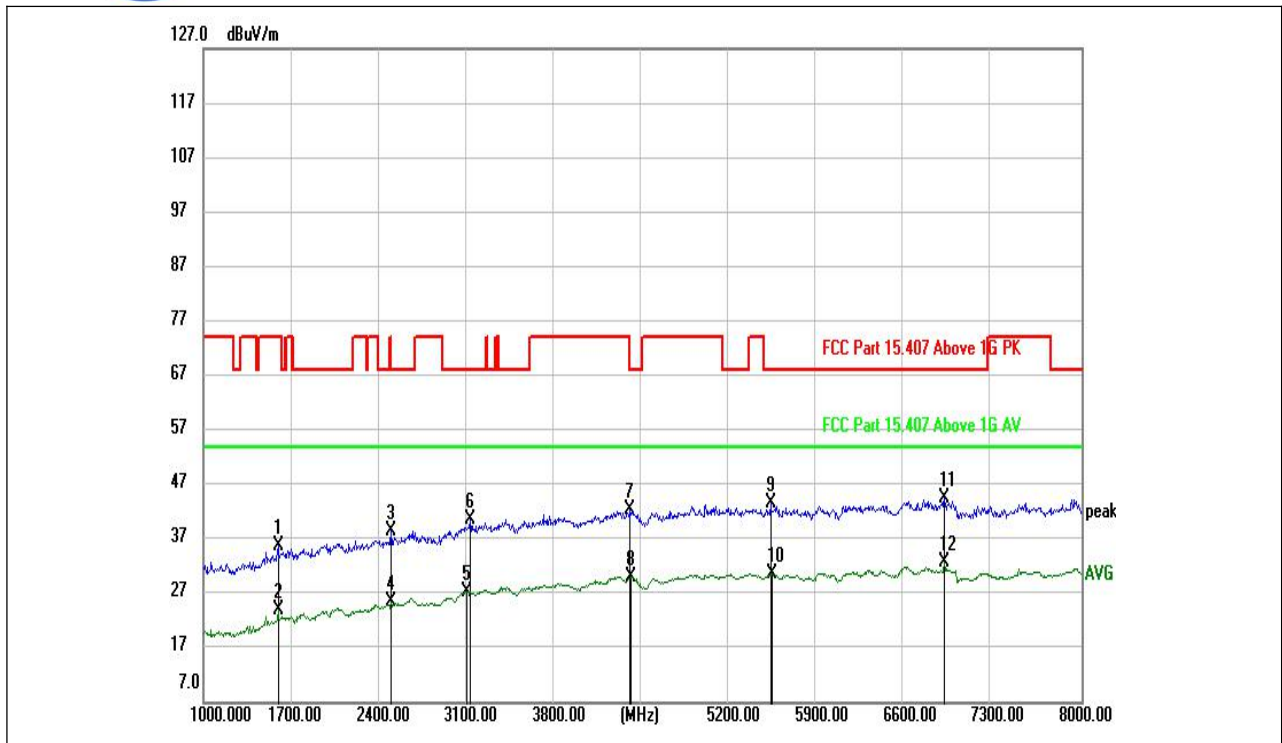
802.11ac (HT80) Test mode

Plot for Channel = 42



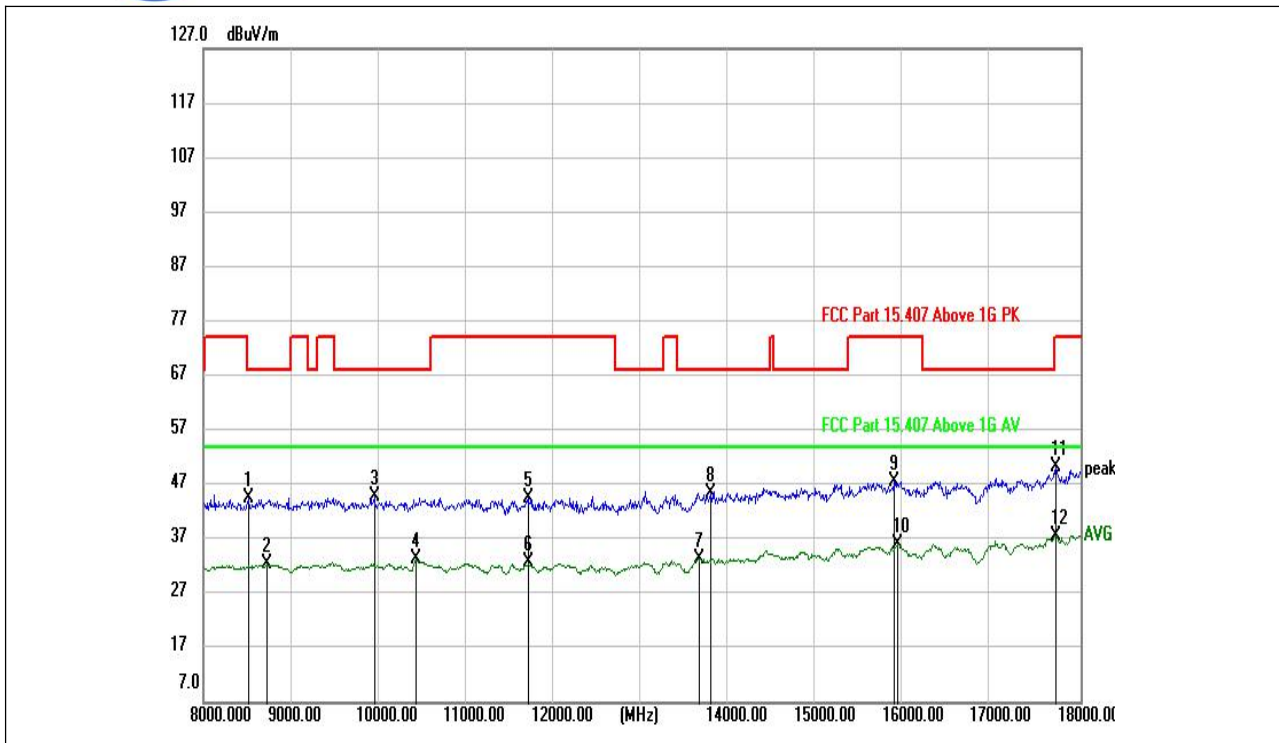
(802.11ac _5210MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBuV/m)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB/m)
101.2885	32.09	---	43.50	11.41	H	14.92
125.0066	32.68	---	43.50	10.82	H	11.12
170.7926	31.26	---	43.50	12.24	H	12.28
338.4001	32.34	---	46.00	13.66	H	18.02
480.5276	40.39	---	46.00	5.61	H	21.47
625.0780	34.48	---	46.00	11.52	H	23.84



