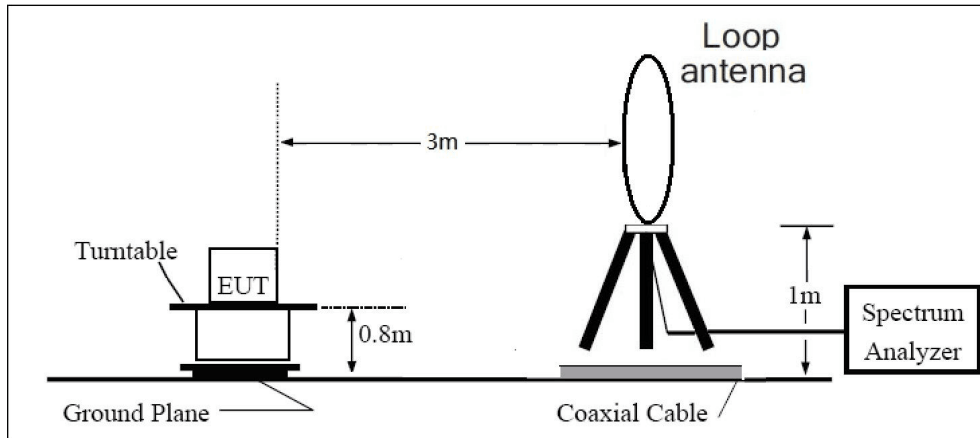
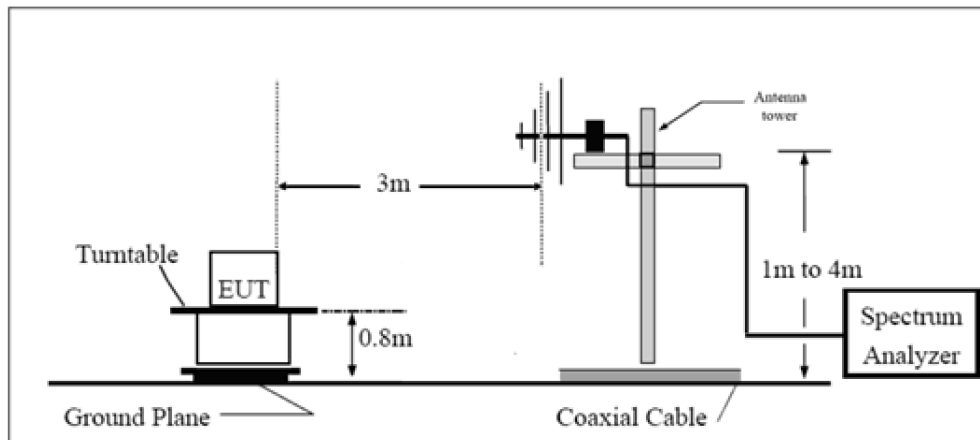


Test setup

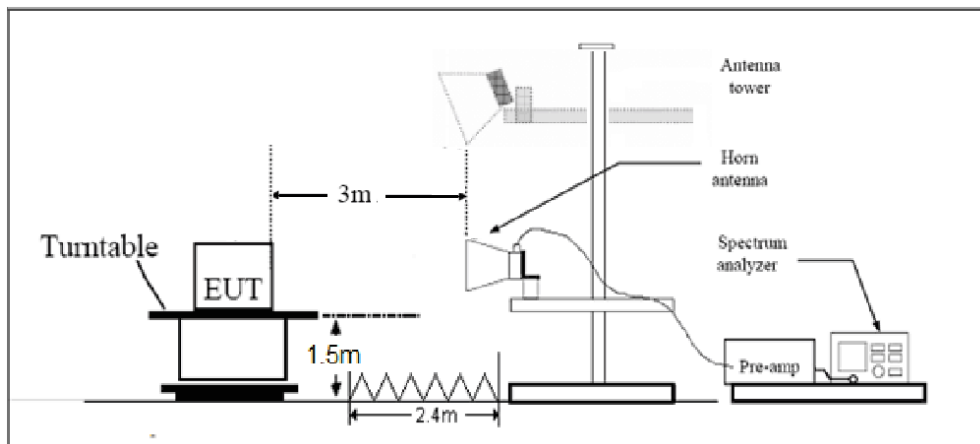
9KHz~ 30MHz



30MHz~ 1GHz



Above 1GHz



Note: Area side:2.4mX3.6m

**Limits**

- (1) For transmitters operating in the 5725-5850 MHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
- (2) 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 e.i.r.p. of -27 dBm/MHz(68.2dBμV/m).
- (3) 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 e.i.r.p. of -27 dBm/MHz(68.2dBμV/m).
- (4) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz(68.2dBμV/m).

Note: the following formula is used to convert the EIRP to field strength

§1、  $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] - 20 \log(d[\text{meters}]) + 104.77$ , where E = field strength and

d = distance at which field strength limit is specified in the rules;

§2、  $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] + 95.2$ , for d = 3 meters

- (5) Unwanted spurious emissions fallen in restricted bands per FCC Part15.205 shall comply with the general field strength limits set forth in § 15.209 as below table.

Frequency of emission (MHz)	Field strength(μV/m)	Field strength(dBμV/m)
0.009–0.490	2400/F(kHz)	/
0.490–1.705	24000/F(kHz)	/
1.705–30.0	30	/
30-88	100	40
88-216	150	43.5
216-960	200	46
Above960	500	54

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
<sup>1</sup> 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	( <sup>2</sup> )
13.36 - 13.41			

### Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor  $k = 1.96$ .

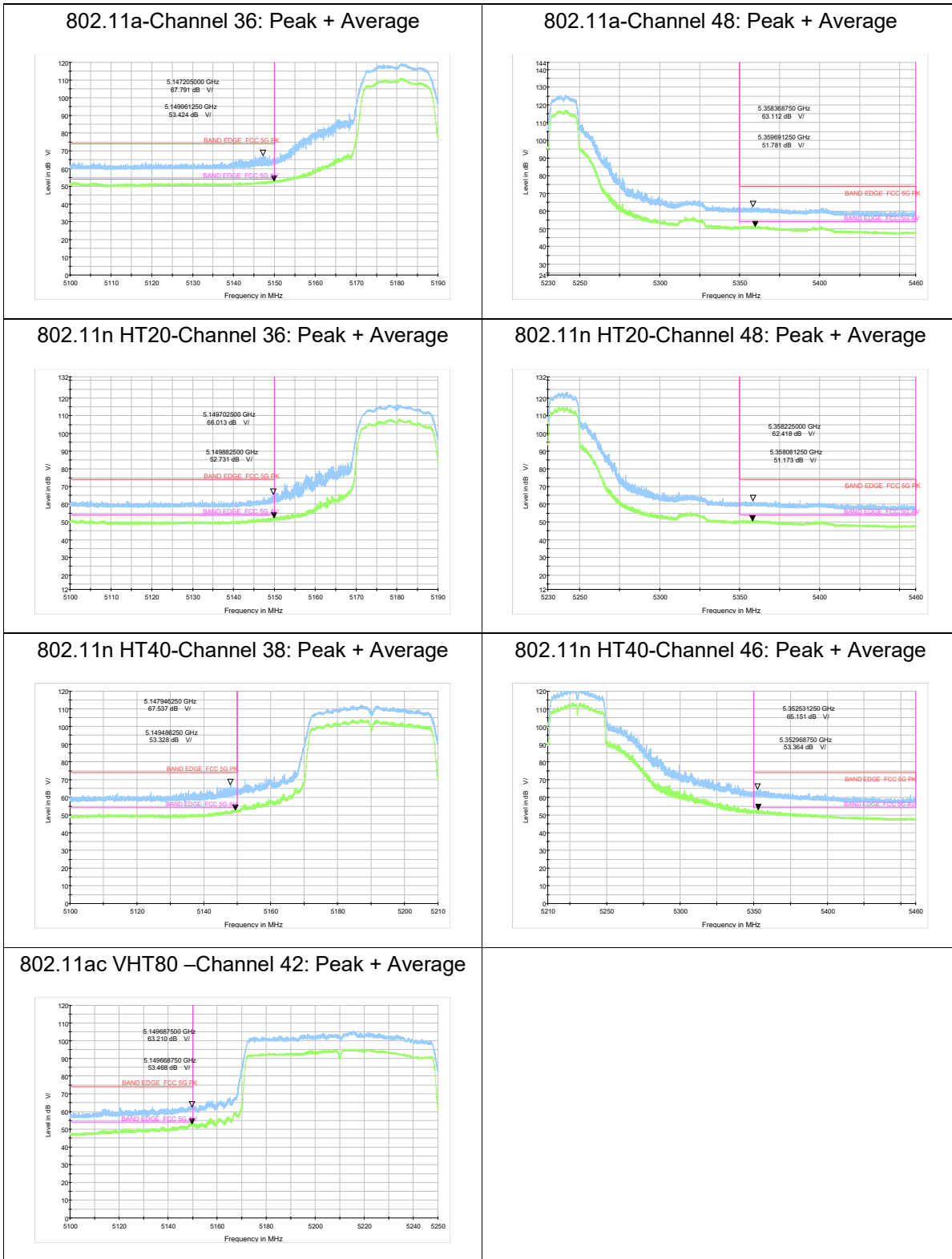
Frequency	Uncertainty
9KHz-30MHz	3.55 dB
30MHz-200MHz	4.17 dB
200MHz-1GHz	4.84 dB
1-18GHz	4.35 dB
18-26.5GHz	5.90 dB
26.5GHz~40GHz	5.92 dB

**Test Results:**

A symbol ( $\text{dB } \mu\text{V}$ ) in the test plot below means ( $\text{dB}\mu\text{V/m}$ )

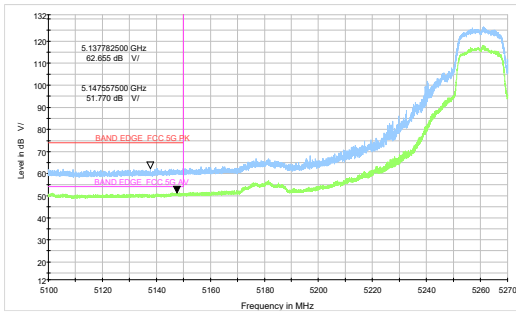
**The signal beyond the limit is carrier.**

**U-NII-1**

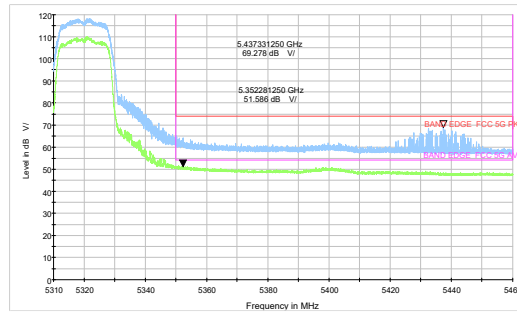


U-NII-2A

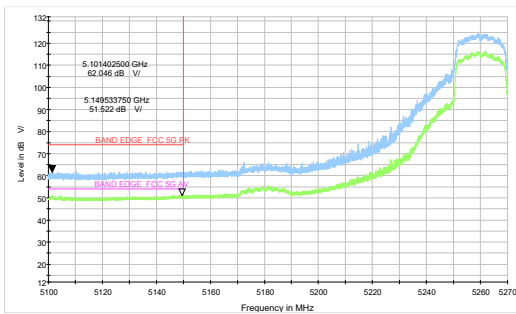
802.11a-Channel 52: Peak + Average



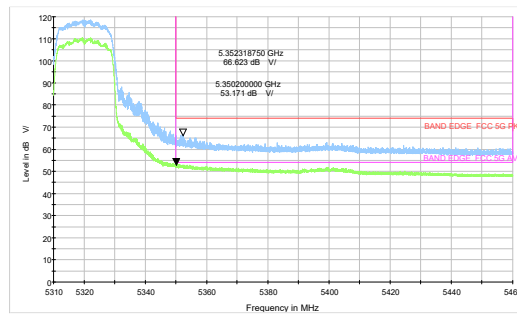
802.11a-Channel 64: Peak + Average



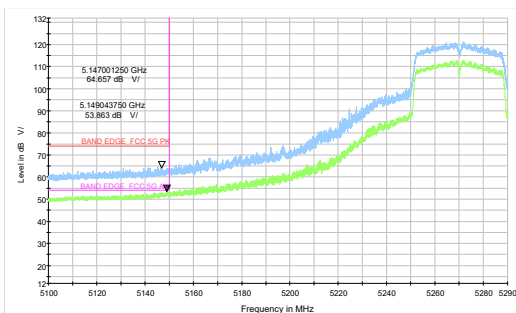
802.11n HT20-Channel 52: Peak + Average



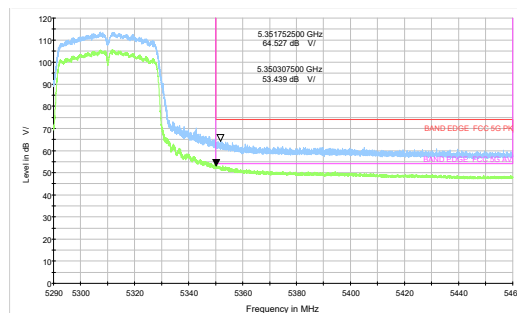
802.11n HT20-Channel 64: Peak + Average



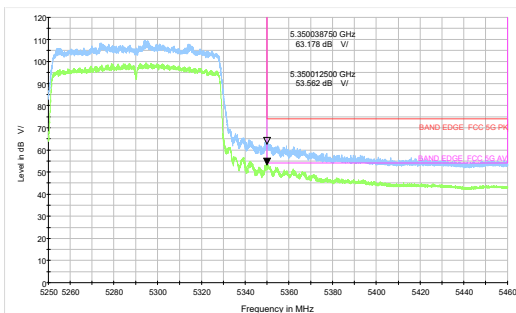
802.11n HT40-Channel 54: Peak + Average



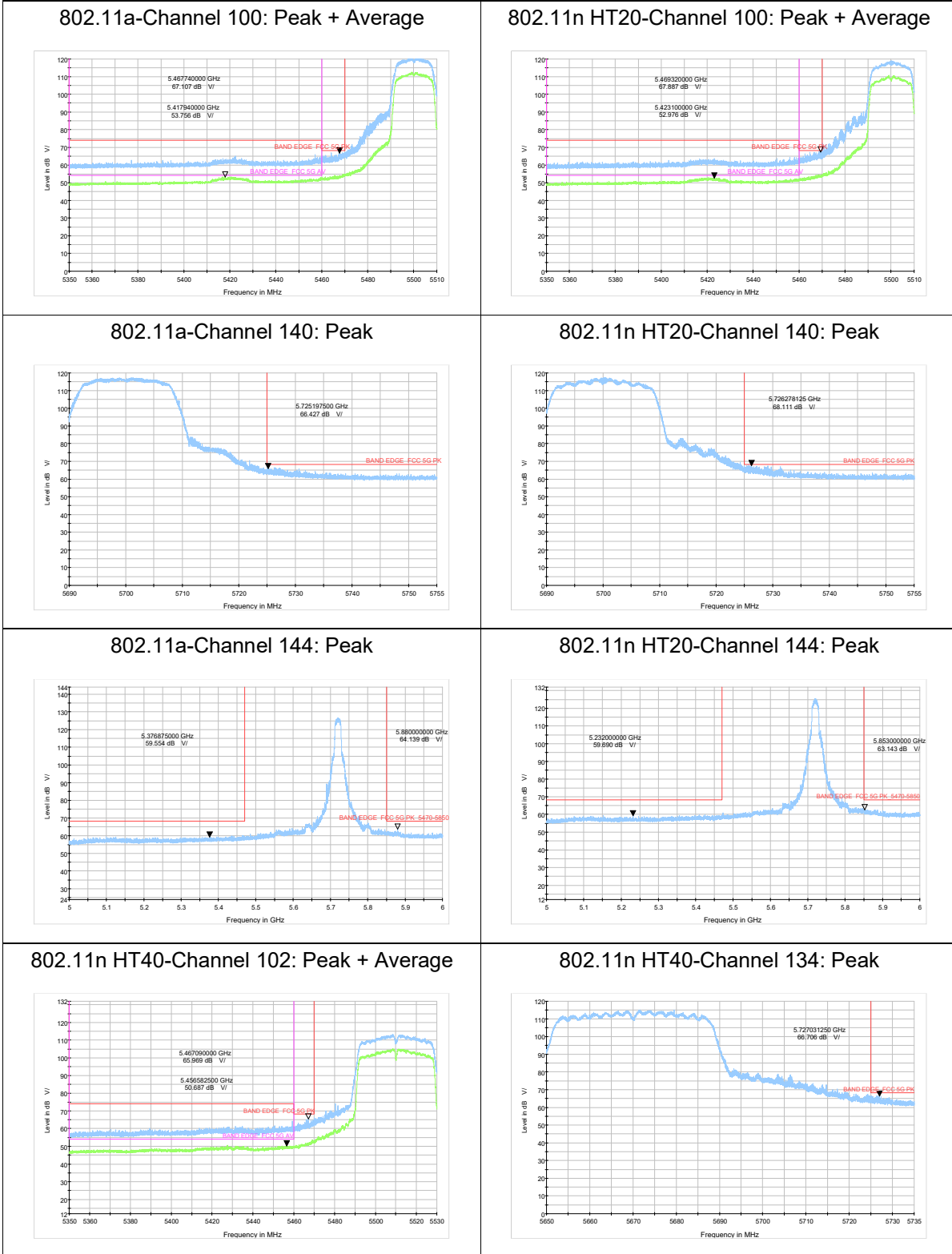
802.11n HT40-Channel 62: Peak + Average



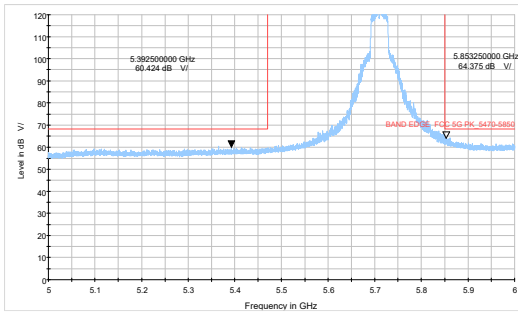
802.11ac VHT80 -Channel 58: Peak + Average



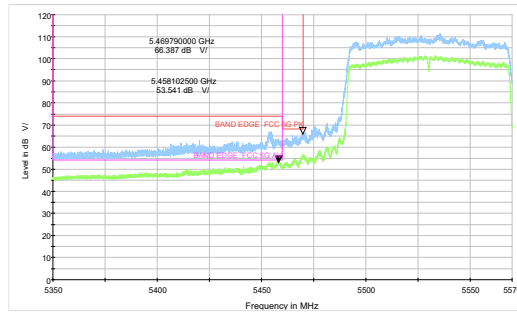
U-NII-2C



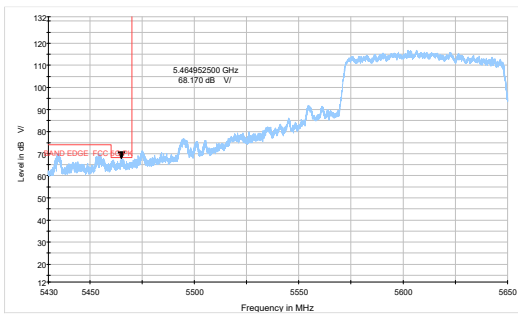
802.11n HT40-Channel 142: Peak



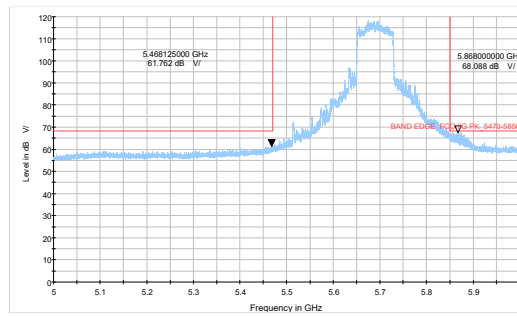
802.11ac VHT80-Channel 106: Peak + Average



802.11ax HE80-Channel 122: Peak

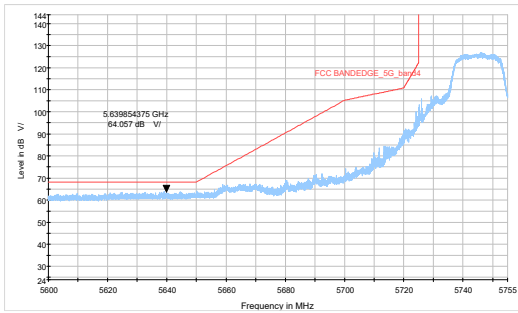


802.11ax HE80-Channel 138: Peak

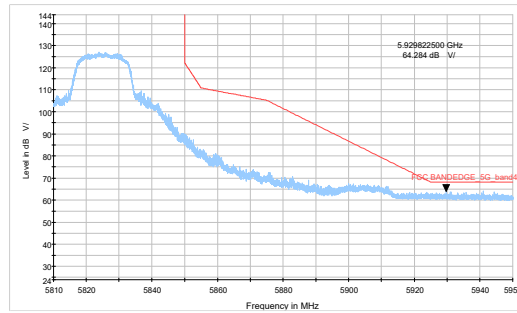


U-NII-3

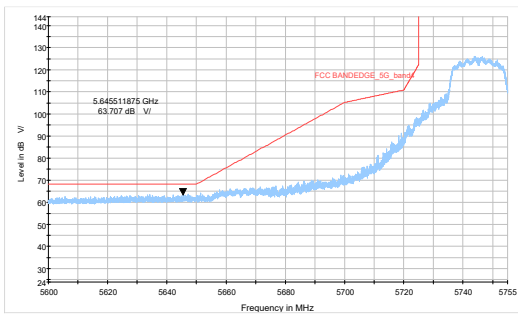
802.11a-Channel 149: Peak



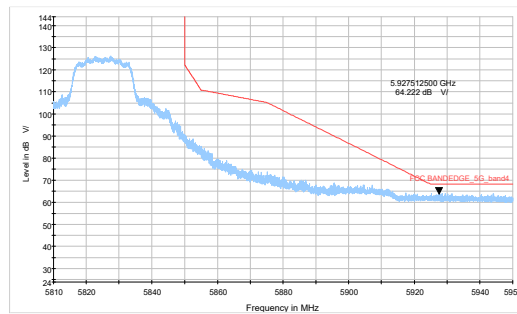
802.11a-Channel 165: Peak



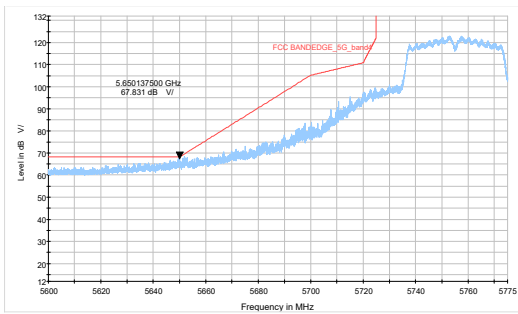
802.11n HT20-Channel 149: Peak



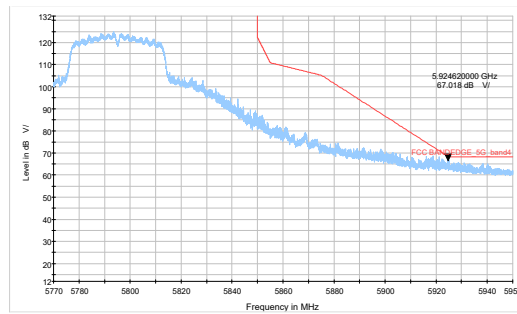
802.11n HT20-Channel 165: Peak



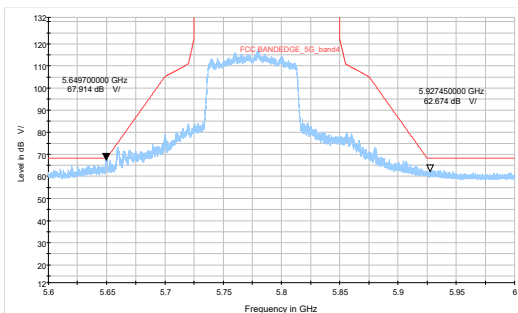
802.11n HT40-Channel 151: Peak



802.11n HT40-Channel 159: Peak



802.11ac VHT80- Channel 155: Peak





**Result of RE**

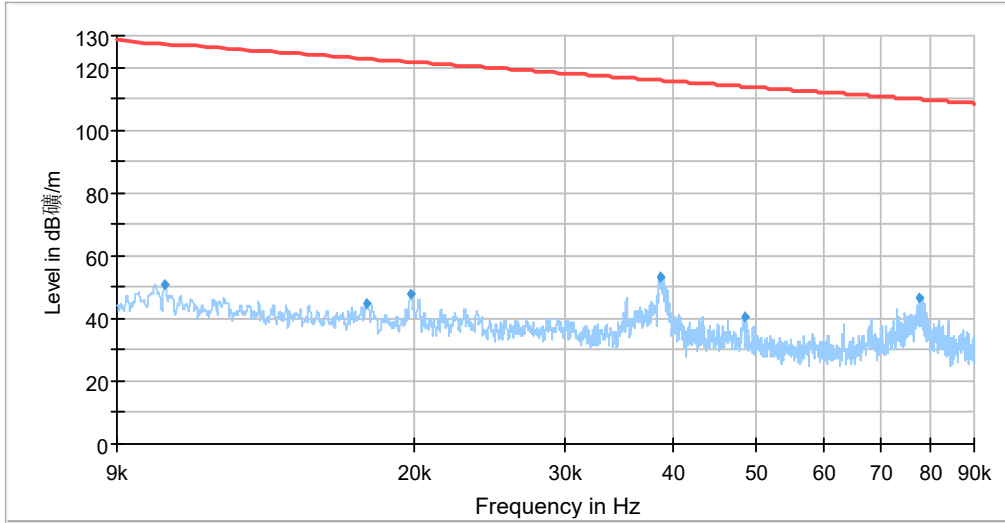
**Test result**

A symbol (dB $\mu$ V/m) in the test plot below means (dB $\mu$ V/m)

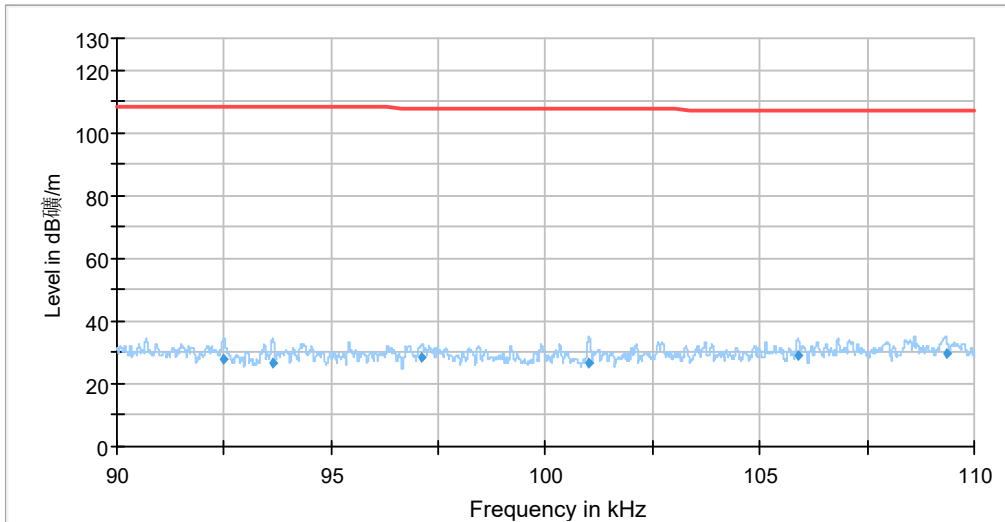
A symbol (dB $\mu$ V/m) in the test plot below means (dB $\mu$ V/m)

During the test, the Radiates Emission from 9kHz to 1GHz was performed in all modes with all channels, 802.11a, Channel 60 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

