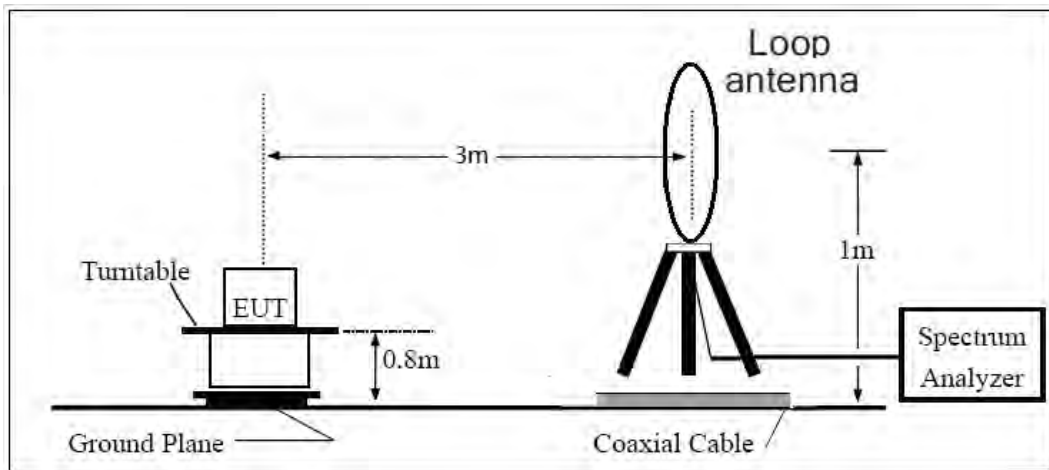
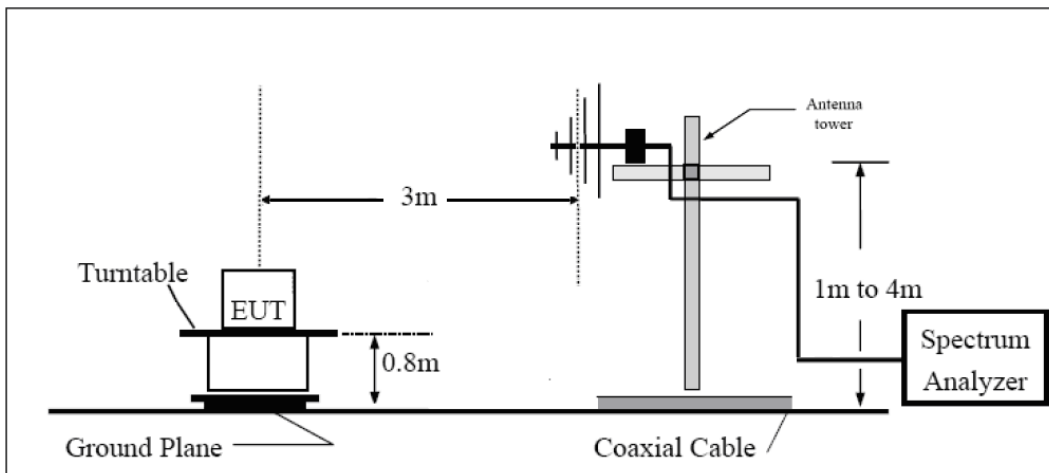


Test setup

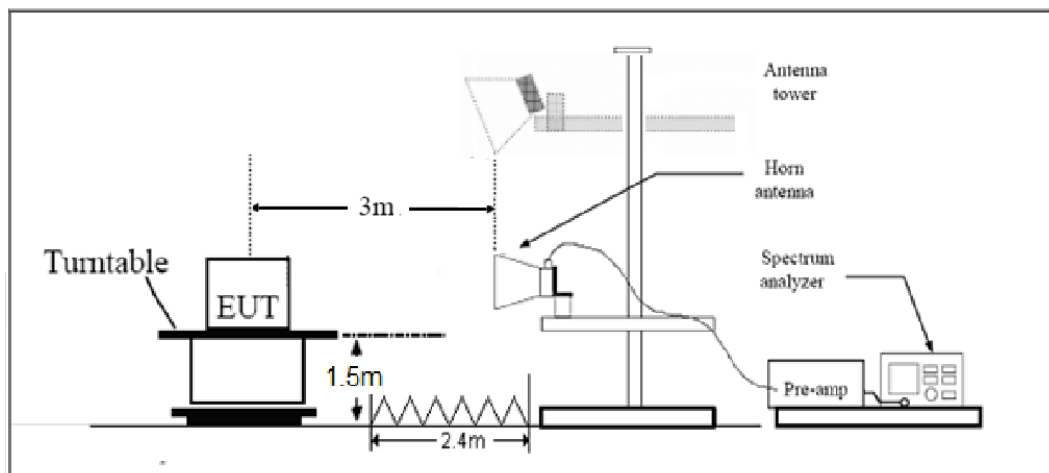
9KHz ~ 30MHz



30MHz ~ 1GHz



Above 1GHz



Note: Area side:2.4mX3.6m

Limits

Rule Part 15.247(d) specifies that “In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).”

Limit in restricted band

Frequency of emission (MHz)	Field strength(uV/m)	Field strength(dBuV/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

§15.35(b)

There is also a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

Peak Limit=74 dBuV/m

Average Limit=54 dBuV/m

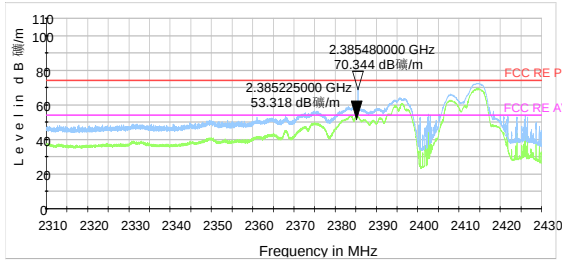
Spurious Radiated Emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 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	(²)
13.36 - 13.41			

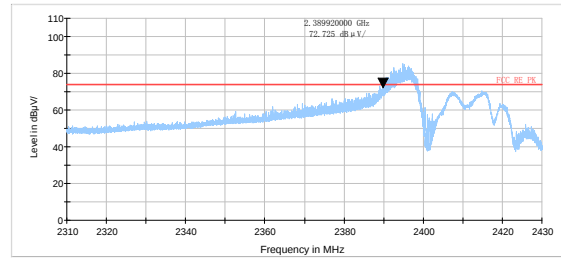
Measurement Uncertainty

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

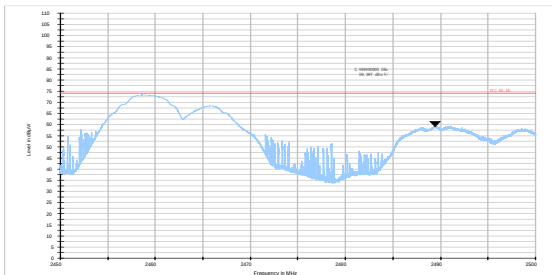
Frequency	Uncertainty
9KHz-30MHz	3.55 dB
30MHz-200MHz	4.17 dB
200MHz-1GHz	4.84 dB
1-18GHz	4.35 dB
18-26.5GHz	5.90 dB
26.5GHz~40GHz	5.92 dB