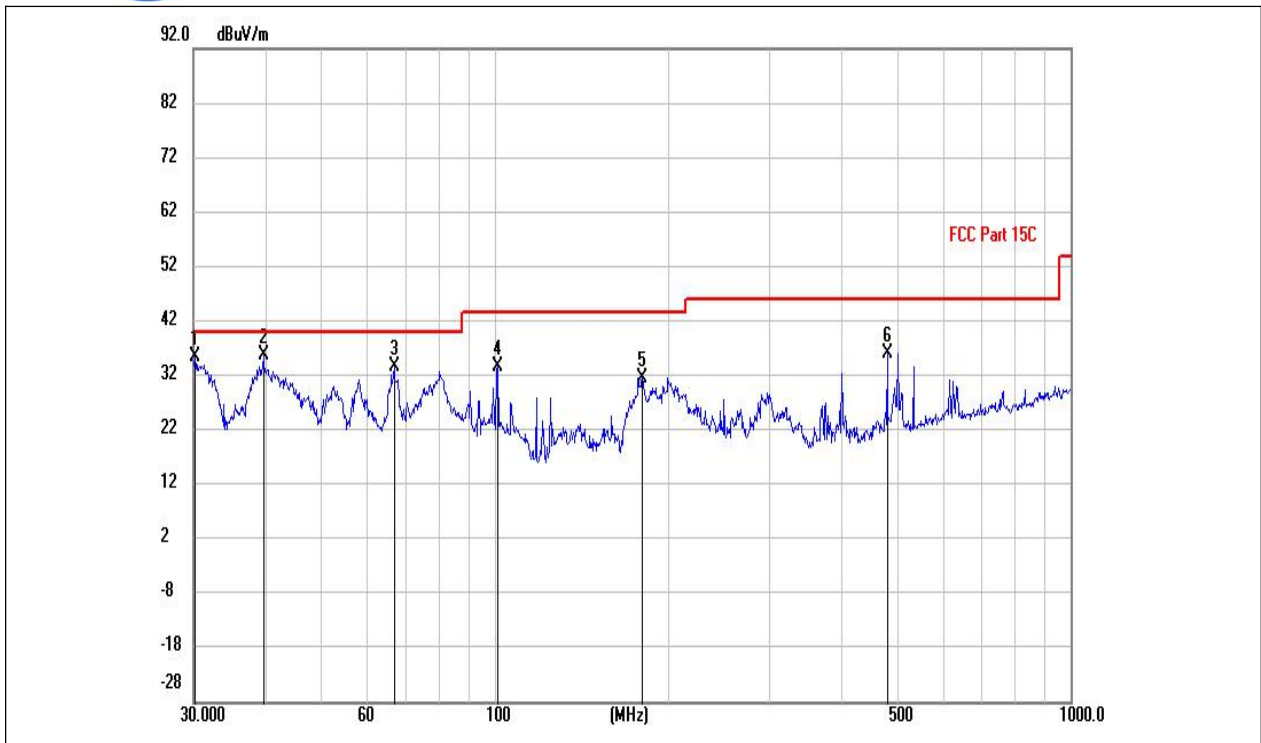
(802.11ac_5210MHz, Antenna Horizontal, 1GHz to 8GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1595.000	35.80	---	74.00	38.20	H	-14.54
1595.000	---	24.10	54.00	29.90	H	-14.54
2498.000	38.65	---	74.00	35.35	H	-11.31
2498.000	---	25.68	54.00	28.32	H	-11.31
3100.000	---	27.39	54.00	26.61	H	-7.88
3128.000	40.54	---	68.20	27.66	H	-7.80
4402.000	42.47	---	68.20	25.73	H	-4.23
4409.000	---	30.15	54.00	23.85	H	-4.22
5522.000	43.59	---	68.20	24.61	H	-2.87
5536.000	---	30.64	54.00	23.36	H	-2.62
6908.000	44.62	---	68.20	23.58	H	-1.25
6908.000	---	32.65	54.00	21.35	H	-1.25