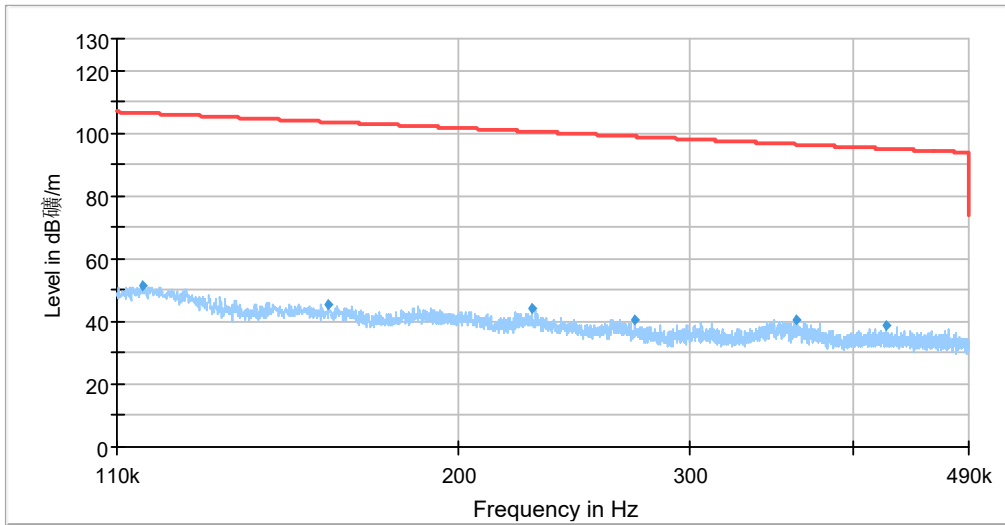
**Continuous TX mode:**



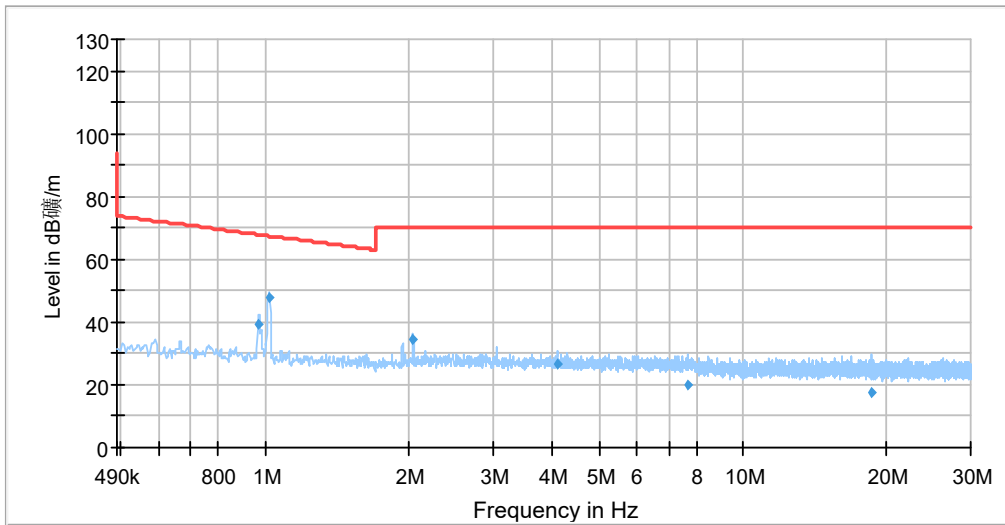
Radiates Emission from 9kHz to 90kHz



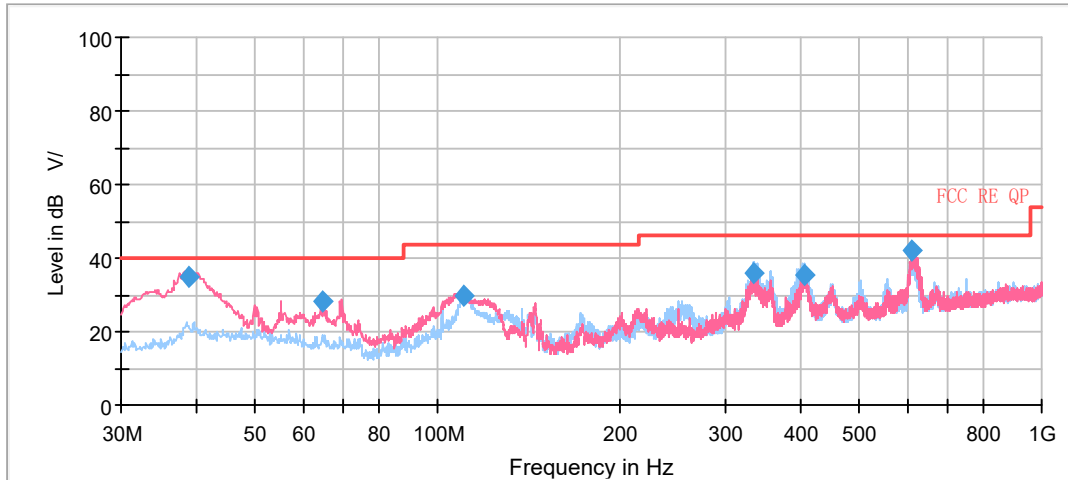
Radiates Emission from 90kHz to 110kHz



Radiates Emission from 110kHz to 490kHz



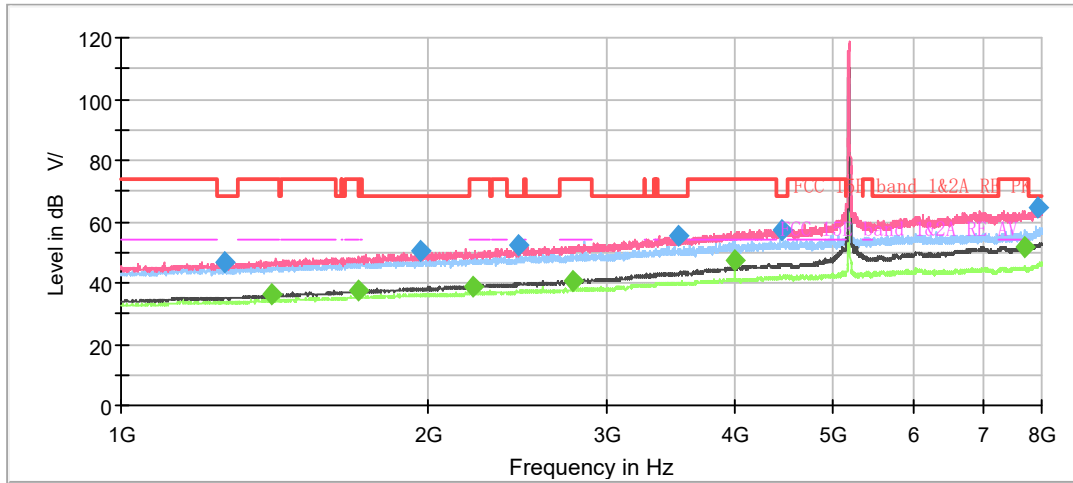
Radiates Emission from 490kHz to 30MHz



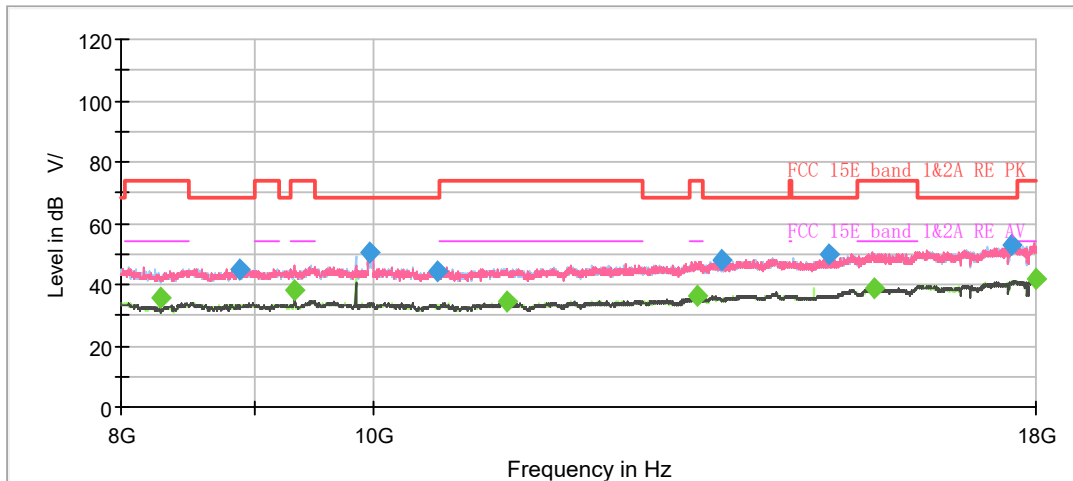
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
38.932500	34.80	40.00	5.20	100.0	V	117.0	19.5
64.798750	28.12	40.00	11.88	100.0	V	34.0	18.1
110.787500	29.51	43.50	13.99	225.0	H	252.0	18.5
334.337500	36.15	46.00	9.85	100.0	H	285.0	21.9
405.760000	35.14	46.00	10.86	100.0	H	194.0	23.5
611.885000	41.98	46.00	4.02	175.0	V	195.0	27.2

Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)  
 2. Margin = Limit – Quasi-Peak



Radiates Emission from 1GHz to 8GHz  
Note: The signal beyond the limit is carrier.



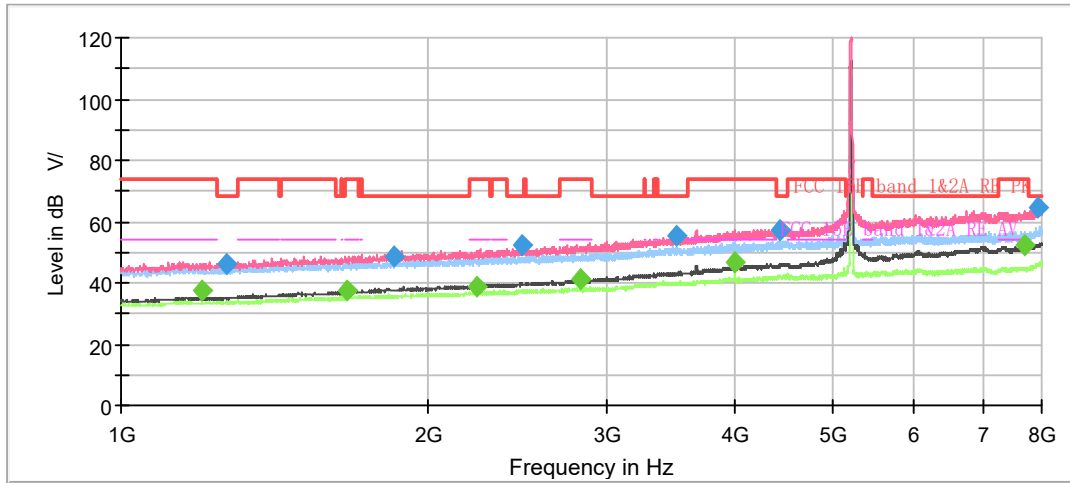
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1266.000000	46.74	---	68.20	21.46	500.0	100.0	V	155.0	3.2
1403.375000	---	36.18	54.00	17.82	500.0	200.0	V	187.0	4.0
1708.750000	---	37.57	54.00	16.43	500.0	100.0	V	203.0	5.4
1962.500000	50.32	---	68.20	17.88	500.0	100.0	V	348.0	6.4
2212.750000	---	38.61	54.00	15.39	500.0	200.0	V	114.0	7.3
2456.000000	52.07	---	68.20	16.13	500.0	200.0	V	120.0	8.1
2778.875000	---	40.91	54.00	13.09	500.0	100.0	V	136.0	8.9
3515.625000	55.37	---	68.20	12.83	500.0	100.0	V	305.0	11.1
3998.625000	---	47.35	54.00	6.65	500.0	100.0	V	323.0	12.2
4444.875000	57.33	---	68.20	10.87	500.0	200.0	V	181.0	13.1
7689.375000	---	51.97	54.00	2.03	500.0	100.0	V	229.0	18.8
7930.875000	64.39	---	68.20	3.81	500.0	200.0	V	58.0	19.6

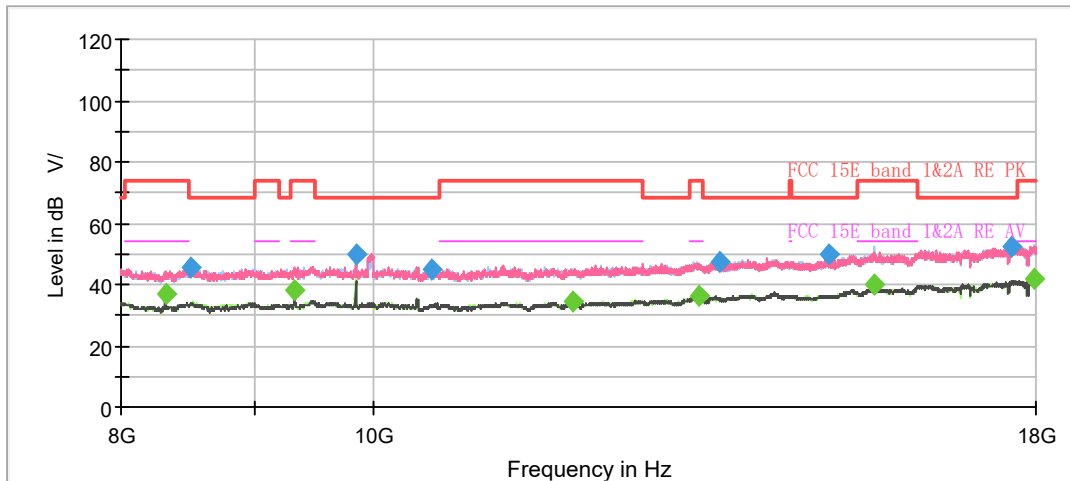
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11a CH40



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



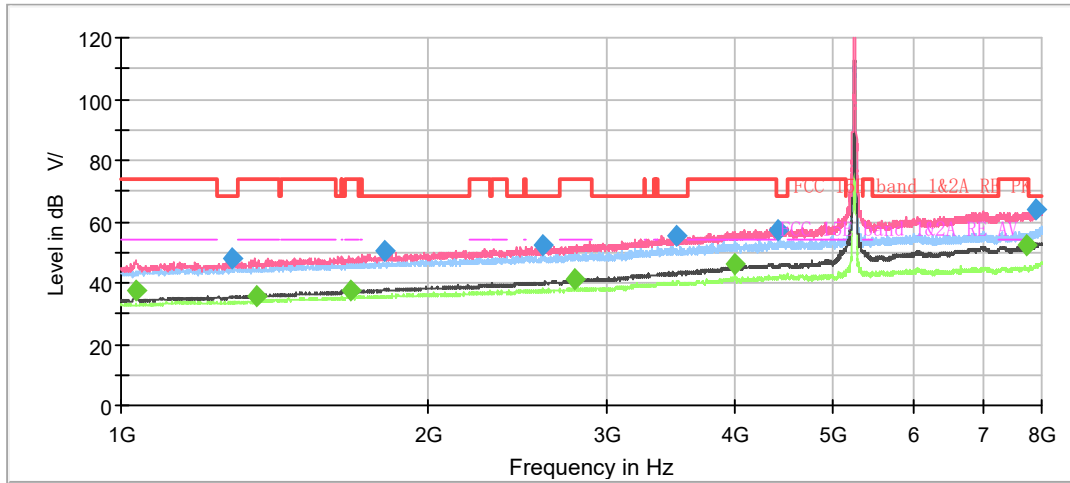
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1202.125000	---	37.31	54.00	16.69	500.0	200.0	H	329.0	2.8
1271.250000	46.02	---	68.20	22.18	500.0	200.0	V	33.0	3.2
1663.250000	---	37.52	54.00	16.48	500.0	200.0	V	256.0	5.2
1855.750000	48.76	---	68.20	19.44	500.0	100.0	V	36.0	6.0
2236.375000	---	38.86	54.00	15.14	500.0	200.0	V	62.0	7.4
2472.625000	52.14	---	68.20	16.06	500.0	200.0	V	68.0	8.1
2822.625000	---	41.07	54.00	12.93	500.0	100.0	V	206.0	9.0
3504.250000	55.10	---	68.20	13.10	500.0	100.0	V	285.0	11.1
3999.500000	---	46.96	54.00	7.04	500.0	200.0	V	346.0	12.2
4424.750000	57.18	---	68.20	11.02	500.0	200.0	V	57.0	13.1
7687.625000	---	52.16	54.00	1.84	500.0	200.0	V	211.0	18.8
7924.750000	64.50	---	68.20	3.70	500.0	100.0	V	116.0	19.6

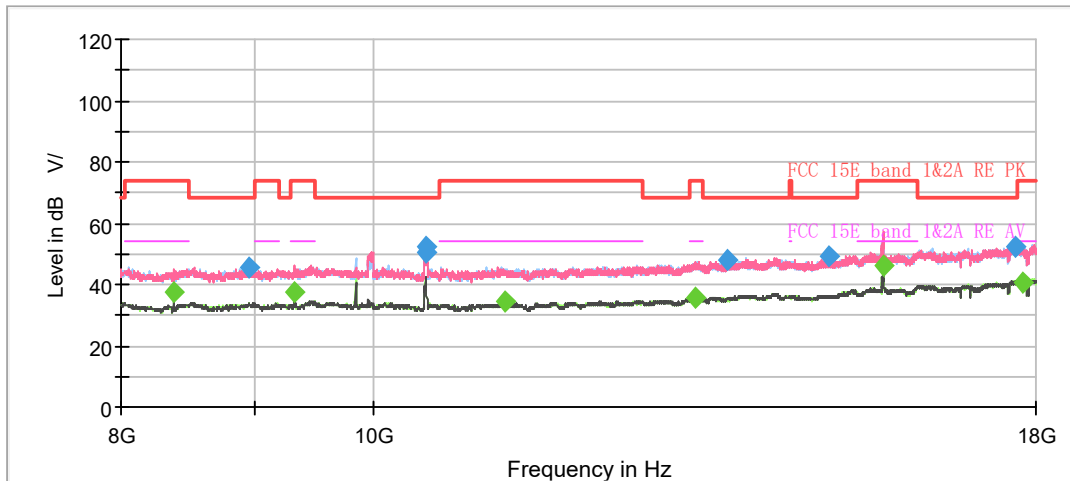
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11a CH48



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



Radiates Emission from 8GHz to 18GHz

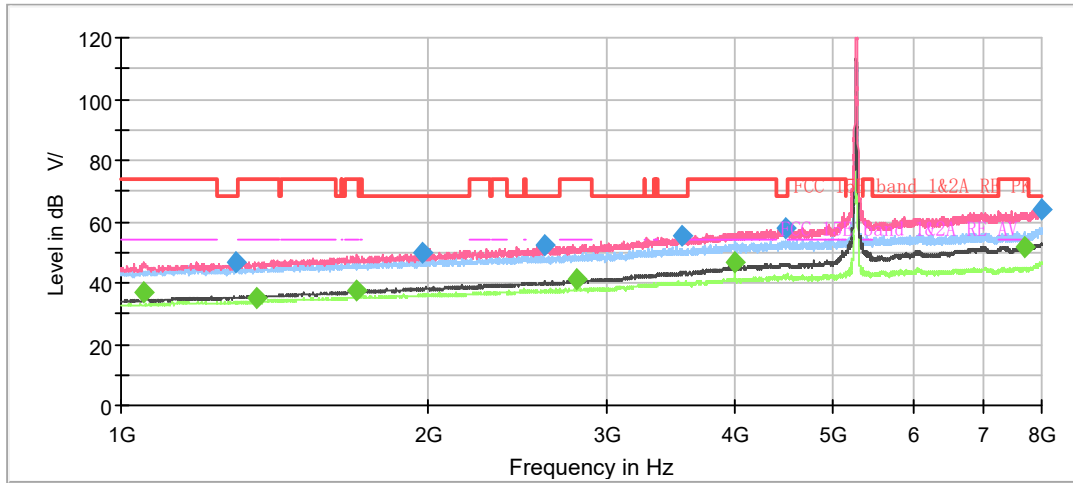


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1035.875000	---	37.62	54.00	16.38	500.0	100.0	V	61.0	1.9
1286.125000	47.72	---	68.20	20.48	500.0	100.0	V	308.0	3.3
1356.125000	---	35.80	54.00	18.20	500.0	100.0	V	48.0	3.7
1679.875000	---	37.48	54.00	16.52	500.0	100.0	V	266.0	5.3
1816.375000	50.42	---	68.20	17.78	500.0	100.0	V	98.0	5.8
2588.125000	52.20	---	68.20	16.00	500.0	100.0	V	272.0	8.5
2792.000000	---	41.01	54.00	12.99	500.0	100.0	V	124.0	8.9
3507.750000	55.20	---	68.20	13.00	500.0	100.0	V	26.0	11.1
3998.625000	---	46.36	54.00	7.64	500.0	100.0	V	339.0	12.2
4414.250000	57.48	---	68.20	10.72	500.0	100.0	V	351.0	13.0
7721.750000	---	52.08	54.00	1.92	500.0	100.0	V	321.0	18.9
7910.750000	64.07	---	68.20	4.13	500.0	200.0	V	28.0	19.5

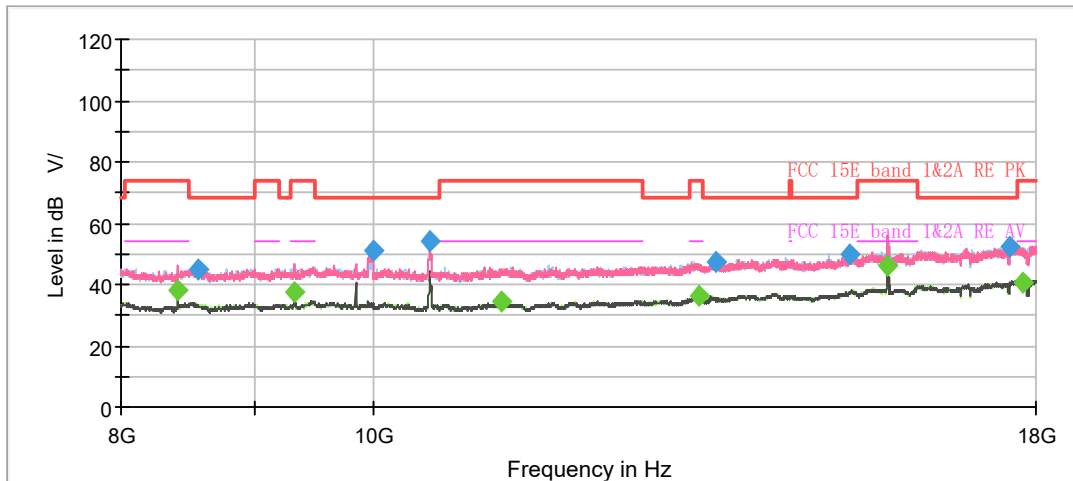
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11a CH52



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



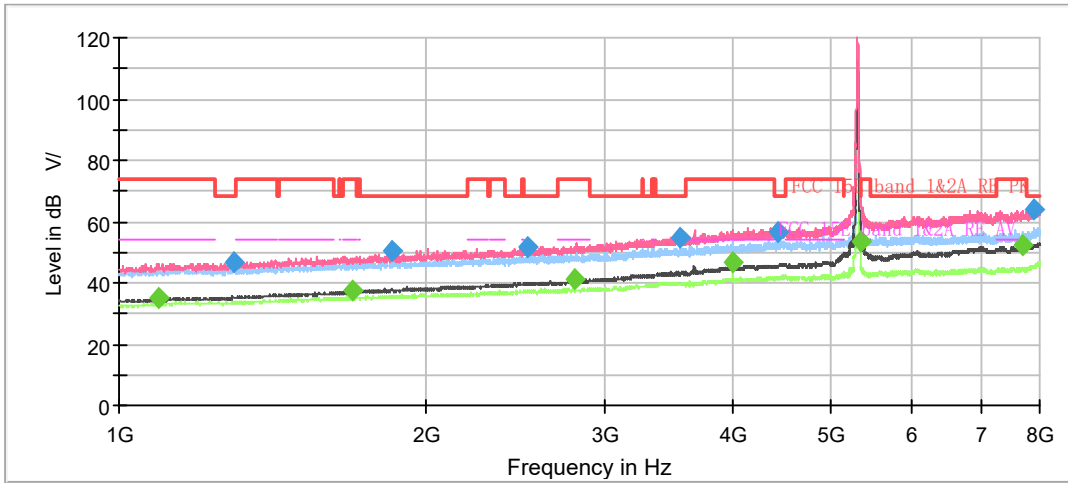
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1051.625000	---	37.00	54.00	17.00	500.0	100.0	V	36.0	2.0
1298.375000	46.92	---	68.20	21.28	500.0	100.0	V	216.0	3.4
1359.625000	---	35.26	54.00	18.74	500.0	100.0	V	204.0	3.7
1699.125000	---	37.70	54.00	16.30	500.0	200.0	V	62.0	5.3
1974.750000	50.06	---	68.20	18.14	500.0	100.0	V	333.0	6.4
2598.625000	52.58	---	68.20	15.62	500.0	200.0	V	7.0	8.5
2795.500000	---	40.94	54.00	13.06	500.0	100.0	V	327.0	9.0
3558.500000	55.33	---	68.20	12.87	500.0	100.0	V	177.0	11.1
3998.625000	---	46.97	54.00	7.03	500.0	200.0	H	356.0	12.2
4484.250000	57.96	---	68.20	10.24	500.0	200.0	V	160.0	13.3
7690.250000	---	51.90	54.00	2.10	500.0	200.0	V	1.0	18.8
7988.625000	64.03	---	68.20	4.17	500.0	200.0	V	110.0	19.9

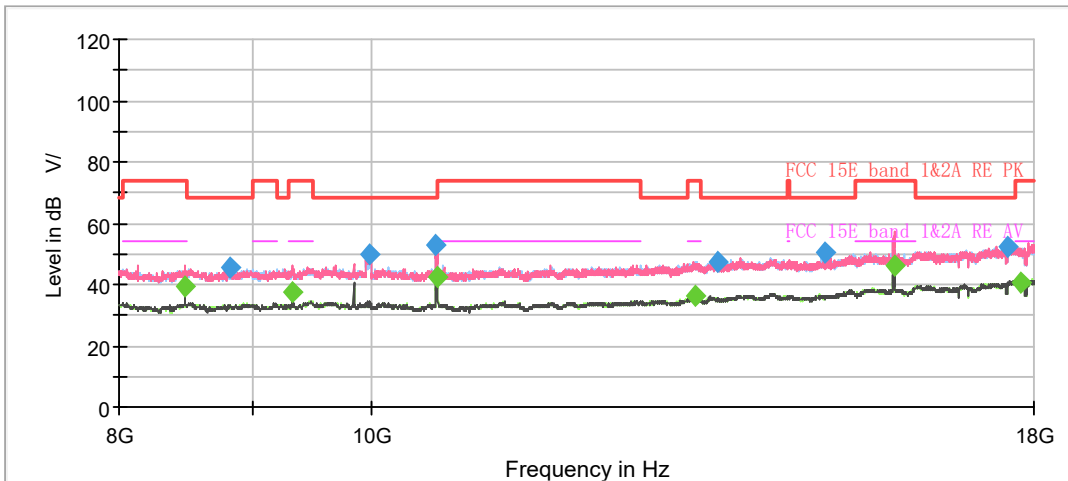
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11a CH60



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



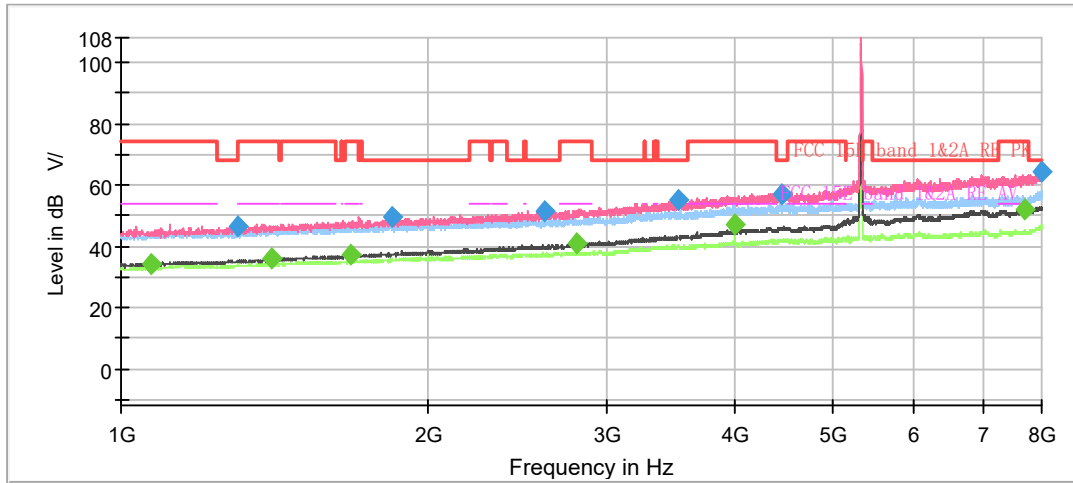
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1094.500000	---	35.13	54.00	18.87	500.0	100.0	V	113.0	2.2
1294.875000	46.98	---	68.20	21.22	500.0	100.0	V	89.0	3.4
1695.625000	---	37.34	54.00	16.66	500.0	100.0	V	267.0	5.3
1850.500000	50.68	---	68.20	17.52	500.0	100.0	V	82.0	6.0
2520.750000	51.98	---	68.20	16.22	500.0	100.0	V	64.0	8.3
2803.375000	---	41.05	54.00	12.95	500.0	100.0	V	0.0	9.0
3548.875000	54.70	---	68.20	13.50	500.0	100.0	V	82.0	11.1
3998.625000	---	47.04	54.00	6.96	500.0	200.0	H	36.0	12.2
4435.250000	56.73	---	68.20	11.47	500.0	200.0	V	298.0	13.1
5350.500000	---	53.61	54.00	0.39	500.0	100.0	V	70.0	14.5
7699.875000	---	52.03	54.00	1.97	500.0	100.0	V	119.0	18.8
7903.750000	63.82	---	68.20	4.38	500.0	200.0	V	248.0	19.5

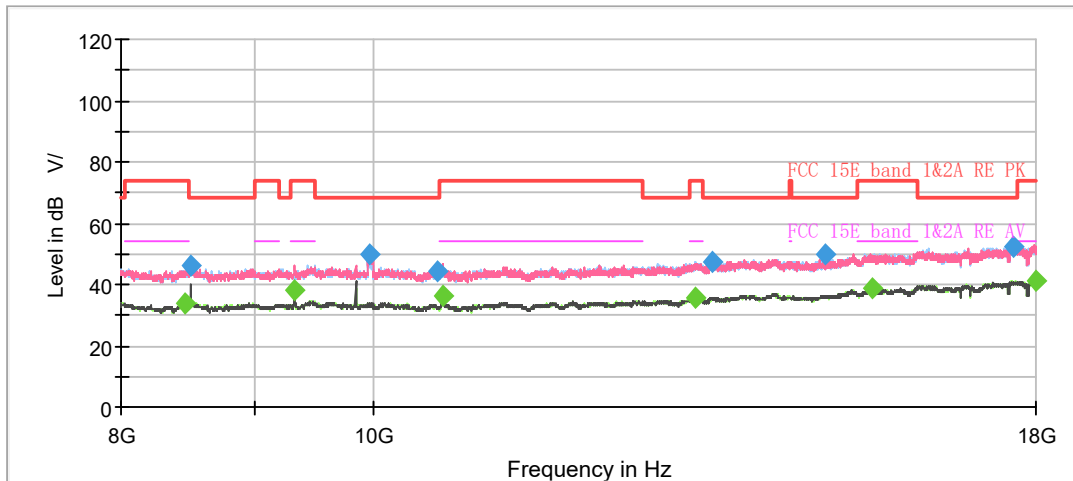
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11a CH64



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.