**Test Results:**A font (dB μ V/m) in the test plot =(level in dB μ V/m)**INPAQ**

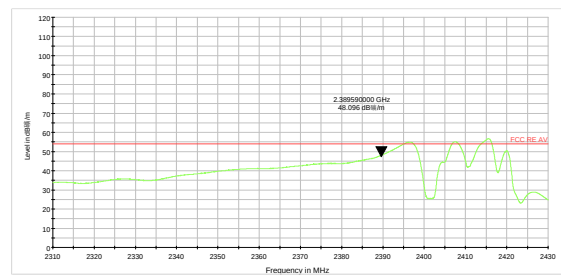
802.11b-Channel 1 Peak+ Average



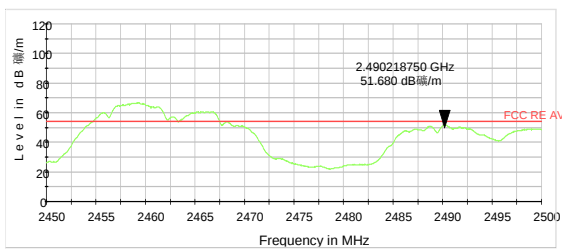
802.11g-Channel 1 Peak



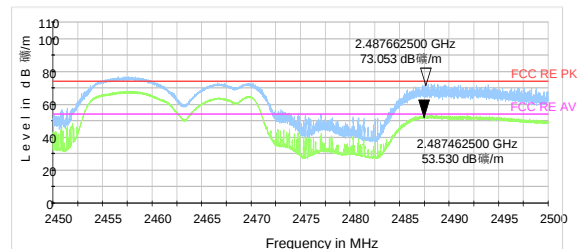
802.11b-Channel 11 Peak



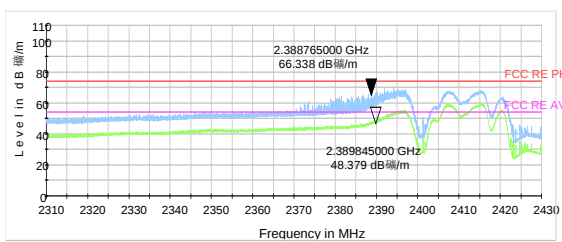
802.11g-Channel 1 Average



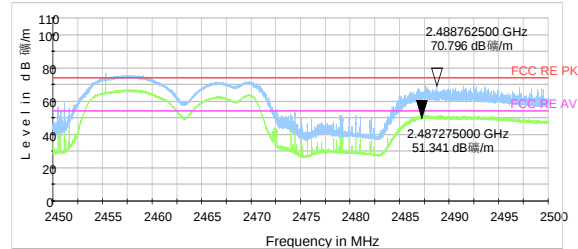
802.11b-Channel 11 Average



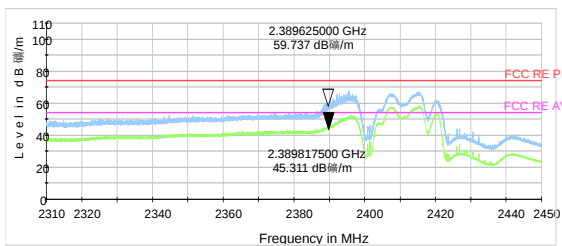
802.11g-Channel 11 Peak+ Average



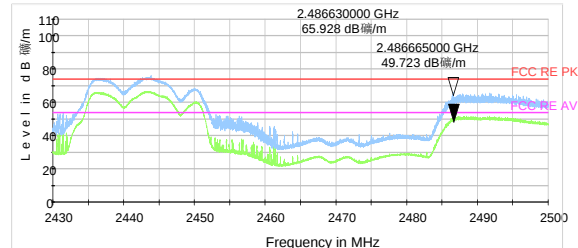
802.11n HT20 -Channel 1 Peak+ Average



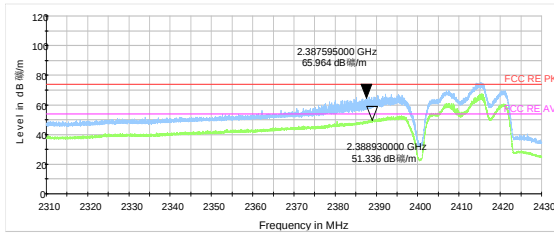
802.11n HT20 -Channel 11 Peak+ Average



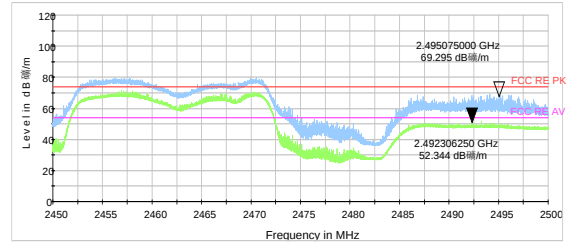
802.11n HT40 -Channel 3 Peak+ Average



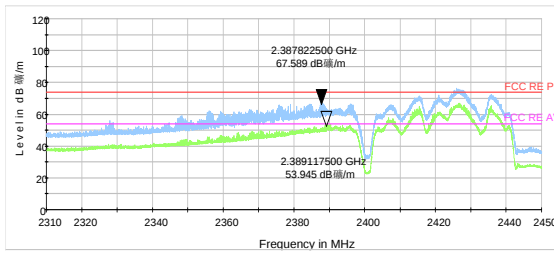
802.11n HT40 -Channel 9 Peak+ Average



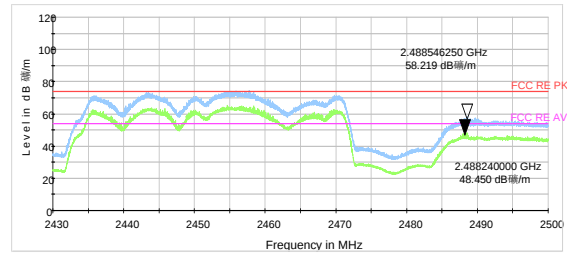
802.11ax HE20 -Channel 1 Peak+ Average



802.11ax HE20 -Channel 11 Peak+ Average

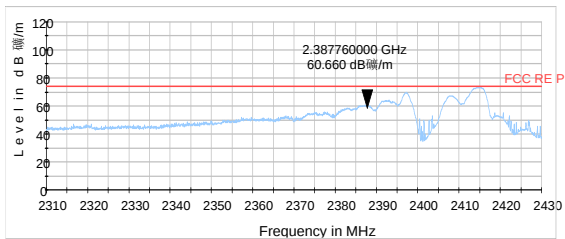


802.11ax HE40 -Channel 3 Peak+ Average

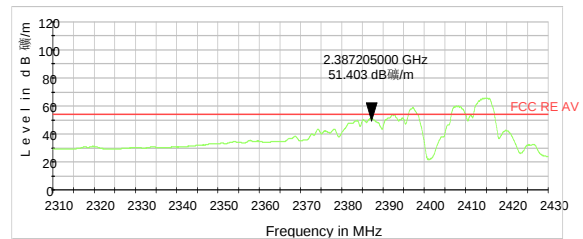


802.11ax HE40 -Channel 9 Peak+ Average

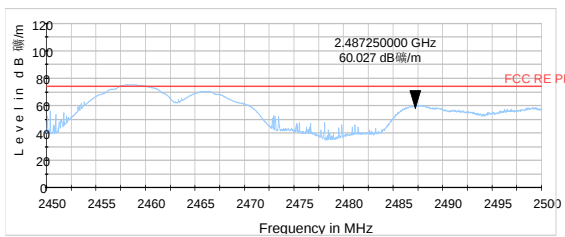
Galtronics



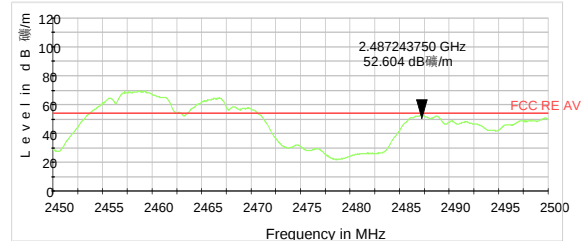
802.11b -Channel 1 Peak



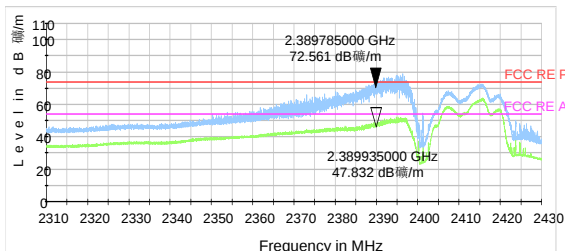
802.11b -Channel 1 Average



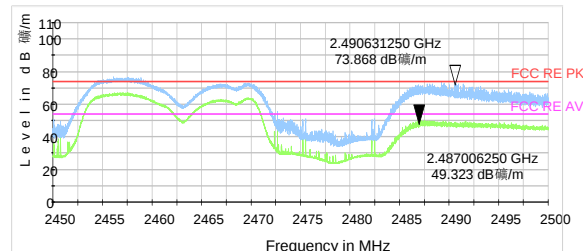
802.11b -Channel 11 Peak



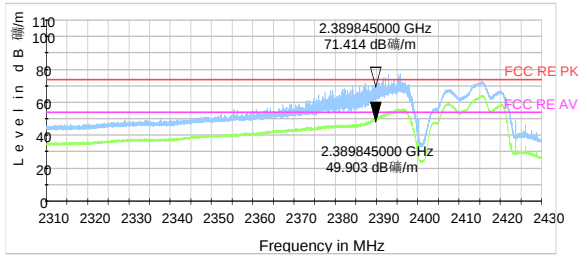
802.11b -Channel 11 Average



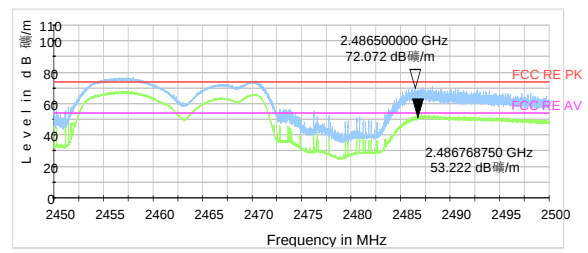
802.11g -Channel 1 Peak+ Average



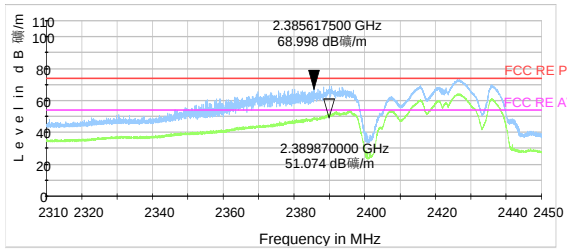
802.11g -Channel 11 Peak+ Average