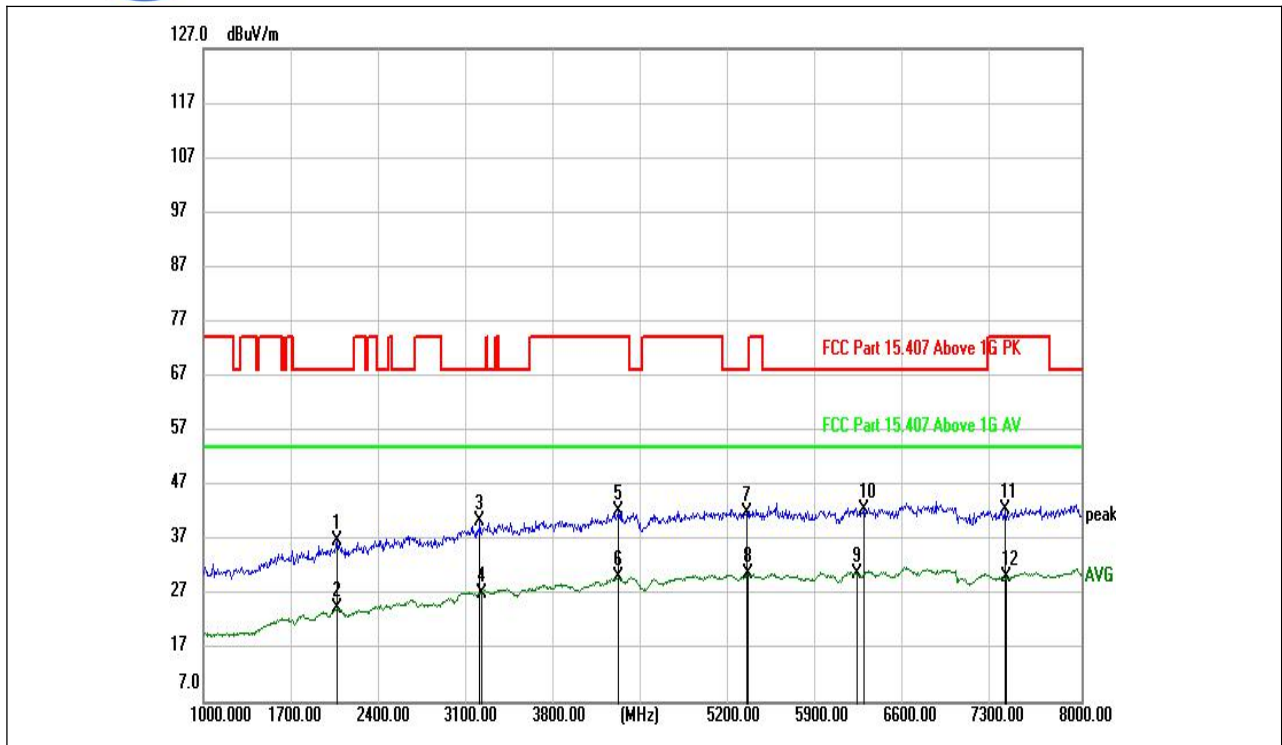
(802.11ac_5210MHz, Antenna Horizontal, 8GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
8520.000	44.41	---	68.20	23.79	H	1.28
8730.000	---	32.36	54.00	21.64	H	1.69
9950.000	44.89	---	68.20	23.31	H	2.27
10420.000	---	33.32	54.00	20.68	H	2.59
11700.000	44.50	---	74.00	29.50	H	3.95
11710.000	---	32.63	54.00	21.37	H	4.00
13650.000	---	33.50	54.00	20.50	H	7.21
13790.000	45.53	---	68.20	22.67	H	7.17
15870.000	47.41	---	74.00	26.59	H	11.02
15920.000	---	36.07	54.00	17.93	H	11.26
17720.000	50.22	---	74.00	23.78	H	14.57
17720.000	---	37.65	54.00	16.35	H	14.57



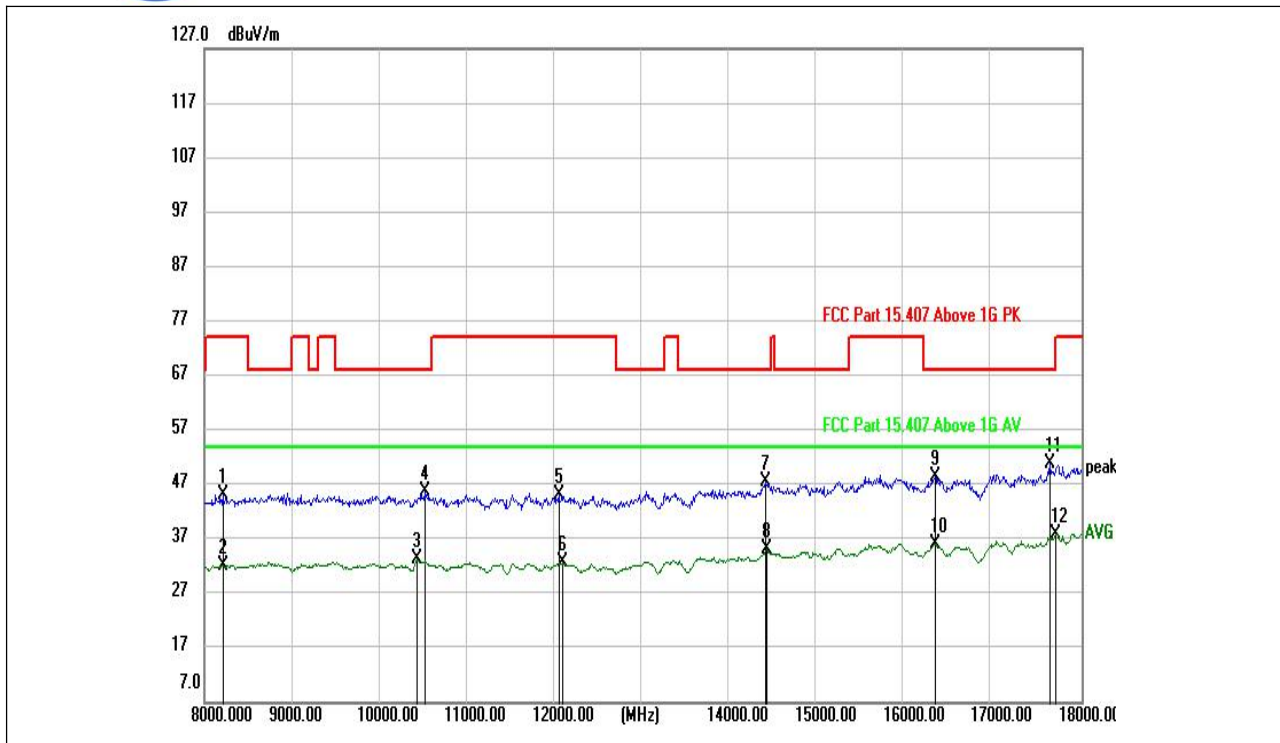
(802.11ac_5210MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
30.2111	35.47	---	40.00	4.53	V	13.52
39.7147	35.75	---	40.00	4.25	V	15.27
66.9669	33.56	---	40.00	6.44	V	12.73
101.2885	33.68	---	43.50	9.82	V	14.92
180.6488	31.55	---	43.50	11.95	V	12.73
480.5276	35.97	---	46.00	10.03	V	21.47