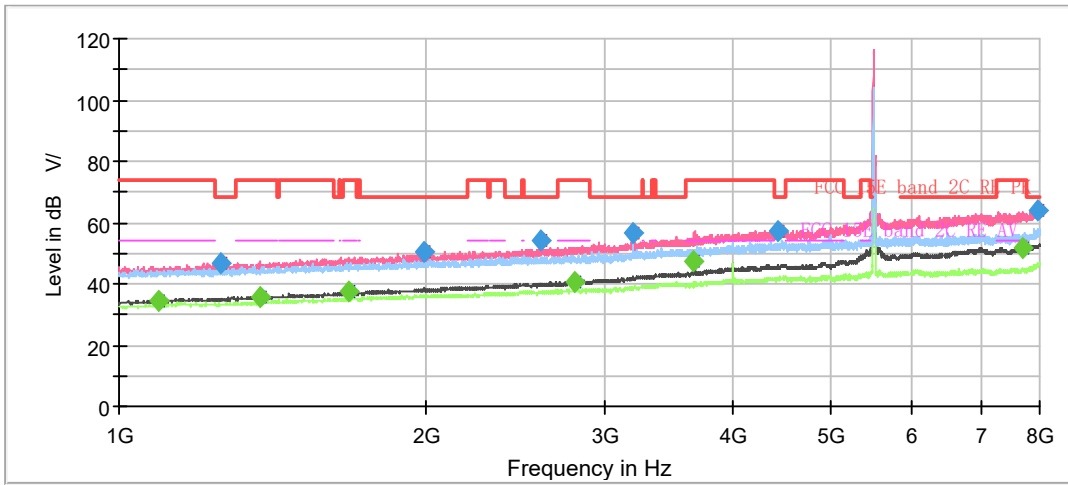


Radiates Emission from 8GHz to 18GHz

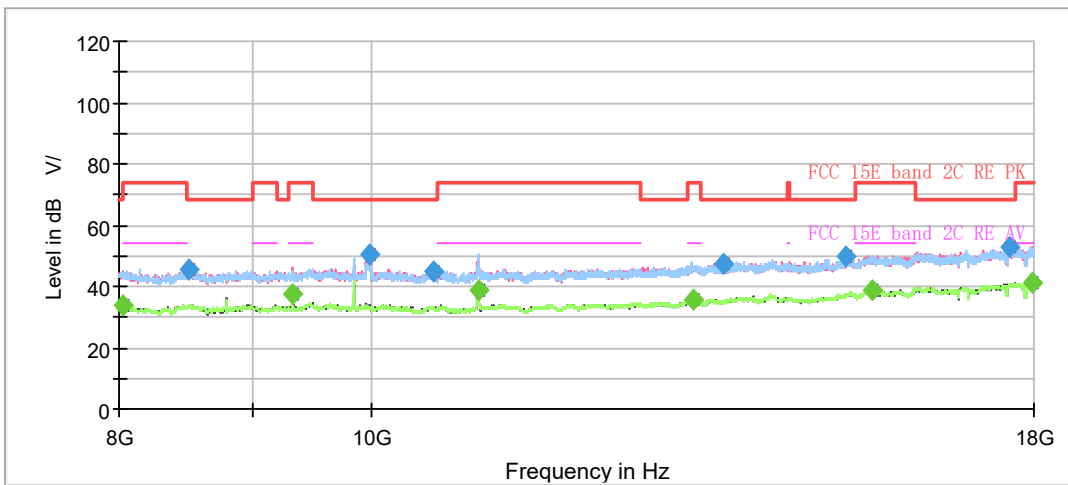
Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1070.000000	---	34.19	54.00	19.81	500.0	100.0	V	77.0	2.1
1299.250000	46.23	---	68.20	21.97	500.0	200.0	V	272.0	3.4
1402.500000	---	35.96	54.00	18.04	500.0	200.0	V	187.0	4.0
1679.000000	---	37.16	54.00	16.84	500.0	200.0	V	278.0	5.2
1847.000000	49.56	---	68.20	18.64	500.0	200.0	V	296.0	5.9
2598.625000	51.30	---	68.20	16.90	500.0	200.0	V	254.0	8.5
2804.250000	---	40.73	54.00	13.27	500.0	200.0	V	290.0	9.0
3519.125000	54.99	---	68.20	13.21	500.0	200.0	V	349.0	11.1
3998.625000	---	47.06	54.00	6.94	500.0	200.0	H	27.0	12.2
4455.375000	56.70	---	68.20	11.50	500.0	200.0	V	290.0	13.2
7688.500000	---	51.74	54.00	2.26	500.0	200.0	V	349.0	18.8
7983.375000	64.20	---	68.20	4.00	500.0	200.0	V	332.0	19.8

**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**



Radiates Emission from 1GHz to 8GHz  
Note: The signal beyond the limit is carrier.



Radiates Emission from 8GHz to 18GHz

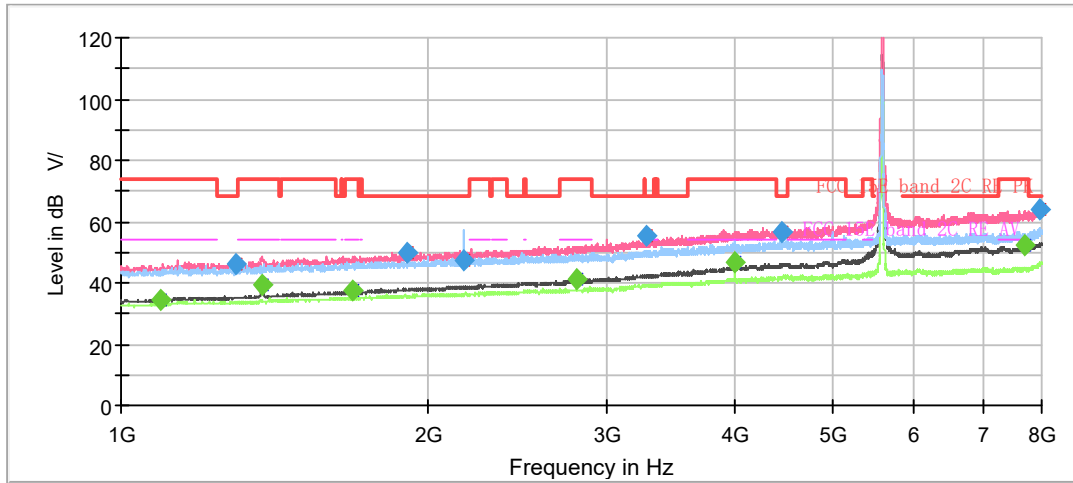


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1092.750000	---	34.65	54.00	19.35	500.0	200.0	V	3.0	2.2
1255.500000	46.60	---	68.20	21.60	500.0	200.0	V	47.0	3.1
1375.375000	---	35.96	54.00	18.04	500.0	200.0	V	128.0	3.8
1679.875000	---	37.25	54.00	16.75	500.0	200.0	V	78.0	5.3
1992.250000	50.31	---	68.20	17.89	500.0	100.0	V	112.0	6.5
2587.250000	54.31	---	68.20	13.89	500.0	200.0	V	59.0	8.5
2804.250000	---	40.84	54.00	13.16	500.0	100.0	V	308.0	9.0
3189.250000	56.55	---	68.20	11.65	500.0	100.0	H	224.0	10.1
3665.250000	---	47.63	54.00	6.37	500.0	100.0	V	319.0	11.4
4423.875000	57.14	---	68.20	11.06	500.0	200.0	V	179.0	13.1
7706.875000	---	51.95	54.00	2.05	500.0	100.0	V	319.0	18.9
7972.875000	63.92	---	68.20	4.28	500.0	100.0	V	49.0	19.8

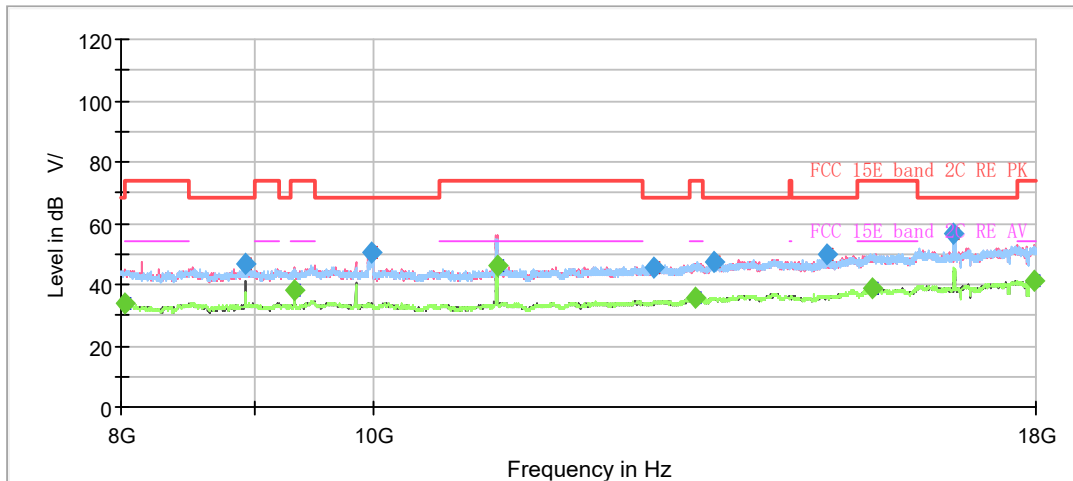
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11a CH116



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



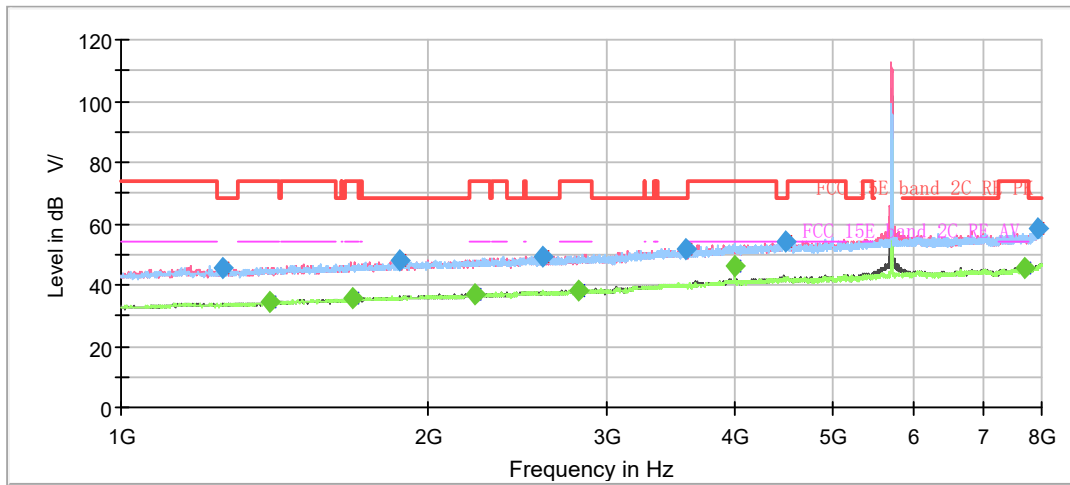
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1093.625000	---	34.41	54.00	19.59	500.0	200.0	V	185.0	2.2
1295.750000	46.37	---	68.20	21.83	500.0	100.0	V	25.0	3.4
1375.375000	---	39.34	54.00	14.66	500.0	200.0	V	185.0	3.8
1687.750000	---	37.28	54.00	16.72	500.0	200.0	V	0.0	5.3
1912.625000	49.96	---	68.20	18.24	500.0	200.0	V	204.0	6.2
2172.500000	47.42	---	68.20	20.78	500.0	200.0	H	346.0	7.1
2796.375000	---	40.95	54.00	13.05	500.0	100.0	V	93.0	9.0
3275.875000	55.19	---	68.20	13.01	500.0	100.0	V	226.0	10.4
3998.625000	---	46.99	54.00	7.01	500.0	200.0	H	352.0	12.2
4442.250000	56.58	---	68.20	11.62	500.0	100.0	V	233.0	13.1
7695.500000	---	52.02	54.00	1.98	500.0	200.0	V	293.0	18.8
7951.000000	63.88	---	68.20	4.32	500.0	100.0	V	196.0	19.7

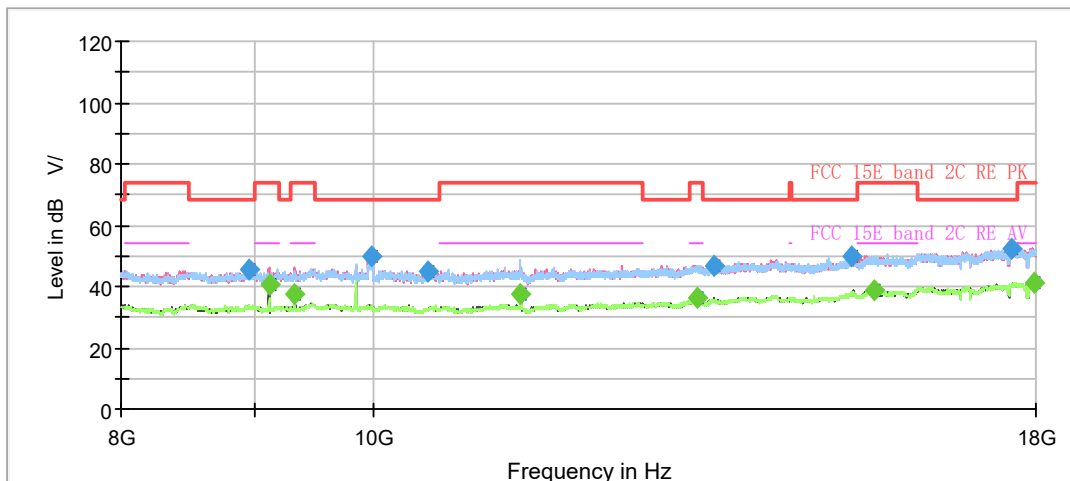
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11a CH140



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



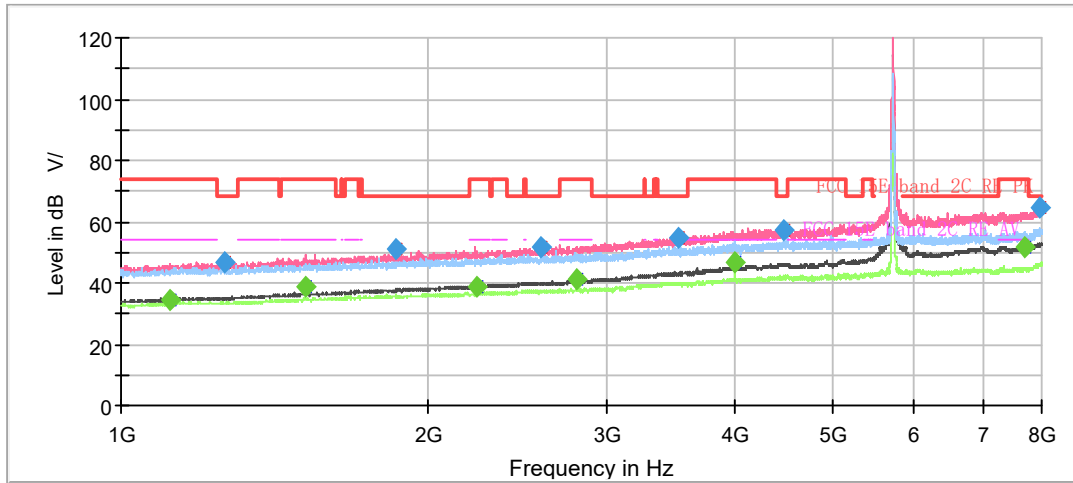
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1259.875000	45.29	---	68.20	22.91	500.0	100.0	H	0.0	3.2
1400.750000	---	34.39	54.00	19.61	500.0	100.0	V	32.0	4.0
1690.375000	---	35.76	54.00	18.24	500.0	100.0	V	73.0	5.3
1879.375000	47.92	---	68.20	20.28	500.0	100.0	H	315.0	6.1
2219.750000	---	36.76	54.00	17.24	500.0	100.0	V	282.0	7.3
2597.750000	49.29	---	68.20	18.91	500.0	200.0	H	348.0	8.5
2806.000000	---	38.09	54.00	15.91	500.0	200.0	V	260.0	9.0
3587.375000	51.51	---	68.20	16.69	500.0	100.0	H	350.0	11.1
3998.625000	---	46.41	54.00	7.59	500.0	200.0	H	35.0	12.2
4491.250000	54.38	---	68.20	13.82	500.0	200.0	H	90.0	13.4
7708.625000	---	45.31	54.00	8.69	500.0	200.0	V	242.0	18.9
7942.250000	58.21	---	68.20	9.99	500.0	100.0	H	0.0	19.7

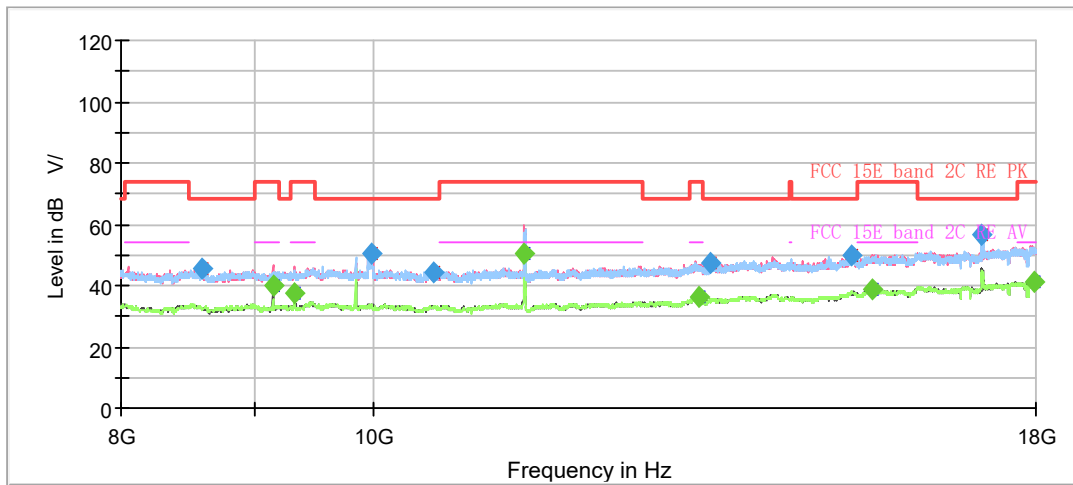
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11a CH144



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.

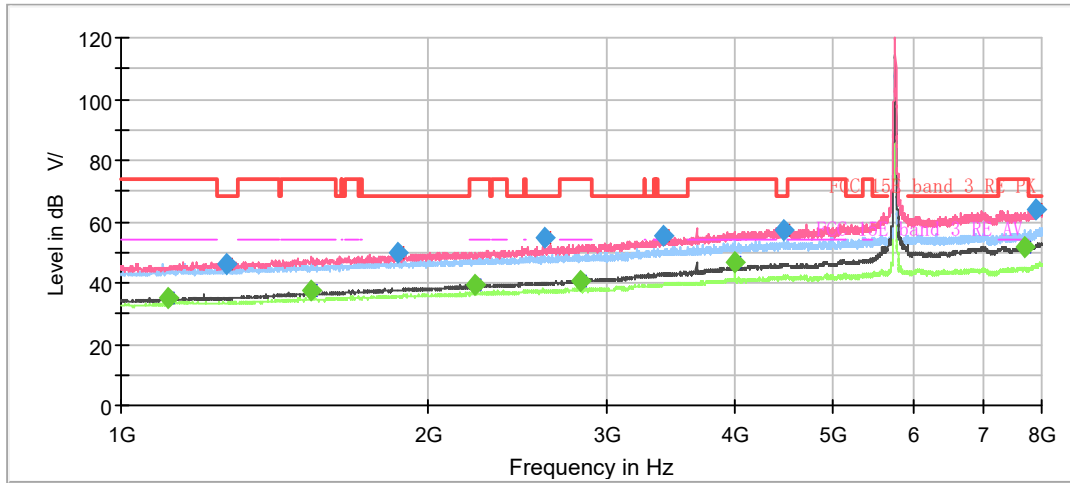


Radiates Emission from 8GHz to 18GHz

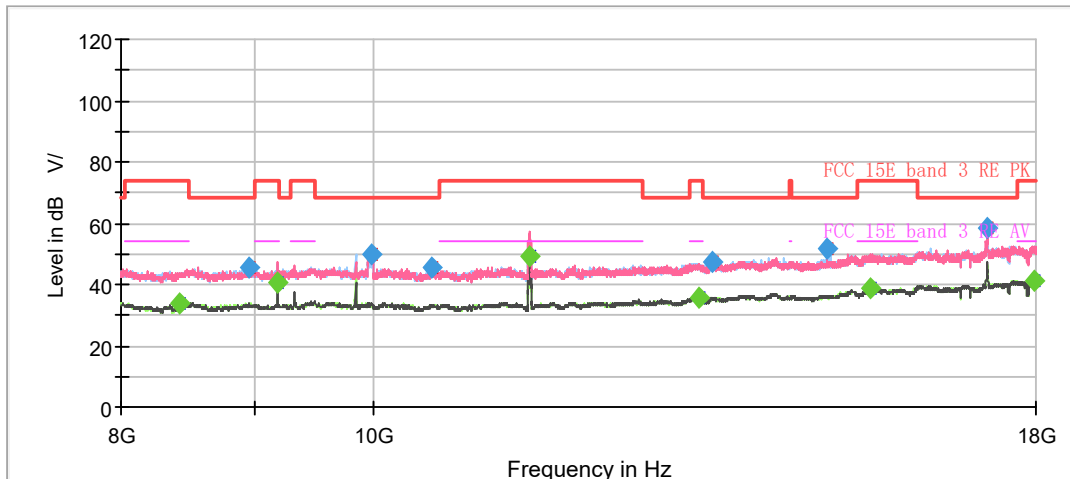
Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1114.625000	---	34.58	54.00	19.42	500.0	200.0	V	240.0	2.3
1264.250000	47.01	---	68.20	21.19	500.0	100.0	V	88.0	3.2
1514.500000	---	38.83	54.00	15.17	500.0	200.0	V	233.0	4.6
1861.875000	50.88	---	68.20	17.32	500.0	200.0	V	283.0	6.0
2229.375000	---	38.49	54.00	15.51	500.0	100.0	V	2.0	7.3
2577.625000	51.56	---	68.20	16.64	500.0	200.0	V	323.0	8.4
2803.375000	---	41.23	54.00	12.77	500.0	200.0	V	182.0	9.0
3527.000000	54.88	---	68.20	13.32	500.0	100.0	V	94.0	11.1
3998.625000	---	46.92	54.00	7.08	500.0	200.0	H	35.0	12.2
4471.125000	57.11	---	68.20	11.09	500.0	100.0	V	224.0	13.3
7688.500000	---	51.90	54.00	2.10	500.0	200.0	V	270.0	18.8
7979.000000	64.47	---	68.20	3.73	500.0	100.0	V	140.0	19.8
11435.000000	---	50.17	54.00	3.83	500.0	200.0	V	183.0	-0.3

**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**  
**2. Margin = Limit –MAX Peak/ Average**

802.11a CH149



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



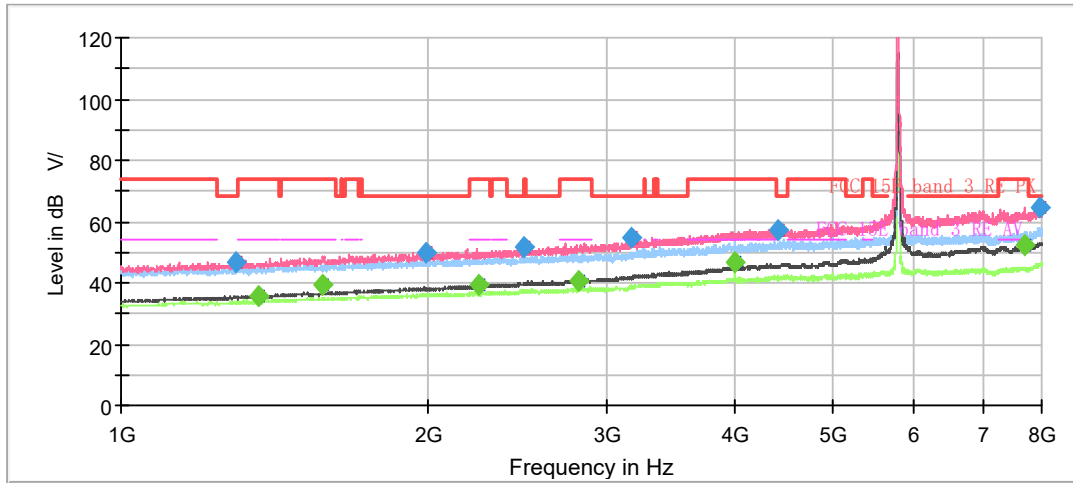
Radiates Emission from 8GHz to 18GHz



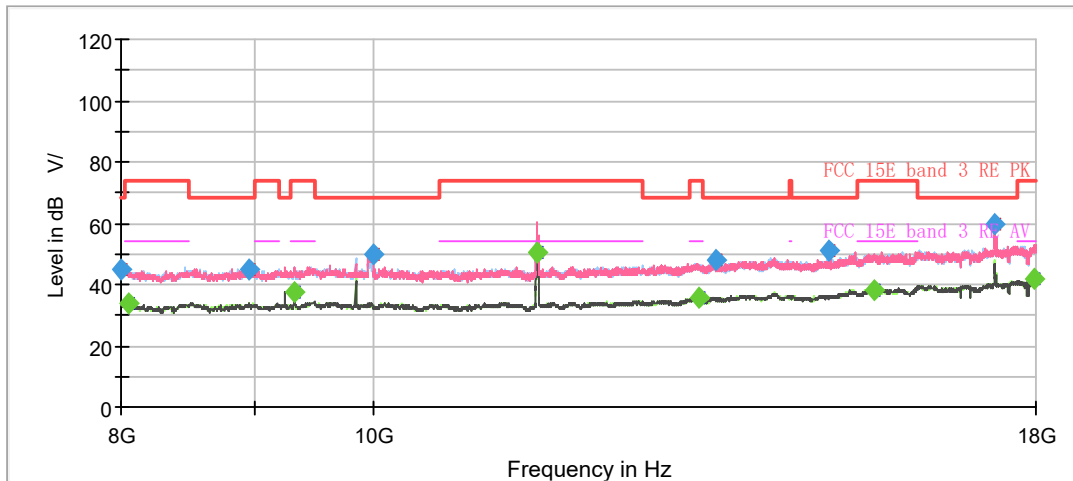
Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1111.125000	---	34.85	54.00	19.15	500.0	200.0	V	225.0	2.3
1269.500000	46.25	---	68.20	21.95	500.0	200.0	V	181.0	3.2
1539.000000	---	37.75	54.00	16.25	500.0	200.0	V	225.0	4.6
1868.875000	49.64	---	68.20	18.56	500.0	100.0	V	225.0	6.0
2226.750000	---	39.10	54.00	14.90	500.0	200.0	V	303.0	7.3
2603.000000	54.55	---	68.20	13.65	500.0	100.0	V	356.0	8.5
2824.375000	---	40.88	54.00	13.12	500.0	200.0	V	321.0	9.0
3396.625000	55.16	---	68.20	13.04	500.0	100.0	V	83.0	10.8
3998.625000	---	47.01	54.00	6.99	500.0	200.0	H	32.0	12.2
4471.125000	57.13	---	68.20	11.07	500.0	200.0	V	261.0	13.3
7702.500000	---	51.95	54.00	2.05	500.0	100.0	V	118.0	18.8
7902.875000	64.09	---	68.20	4.11	500.0	100.0	V	94.0	19.5
11488.750000	---	48.95	54.00	5.05	500.0	200.0	V	182.0	-0.2

**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**  
**2. Margin = Limit –MAX Peak/ Average**

802.11a CH157



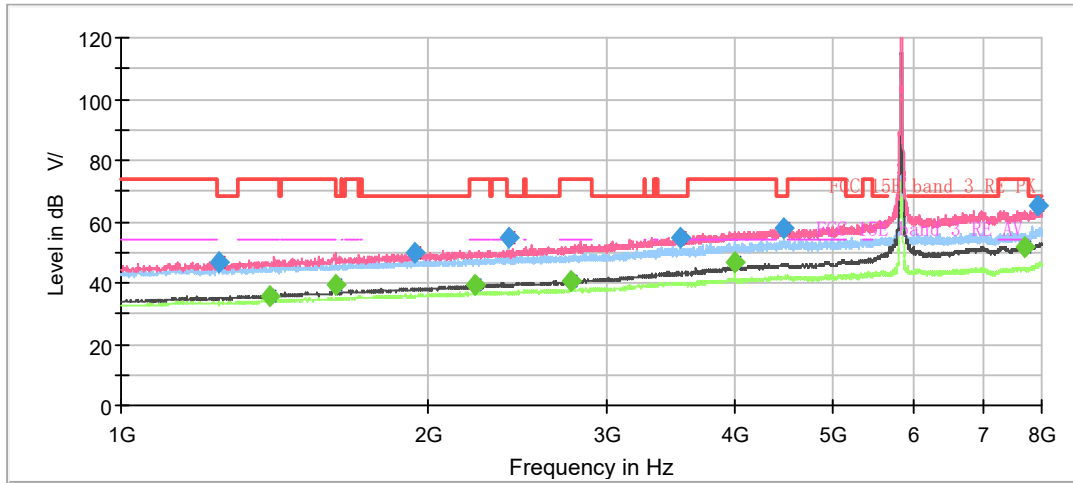
Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



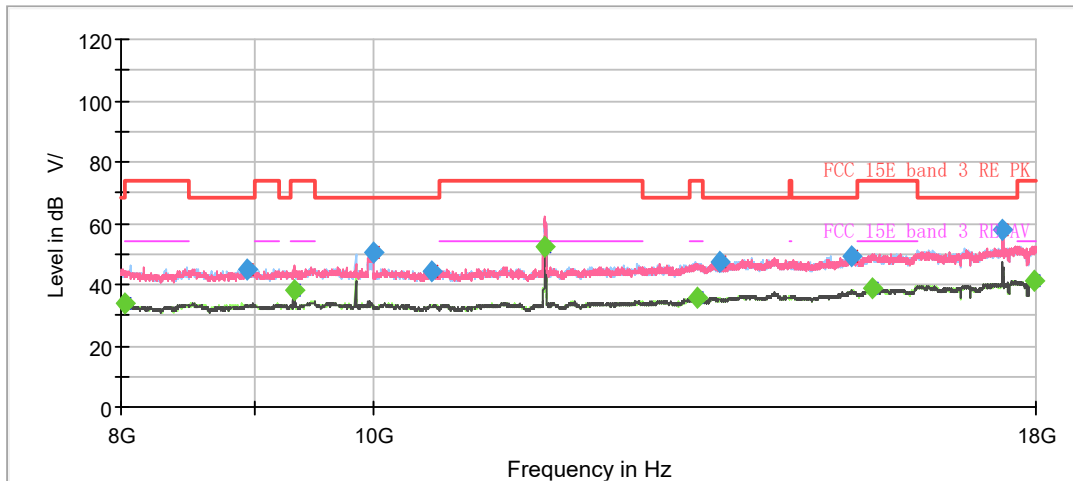
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1296.625000	46.65	---	68.20	21.55	500.0	200.0	V	201.0	3.4
1364.000000	---	35.94	54.00	18.06	500.0	200.0	V	293.0	3.7
1578.375000	---	39.18	54.00	14.82	500.0	200.0	V	220.0	4.8
1991.375000	49.65	---	68.20	18.55	500.0	200.0	V	242.0	6.5
2245.125000	---	39.12	54.00	14.88	500.0	100.0	V	196.0	7.4
2482.250000	51.91	---	68.20	16.29	500.0	100.0	V	347.0	8.1
2811.250000	---	40.80	54.00	13.20	500.0	200.0	V	214.0	9.0
3170.875000	54.83	---	68.20	13.37	500.0	200.0	V	153.0	10.0
3998.625000	---	46.80	54.00	7.20	500.0	200.0	H	34.0	12.2
4420.375000	57.20	---	68.20	11.00	500.0	100.0	V	0.0	13.0
7694.625000	---	52.07	54.00	1.93	500.0	100.0	V	227.0	18.8
7958.000000	64.36	---	68.20	3.84	500.0	200.0	V	140.0	19.7
11573.750000	---	50.57	54.00	3.43	500.0	200.0	V	181.0	-0.1

**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**  
**2. Margin = Limit –MAX Peak/ Average**



Radiates Emission from 1GHz to 8GHz  
Note: The signal beyond the limit is carrier.