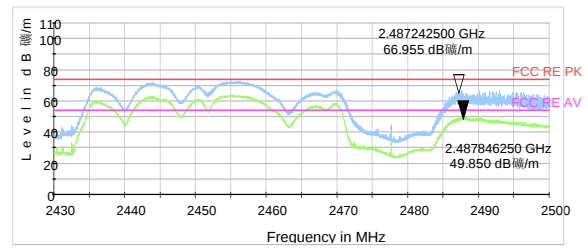
802.11n HT20 -Channel 1 Peak+ Average



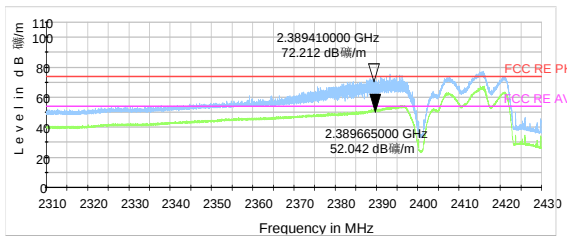
802.11n HT20 -Channel 11 Peak+ Average



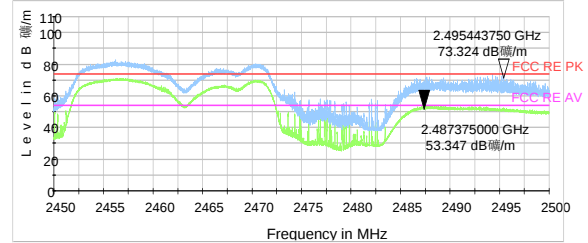
802.11n HT40 -Channel 3 Peak+ Average



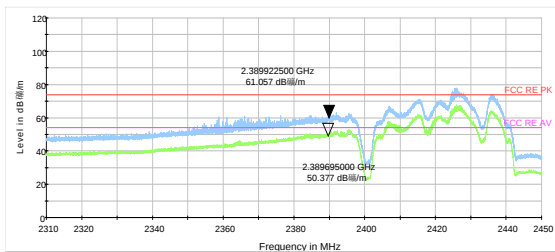
802.11n HT40 -Channel 9 Peak+ Average



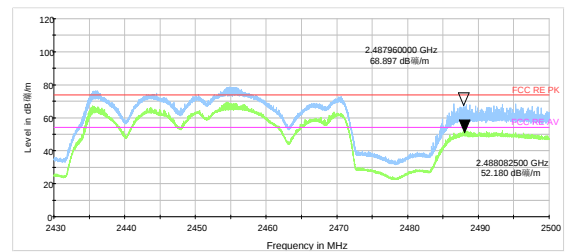
802.11ax HE20 -Channel 1 Peak+ Average



802.11ax HE20 -Channel 11 Peak+ Average



802.11ax HE40 -Channel 3 Peak+ Average



802.11ax HE40 -Channel 9 Peak+ Average

Result of RE

Test result

Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, the Emissions in the frequency band 9kHz-30MHz and 18GHz-26.5GHz are more than 20dB below the limit are not reported.

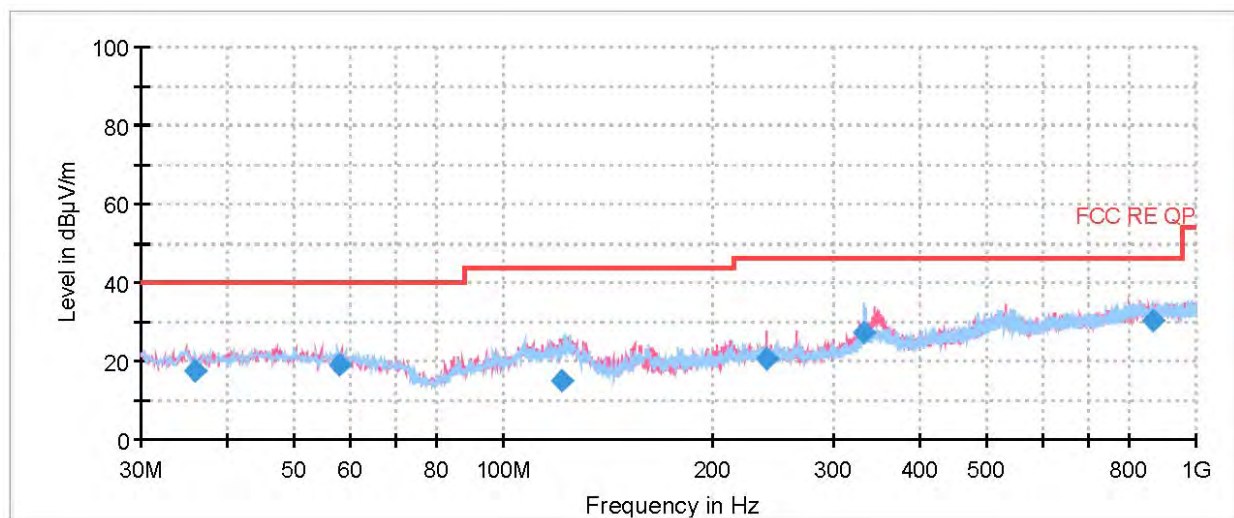
The following graphs display the maximum values of horizontal and vertical by software.
For above 1GHz, Blue trace uses the peak detection, Green trace uses the average detection.

After the pretest, MIMO was selected as the worst antenna.

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels, 802.11g CH11 for INPAQ,802.11ax (HE40) CH9 for Galtronics are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

INPAQ:

Continuous TX mode:



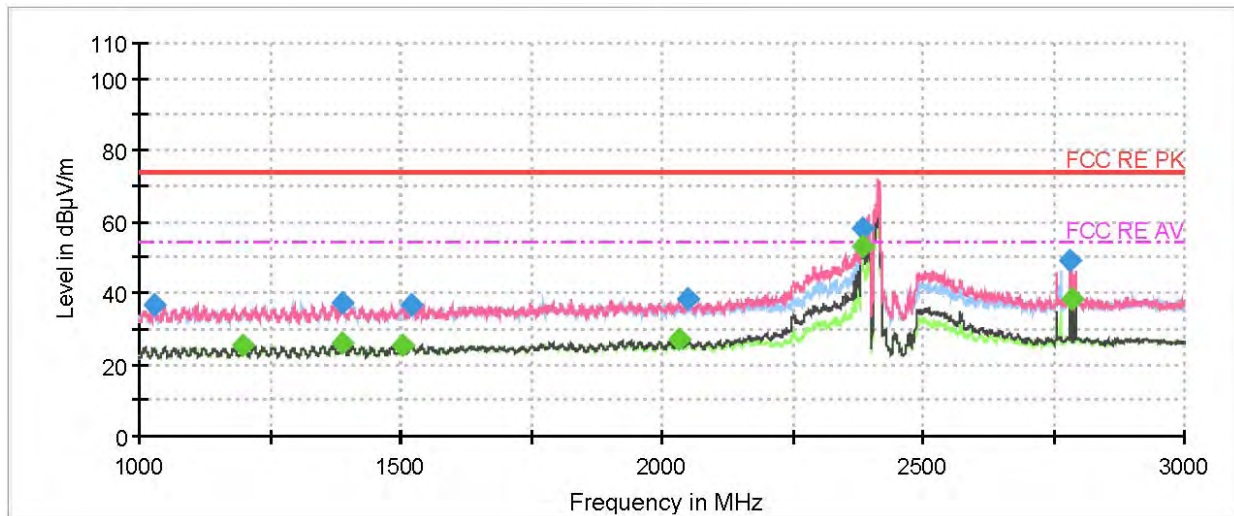
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
35.850000	17.31	105.0	V	166.0	13.1	22.69	40.00
58.086250	19.16	121.0	H	166.0	14.4	20.84	40.00
121.268750	14.70	125.0	H	214.0	10.7	28.80	43.50
240.365000	20.60	175.0	V	85.0	13.7	25.40	46.00
332.473750	27.38	196.0	H	139.0	15.9	18.62	46.00
868.116250	30.10	125.0	H	170.0	24.4	15.90	46.00