(802.11ac_5210MHz, Antenna Vertical, 1GHz to 8GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
2064.000	36.60	---	68.20	31.60	V	-11.69
2064.000	---	24.38	54.00	29.62	V	-11.69
3205.000	40.41	---	68.20	27.79	V	-7.70
3219.000	---	27.14	54.00	26.86	V	-7.56
4311.000	42.23	---	74.00	31.77	V	-3.54
4311.000	---	30.18	54.00	23.82	V	-3.54
5333.000	41.82	---	68.20	26.38	V	-2.80
5340.000	---	30.72	54.00	23.28	V	-2.78
6208.000	---	30.63	54.00	23.37	V	-2.19
6264.000	42.37	---	68.20	25.83	V	-1.91
7391.000	42.54	---	74.00	31.46	V	-0.76
7405.000	---	29.96	54.00	24.04	V	-0.86

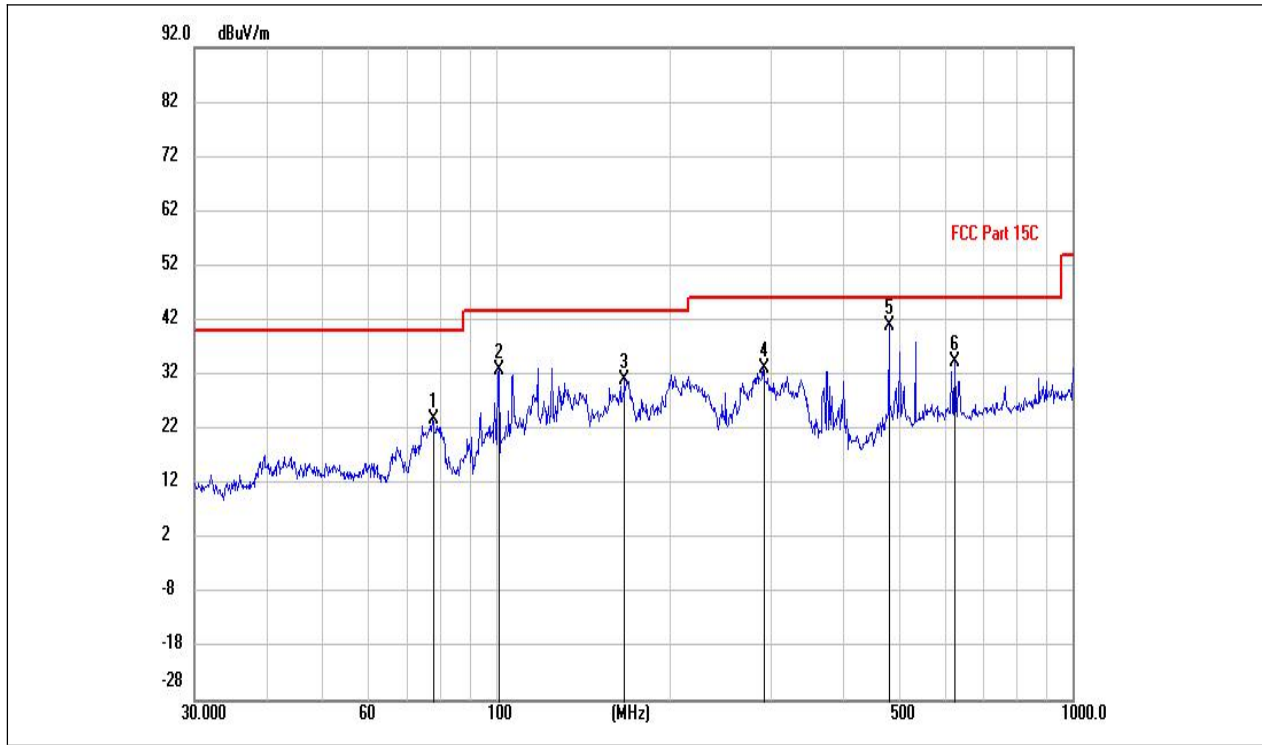


(802.11ac_5210MHz, Antenna Vertical, 8GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
8210.000	45.13	---	74.00	28.87	V	1.51
8210.000	---	32.32	54.00	21.68	V	1.51
10420.000	---	33.32	54.00	20.68	V	2.75
10510.000	45.78	---	68.20	22.42	V	3.87
12040.000	45.02	---	74.00	28.98	V	5.04
12080.000	---	32.68	54.00	21.32	V	4.71
14400.000	47.62	---	68.20	20.58	V	8.98
14410.000	---	35.16	54.00	18.84	V	8.96
16330.000	48.31	---	68.20	19.89	V	11.33
16330.000	---	36.13	54.00	17.87	V	11.33
17640.000	50.82	---	68.20	17.38	V	13.72
17700.000	---	37.92	54.00	16.08	V	14.37