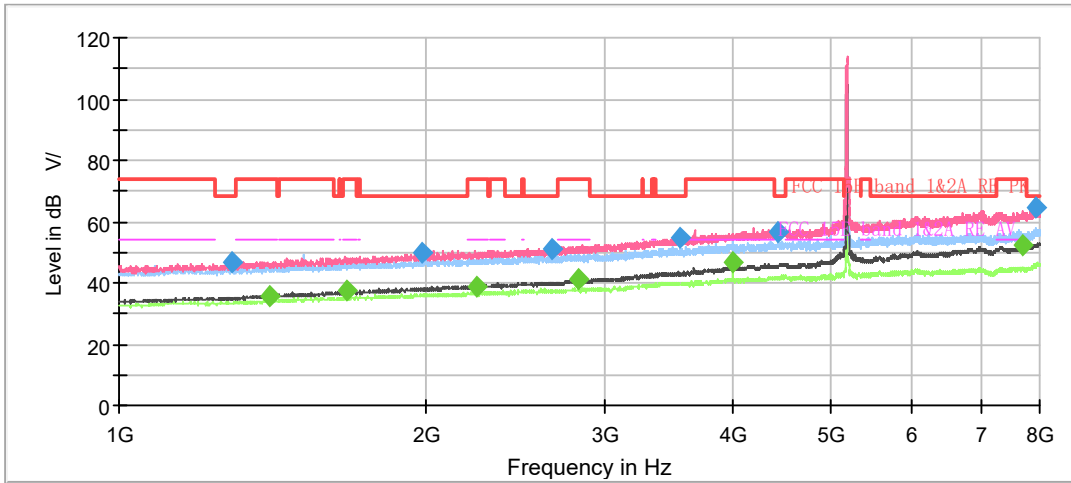
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1247.625000	46.57	---	68.20	21.63	500.0	200.0	V	86.0	3.1
1396.375000	---	35.90	54.00	18.10	500.0	200.0	V	25.0	3.9
1621.250000	---	39.37	54.00	14.63	500.0	200.0	V	111.0	5.0
1940.625000	49.65	---	68.20	18.55	500.0	200.0	V	216.0	6.3
2226.750000	---	39.19	54.00	14.81	500.0	200.0	V	74.0	7.3
2396.500000	55.06	---	68.20	13.14	500.0	200.0	H	156.0	7.9
2757.875000	---	40.86	54.00	13.14	500.0	100.0	V	0.0	8.8
3534.875000	54.79	---	68.20	13.41	500.0	200.0	V	180.0	11.1
3998.625000	---	47.00	54.00	7.00	500.0	200.0	H	348.0	12.2
4465.875000	57.72	---	68.20	10.48	500.0	200.0	V	0.0	13.2
7703.375000	---	51.89	54.00	2.11	500.0	200.0	V	81.0	18.8
7944.875000	65.23	---	68.20	2.97	500.0	100.0	V	82.0	19.7
11648.750000	---	52.38	54.00	1.62	500.0	200.0	H	231.0	0.0

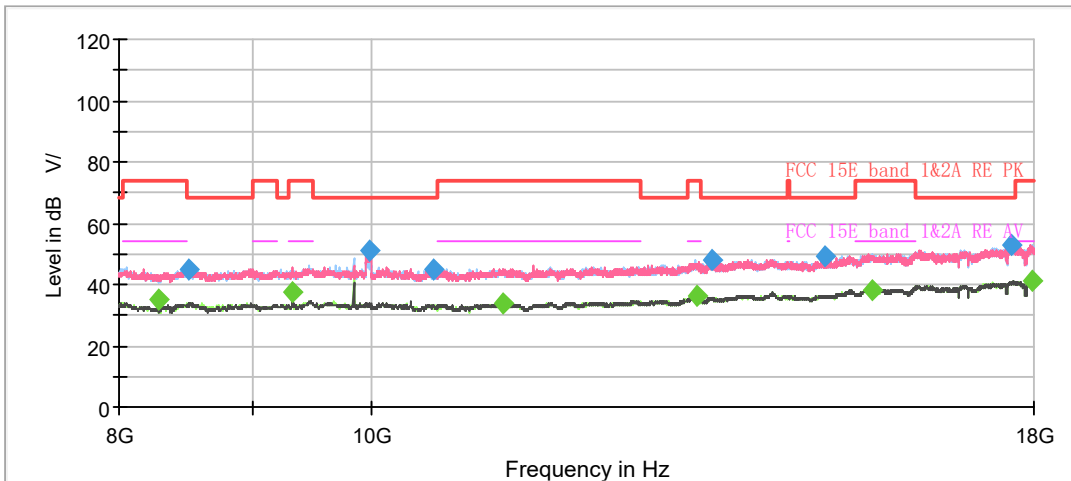
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT20) CH36



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



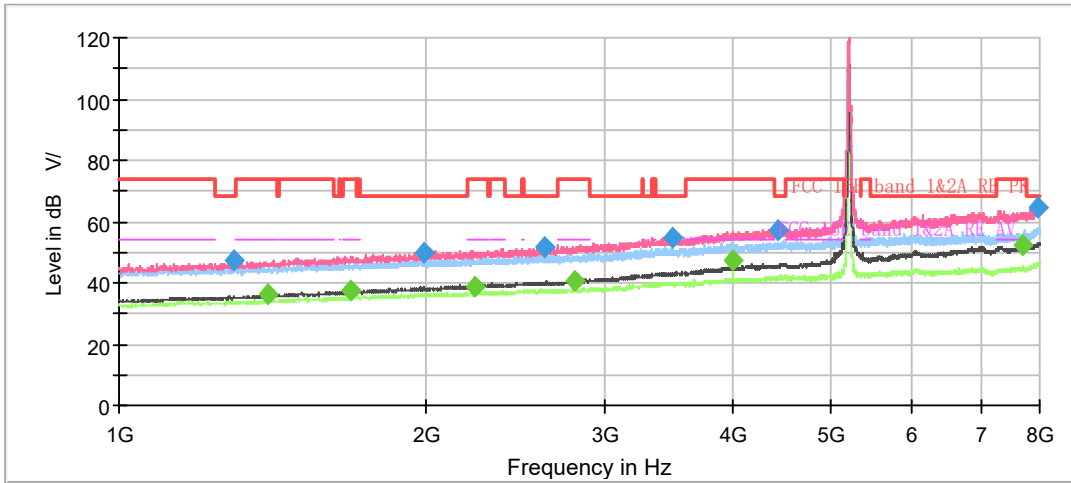
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1293.125000	46.68	---	68.20	21.52	500.0	200.0	V	69.0	3.3
1406.000000	---	35.86	54.00	18.14	500.0	200.0	V	113.0	4.0
1674.625000	---	37.42	54.00	16.58	500.0	100.0	V	352.0	5.2
1985.250000	49.90	---	68.20	18.30	500.0	200.0	V	0.0	6.5
2240.750000	---	38.52	54.00	15.48	500.0	100.0	V	148.0	7.4
2657.250000	51.26	---	68.20	16.94	500.0	100.0	V	280.0	8.6
2827.000000	---	40.93	54.00	13.07	500.0	100.0	V	340.0	9.1
3551.500000	54.98	---	68.20	13.22	500.0	100.0	V	304.0	11.1
3998.625000	---	46.90	54.00	7.10	500.0	200.0	H	27.0	12.2
4430.000000	56.56	---	68.20	11.64	500.0	100.0	V	154.0	13.1
7702.500000	---	52.03	54.00	1.97	500.0	100.0	V	85.0	18.8
7936.125000	64.53	---	68.20	3.67	500.0	100.0	V	316.0	19.6

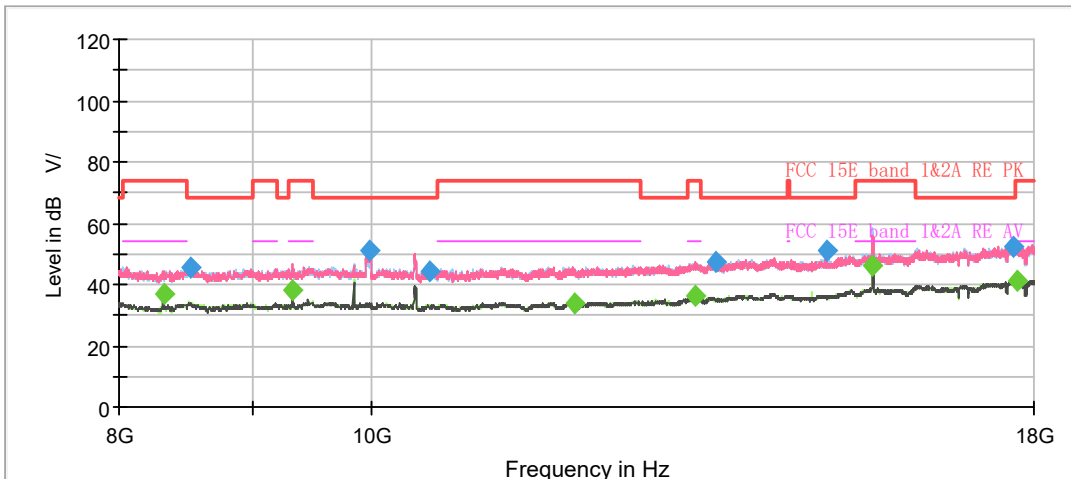
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT20) CH40



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



Radiates Emission from 8GHz to 18GHz

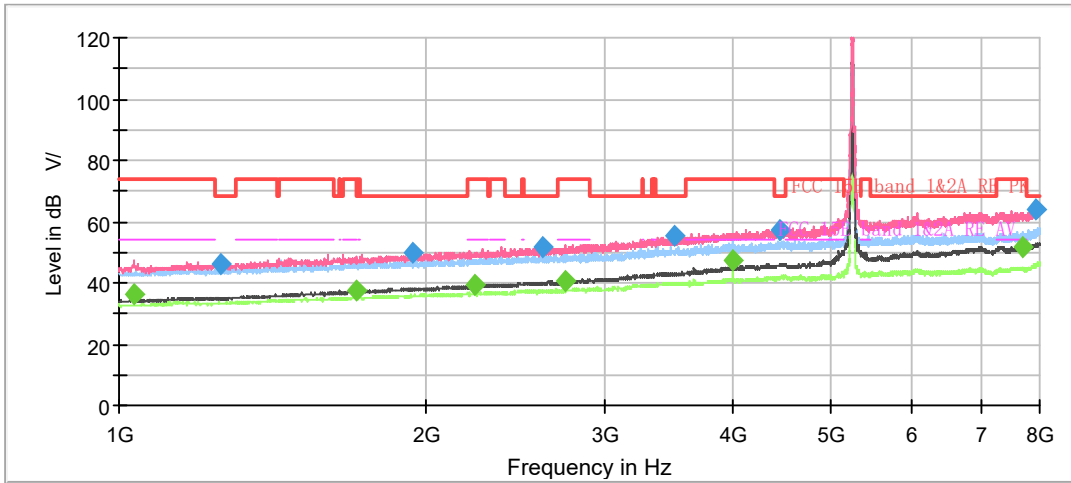


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1296.625000	47.10	---	68.20	21.10	500.0	100.0	V	117.0	3.4
1399.000000	---	36.35	54.00	17.65	500.0	100.0	V	81.0	4.0
1685.125000	---	37.48	54.00	16.52	500.0	100.0	V	271.0	5.3
1995.750000	49.76	---	68.20	18.44	500.0	200.0	V	8.0	6.5
2230.250000	---	38.82	54.00	15.18	500.0	100.0	V	205.0	7.4
2609.125000	51.50	---	68.20	16.70	500.0	200.0	V	120.0	8.5
2792.875000	---	40.92	54.00	13.08	500.0	100.0	V	346.0	9.0
3498.125000	54.78	---	68.20	13.42	500.0	200.0	V	144.0	11.1
3998.625000	---	47.20	54.00	6.80	500.0	200.0	H	0.0	12.2
4434.375000	57.02	---	68.20	11.18	500.0	200.0	V	260.0	13.1
7694.625000	---	52.03	54.00	1.97	500.0	200.0	V	91.0	18.8
7979.875000	64.47	---	68.20	3.73	500.0	200.0	V	20.0	19.8

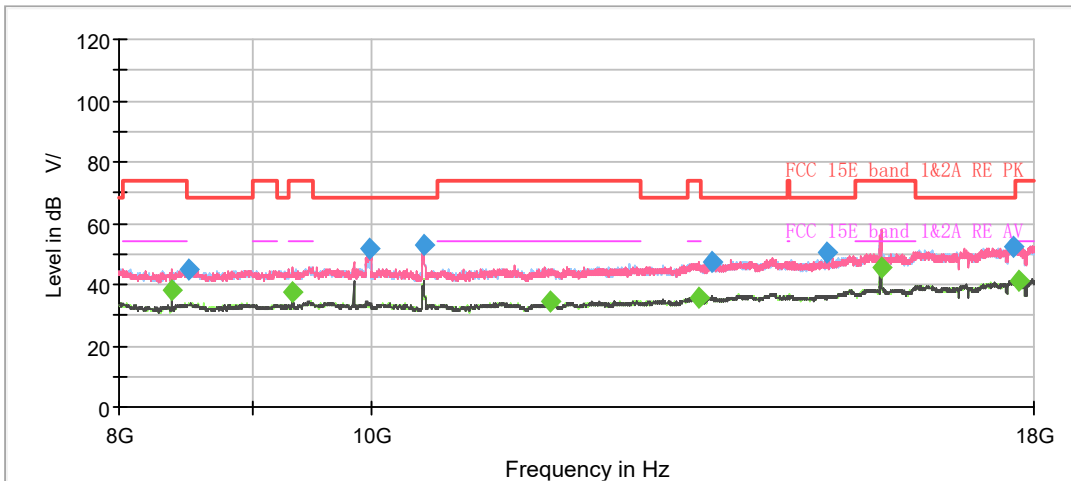
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT20) CH48



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



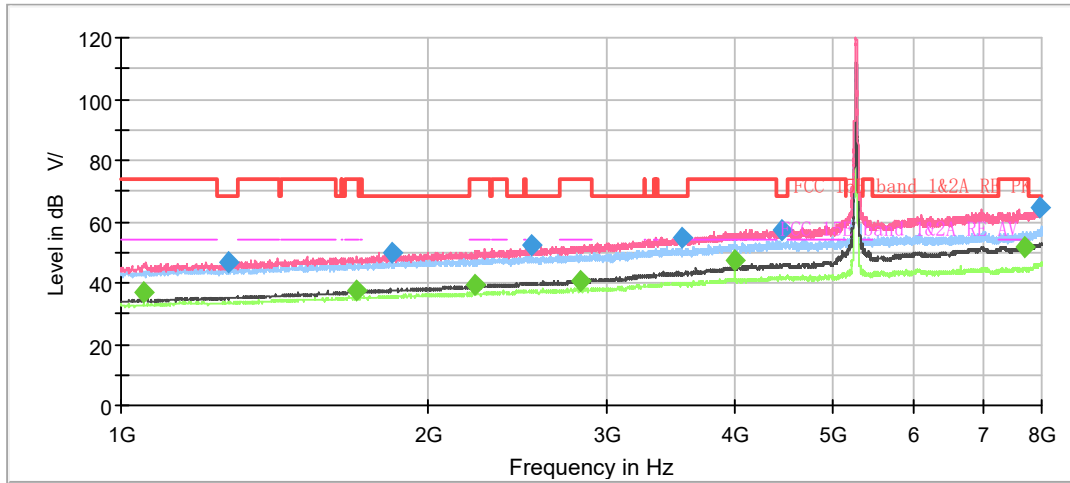
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1036.750000	---	36.42	54.00	17.58	500.0	100.0	V	45.0	1.9
1259.875000	46.17	---	68.20	22.03	500.0	100.0	V	294.0	3.2
1709.625000	---	37.39	54.00	16.61	500.0	100.0	V	218.0	5.4
1938.000000	50.04	---	68.20	18.16	500.0	200.0	V	113.0	6.2
2238.125000	---	39.49	54.00	14.51	500.0	100.0	V	51.0	7.4
2604.750000	51.61	---	68.20	16.59	500.0	200.0	V	113.0	8.5
2743.875000	---	40.90	54.00	13.10	500.0	200.0	V	252.0	8.8
3504.250000	55.18	---	68.20	13.02	500.0	200.0	V	336.0	11.1
3998.625000	---	47.22	54.00	6.78	500.0	200.0	H	353.0	12.2
4451.875000	57.20	---	68.20	11.00	500.0	100.0	V	205.0	13.1
7694.625000	---	51.97	54.00	2.03	500.0	100.0	V	306.0	18.8
7944.000000	64.27	---	68.20	3.93	500.0	200.0	V	0.0	19.7

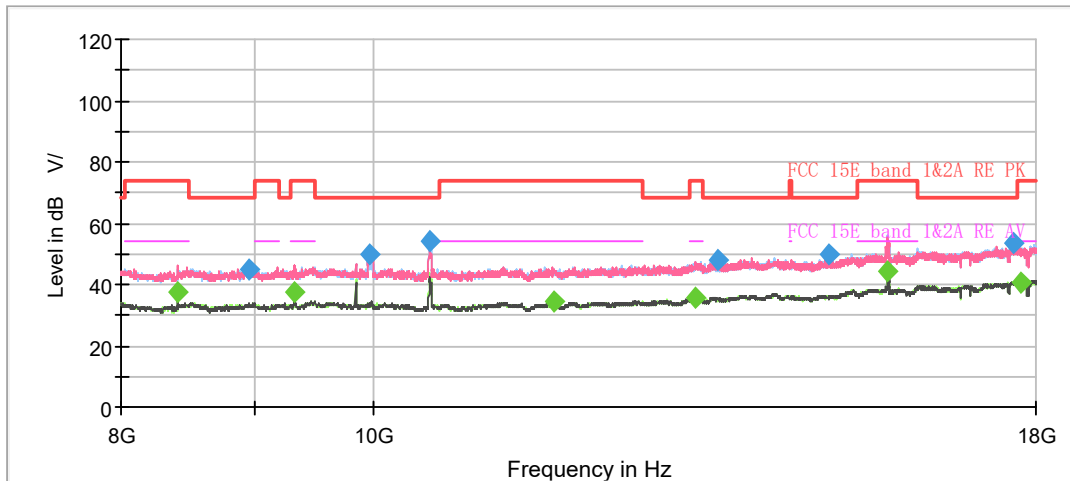
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT20) CH52



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



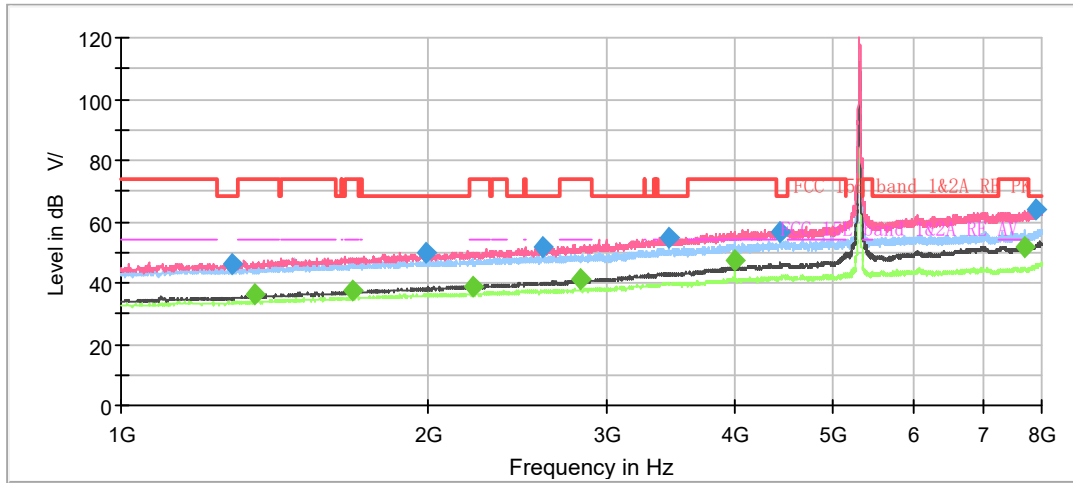
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1051.625000	---	37.10	54.00	16.90	500.0	100.0	V	58.0	2.0
1274.750000	46.78	---	68.20	21.42	500.0	200.0	V	0.0	3.2
1700.000000	---	37.38	54.00	16.62	500.0	100.0	V	167.0	5.3
1846.125000	49.56	---	68.20	18.64	500.0	200.0	V	142.0	5.9
2226.750000	---	39.29	54.00	14.71	500.0	100.0	V	276.0	7.3
2525.125000	52.20	---	68.20	16.00	500.0	100.0	V	95.0	8.3
2820.875000	---	40.90	54.00	13.10	500.0	100.0	V	228.0	9.0
3555.875000	54.74	---	68.20	13.46	500.0	100.0	V	58.0	11.1
3998.625000	---	47.09	54.00	6.91	500.0	200.0	H	356.0	12.2
4450.125000	57.42	---	68.20	10.78	500.0	100.0	V	240.0	13.1
7700.750000	---	51.86	54.00	2.14	500.0	200.0	V	0.0	18.8
7972.000000	64.35	---	68.20	3.85	500.0	100.0	V	33.0	19.8

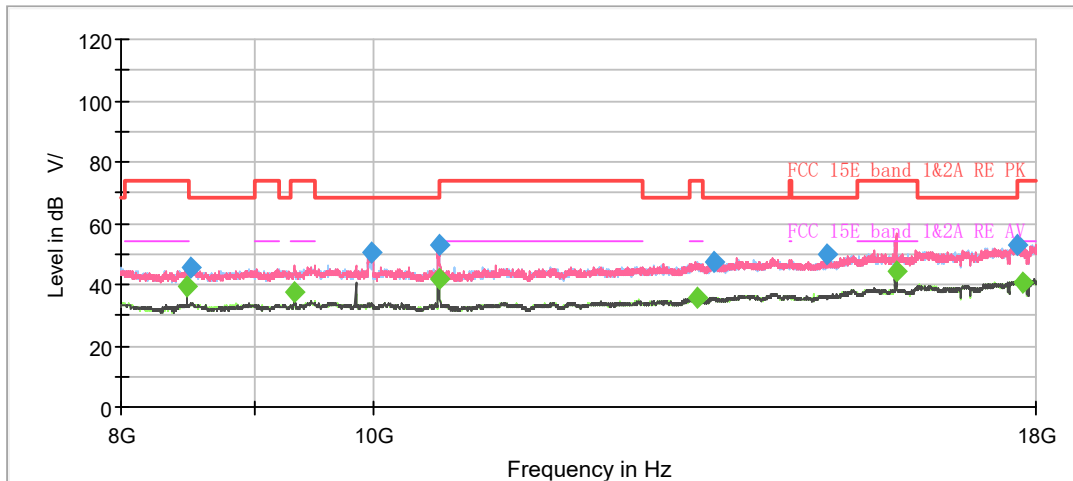
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT20) CH60



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



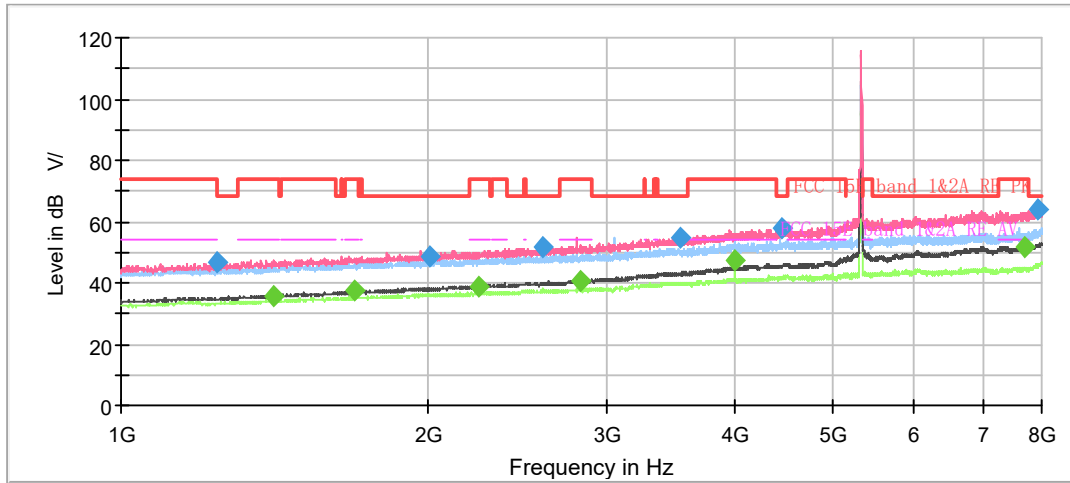
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1287.875000	46.22	---	68.20	21.98	500.0	100.0	V	241.0	3.3
1350.000000	---	36.33	54.00	17.67	500.0	100.0	V	144.0	3.7
1686.000000	---	37.51	54.00	16.49	500.0	100.0	V	169.0	5.3
1995.750000	49.78	---	68.20	18.42	500.0	100.0	V	0.0	6.5
2211.875000	---	38.59	54.00	15.41	500.0	200.0	V	352.0	7.3
2594.250000	51.95	---	68.20	16.25	500.0	100.0	V	218.0	8.5
2827.875000	---	41.09	54.00	12.91	500.0	200.0	V	340.0	9.1
3441.250000	54.76	---	68.20	13.44	500.0	200.0	V	333.0	10.9
3998.625000	---	47.68	54.00	6.32	500.0	200.0	H	32.0	12.2
4438.750000	56.72	---	68.20	11.48	500.0	100.0	V	151.0	13.1
7708.625000	---	51.93	54.00	2.07	500.0	100.0	V	59.0	18.9
7898.500000	63.89	---	68.20	4.31	500.0	200.0	V	314.0	19.5

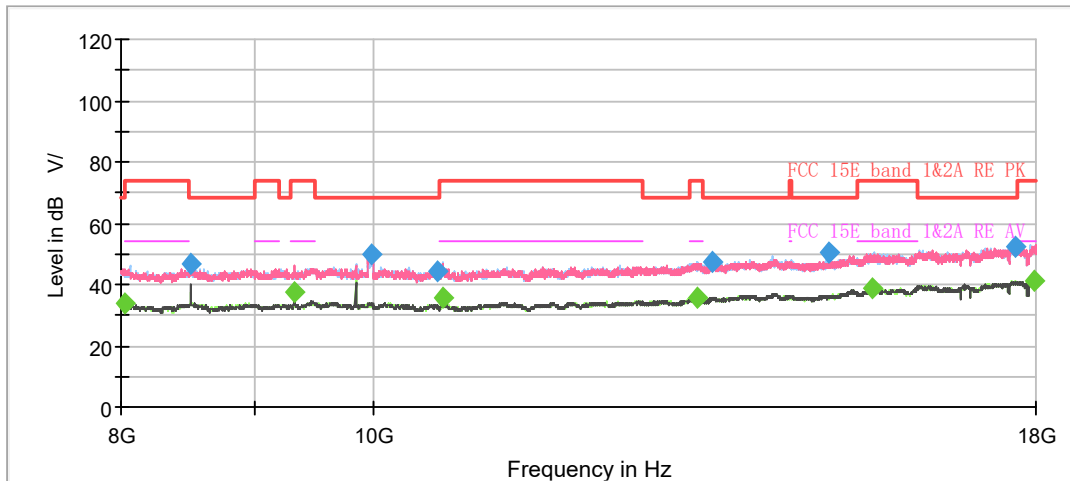
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT20) CH64