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

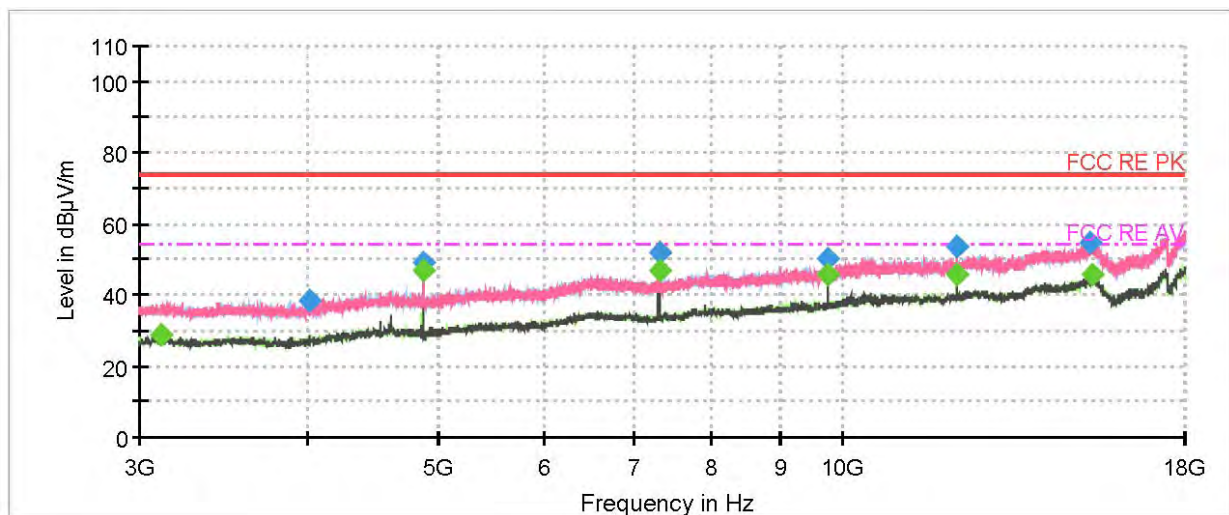
2. Margin = Limit – Quasi-Peak

802.11b CH1



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



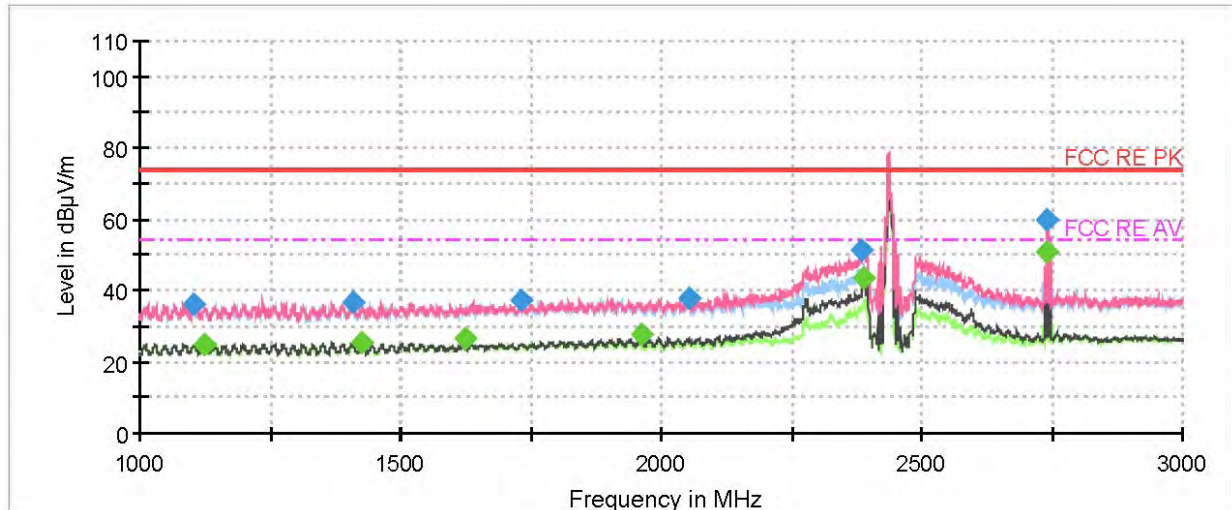
Radiates Emission from 3GHz to 18GHz



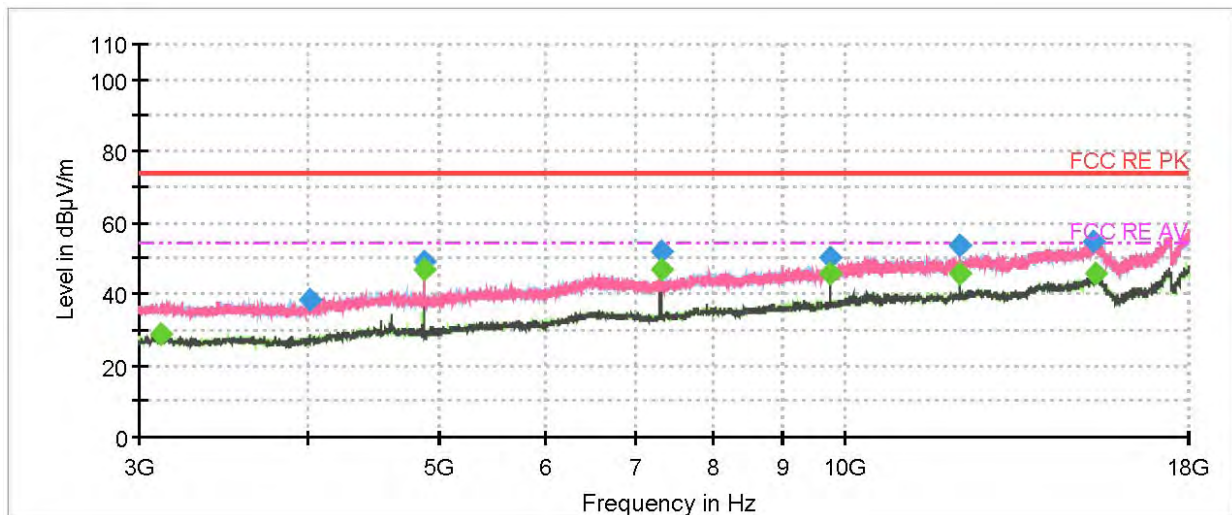
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1027.500000	36.58	---	74.00	37.42	1000.000	200.0	H	271.0	-21.0
1199.750000	---	25.14	54.00	28.86	1000.000	200.0	V	196.0	-20.3
1386.750000	37.35	---	74.00	36.65	1000.000	200.0	H	313.0	-19.6
1389.250000	---	25.70	54.00	28.30	1000.000	200.0	V	96.0	-19.6
1504.500000	---	25.54	54.00	28.46	1000.000	200.0	V	78.0	-19.1
1521.250000	36.43	---	74.00	37.57	1000.000	200.0	V	22.0	-19.0
2034.750000	---	27.02	54.00	26.98	1000.000	200.0	V	302.0	-18.1
2048.500000	38.61	---	74.00	35.39	1000.000	200.0	V	256.0	-18.0
2383.750000	---	52.86	54.00	1.14	1000.000	200.0	V	292.0	-16.5
2384.250000	57.87	---	74.00	16.13	1000.000	200.0	V	311.0	-16.5
2783.000000	49.08	---	74.00	24.92	1000.000	200.0	V	320.0	-16.1
2783.500000	---	38.50	54.00	15.50	1000.000	200.0	V	320.0	-16.1