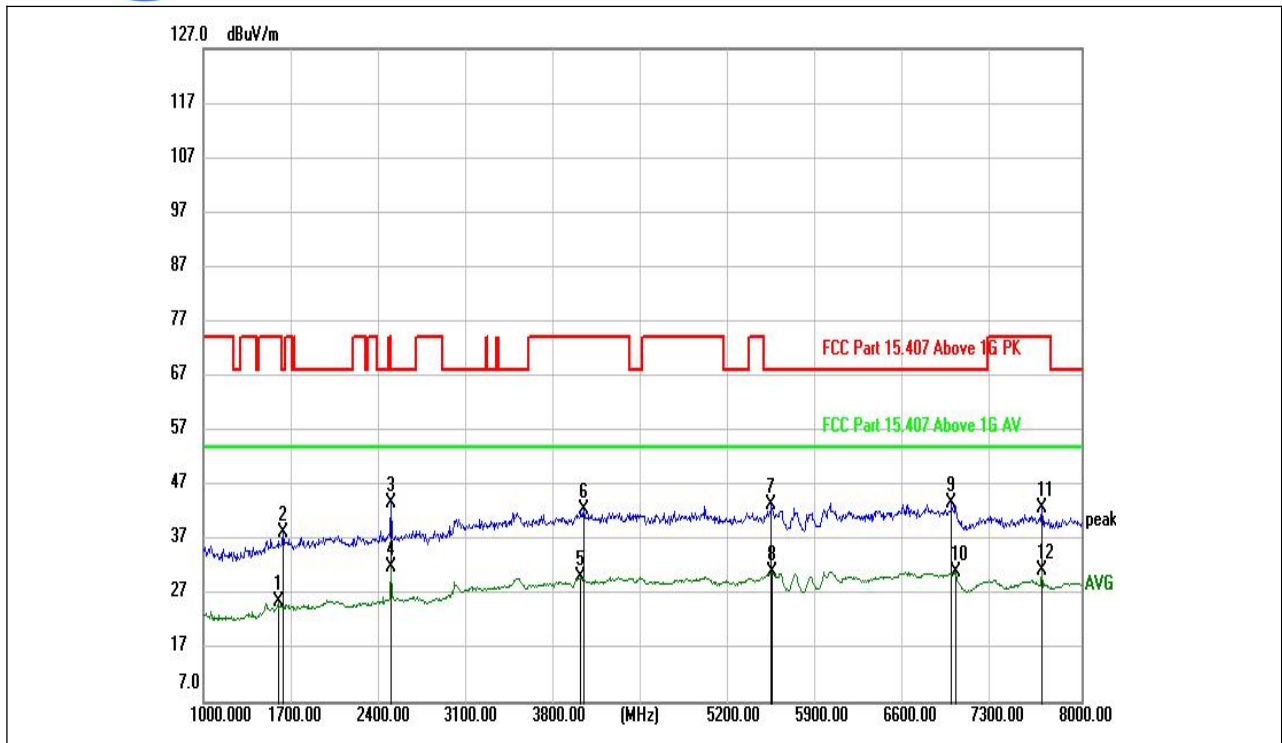


Plots for Channel = 155



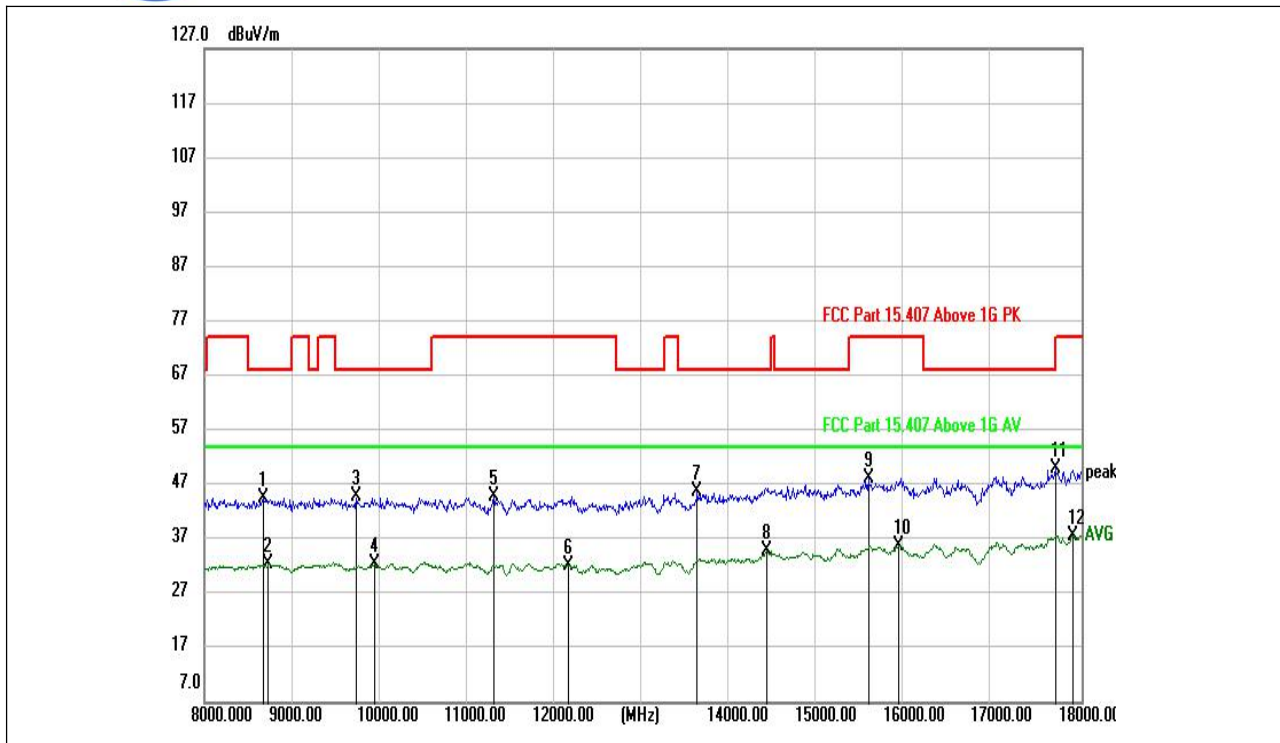
(802.11ac _5775MHz, Antenna Horizontal, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
77.5928	23.57	---	40.00	16.43	H	9.51
101.2885	32.83	---	43.50	10.67	H	14.92
167.2368	30.92	---	43.50	12.58	H	11.68
291.0360	33.20	---	46.00	12.80	H	15.83
480.5276	40.75	---	46.00	5.25	H	21.47
625.0780	34.14	---	46.00	11.86	H	23.84