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



Radiates Emission from 8GHz to 18GHz

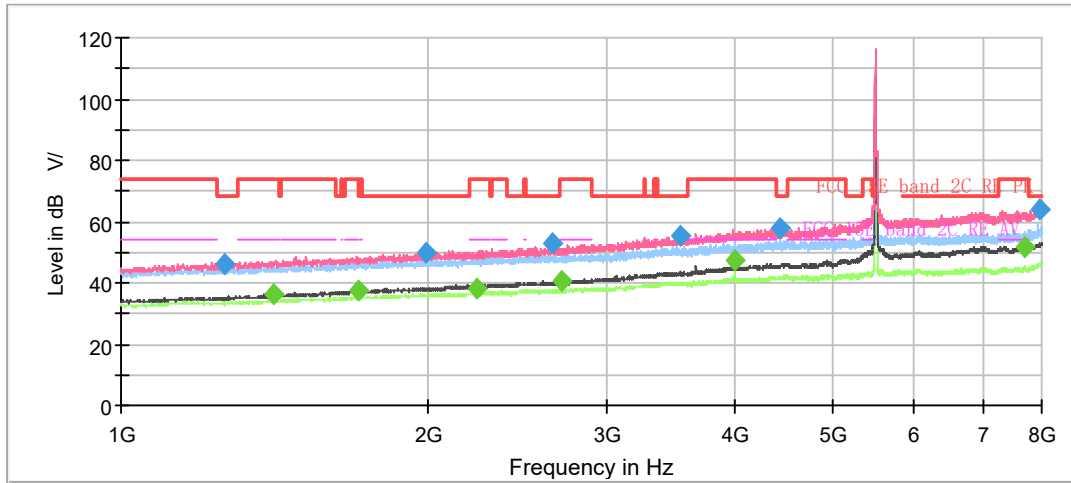


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1242.375000	46.57	---	68.20	21.63	500.0	200.0	V	350.0	3.1
1408.625000	---	35.89	54.00	18.11	500.0	100.0	V	137.0	4.0
1693.000000	---	37.49	54.00	16.51	500.0	100.0	V	75.0	5.3
2008.875000	48.82	---	68.20	19.38	500.0	200.0	V	0.0	6.5
2240.750000	---	38.91	54.00	15.09	500.0	200.0	V	0.0	7.4
2597.750000	51.71	---	68.20	16.49	500.0	100.0	V	335.0	8.5
2820.875000	---	40.88	54.00	13.12	500.0	200.0	V	226.0	9.0
3531.375000	55.04	---	68.20	13.16	500.0	200.0	V	357.0	11.1
3998.625000	---	47.23	54.00	6.77	500.0	200.0	H	354.0	12.2
4456.250000	57.97	---	68.20	10.23	500.0	100.0	V	226.0	13.2
7686.750000	---	51.93	54.00	2.07	500.0	200.0	V	344.0	18.8
7933.500000	64.15	---	68.20	4.05	500.0	100.0	V	118.0	19.6

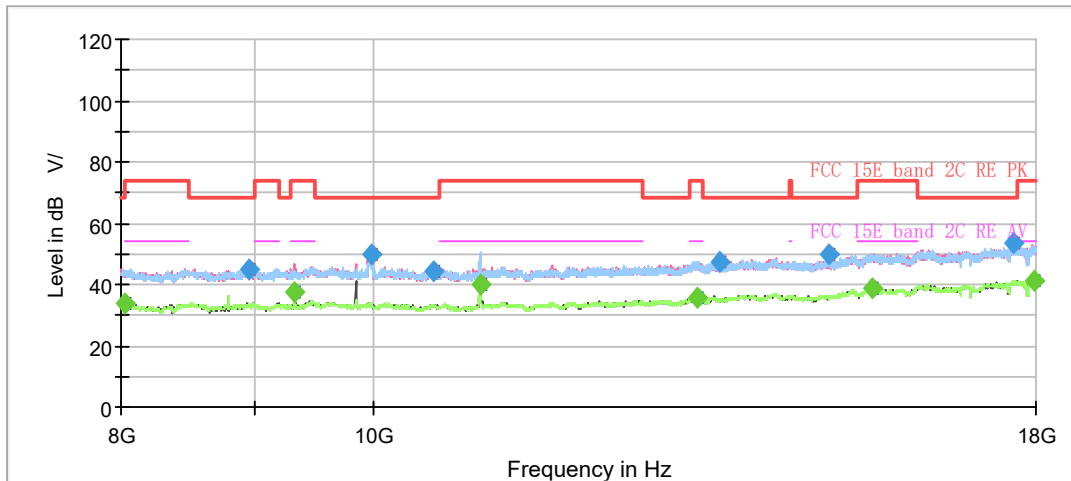
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT20) CH100



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



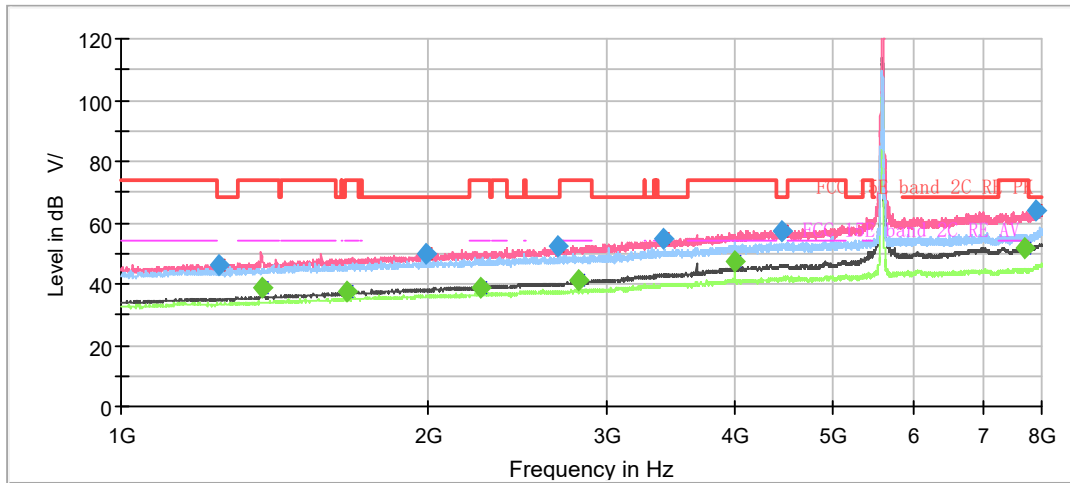
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1262.500000	46.41	---	68.20	21.79	500.0	100.0	V	281.0	3.2
1413.875000	---	36.15	54.00	17.85	500.0	100.0	V	0.0	4.0
1706.125000	---	37.37	54.00	16.63	500.0	100.0	V	186.0	5.4
1991.375000	49.55	---	68.20	18.65	500.0	200.0	V	237.0	6.5
2234.625000	---	38.41	54.00	15.59	500.0	200.0	V	302.0	7.4
2643.250000	52.64	---	68.20	15.56	500.0	200.0	V	0.0	8.6
2707.125000	---	40.69	54.00	13.31	500.0	200.0	V	333.0	8.7
3533.125000	55.31	---	68.20	12.89	500.0	100.0	V	114.0	11.1
3998.625000	---	47.41	54.00	6.59	500.0	200.0	H	30.0	12.2
4438.750000	57.74	---	68.20	10.46	500.0	200.0	V	268.0	13.1
7707.750000	---	51.75	54.00	2.25	500.0	200.0	V	149.0	18.9
7981.625000	64.10	---	68.20	4.10	500.0	200.0	V	237.0	19.8

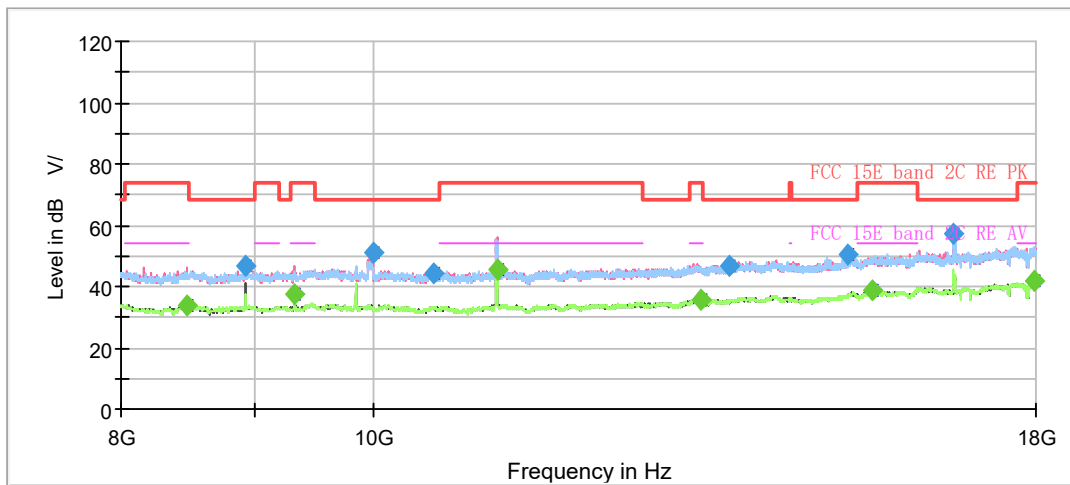
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT20) CH116



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



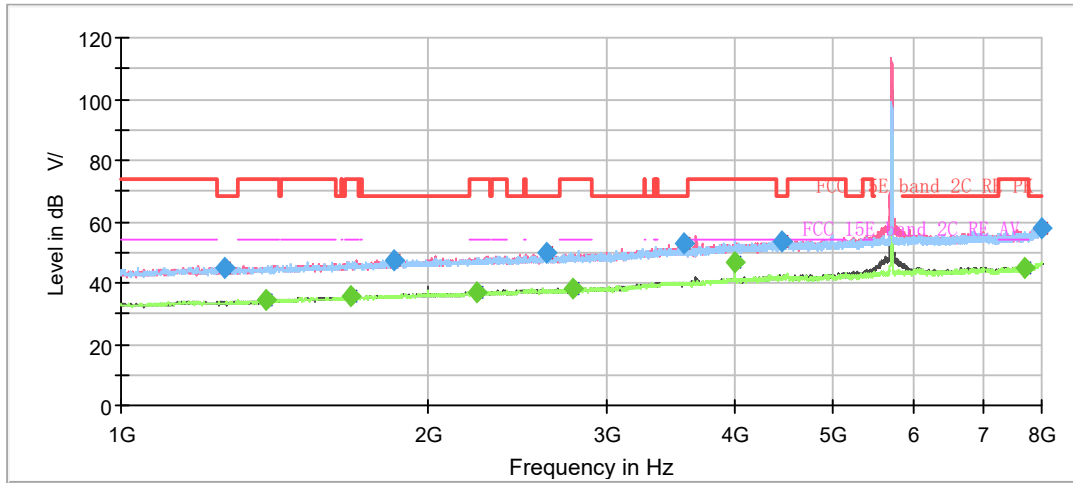
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1248.500000	46.37	---	68.20	21.83	500.0	200.0	V	119.0	3.1
1374.500000	---	38.88	54.00	15.12	500.0	200.0	V	125.0	3.8
1662.375000	---	37.45	54.00	16.55	500.0	200.0	V	177.0	5.2
1992.250000	49.68	---	68.20	18.52	500.0	200.0	V	184.0	6.5
2251.250000	---	39.04	54.00	14.96	500.0	100.0	V	346.0	7.4
2683.500000	52.28	---	68.20	15.92	500.0	100.0	V	226.0	8.7
2810.375000	---	41.02	54.00	12.98	500.0	200.0	V	101.0	9.0
3397.500000	54.97	---	68.20	13.23	500.0	200.0	V	171.0	10.8
3998.625000	---	47.29	54.00	6.71	500.0	200.0	H	350.0	12.2
4458.000000	57.24	---	68.20	10.96	500.0	100.0	V	189.0	13.2
7708.625000	---	51.89	54.00	2.11	500.0	200.0	V	2.0	18.9
7900.250000	64.15	---	68.20	4.05	500.0	200.0	V	210.0	19.5

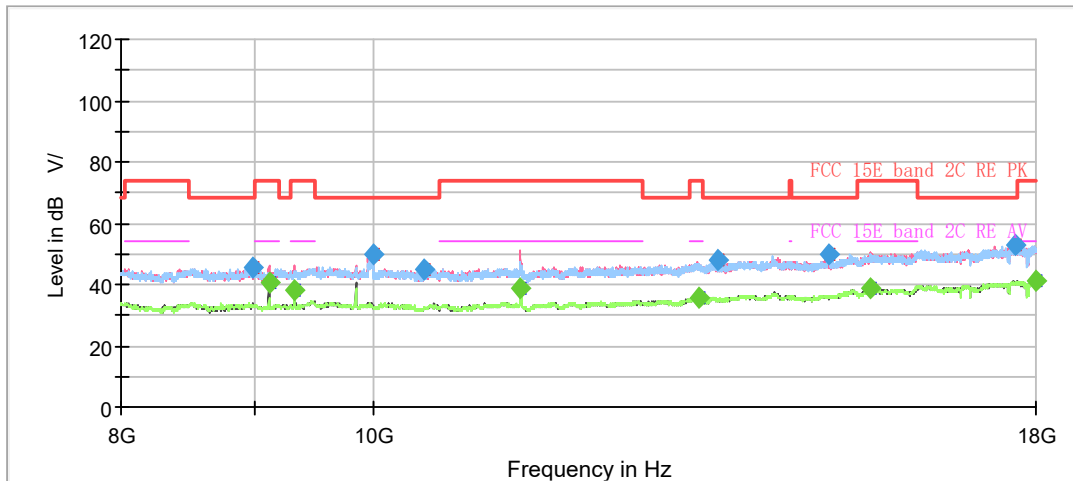
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT20) CH140



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



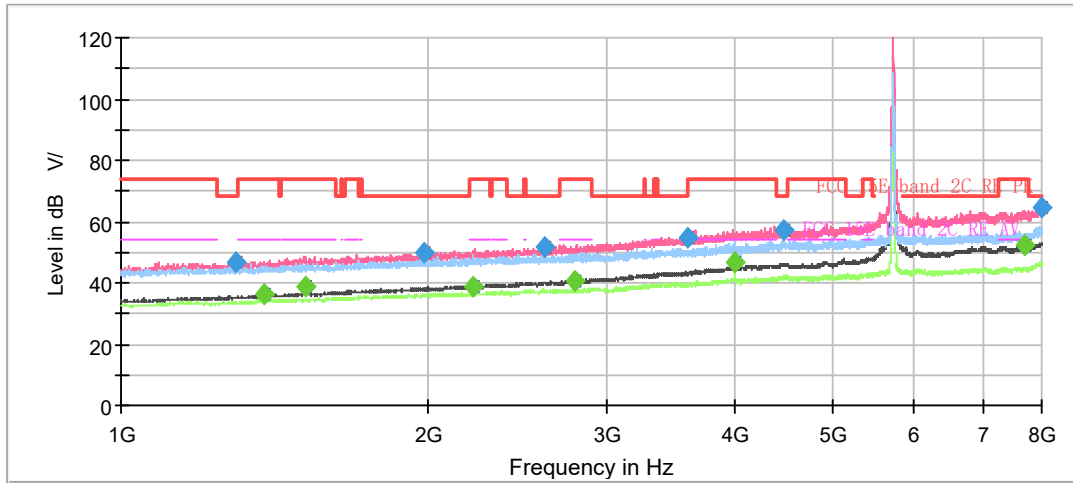
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1262.500000	45.17	---	68.20	23.03	500.0	100.0	V	307.0	3.2
1390.250000	---	34.49	54.00	19.51	500.0	200.0	H	199.0	3.9
1677.250000	---	35.90	54.00	18.10	500.0	200.0	V	71.0	5.2
1854.000000	47.67	---	68.20	20.53	500.0	100.0	H	194.0	6.0
2229.375000	---	36.66	54.00	17.34	500.0	100.0	V	155.0	7.3
2614.375000	50.12	---	68.20	18.08	500.0	200.0	V	35.0	8.5
2778.875000	---	38.42	54.00	15.58	500.0	200.0	V	28.0	8.9
3565.500000	52.76	---	68.20	15.44	500.0	100.0	V	0.0	11.1
3998.625000	---	46.66	54.00	7.34	500.0	200.0	H	27.0	12.2
4458.000000	53.81	---	68.20	14.39	500.0	100.0	H	268.0	13.2
7692.875000	---	45.18	54.00	8.82	500.0	200.0	V	330.0	18.8
7990.375000	57.74	---	68.20	10.46	500.0	200.0	V	47.0	19.9

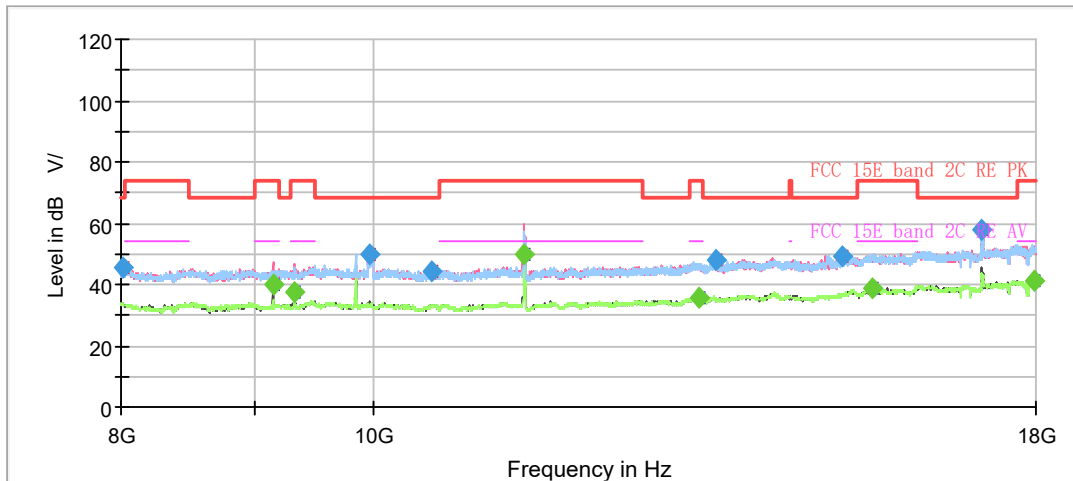
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT20) CH144



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



Radiates Emission from 8GHz to 18GHz

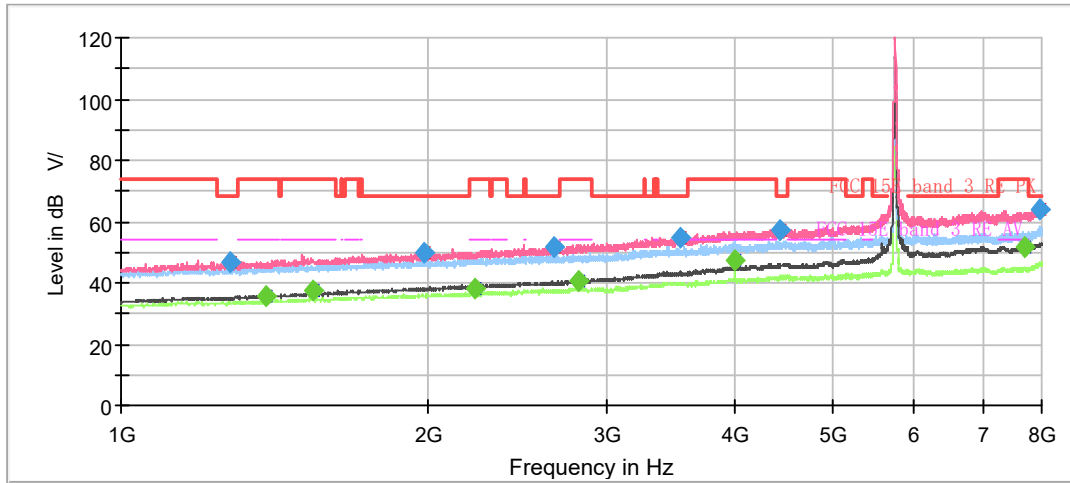


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1297.500000	46.64	---	68.20	21.56	500.0	200.0	V	0.0	3.4
1380.625000	---	36.12	54.00	17.88	500.0	100.0	V	268.0	3.8
1516.250000	---	38.53	54.00	15.47	500.0	200.0	V	108.0	4.6
1982.625000	49.84	---	68.20	18.36	500.0	200.0	V	175.0	6.5
2218.000000	---	38.54	54.00	15.46	500.0	100.0	V	226.0	7.3
2601.250000	51.47	---	68.20	16.73	500.0	100.0	V	279.0	8.5
2791.125000	---	40.81	54.00	13.19	500.0	100.0	V	89.0	8.9
3594.375000	55.07	---	68.20	13.13	500.0	100.0	V	315.0	11.1
3998.625000	---	46.75	54.00	7.25	500.0	200.0	H	349.0	12.2
4460.625000	57.16	---	68.20	11.04	500.0	100.0	V	279.0	13.2
7706.000000	---	52.06	54.00	1.94	500.0	100.0	V	166.0	18.9
7986.875000	64.64	---	68.20	3.56	500.0	100.0	V	320.0	19.9
11437.500000	---	49.68	54.00	4.32	500.0	200.0	V	185.0	-0.3

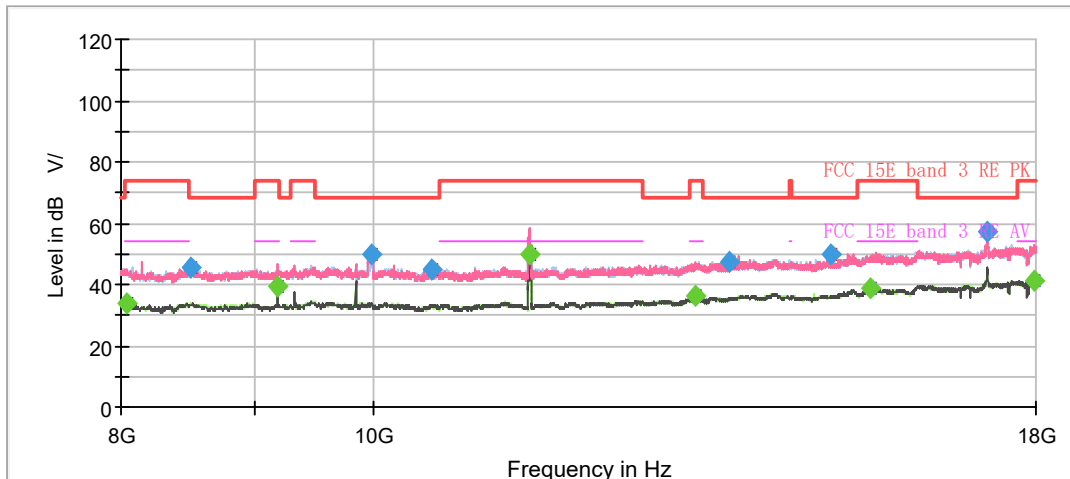
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT20) CH149



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.

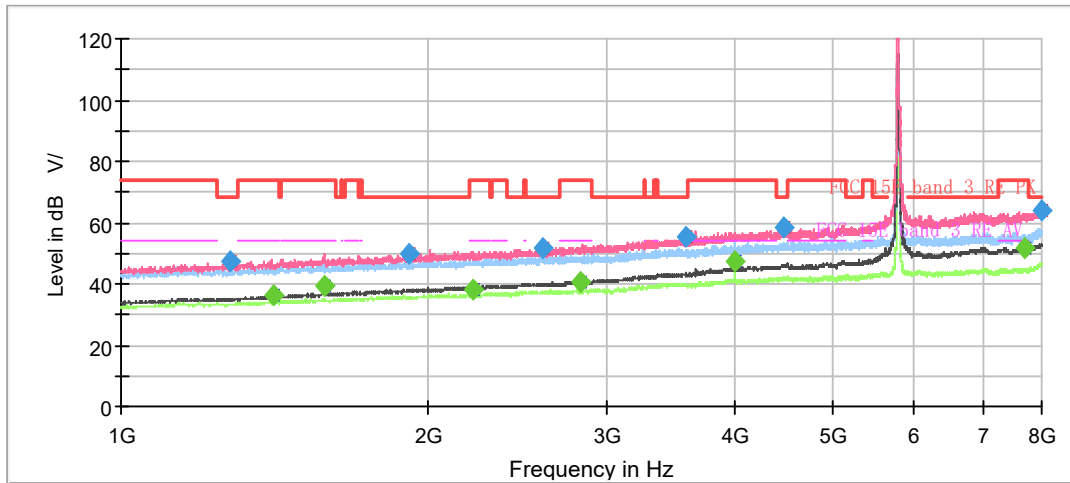


Radiates Emission from 8GHz to 18GHz

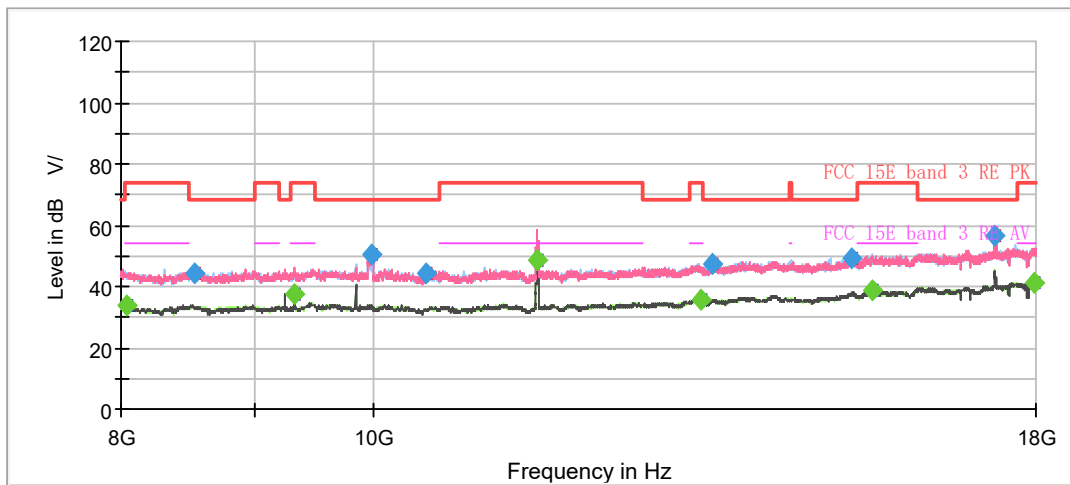
Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1281.750000	46.75	---	68.20	21.45	500.0	100.0	V	342.0	3.3
1385.875000	---	35.92	54.00	18.08	500.0	200.0	V	144.0	3.9
1539.875000	---	37.74	54.00	16.26	500.0	200.0	V	240.0	4.7
1980.875000	49.75	---	68.20	18.45	500.0	100.0	V	34.0	6.4
2223.250000	---	38.44	54.00	15.56	500.0	100.0	V	274.0	7.3
2657.250000	51.83	---	68.20	16.37	500.0	100.0	V	16.0	8.6
2814.750000	---	40.76	54.00	13.24	500.0	200.0	V	124.0	9.0
3541.000000	54.67	---	68.20	13.53	500.0	100.0	V	110.0	11.2
3998.625000	---	47.26	54.00	6.74	500.0	200.0	H	356.0	12.2
4433.500000	57.11	---	68.20	11.09	500.0	100.0	V	28.0	13.1
7715.625000	---	51.87	54.00	2.13	500.0	100.0	V	135.0	18.9
7958.000000	63.99	---	68.20	4.21	500.0	100.0	V	153.0	19.7
11487.500000	---	49.59	54.00	4.41	500.0	200.0	V	180.0	-0.2

**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**  
**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT20) CH157



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



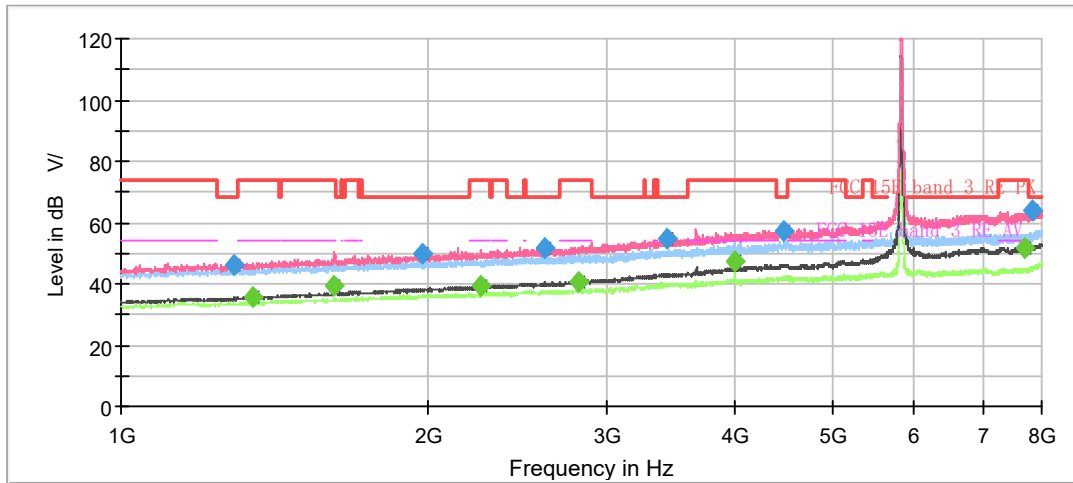
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1281.750000	47.58	---	68.20	20.62	500.0	200.0	V	272.0	3.3
1412.125000	---	36.03	54.00	17.97	500.0	200.0	V	0.0	4.0
1581.000000	---	39.13	54.00	14.87	500.0	200.0	V	128.0	4.8
1917.875000	49.64	---	68.20	18.56	500.0	100.0	V	137.0	6.2
2218.875000	---	38.40	54.00	15.60	500.0	100.0	V	35.0	7.3
2594.250000	51.87	---	68.20	16.33	500.0	200.0	V	217.0	8.5
2816.500000	---	40.75	54.00	13.25	500.0	200.0	V	204.0	9.0
3583.875000	55.19	---	68.20	13.01	500.0	200.0	V	279.0	11.1
3998.625000	---	47.26	54.00	6.74	500.0	200.0	V	335.0	12.2
4466.750000	58.63	---	68.20	9.57	500.0	100.0	V	218.0	13.2
7706.000000	---	51.75	54.00	2.25	500.0	200.0	V	335.0	18.9
7986.875000	64.21	---	68.20	3.99	500.0	100.0	V	0.0	19.9
11570.000000	---	48.72	54.00	5.28	500.0	200.0	V	184.0	-0.1