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

802.11b CH6



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



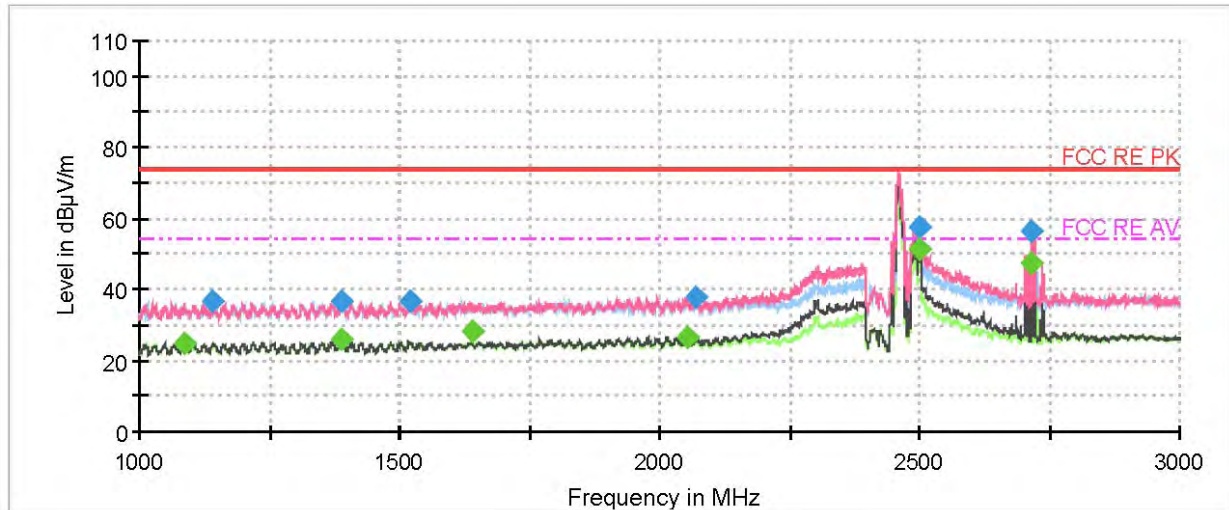
Radiates Emission from 3GHz to 18GHz



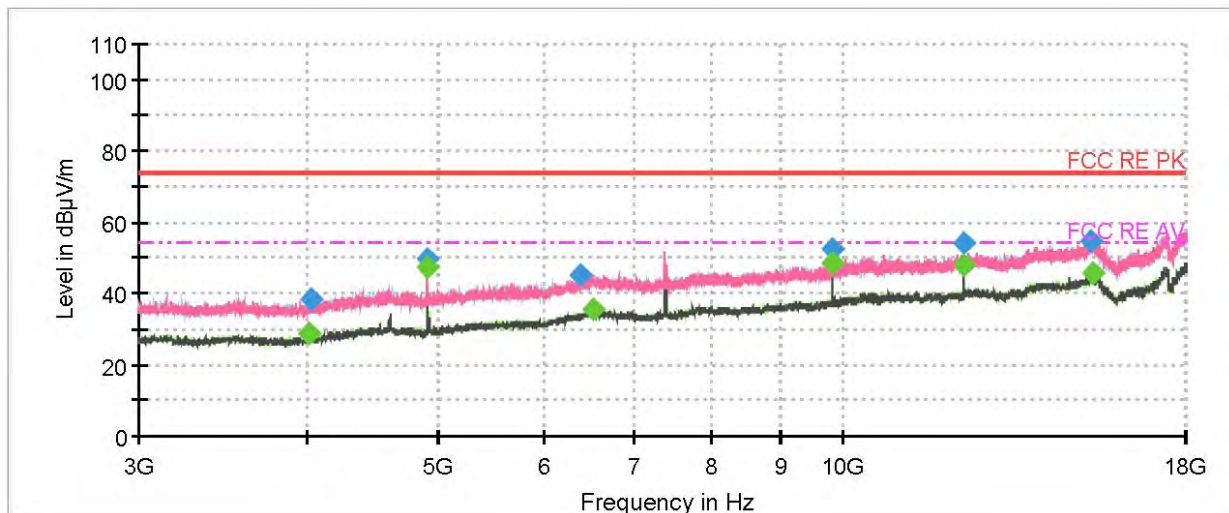
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1103.250000	36.33	---	74.00	37.67	1000.000	100.0	H	314.0	-20.6
1124.000000	---	24.88	54.00	29.12	1000.000	200.0	V	359.0	-20.6
1410.750000	36.86	---	74.00	37.14	1000.000	100.0	H	0.0	-19.4
1426.000000	---	25.26	54.00	28.74	1000.000	100.0	V	14.0	-19.3
1624.500000	---	26.47	54.00	27.53	1000.000	200.0	V	319.0	-18.8
1730.250000	37.17	---	74.00	36.83	1000.000	200.0	V	207.0	-18.6
1964.250000	---	27.75	54.00	26.25	1000.000	100.0	V	267.0	-18.4
2054.750000	37.97	---	74.00	36.03	1000.000	200.0	V	319.0	-17.9
2386.000000	51.23	---	74.00	22.77	1000.000	100.0	V	329.0	-16.5
2388.500000	---	43.48	54.00	10.52	1000.000	100.0	V	337.0	-16.5
2739.500000	59.66	---	74.00	14.34	1000.000	100.0	V	302.0	-16.1
2739.500000	---	50.61	54.00	3.39	1000.000	100.0	V	302.0	-16.1

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

802.11b CH11



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



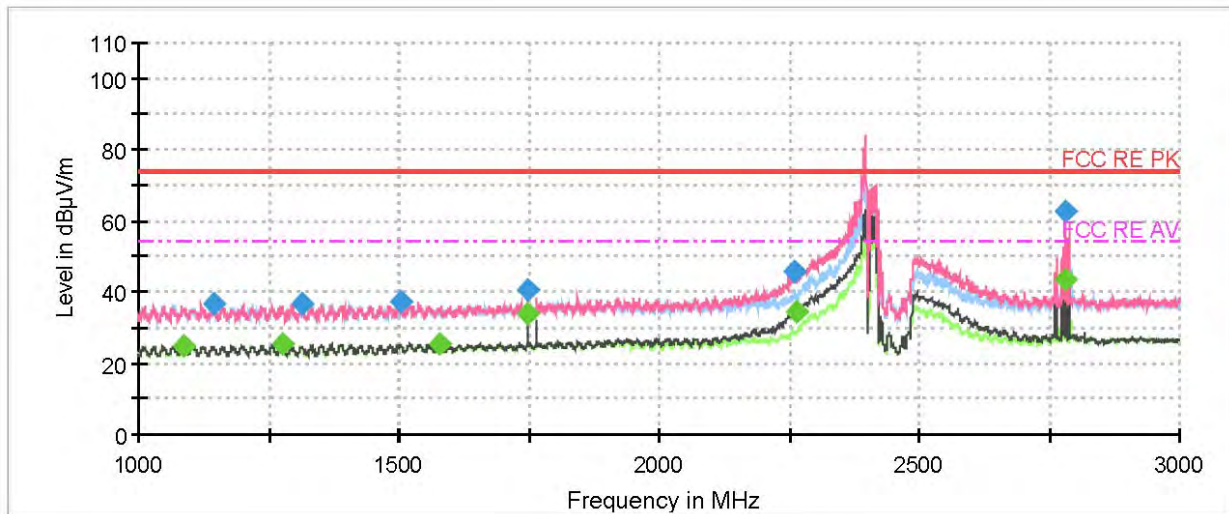
Radiates Emission from 3GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1085.750000	---	24.94	54.00	29.06	1000.000	200.0	V	181.0	-20.7
1141.750000	36.41	---	74.00	37.59	1000.000	100.0	V	359.0	-20.5
1390.000000	36.85	---	74.00	37.15	1000.000	200.0	V	50.0	-19.6
1390.000000	---	25.83	54.00	28.17	1000.000	100.0	V	187.0	-19.6
1521.250000	36.86	---	74.00	37.14	1000.000	200.0	H	359.0	-19.0
1641.250000	---	28.04	54.00	25.96	1000.000	200.0	V	0.0	-18.7
2051.750000	---	26.55	54.00	27.45	1000.000	200.0	V	257.0	-17.9
2070.500000	38.07	---	74.00	35.93	1000.000	100.0	V	297.0	-17.9
2498.750000	57.53	---	74.00	16.47	1000.000	200.0	V	248.0	-16.3
2499.250000	---	51.37	54.00	2.63	1000.000	200.0	V	222.0	-16.3
2715.500000	56.44	---	74.00	17.56	1000.000	200.0	V	205.0	-16.1
2715.750000	---	47.43	54.00	6.57	1000.000	200.0	V	205.0	-16.1

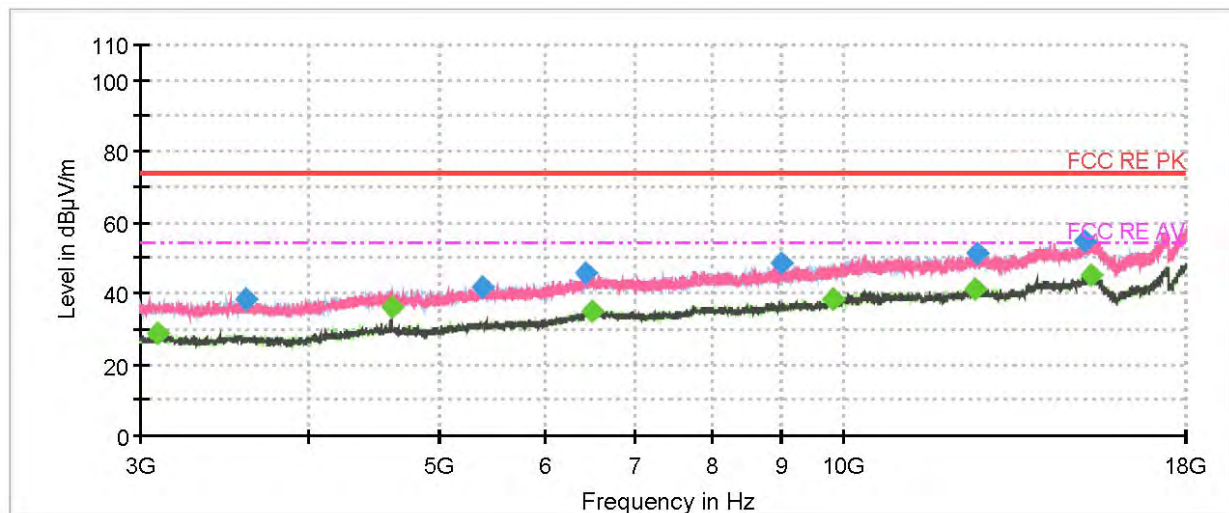
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11g CH1