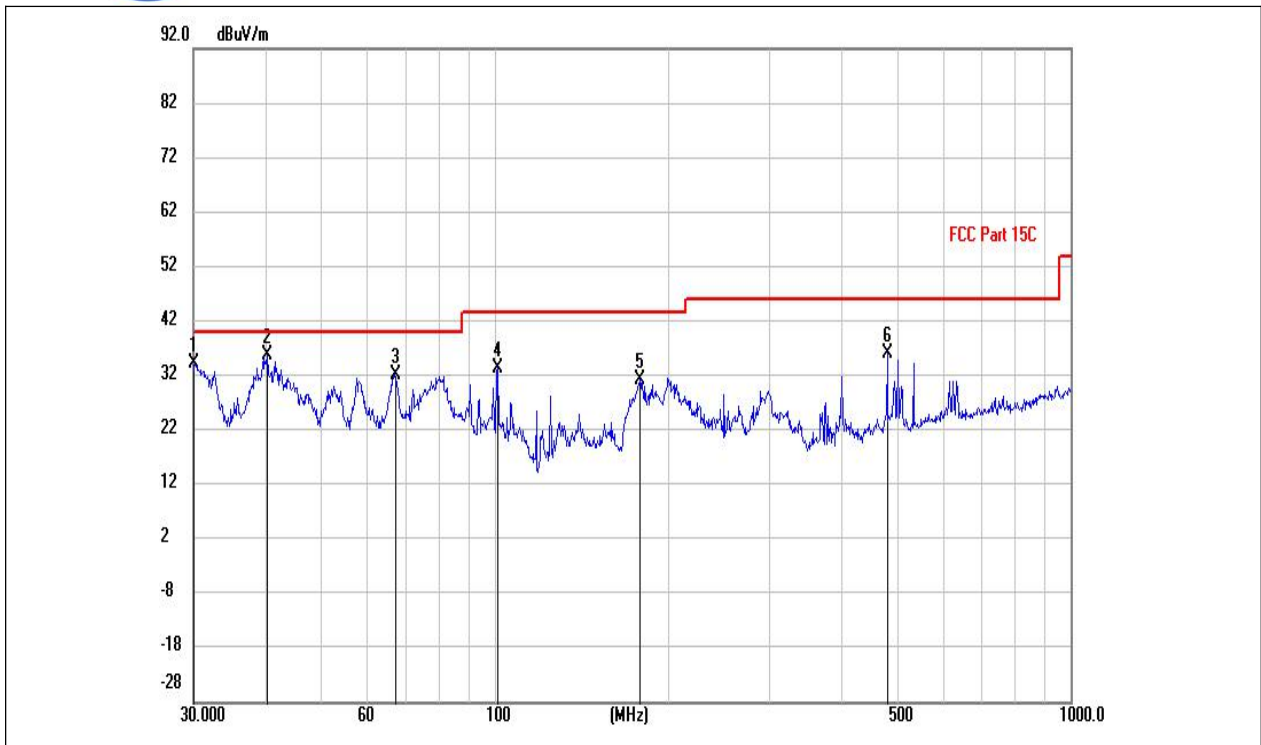
(802.11ac_5775MHz, Antenna Horizontal, 1GHz to 8GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1595.000	---	25.54	54.00	28.46	H	-12.03
1637.000	38.12		68.20	30.08	H	-11.97
2498.000	43.76	---	74.00	30.24	H	-10.11
2498.000	---	31.96	54.00	22.04	H	-10.11
4010.000	---	29.96	54.00	24.04	H	-5.67
4031.000	42.53	---	74.00	31.47	H	-4.84
5529.000	43.42	---	68.20	24.78	H	-3.77
5536.000	---	30.92	54.00	23.08	H	-3.63
6964.000	43.72	---	68.20	24.48	H	-1.61
6999.000	---	31.05	54.00	22.95	H	-1.60
7685.000	42.79	---	74.00	31.21	H	-1.58
7685.000	---	31.40	54.00	22.60	H	-1.58