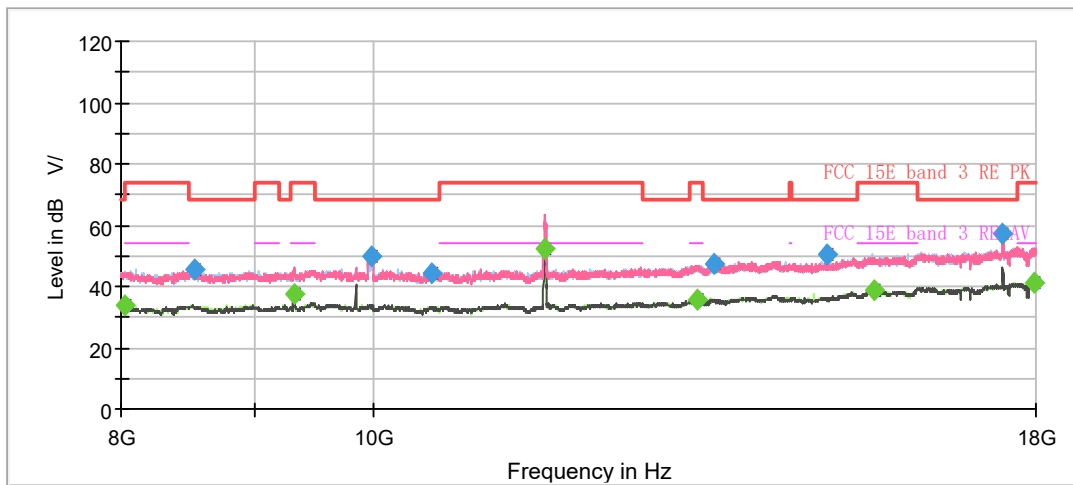
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT20) CH165



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



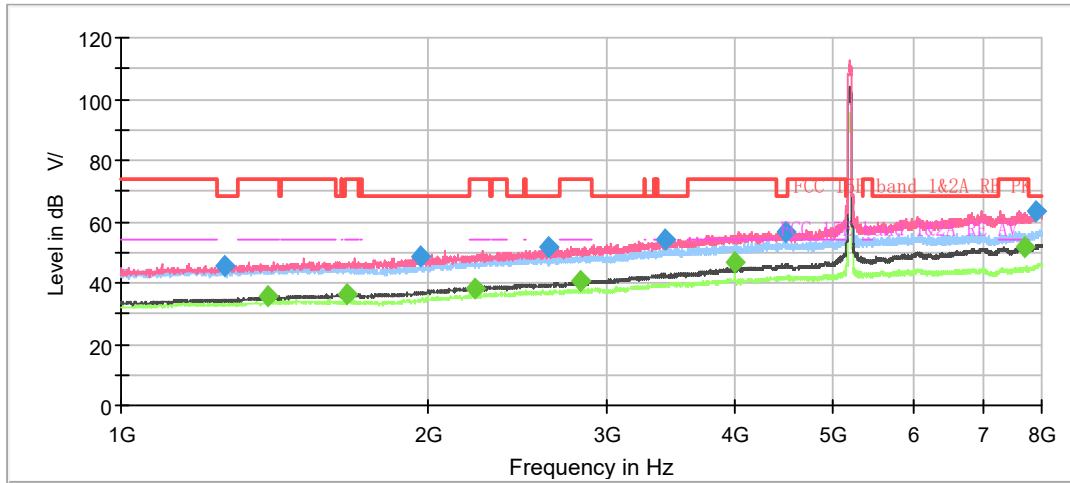
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1291.375000	46.33	---	68.20	21.87	500.0	100.0	V	80.0	3.3
1348.250000	---	35.88	54.00	18.12	500.0	200.0	V	327.0	3.7
1619.500000	---	39.29	54.00	14.71	500.0	200.0	V	106.0	5.0
1978.250000	49.64	---	68.20	18.56	500.0	100.0	V	16.0	6.4
2249.500000	---	39.11	54.00	14.89	500.0	200.0	V	296.0	7.4
2603.000000	51.76	---	68.20	16.44	500.0	200.0	V	211.0	8.5
2815.625000	---	40.91	54.00	13.09	500.0	100.0	V	264.0	9.0
3437.750000	54.69	---	68.20	13.51	500.0	100.0	V	189.0	10.9
3998.625000	---	47.46	54.00	6.54	500.0	200.0	H	27.0	12.2
4463.250000	57.14	---	68.20	11.06	500.0	100.0	V	104.0	13.2
7694.625000	---	51.80	54.00	2.20	500.0	100.0	V	57.0	18.8
7847.750000	64.05	---	68.20	4.15	500.0	200.0	V	352.0	19.3
11652.500000	---	52.22	54.00	1.78	500.0	200.0	V	184.0	0.0

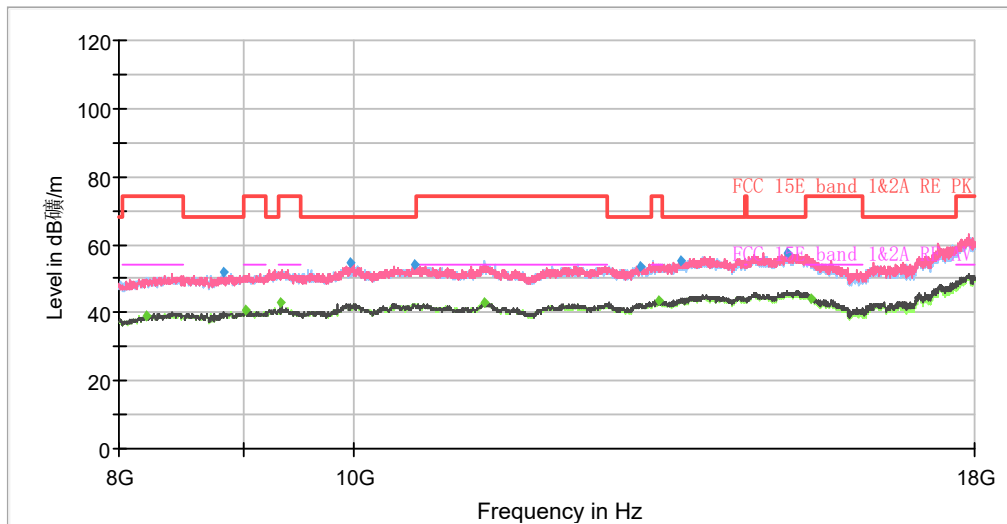
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT40) CH38



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



Radiates Emission from 8GHz to 18GHz

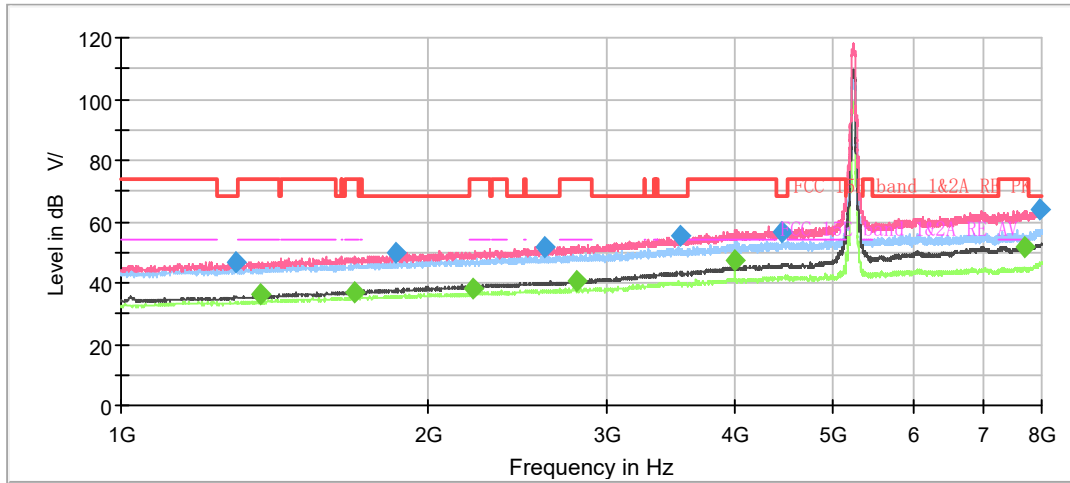


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1261.625000	45.76	---	68.20	22.44	500.0	200.0	V	43.0	3.2
1392.000000	---	35.61	54.00	18.39	500.0	200.0	V	108.0	3.9
1664.125000	---	36.24	54.00	17.76	500.0	200.0	V	149.0	5.2
1968.625000	48.54	---	68.20	19.66	500.0	200.0	V	24.0	6.4
2220.625000	---	38.16	54.00	15.84	500.0	200.0	V	102.0	7.3
2622.250000	51.92	---	68.20	16.28	500.0	200.0	V	43.0	8.5
2820.000000	---	40.46	54.00	13.54	500.0	200.0	V	163.0	9.0
3420.250000	54.22	---	68.20	13.98	500.0	200.0	V	48.0	10.8
3998.625000	---	46.56	54.00	7.44	500.0	200.0	H	33.0	12.2
4495.625000	56.88	---	68.20	11.32	500.0	200.0	V	123.0	13.4
7685.000000	---	51.64	54.00	2.36	500.0	200.0	V	169.0	18.8
7891.500000	63.11	---	68.20	5.09	500.0	200.0	V	67.0	19.5

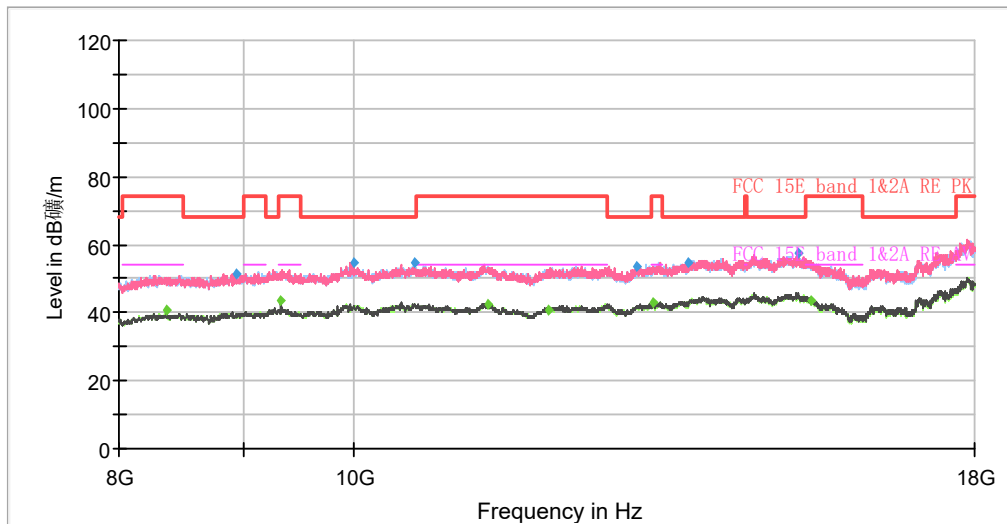
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT40) CH46



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



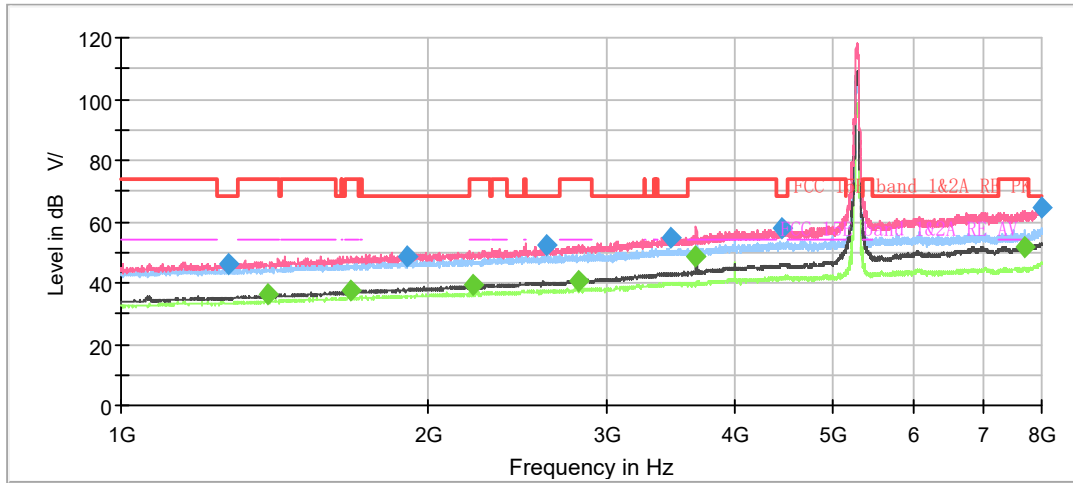
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1298.375000	46.62	---	68.20	21.58	500.0	100.0	V	199.0	3.4
1371.875000	---	36.05	54.00	17.95	500.0	100.0	V	92.0	3.8
1695.625000	---	37.22	54.00	16.78	500.0	100.0	V	346.0	5.3
1861.875000	49.67	---	68.20	18.53	500.0	100.0	V	67.0	6.0
2211.875000	---	38.41	54.00	15.59	500.0	200.0	V	323.0	7.3
2608.250000	51.96	---	68.20	16.24	500.0	100.0	V	291.0	8.5
2803.375000	---	40.79	54.00	13.21	500.0	100.0	V	243.0	9.0
3539.250000	55.22	---	68.20	12.98	500.0	200.0	V	126.0	11.2
3998.625000	---	47.16	54.00	6.84	500.0	200.0	H	349.0	12.2
4450.125000	56.64	---	68.20	11.56	500.0	200.0	V	317.0	13.1
7701.625000	---	51.96	54.00	2.04	500.0	100.0	V	67.0	18.8
7962.375000	64.11	---	68.20	4.09	500.0	200.0	V	323.0	19.7

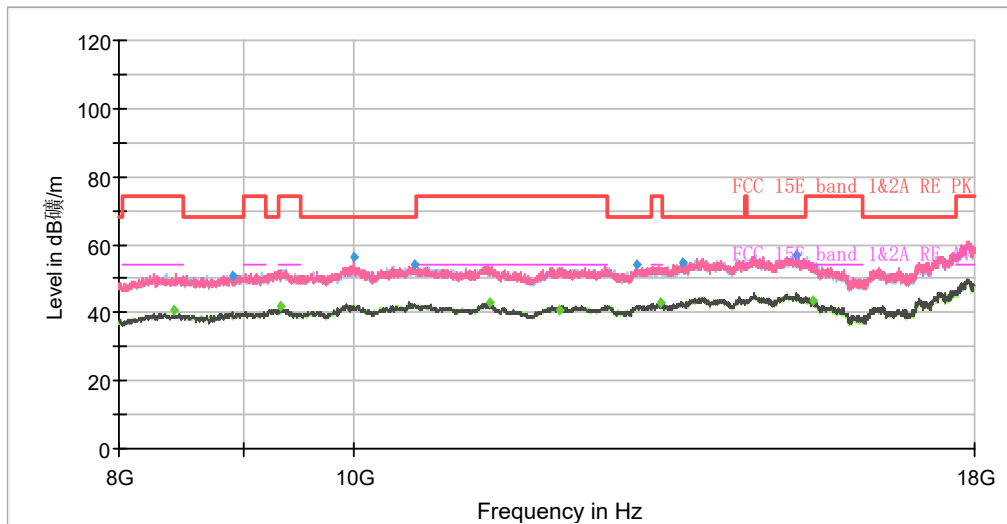
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT40) CH54



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



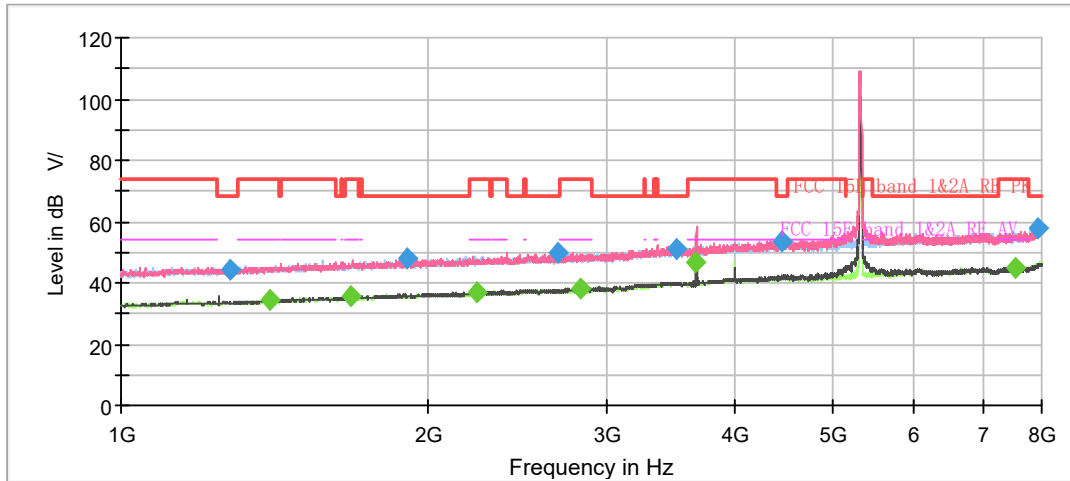
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1273.875000	46.31	---	68.20	21.89	500.0	100.0	V	47.0	3.2
1391.125000	---	36.22	54.00	17.78	500.0	100.0	V	59.0	3.9
1679.875000	---	37.33	54.00	16.67	500.0	100.0	V	0.0	5.3
1910.000000	48.87	---	68.20	19.33	500.0	200.0	V	297.0	6.2
2216.250000	---	39.15	54.00	14.85	500.0	100.0	V	23.0	7.3
2610.875000	52.26	---	68.20	15.94	500.0	200.0	V	352.0	8.5
2806.000000	---	40.71	54.00	13.29	500.0	100.0	V	0.0	9.0
3465.750000	54.83	---	68.20	13.37	500.0	100.0	V	5.0	10.9
3665.250000	---	48.82	54.00	5.18	500.0	100.0	V	347.0	11.4
4444.000000	57.63	---	68.20	10.57	500.0	100.0	V	41.0	13.1
7707.750000	---	51.88	54.00	2.12	500.0	200.0	V	283.0	18.9
8000.000000	64.37	---	68.20	3.83	500.0	200.0	V	359.0	19.9

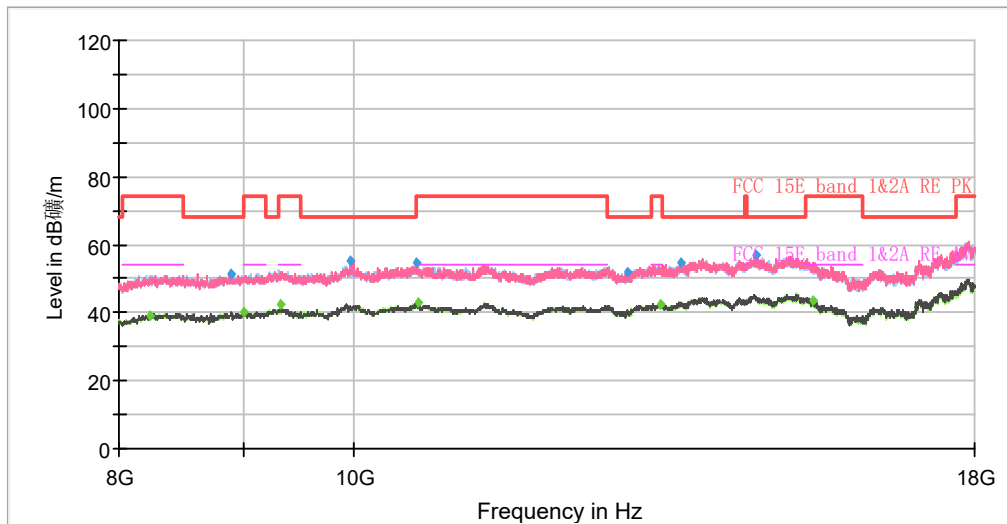
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT40) CH62



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



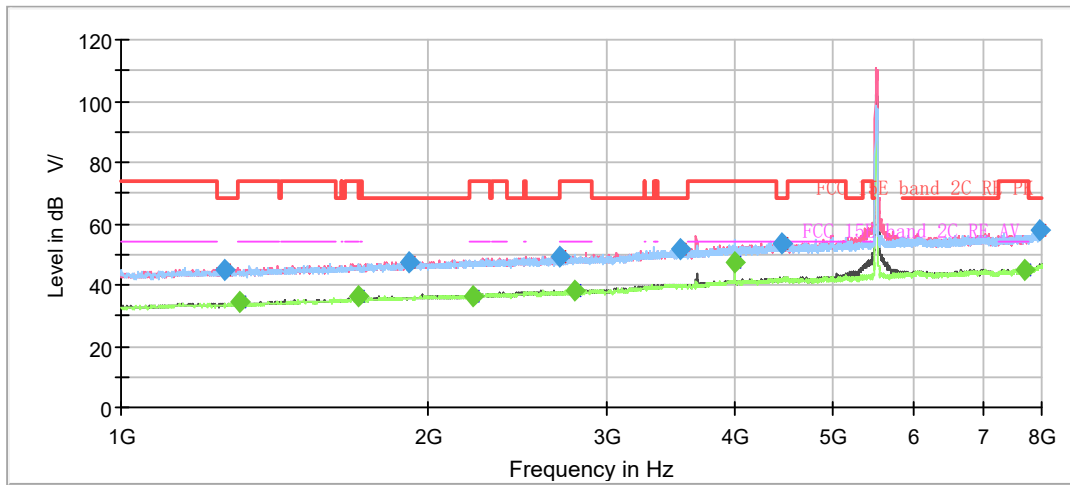
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1277.375000	44.20	---	68.20	24.00	500.0	100.0	V	68.0	3.2
1398.125000	---	34.27	54.00	19.73	500.0	100.0	V	87.0	3.9
1678.125000	---	35.50	54.00	18.50	500.0	200.0	V	49.0	5.2
1906.500000	47.93	---	68.20	20.27	500.0	200.0	V	25.0	6.1
2236.375000	---	36.78	54.00	17.22	500.0	200.0	V	199.0	7.4
2684.375000	49.86	---	68.20	18.34	500.0	200.0	H	237.0	8.7
2824.375000	---	38.29	54.00	15.71	500.0	200.0	H	121.0	9.0
3503.375000	51.36	---	68.20	16.84	500.0	200.0	H	121.0	11.1
3665.250000	---	46.94	54.00	7.06	500.0	200.0	V	0.0	11.4
4454.500000	53.78	---	68.20	14.42	500.0	100.0	H	189.0	13.2
7540.625000	---	44.88	54.00	9.12	500.0	200.0	V	175.0	18.1
7946.625000	57.81	---	68.20	10.39	500.0	200.0	V	0.0	19.7

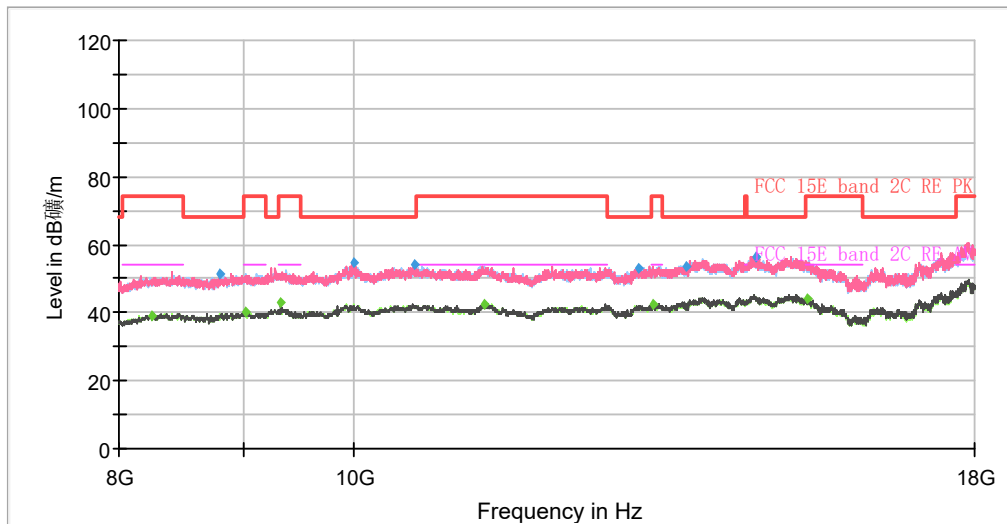
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT40) CH102



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



Radiates Emission from 8GHz to 18GHz

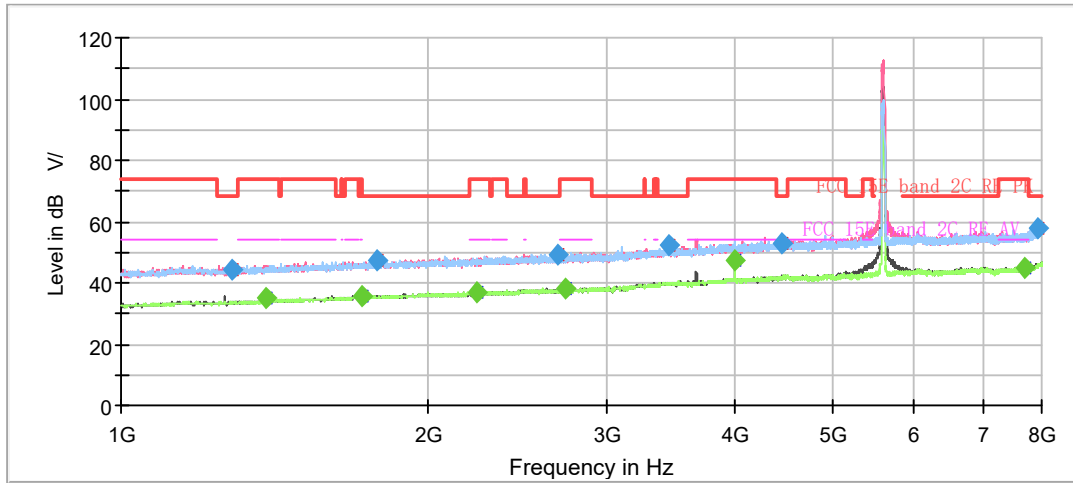


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1261.625000	44.79	---	68.20	23.41	500.0	100.0	V	170.0	3.2
1308.875000	---	34.70	54.00	19.30	500.0	200.0	V	139.0	3.4
1707.875000	---	36.09	54.00	17.91	500.0	100.0	V	92.0	5.4
1919.625000	47.51	---	68.20	20.69	500.0	100.0	H	327.0	6.2
2218.000000	---	36.45	54.00	17.55	500.0	200.0	V	210.0	7.3
2689.625000	49.52	---	68.20	18.68	500.0	200.0	V	347.0	8.7
2789.375000	---	38.06	54.00	15.94	500.0	200.0	V	352.0	8.9
3542.750000	51.57	---	68.20	16.63	500.0	100.0	V	132.0	11.2
3998.625000	---	47.36	54.00	6.64	500.0	200.0	H	352.0	12.2
4451.875000	53.52	---	68.20	14.68	500.0	200.0	V	157.0	13.1
7707.750000	---	45.03	54.00	8.97	500.0	200.0	V	289.0	18.9
7960.625000	57.98	---	68.20	10.22	500.0	200.0	H	62.0	19.7

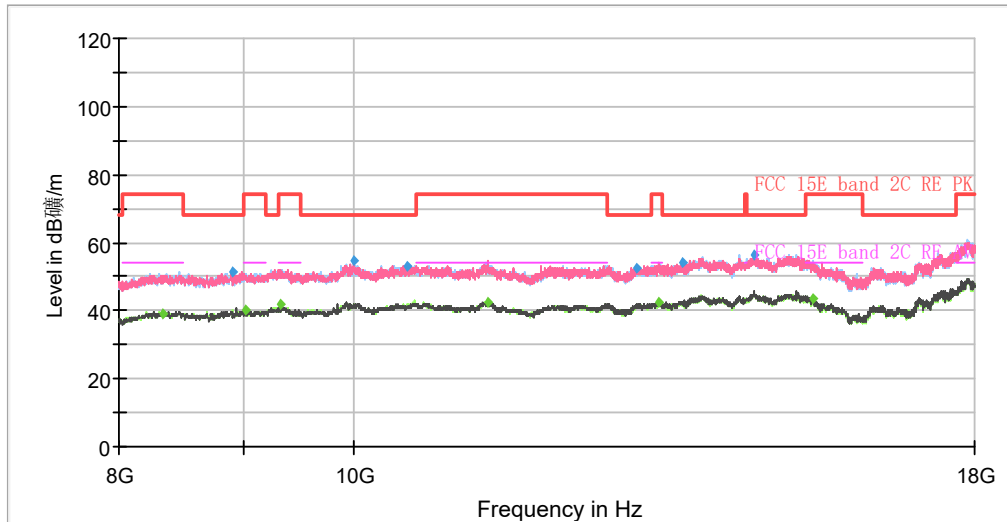
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT40) CH118