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



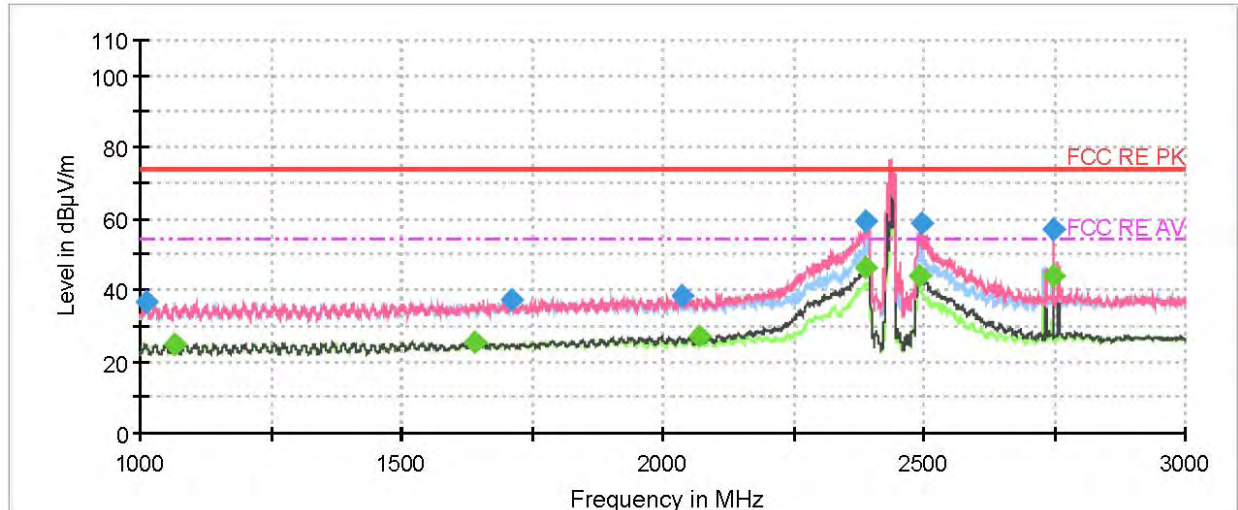
Radiates Emission from 3GHz to 18GHz



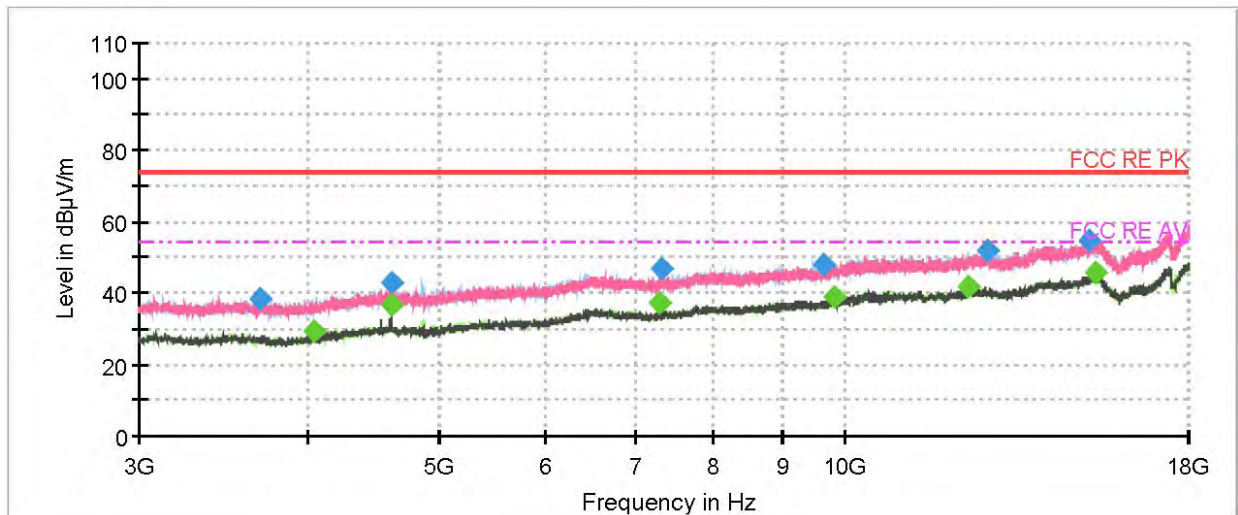
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1085.250000	---	25.02	54.00	28.98	1000.000	200.0	H	150.0	-20.7
1143.750000	36.50	---	74.00	37.50	1000.000	200.0	V	257.0	-20.5
1276.000000	---	25.36	54.00	28.64	1000.000	200.0	V	359.0	-19.9
1313.250000	36.90	---	74.00	37.10	1000.000	100.0	V	2.0	-19.7
1503.750000	37.10	---	74.00	36.90	1000.000	200.0	V	358.0	-19.1
1580.500000	---	25.32	54.00	28.68	1000.000	200.0	H	150.0	-18.9
1747.500000	---	33.73	54.00	20.27	1000.000	200.0	V	125.0	-18.6
1747.750000	40.51	---	74.00	33.49	1000.000	200.0	V	125.0	-18.6
2259.500000	45.57	---	74.00	28.43	1000.000	200.0	V	282.0	-17.1
2263.000000	---	34.48	54.00	19.52	1000.000	200.0	V	257.0	-17.1
2779.500000	62.43	---	74.00	11.57	1000.000	200.0	V	265.0	-16.1
2779.500000	---	43.28	54.00	10.72	1000.000	200.0	V	265.0	-16.1

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

802.11g CH6



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



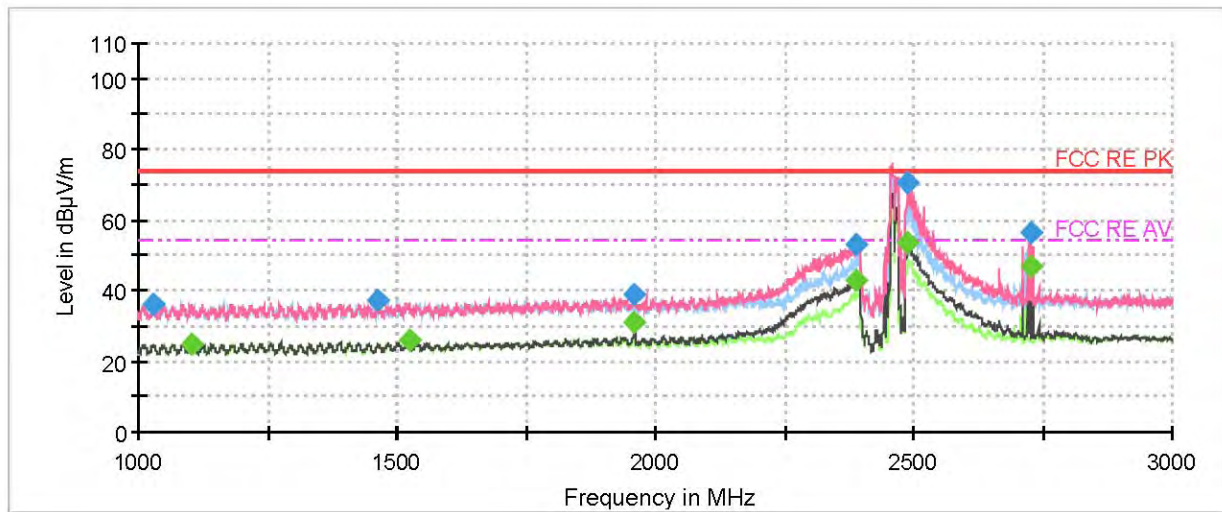
Radiates Emission from 3GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1010.500000	36.77	---	74.00	37.23	1000.000	200.0	V	92.0	-21.0
1066.000000	---	25.07	54.00	28.93	1000.000	200.0	H	60.0	-20.9
1638.500000	---	25.52	54.00	28.48	1000.000	200.0	H	6.0	-18.7
1712.500000	37.40	---	74.00	36.60	1000.000	200.0	V	354.0	-18.6
2035.250000	38.11	---	74.00	35.89	1000.000	200.0	V	331.0	-18.1
2069.750000	---	27.04	54.00	26.96	1000.000	200.0	V	290.0	-17.9
2388.250000	59.46	---	74.00	14.54	1000.000	200.0	V	343.0	-16.5
2389.250000	---	45.98	54.00	8.02	1000.000	100.0	V	328.0	-16.5
2491.750000	---	44.17	54.00	9.83	1000.000	200.0	V	248.0	-16.3
2495.500000	58.77	---	74.00	15.23	1000.000	200.0	V	337.0	-16.3
2747.750000	56.76	---	74.00	17.24	1000.000	200.0	V	221.0	-16.1
2747.750000	---	44.26	54.00	9.74	1000.000	200.0	V	221.0	-16.1