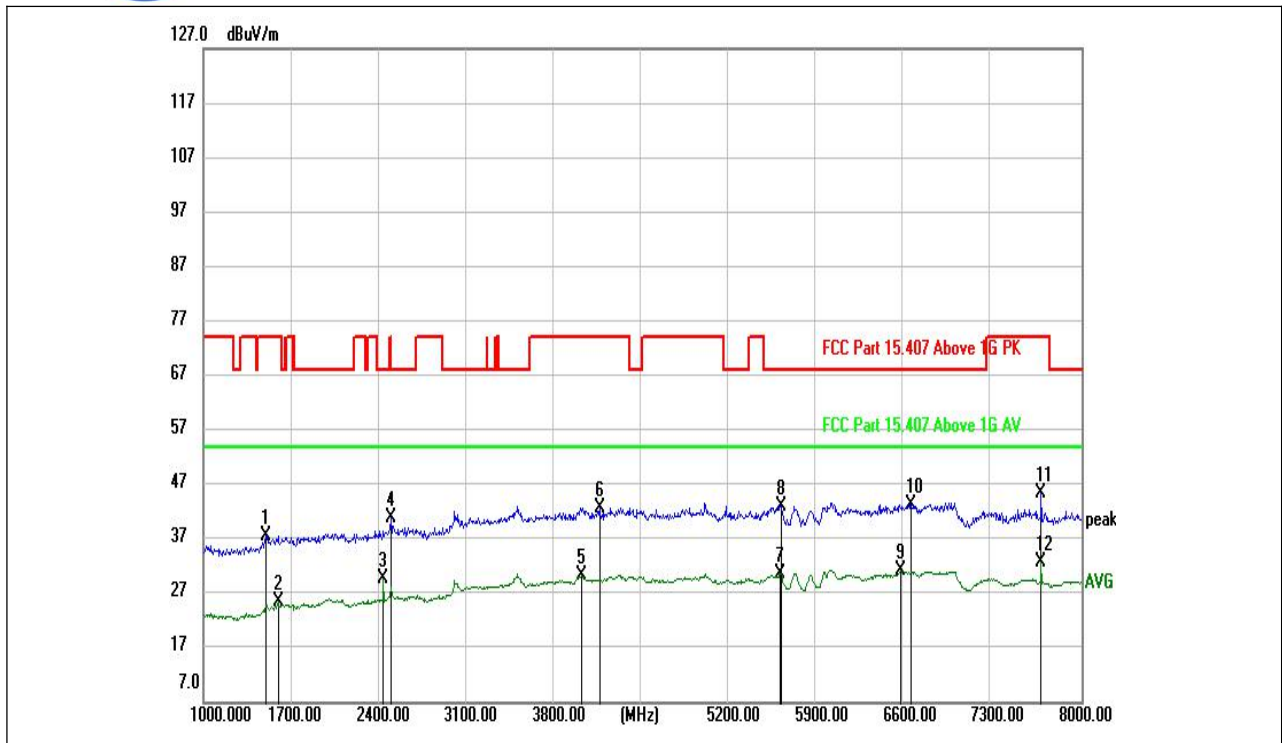
(802.11ac_5775MHz, Antenna Horizontal, 8GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
8670.000	44.44	---	68.20	23.76	H	1.59
8730.000	---	32.46	54.00	21.54	H	1.69
9730.000	44.69	---	68.20	23.51	H	2.18
9940.000	---	32.36	54.00	21.64	H	2.27
11300.000	44.72	---	74.00	29.28	H	3.51
12150.000	---	32.29	54.00	21.71	H	4.29
13620.000	45.64	---	68.20	22.56	H	6.91
14410.000	---	34.83	54.00	19.17	H	8.84
15570.000	48.06	---	74.00	25.94	H	10.78
15910.000	---	35.86	54.00	18.14	H	11.18
17700.000	50.05	---	68.20	18.15	H	14.37
17900.000	---	37.69	54.00	16.31	H	15.01