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



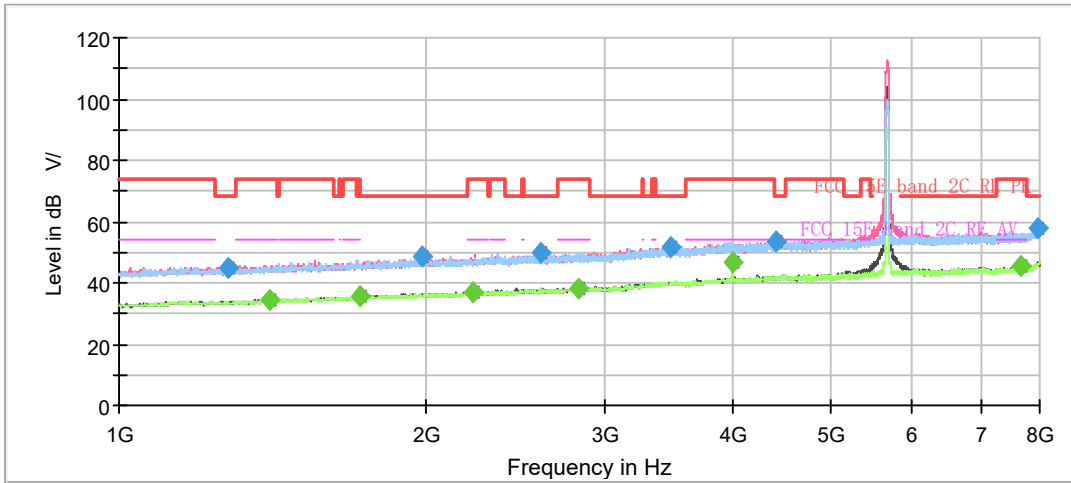
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1287.000000	44.35	---	68.20	23.85	500.0	200.0	V	349.0	3.3
1385.000000	---	35.34	54.00	18.66	500.0	200.0	V	223.0	3.9
1720.125000	---	35.59	54.00	18.41	500.0	200.0	V	6.0	5.4
1785.750000	47.55	---	68.20	20.65	500.0	200.0	H	133.0	5.7
2230.250000	---	36.89	54.00	17.11	500.0	200.0	H	25.0	7.4
2679.125000	49.31	---	68.20	18.89	500.0	200.0	V	195.0	8.7
2732.500000	---	38.17	54.00	15.83	500.0	100.0	H	0.0	8.7
3451.750000	52.50	---	68.20	15.70	500.0	100.0	V	255.0	10.9
3998.625000	---	47.22	54.00	6.78	500.0	200.0	H	36.0	12.2
4443.125000	53.23	---	68.20	14.97	500.0	100.0	V	46.0	13.1
7692.875000	---	45.19	54.00	8.81	500.0	100.0	H	225.0	18.8
7943.125000	57.90	---	68.20	10.30	500.0	200.0	H	259.0	19.7

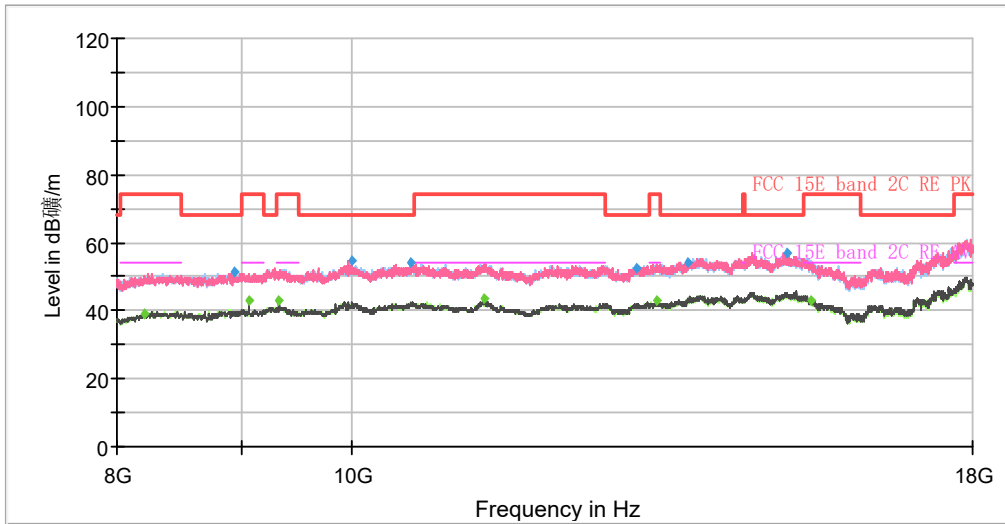
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT40) CH134



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



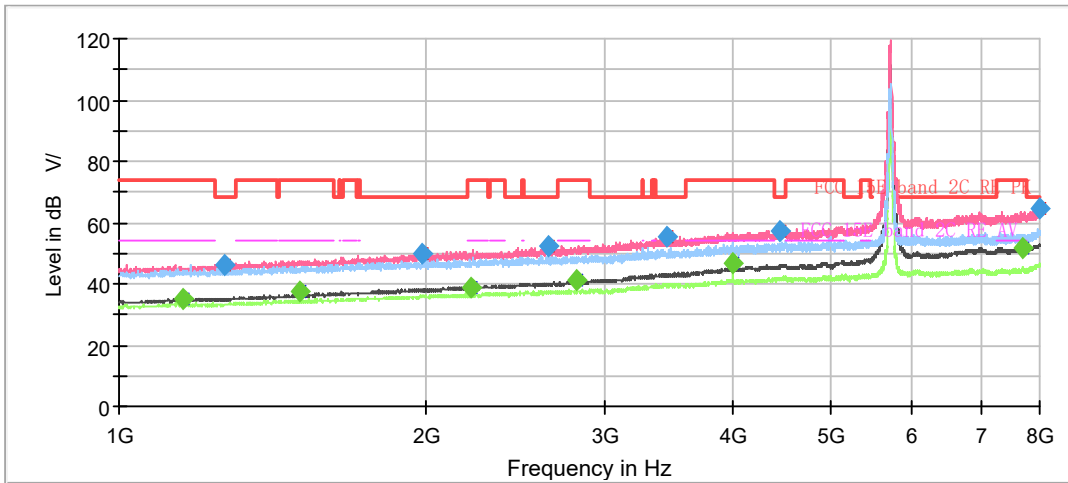
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1278.250000	45.12	---	68.20	23.08	500.0	100.0	H	232.0	3.2
1406.875000	---	34.55	54.00	19.45	500.0	100.0	H	288.0	4.0
1720.125000	---	35.42	54.00	18.58	500.0	200.0	H	15.0	5.4
1983.500000	48.32	---	68.20	19.88	500.0	200.0	H	284.0	6.5
2219.750000	---	36.92	54.00	17.08	500.0	100.0	H	15.0	7.3
2593.375000	50.05	---	68.20	18.15	500.0	200.0	H	354.0	8.5
2826.125000	---	38.25	54.00	15.75	500.0	200.0	V	133.0	9.1
3478.875000	51.69	---	68.20	16.51	500.0	100.0	H	270.0	11.0
3998.625000	---	46.81	54.00	7.19	500.0	200.0	H	27.0	12.2
4415.125000	53.48	---	68.20	14.72	500.0	200.0	H	15.0	13.0
7683.250000	---	45.37	54.00	8.63	500.0	100.0	V	295.0	18.8
7981.625000	57.99	---	68.20	10.21	500.0	200.0	H	65.0	19.8

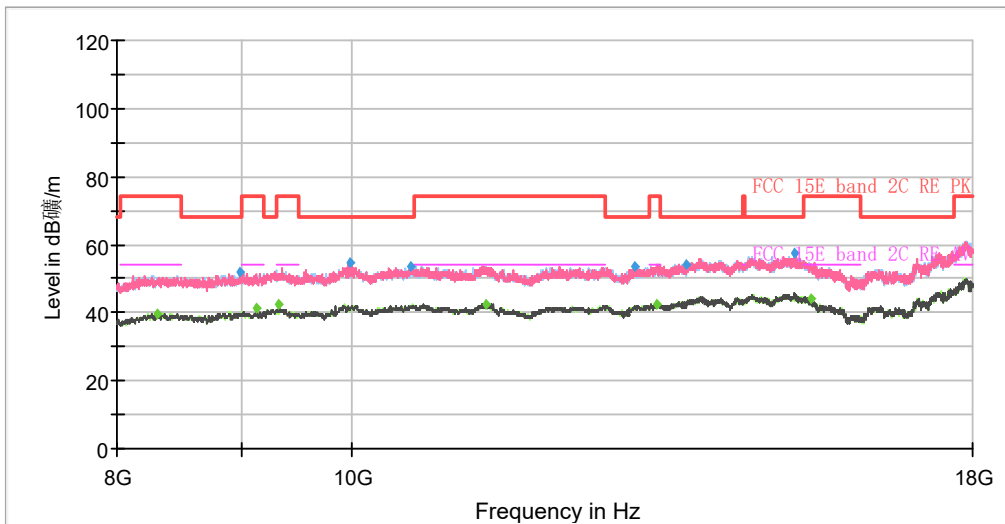
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT40) CH142



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



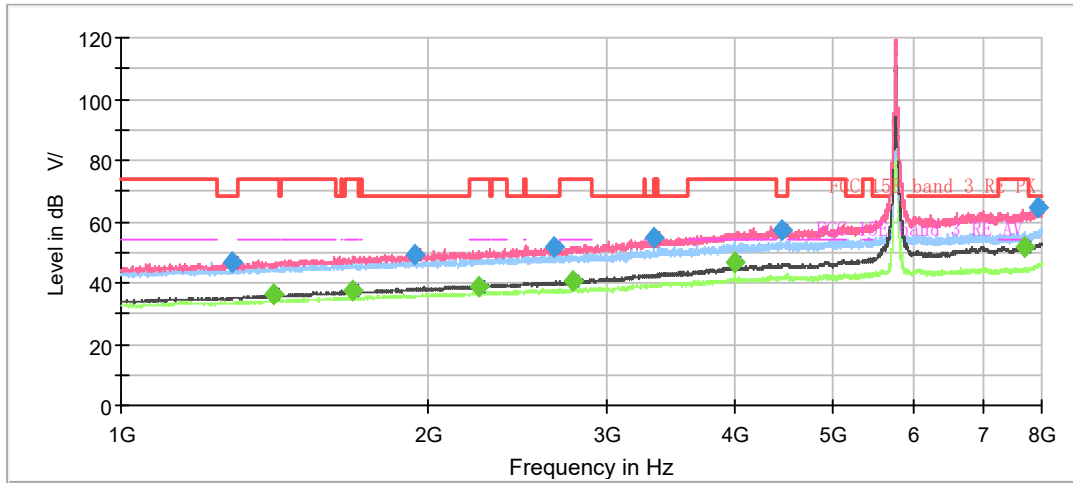
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1156.625000	---	34.90	54.00	19.10	500.0	100.0	V	173.0	2.6
1269.500000	45.96	---	68.20	22.24	500.0	200.0	V	310.0	3.2
1505.750000	---	37.34	54.00	16.66	500.0	200.0	V	347.0	4.6
1980.000000	49.57	---	68.20	18.63	500.0	100.0	V	216.0	6.4
2218.000000	---	38.56	54.00	15.44	500.0	200.0	V	316.0	7.3
2639.750000	52.03	---	68.20	16.17	500.0	200.0	H	286.0	8.6
2810.375000	---	41.00	54.00	13.00	500.0	200.0	V	340.0	9.0
3442.125000	55.35	---	68.20	12.85	500.0	100.0	V	113.0	10.9
3998.625000	---	47.00	54.00	7.00	500.0	200.0	H	352.0	12.2
4450.125000	57.52	---	68.20	10.68	500.0	200.0	V	259.0	13.1
7689.375000	---	51.91	54.00	2.09	500.0	200.0	V	303.0	18.8
7984.250000	64.83	---	68.20	3.37	500.0	100.0	V	100.0	19.8

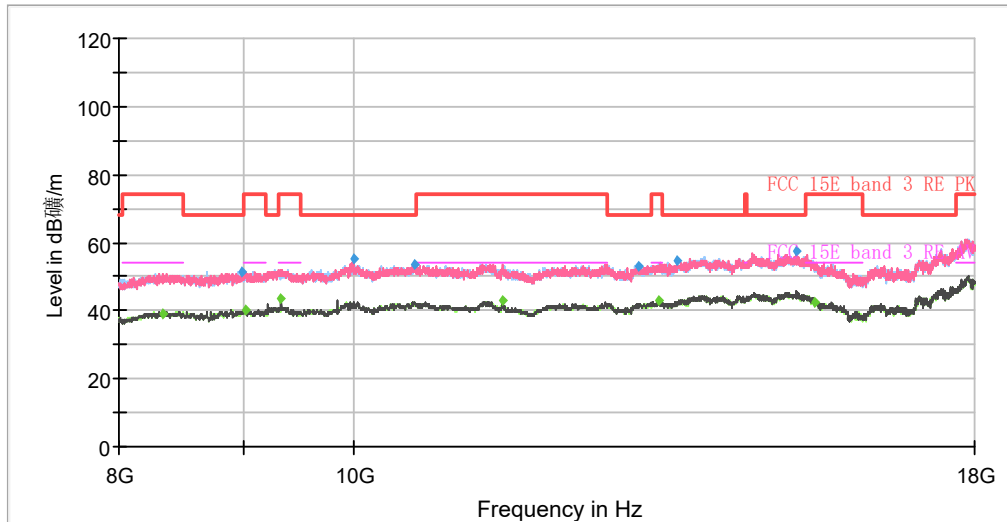
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT40) CH151



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



Radiates Emission from 8GHz to 18GHz

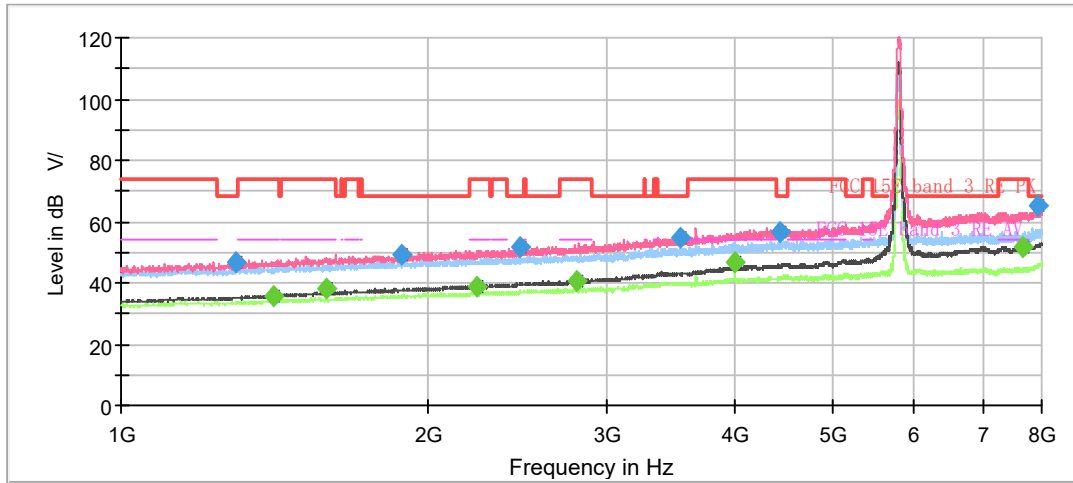


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1285.250000	46.72	---	68.20	21.48	500.0	200.0	V	3.0	3.3
1413.875000	---	36.07	54.00	17.93	500.0	200.0	V	27.0	4.0
1684.250000	---	37.24	54.00	16.76	500.0	100.0	V	106.0	5.3
1938.875000	49.44	---	68.20	18.76	500.0	100.0	V	42.0	6.3
2240.750000	---	38.60	54.00	15.40	500.0	100.0	V	148.0	7.4
2659.000000	51.65	---	68.20	16.55	500.0	200.0	V	27.0	8.6
2771.875000	---	40.81	54.00	13.19	500.0	200.0	V	142.0	8.9
3330.125000	54.74	---	68.20	13.46	500.0	200.0	V	285.0	10.5
3998.625000	---	46.83	54.00	7.17	500.0	100.0	V	350.0	12.2
4450.125000	57.31	---	68.20	10.89	500.0	100.0	V	125.0	13.1
7703.375000	---	51.80	54.00	2.20	500.0	200.0	V	198.0	18.8
7946.625000	64.34	---	68.20	3.86	500.0	200.0	V	21.0	19.7

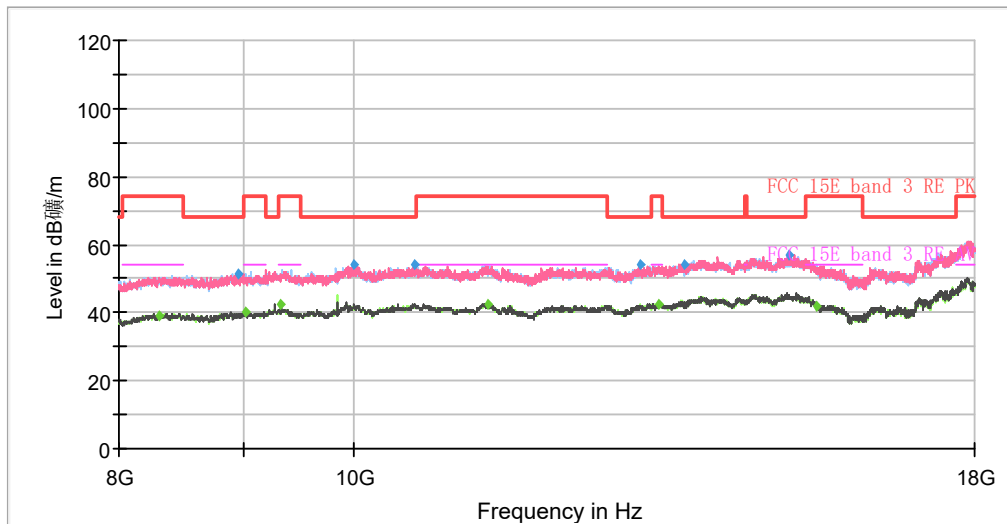
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT40) CH159



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



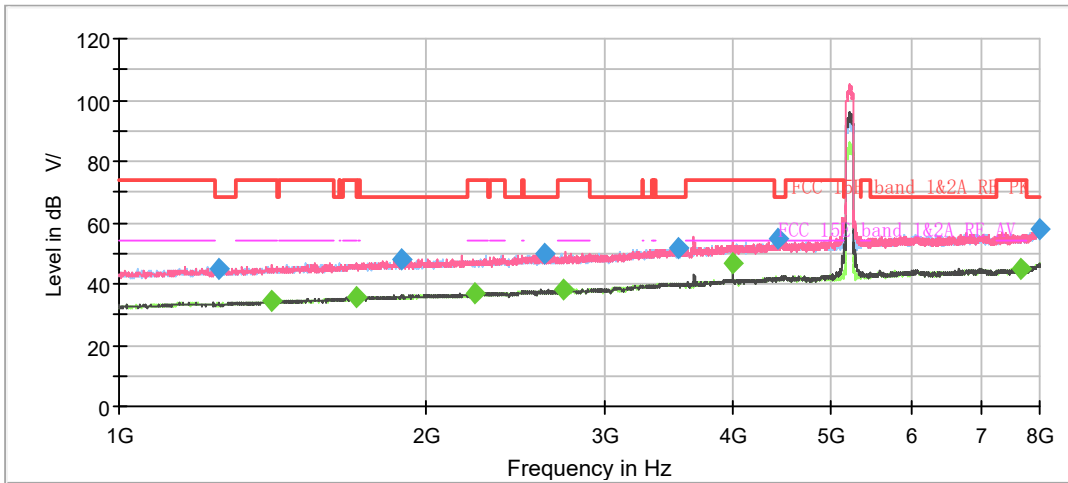
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1295.750000	46.49	---	68.20	21.71	500.0	200.0	V	44.0	3.4
1412.125000	---	35.96	54.00	18.04	500.0	200.0	V	144.0	4.0
1589.750000	---	38.39	54.00	15.61	500.0	100.0	V	27.0	4.8
1886.375000	49.10	---	68.20	19.10	500.0	100.0	V	130.0	6.1
2234.625000	---	38.54	54.00	15.46	500.0	100.0	V	346.0	7.4
2463.000000	51.96	---	68.20	16.24	500.0	200.0	V	211.0	8.1
2800.750000	---	40.73	54.00	13.27	500.0	200.0	V	93.0	9.0
3534.875000	54.69	---	68.20	13.51	500.0	100.0	V	180.0	11.1
3999.500000	---	46.96	54.00	7.04	500.0	200.0	H	352.0	12.2
4424.750000	56.61	---	68.20	11.59	500.0	100.0	V	327.0	13.1
7679.750000	---	51.81	54.00	2.19	500.0	100.0	V	358.0	18.8
7930.875000	65.07	---	68.20	3.13	500.0	200.0	V	69.0	19.6

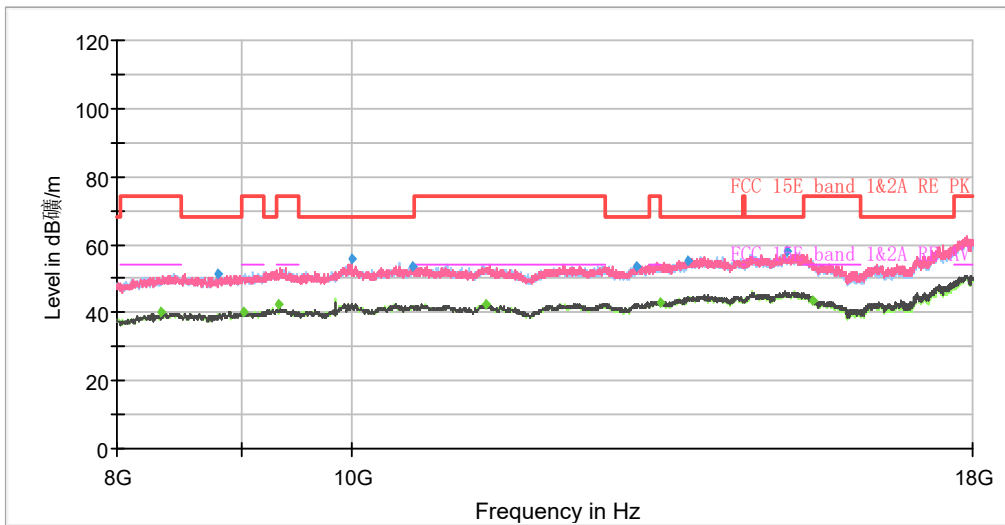
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11ac (VHT80) CH42



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



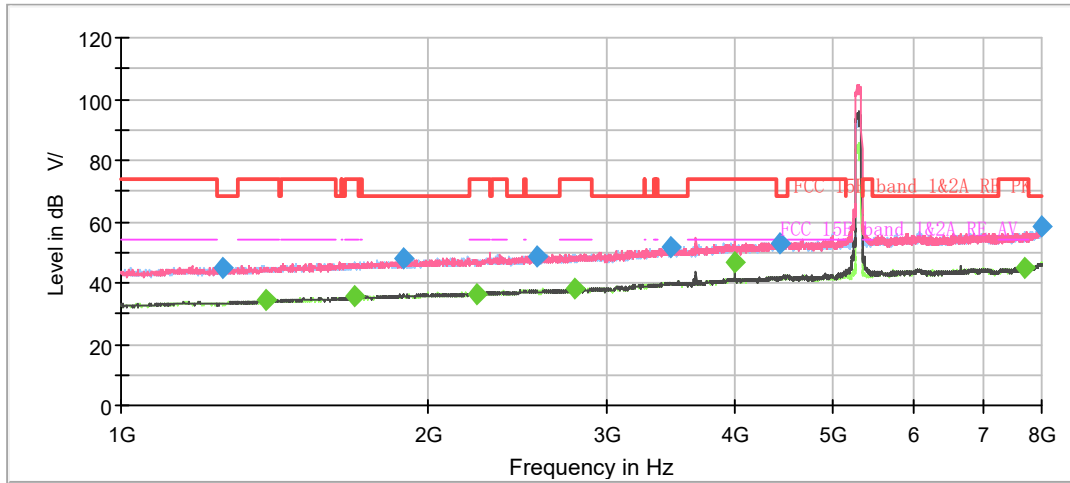
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1252.875000	44.95	---	68.20	23.25	500.0	200.0	V	75.0	3.1
1412.125000	---	34.29	54.00	19.71	500.0	200.0	V	207.0	4.0
1707.875000	---	35.84	54.00	18.16	500.0	200.0	H	102.0	5.4
1893.375000	48.24	---	68.20	19.96	500.0	100.0	V	3.0	6.1
2238.125000	---	36.63	54.00	17.37	500.0	200.0	H	0.0	7.4
2615.250000	49.77	---	68.20	18.43	500.0	200.0	V	243.0	8.5
2729.875000	---	38.17	54.00	15.83	500.0	200.0	V	57.0	8.7
3531.375000	51.84	---	68.20	16.36	500.0	200.0	H	225.0	11.1
3998.625000	---	46.47	54.00	7.53	500.0	200.0	H	350.0	12.2
4437.000000	54.59	---	68.20	13.61	500.0	100.0	V	283.0	13.1
7683.250000	---	44.90	54.00	9.10	500.0	200.0	H	194.0	18.8
8000.000000	57.90	---	68.20	10.30	500.0	200.0	V	94.0	19.9

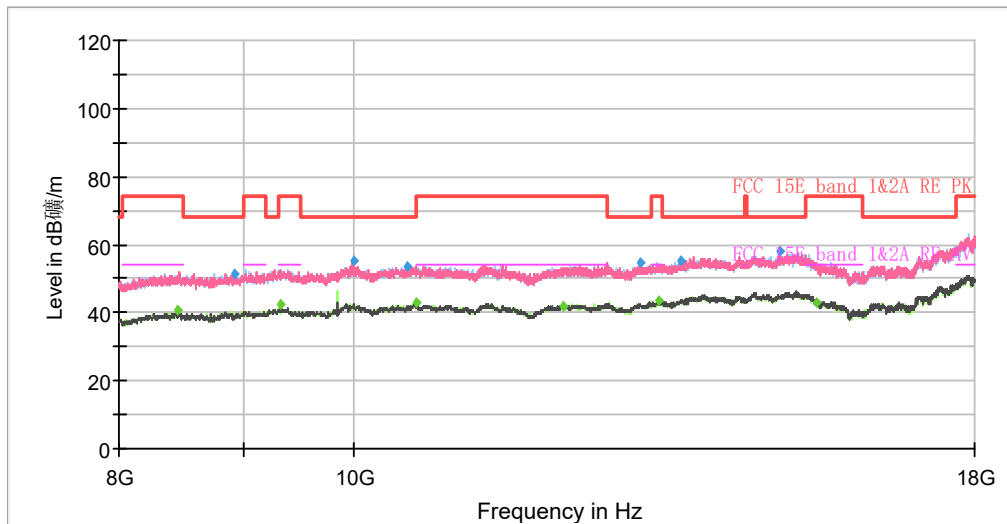
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11ac (VHT80) CH58



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



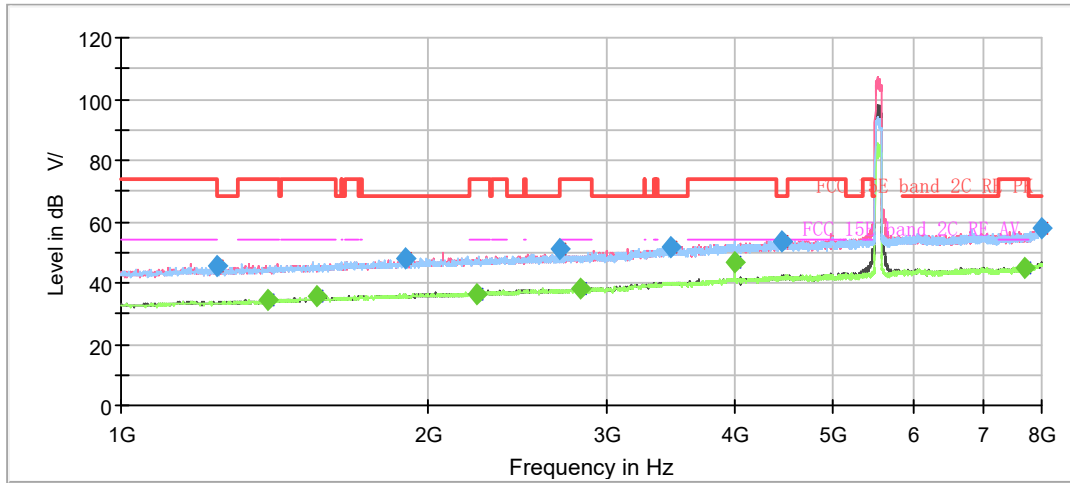
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1260.750000	45.12	---	68.20	23.08	500.0	100.0	V	11.0	3.2
1387.625000	---	34.36	54.00	19.64	500.0	200.0	H	135.0	3.9
1693.875000	---	35.39	54.00	18.61	500.0	100.0	H	160.0	5.3
1896.000000	48.11	---	68.20	20.09	500.0	100.0	V	309.0	6.1
2230.250000	---	36.60	54.00	17.40	500.0	100.0	V	41.0	7.4
2562.750000	48.49	---	68.20	19.71	500.0	200.0	H	65.0	8.4
2781.500000	---	38.08	54.00	15.92	500.0	200.0	V	291.0	8.9
3461.375000	51.92	---	68.20	16.28	500.0	200.0	H	123.0	10.9
3998.625000	---	46.63	54.00	7.37	500.0	200.0	H	354.0	12.2
4430.875000	53.08	---	68.20	15.12	500.0	200.0	H	87.0	13.1
7706.000000	---	45.00	54.00	9.00	500.0	200.0	H	48.0	18.9
8000.000000	58.61	---	68.20	9.59	500.0	200.0	V	54.0	19.9