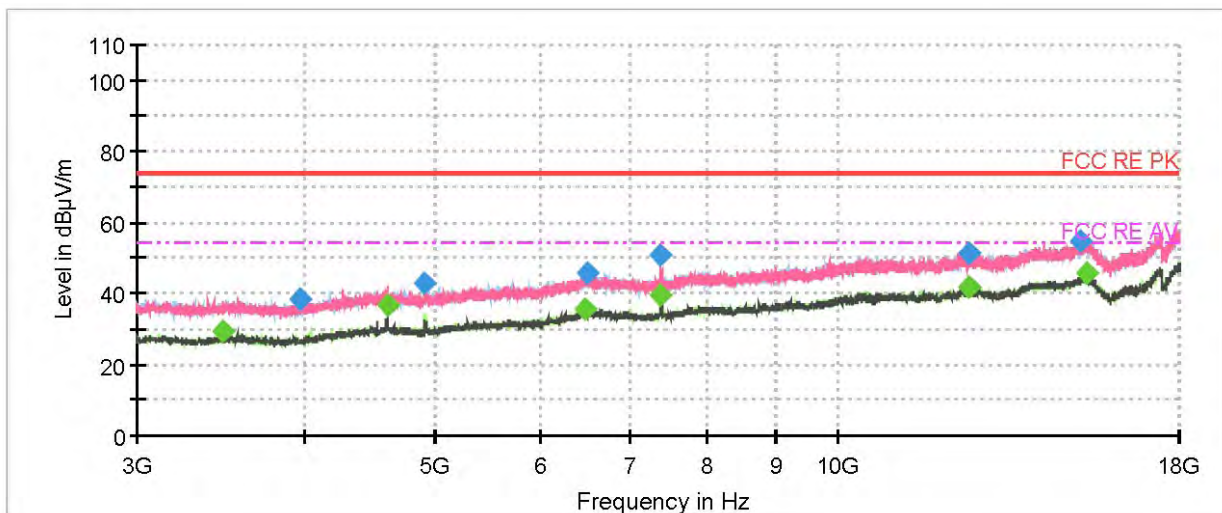
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11g CH11



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



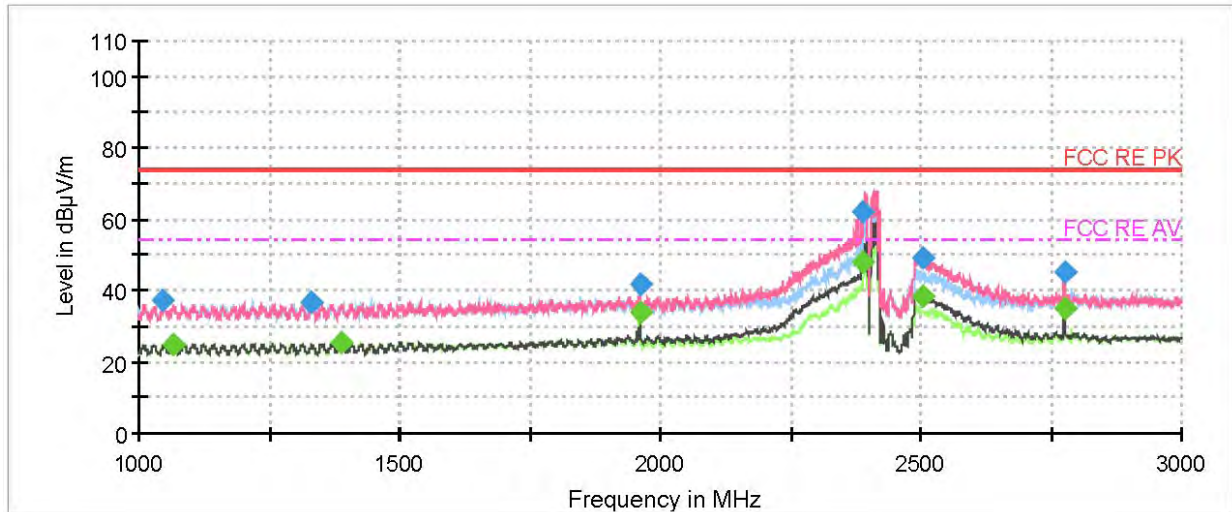
Radiates Emission from 3GHz to 18GHz



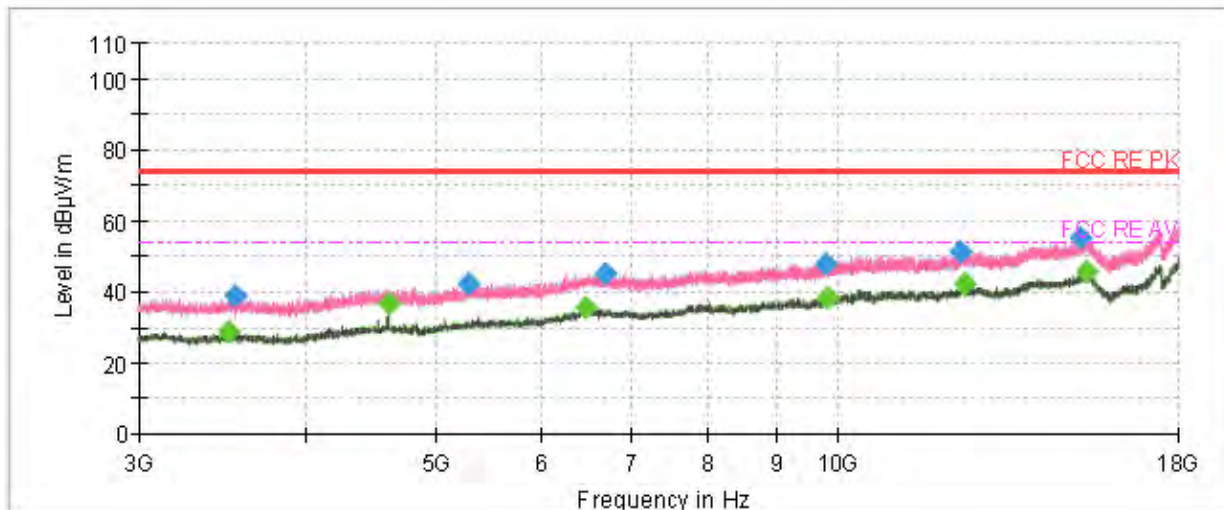
Frequency (MHz)	Peak (dBUV/m)	Average (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1027.250000	36.33	---	74.00	37.67	1000.000	200.0	H	4.0	-21.0
1104.000000	---	25.09	54.00	28.91	1000.000	100.0	V	0.0	-20.6
1463.000000	37.45	---	74.00	36.55	1000.000	200.0	V	357.0	-19.3
1522.750000	---	25.69	54.00	28.31	1000.000	200.0	H	63.0	-19.0
1957.750000	38.77	---	74.00	35.23	1000.000	100.0	V	4.0	-18.4
1959.750000	---	30.77	54.00	23.23	1000.000	100.0	V	253.0	-18.4
2388.750000	52.83	---	74.00	21.17	1000.000	200.0	V	312.0	-16.5
2389.000000	---	43.05	54.00	10.95	1000.000	200.0	V	321.0	-16.5
2487.500000	---	53.57	54.00	0.43	1000.000	100.0	V	2.0	-16.3
2488.750000	70.53	---	74.00	3.47	1000.000	100.0	V	340.0	-16.3
2727.500000	---	46.55	54.00	7.45	1000.000	200.0	V	201.0	-16.1
2727.750000	56.29	---	74.00	17.71	1000.000	200.0	V	201.0	-16.1