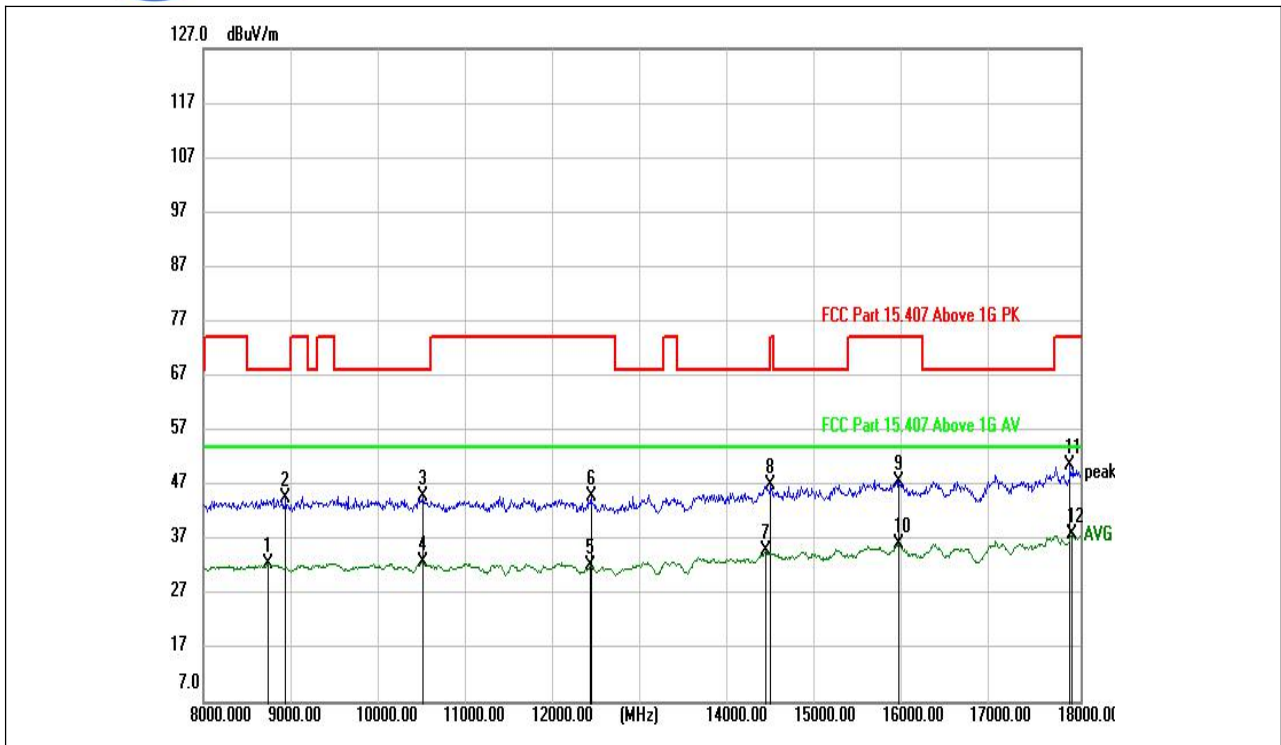
(802.11ac_5775MHz, Antenna Vertical, 30MHz to 1GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
30.0000	34.38	---	40.00	5.62	V	13.90
40.2757	35.63	---	40.00	4.37	V	15.43
67.2022	32.11	---	40.00	7.89	V	12.67
101.2885	33.44	---	43.50	10.06	V	14.92
178.7584	31.39	---	43.50	12.11	V	12.45
480.5276	36.08	---	46.00	9.92	V	21.47



(802.11ac_5775MHz, Antenna Vertical, 1GHz to 8GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
1497.000	37.62	---	74.00	36.38	V	-11.69
1595.000	---	25.59	54.00	28.41	V	-12.03
2435.000	---	29.65	54.00	24.35	V	-9.66
2498.000	40.93	---	74.00	33.07	V	-8.43
4017.000	---	30.32	54.00	23.68	V	-3.58
4157.000	42.75	---	74.00	31.25	V	-4.48
5599.000	---	30.78	54.00	23.22	V	-2.69
5606.000	43.01	---	68.20	25.19	V	-2.70
6558.000	---	31.26	54.00	22.74	V	-2.01
6642.000	43.31	---	68.20	24.89	V	-1.57
7678.000	45.39	---	74.00	28.61	V	-1.54
7678.000	---	32.76	54.00	21.24	V	-1.54



(802.11ac_5775MHz, Antenna Vertical, 8GHz to 18GHz)

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
8740.000	---	32.49	54.00	21.51	V	1.67
8940.000	44.49	---	68.20	23.71	V	1.40
10500.000	44.87	---	68.20	23.33	V	3.99
10500.000	---	32.87	54.00	21.13	V	3.99
12410.000	---	32.14	54.00	21.86	V	4.36
12420.000	44.69	---	74.00	29.31	V	4.42
14410.000	---	34.82	54.00	19.18	V	8.96
14470.000	46.97	---	68.20	21.23	V	9.00
15930.000	47.67	---	74.00	26.33	V	11.26
15930.000	---	36.01	54.00	17.99	V	11.26
17880.000	50.56	---	74.00	23.44	V	15.81
17900.000	---	37.79	54.00	16.21	V	15.46



2.9. Automatically discontinue transmission requirement

2.9.1. Requirement

According to 15.407(c), the device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signalling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met

2.9.2. Result

The EUT will automatically discontinue transmission in case of either absence of information to transmit or operational failure.



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	$\pm 5\%$
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

Laboratory Name:	Kehu-Morlab Test Laboratory
Laboratory Address:	Unit 101, No.1732 Gangzhong Road, Xiamen Area, Pilot Free Trade Zone (Fujian) 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-18 -26-S-20	Seibersdorf	2019.01.12	2020.01.11
7	Ultra-Wideband Horn Antenna	17989	QSH-26-40	Schwarzbeck	2019.01.12	2020.01.11
8	RF Switch and Control Platform	N/A	RSC	CDSI	N/A	N/A
9	Coaxial cable (N male) (9kHz -3GHz)	EMC02	N/A	Morlab	2019.01.04	2020.01.03
10	Coaxial cable (N male) (9kHz -3GHz)	EMC03	N/A	Morlab	2019.01.04	2020.01.03
11	Coaxial cable (N male) (1GHz-26.5GHz)	EMC04	N/A	Morlab	2019.01.04	2020.01.03
12	Coaxial cable (N male)	EMC05	N/A	Morlab	2019.01.04	2020.01.03



	(1GHz-26.5GHz)					
13	Pre-amplifier (1GHz-18GHz)	8810011	PAP-1G18	CDSI	2019.01.04	2020.01.03
14	Pre-amplifier (18GHz-40GHz)	17021-1702 4	PAP-1840	CDSI	2019.01.29	2020.01.28
15	Band stop Filter	EMC23	BJF5150/53 50-50	CDSI	2019.01.04	2020.01.03
16	Band stop Filter	EMC25	BJF5725/58 50-50	CDSI	2019.01.04	2020.01.03
17	High Pass Filter	EMC26	HFP-8.0/18 G-60	CDSI	2019.01.04	2020.01.03

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