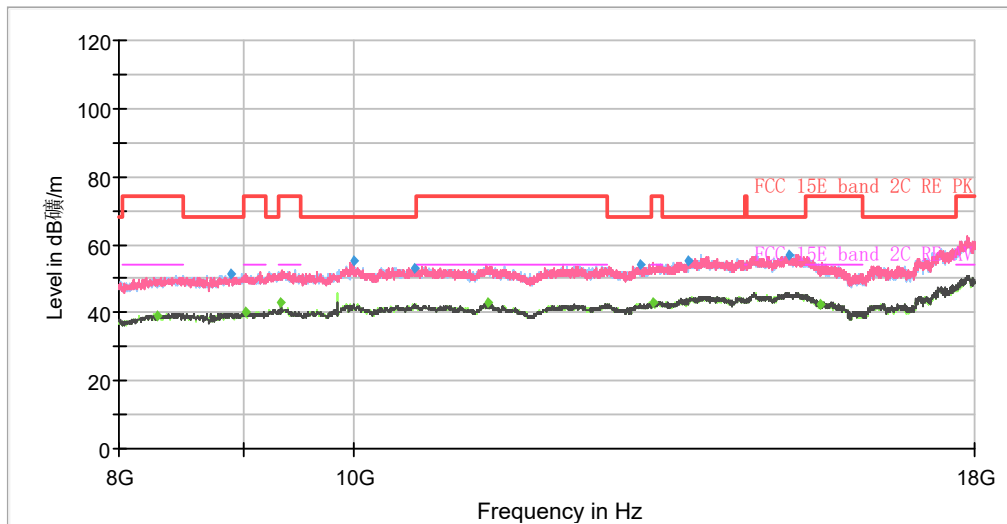
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11ac (VHT80) CH106



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



Radiates Emission from 8GHz to 18GHz

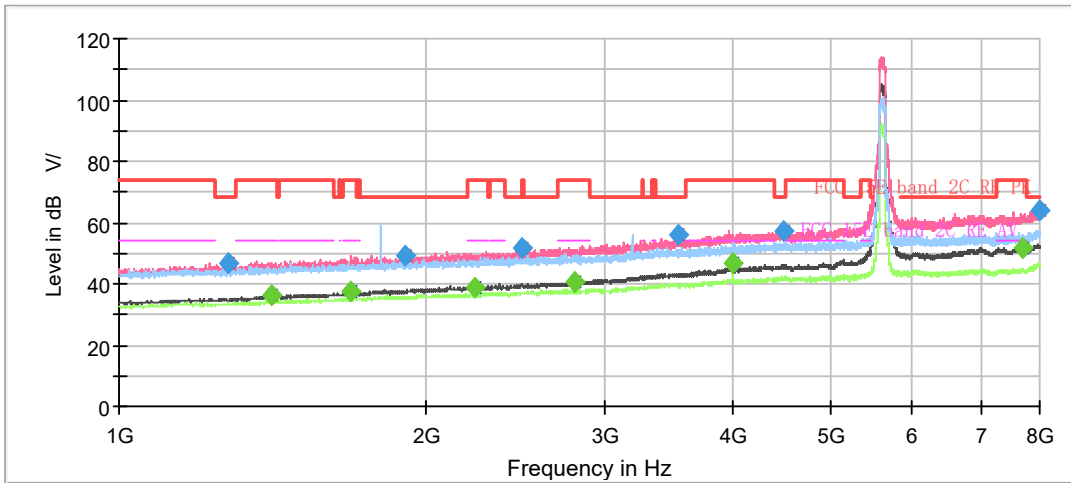


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1241.500000	45.35	---	68.20	22.85	500.0	100.0	H	113.0	3.1
1392.875000	---	34.53	54.00	19.47	500.0	100.0	V	139.0	3.9
1558.250000	---	35.92	54.00	18.08	500.0	200.0	V	217.0	4.7
1897.750000	48.14	---	68.20	20.06	500.0	200.0	V	337.0	6.1
2236.375000	---	36.59	54.00	17.41	500.0	200.0	H	293.0	7.4
2689.625000	51.38	---	68.20	16.82	500.0	200.0	H	343.0	8.7
2827.000000	---	37.92	54.00	16.08	500.0	200.0	V	143.0	9.1
3459.625000	51.83	---	68.20	16.37	500.0	200.0	V	0.0	10.9
3998.625000	---	47.00	54.00	7.00	500.0	200.0	H	349.0	12.2
4458.000000	53.50	---	68.20	14.70	500.0	200.0	V	131.0	13.2
7707.750000	---	45.02	54.00	8.98	500.0	200.0	V	0.0	18.9
7986.000000	58.06	---	68.20	10.14	500.0	100.0	V	345.0	19.9

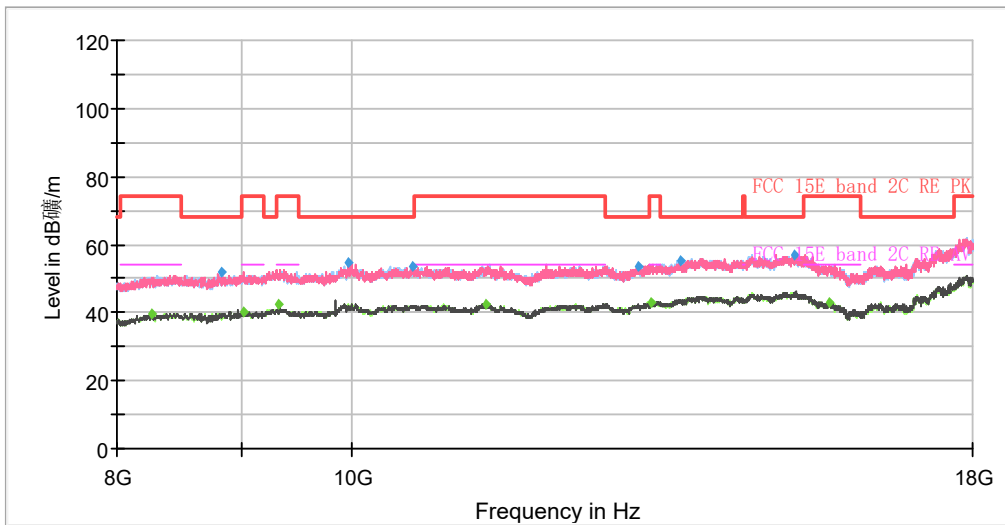
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11ac (VHT80) CH122



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



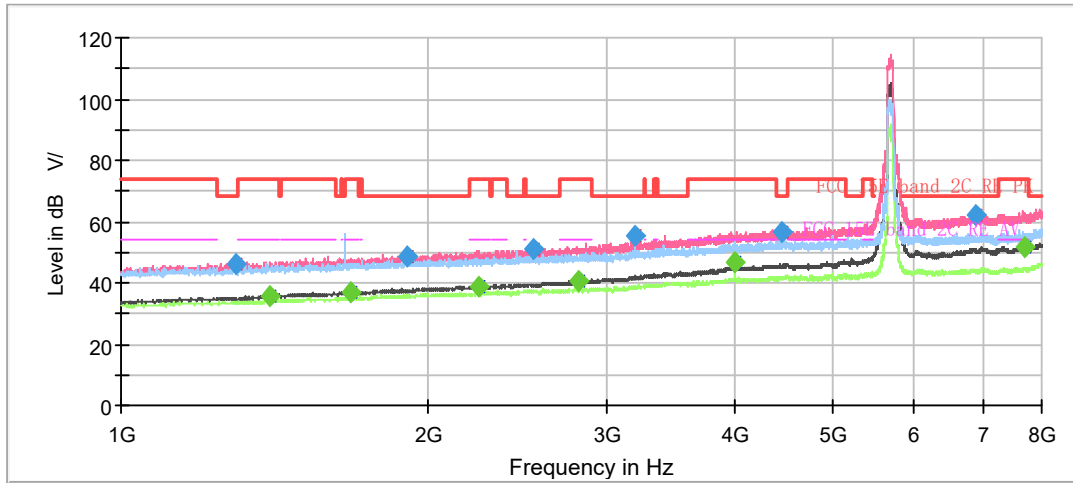
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1281.750000	47.05	---	68.20	21.15	500.0	200.0	V	119.0	3.3
1408.625000	---	36.57	54.00	17.43	500.0	100.0	V	53.0	4.0
1690.375000	---	37.36	54.00	16.64	500.0	200.0	V	74.0	5.3
1907.375000	49.29	---	68.20	18.91	500.0	200.0	V	62.0	6.1
2235.500000	---	38.48	54.00	15.52	500.0	200.0	V	189.0	7.4
2479.625000	51.88	---	68.20	16.32	500.0	200.0	V	81.0	8.1
2796.375000	---	40.81	54.00	13.19	500.0	200.0	V	74.0	9.0
3530.500000	56.15	---	68.20	12.05	500.0	200.0	V	11.0	11.1
3998.625000	---	46.85	54.00	7.15	500.0	200.0	H	350.0	12.2
4480.750000	56.99	---	68.20	11.21	500.0	200.0	V	49.0	13.3
7694.625000	---	51.77	54.00	2.23	500.0	200.0	V	81.0	18.8
7991.250000	63.90	---	68.20	4.30	500.0	200.0	V	94.0	19.9

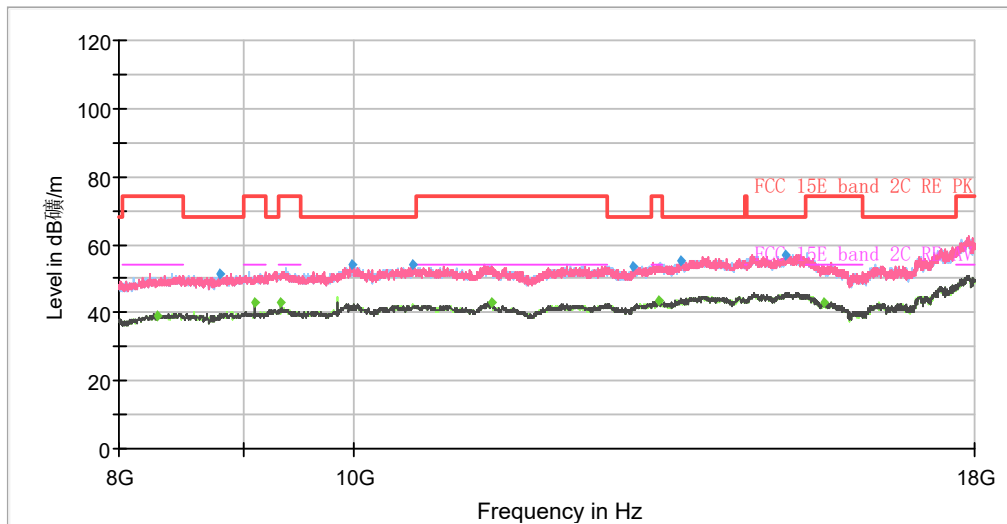
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11ac (VHT80) CH138



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



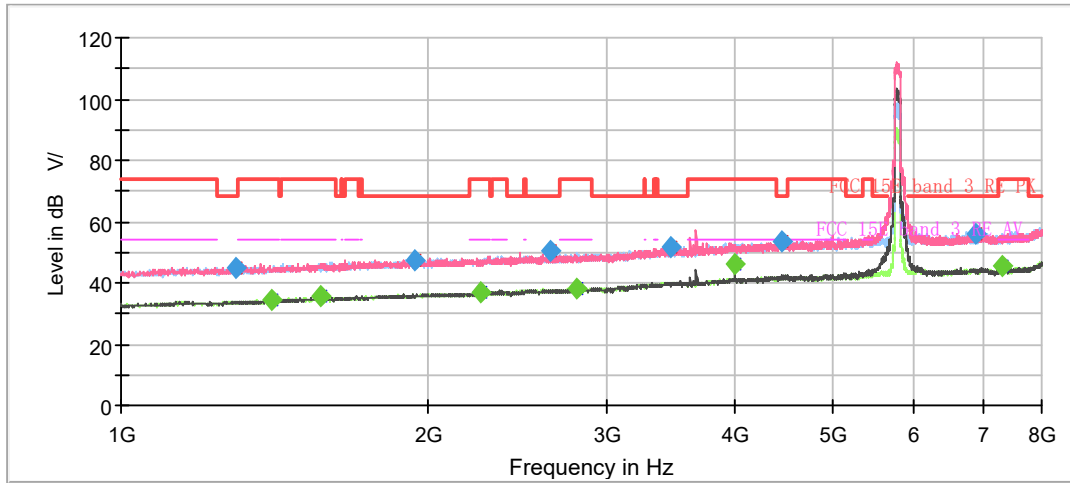
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1298.375000	46.29	---	68.20	21.91	500.0	200.0	V	70.0	3.4
1399.000000	---	35.89	54.00	18.11	500.0	200.0	V	21.0	4.0
1678.125000	---	37.17	54.00	16.83	500.0	200.0	V	113.0	5.2
1906.500000	48.71	---	68.20	19.49	500.0	200.0	V	70.0	6.1
2247.750000	---	38.51	54.00	15.49	500.0	200.0	V	70.0	7.4
2541.750000	51.26	---	68.20	16.94	500.0	200.0	V	3.0	8.3
2812.125000	---	40.65	54.00	13.35	500.0	200.0	V	58.0	9.0
3189.250000	55.53	---	68.20	12.67	500.0	100.0	H	0.0	10.1
3998.625000	---	46.70	54.00	7.30	500.0	200.0	H	0.0	12.2
4454.500000	56.70	---	68.20	11.50	500.0	200.0	V	3.0	13.2
6893.125000	62.22	---	68.20	5.98	500.0	200.0	V	9.0	16.4
7688.500000	---	51.79	54.00	2.21	500.0	200.0	V	52.0	18.8

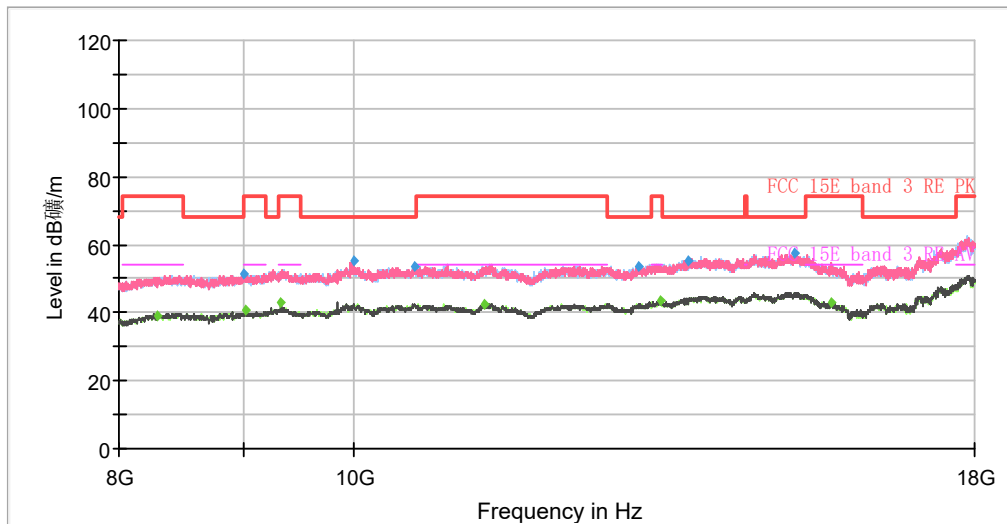
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11ac (VHT80) CH155



Radiates Emission from 1GHz to 8GHz  
 Note: The signal beyond the limit is carrier.



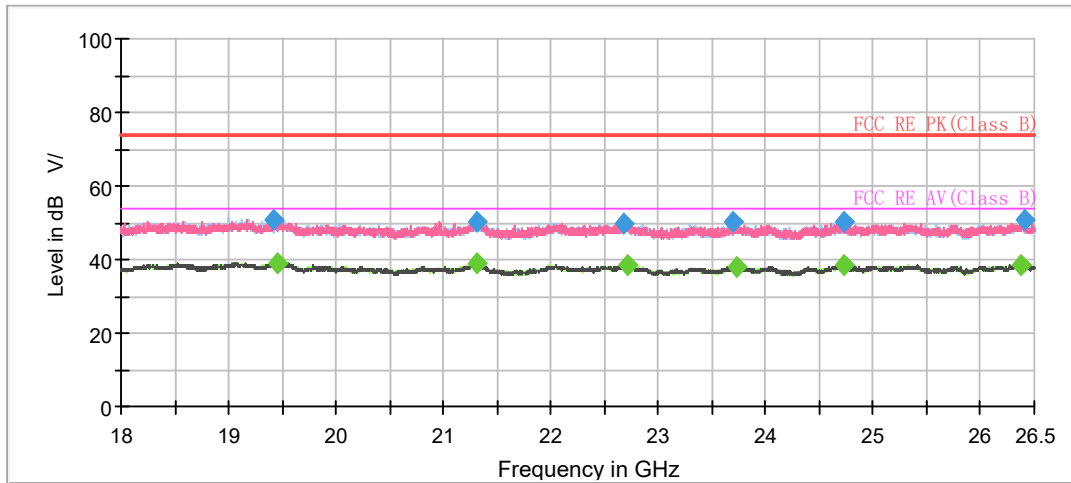
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1294.875000	44.94	---	68.20	23.26	500.0	100.0	V	346.0	3.4
1403.375000	---	34.42	54.00	19.58	500.0	200.0	V	96.0	4.0
1569.625000	---	35.99	54.00	18.01	500.0	200.0	V	41.0	4.8
1938.875000	47.55	---	68.20	20.65	500.0	200.0	H	343.0	6.3
2248.625000	---	36.93	54.00	17.07	500.0	100.0	H	0.0	7.4
2633.625000	50.31	---	68.20	17.89	500.0	100.0	V	209.0	8.5
2793.750000	---	38.38	54.00	15.62	500.0	200.0	H	164.0	9.0
3458.750000	51.65	---	68.20	16.55	500.0	100.0	V	164.0	10.9
3998.625000	---	46.44	54.00	7.56	500.0	200.0	H	0.0	12.2
4453.625000	53.63	---	68.20	14.57	500.0	200.0	H	239.0	13.2
6893.125000	55.82	---	68.20	12.38	500.0	200.0	V	161.0	16.4
7321.000000	---	45.28	54.00	8.72	500.0	200.0	H	202.0	17.6

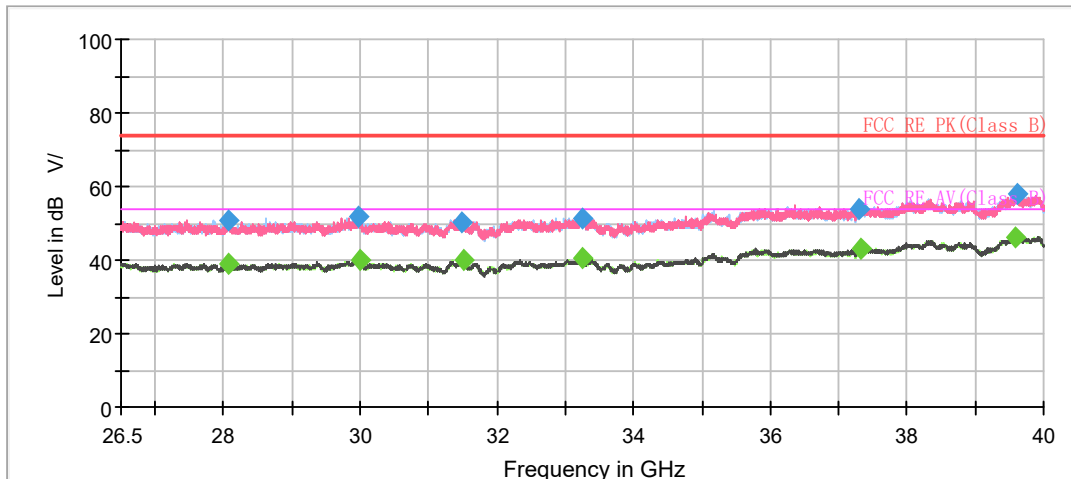
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

During the test, the Radiates Emission from 18GHz to 40GHz was performed in all modes with all channels, 802.11a, Channel 60 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.



Radiates Emission from 18GHz to 26.5GHz



Radiates Emission from 26.5GHz to 40GHz



Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
19418.437500	50.53	---	74.00	23.47	500.0	100.0	V	139.0	-2.8
19455.625000	---	38.95	54.00	15.05	500.0	100.0	V	127.0	-2.8
21305.437500	50.22	---	74.00	23.78	500.0	100.0	V	0.0	-1.8
21317.125000	---	39.01	54.00	14.99	500.0	100.0	H	345.0	-1.8
22671.812500	49.94	---	74.00	24.06	500.0	100.0	V	91.0	-1.7
22711.125000	---	38.50	54.00	15.50	500.0	100.0	H	333.0	-1.7
23702.437500	50.02	---	74.00	23.98	500.0	200.0	V	336.0	-1.2
23737.500000	---	37.78	54.00	16.22	500.0	100.0	V	1.0	-1.1
24729.875000	---	38.38	54.00	15.62	500.0	100.0	H	269.0	-0.6
24730.937500	50.07	---	74.00	23.93	500.0	100.0	H	56.0	-0.6
26371.437500	---	38.71	54.00	15.29	500.0	100.0	V	25.0	0.4
26420.312500	50.88	---	74.00	23.12	500.0	200.0	V	0.0	0.3

**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit-MAX Peak/ Average**

## 5.6. Conducted Emission

### Ambient condition

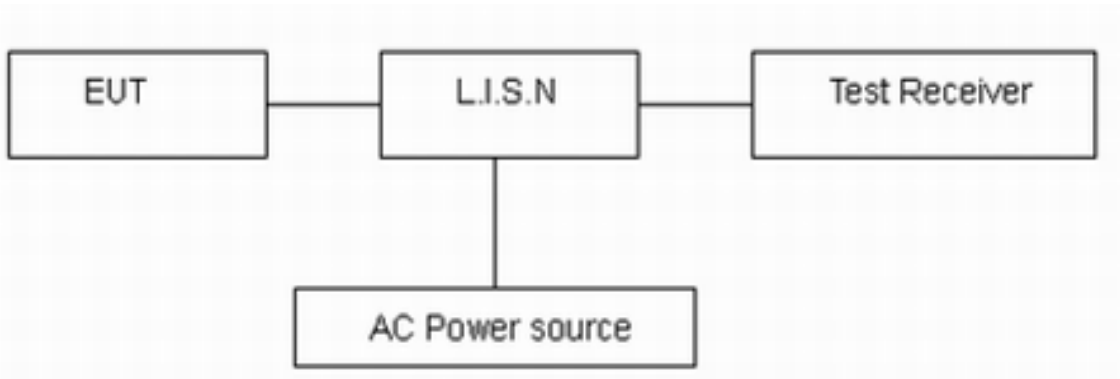
Temperature	Relative humidity	Pressure
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

### Methods of Measurement

The EUT IS placed on a non-metallic table of 80cm height above the horizontal metal reference ground plane. During the test, the EUT was operating in its typical mode. The test method is according to ANSI C63.10. Connect the AC power line of the EUT to the LISN Use EMI receiver to detect the average and Quasi-peak value. RBW is set to 9kHz, VBW is set to 30kHz The measurement result should include both L line and N line.

The test is in transmitting mode.

### Test Setup



Note: AC Power source is used to change the voltage 120V/60Hz.

### Limits

Frequency (MHz)	Conducted Limits(dB $\mu$ V)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56 *	56 to 46*
0.5 - 5	56	46
5 - 30	60	50

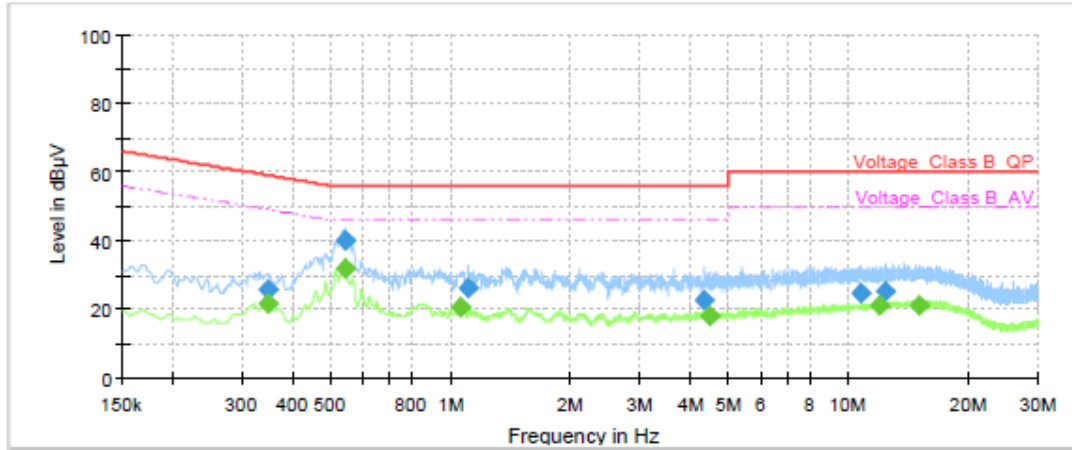
\*: Decreases with the logarithm of the frequency.

### Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor  $k = 1.96$ ,  $U = 2.69$  dB.

**Test Results:**

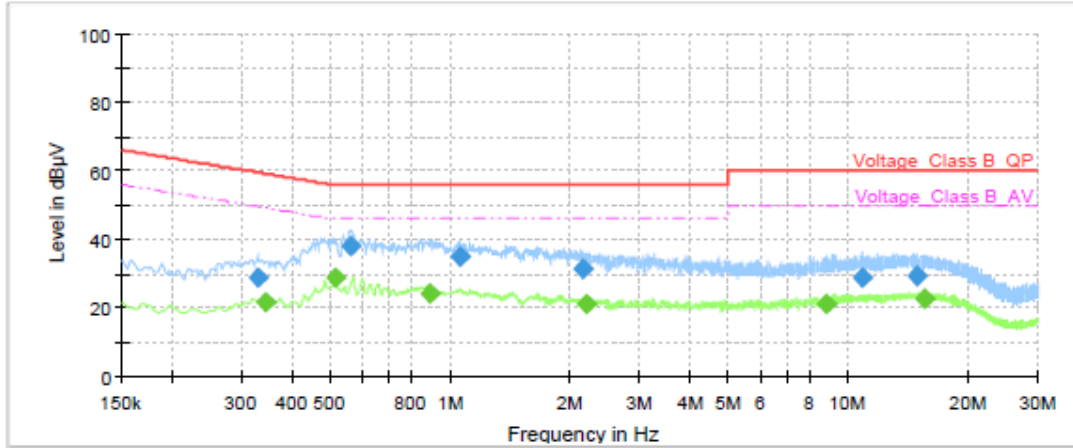
Following plots, Blue trace uses the peak detection and Green trace uses the average detection. During the test, the Conducted Emission was performed in all modes with all channels, 802.11a, Channel 60 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.



Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.35	---	21.53	49.01	27.48	1000.0	9.000	L1	ON	21.0
0.35	25.86	---	59.01	33.15	1000.0	9.000	L1	ON	21.0
0.54	---	31.83	46.00	14.17	1000.0	9.000	L1	ON	20.8
0.54	40.19	---	56.00	15.81	1000.0	9.000	L1	ON	20.8
1.06	---	20.35	46.00	25.65	1000.0	9.000	L1	ON	20.2
1.11	26.12	---	56.00	29.88	1000.0	9.000	L1	ON	20.2
4.36	22.43	---	56.00	33.57	1000.0	9.000	L1	ON	19.5
4.48	---	17.81	46.00	28.19	1000.0	9.000	L1	ON	19.5
10.80	24.75	---	60.00	35.25	1000.0	9.000	L1	ON	19.5
12.03	---	20.80	50.00	29.20	1000.0	9.000	L1	ON	19.6
12.44	25.08	---	60.00	34.92	1000.0	9.000	L1	ON	19.6
15.02	---	21.23	50.00	28.77	1000.0	9.000	L1	ON	19.6

**Remark: Correct factor=cable loss + LISN factor**

L line Conducted Emission from 150 KHz to 30 MHz



Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.33	28.94	---	59.51	30.57	1000.0	9.000	N	ON	21.0
0.35	---	21.48	49.06	27.58	1000.0	9.000	N	ON	21.0
0.51	---	28.60	46.00	17.40	1000.0	9.000	N	ON	20.9
0.56	37.80	---	56.00	18.20	1000.0	9.000	N	ON	20.8
0.89	---	24.26	46.00	21.74	1000.0	9.000	N	ON	20.3
1.06	35.08	---	56.00	20.92	1000.0	9.000	N	ON	20.2
2.15	31.29	---	56.00	24.71	1000.0	9.000	N	ON	19.7
2.20	---	21.06	46.00	24.94	1000.0	9.000	N	ON	19.7
8.78	---	21.09	50.00	28.91	1000.0	9.000	N	ON	19.5
10.86	28.62	---	60.00	31.38	1000.0	9.000	N	ON	19.6
14.92	29.33	---	60.00	30.67	1000.0	9.000	N	ON	19.6
15.52	---	22.60	50.00	27.40	1000.0	9.000	N	ON	19.7

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 KHz to 30 MHz

## 6. Main Test Instruments

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
Power sensor	R&S	NRP18S	101954	2023-05-12	2024-05-11
Spectrum Analyzer	KEYSIGHT	N9020A	MY51330870	2023-05-12	2024-05-11
DC power supply	UNI-T	UTP1306S+	2205D0517426	2023-12-05	2024-12-04
Climate Chamber	ESPEC	SU-242	93000506	2023-12-05	2024-12-04
<b>Unwanted Emission</b>					
EMI Test Receiver	R&S	ESR	102389	2023-05-12	2024-05-11
Signal Analyzer	R&S	FSV40	101186	2023-05-12	2024-05-11
Loop Antenna	SCHWARZBECK	FMZB1519	1519-047	2023-04-16	2026-04-15
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9163	1023	2023-07-14	2026-07-13
Horn Antenna	R&S	HF907	102723	2021-07-24	2024-07-23
Amplifier	R&S	SCU18	10034	2023-05-12	2024-05-11
Horn Antenna	ETS-Lindgren	3160-09	00102643	2021-10-10	2024-10-09
Horn Antenna	STEATITE	QSH-SL-26-40 -K-15	16779	2023-01-17	2026-01-16
Amplifier	MicroWave	KLNA-180400 50	220826001	2023-05-12	2024-05-11
Software	R&S	EMC32	9.26.01	/	/
<b>Conducted Emission</b>					
Artificial main network	R&S	ENV216	102191	2022-12-10	2024-12-09
EMI Test Receiver	R&S	ESR	101667	2023-05-12	2024-05-11
Software	R&S	EMC32	10.35.10	/	/

## ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.

## ANNEX B: Test Setup Photos

The Test Setup Photos are submitted separately.

\*\*\*\*\* END OF REPORT \*\*\*\*\*