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

802.11n (HT20) CH1



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



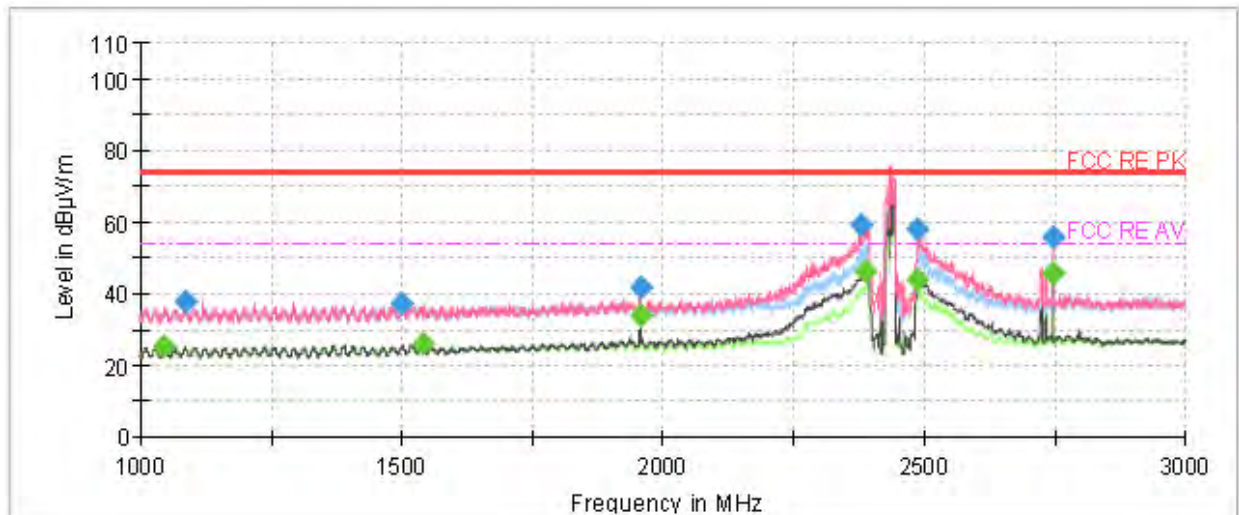
Radiates Emission from 3GHz to 18GHz



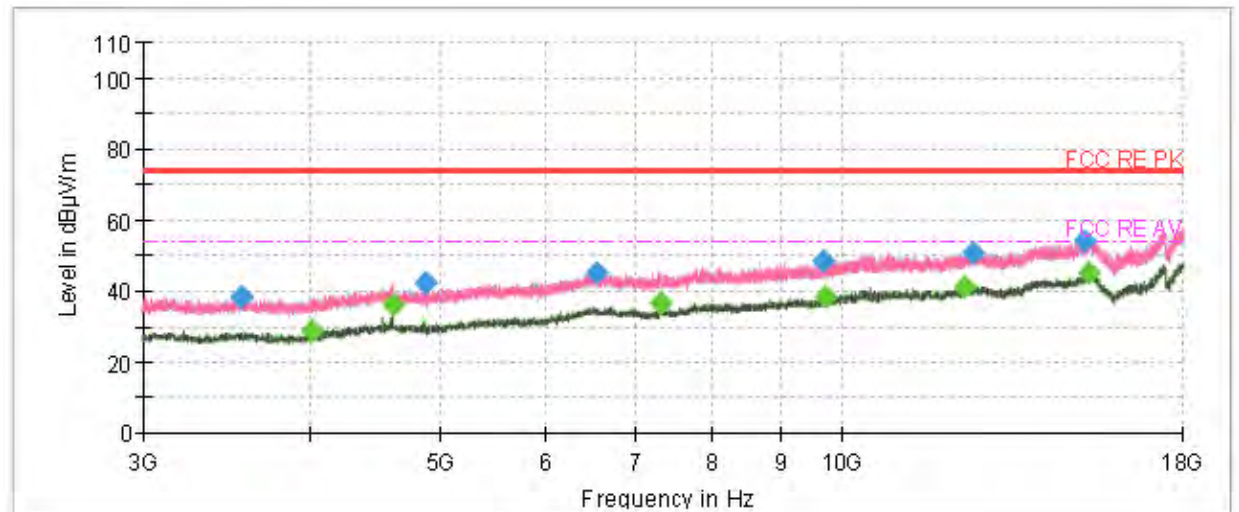
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1046.500000	37.24	---	74.00	36.76	1000.000	200.0	V	214.0	-21.0
1067.250000	---	25.06	54.00	28.94	1000.000	200.0	H	0.0	-20.9
1331.750000	36.80	---	74.00	37.20	1000.000	200.0	V	275.0	-19.7
1388.750000	---	25.48	54.00	28.52	1000.000	200.0	V	352.0	-19.6
1963.500000	41.64	---	74.00	32.36	1000.000	100.0	V	228.0	-18.4
1963.750000	---	33.94	54.00	20.06	1000.000	100.0	V	262.0	-18.4
2388.750000	62.19	---	74.00	11.81	1000.000	200.0	V	292.0	-16.5
2389.250000	---	47.98	54.00	6.02	1000.000	200.0	V	284.0	-16.5
2503.000000	48.86	---	74.00	25.14	1000.000	200.0	V	248.0	-16.3
2505.250000	---	38.46	54.00	15.54	1000.000	200.0	V	339.0	-16.3
2775.000000	---	34.78	54.00	19.22	1000.000	200.0	V	358.0	-16.1
2775.250000	45.04	---	74.00	28.96	1000.000	200.0	V	358.0	-16.1

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

802.11n (HT20) CH6



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



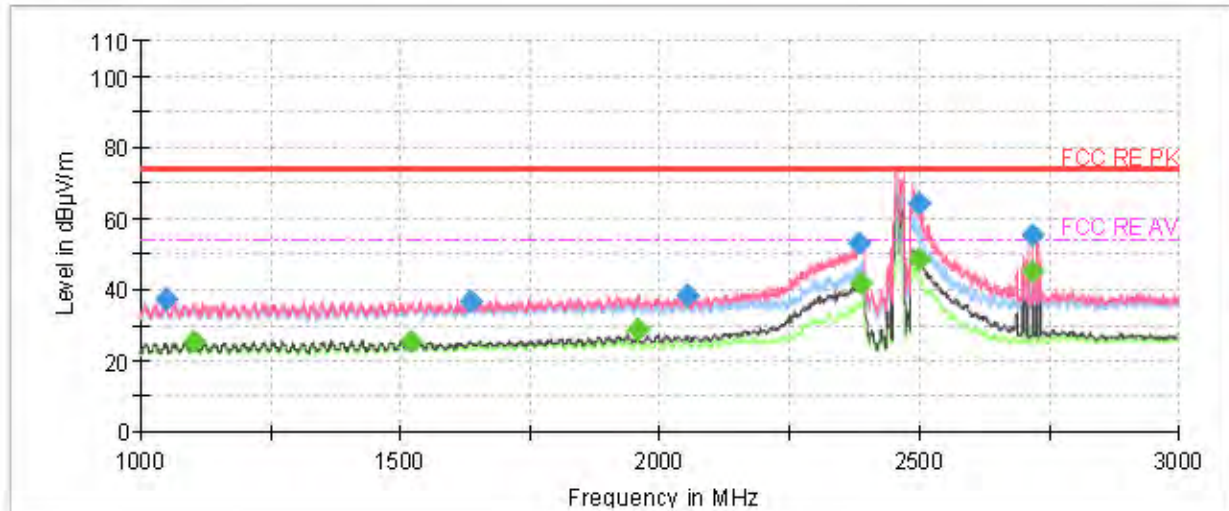
Radiates Emission from 3GHz to 18GHz



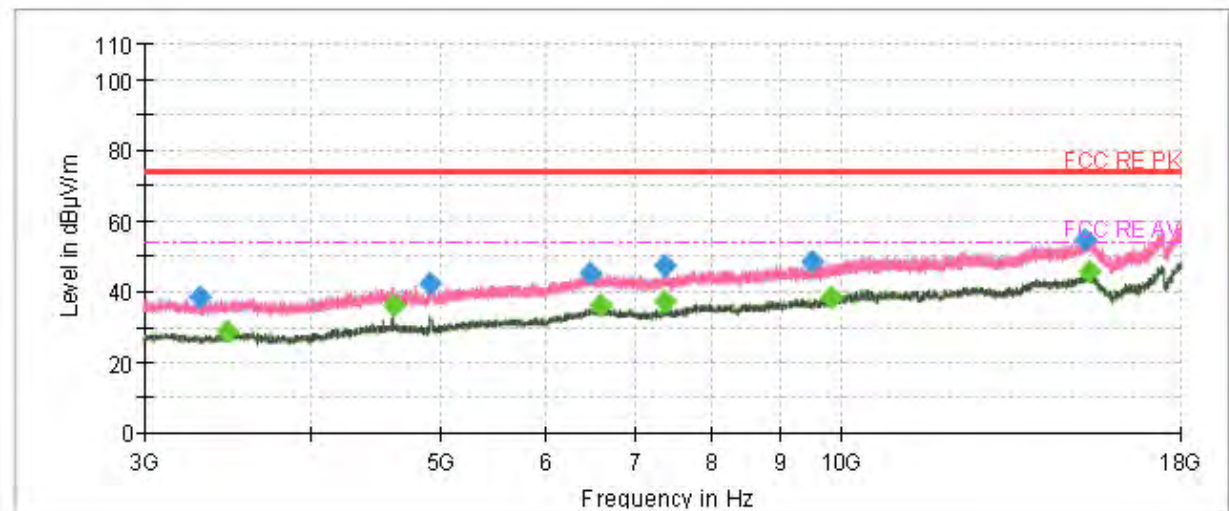
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1047.000000	---	25.17	54.00	28.83	1000.000	100.0	V	1.0	-21.0
1087.500000	37.59	---	74.00	36.41	1000.000	100.0	V	0.0	-20.7
1500.750000	37.42	---	74.00	36.58	1000.000	200.0	V	339.0	-19.2
1540.000000	---	26.03	54.00	27.97	1000.000	100.0	V	329.0	-19.0
1957.500000	41.91	---	74.00	32.09	1000.000	200.0	V	135.0	-18.4
1957.500000	---	33.90	54.00	20.10	1000.000	200.0	V	135.0	-18.4
2381.500000	59.31	---	74.00	14.69	1000.000	200.0	V	273.0	-16.5
2388.750000	---	46.20	54.00	7.80	1000.000	100.0	V	329.0	-16.5
2488.000000	---	44.09	54.00	9.91	1000.000	200.0	V	339.0	-16.3
2489.000000	58.15	---	74.00	15.85	1000.000	200.0	V	354.0	-16.3
2747.250000	---	45.80	54.00	8.20	1000.000	200.0	V	344.0	-16.1
2747.750000	56.05	---	74.00	17.95	1000.000	200.0	V	344.0	-16.1

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

802.11n (HT20) CH11



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



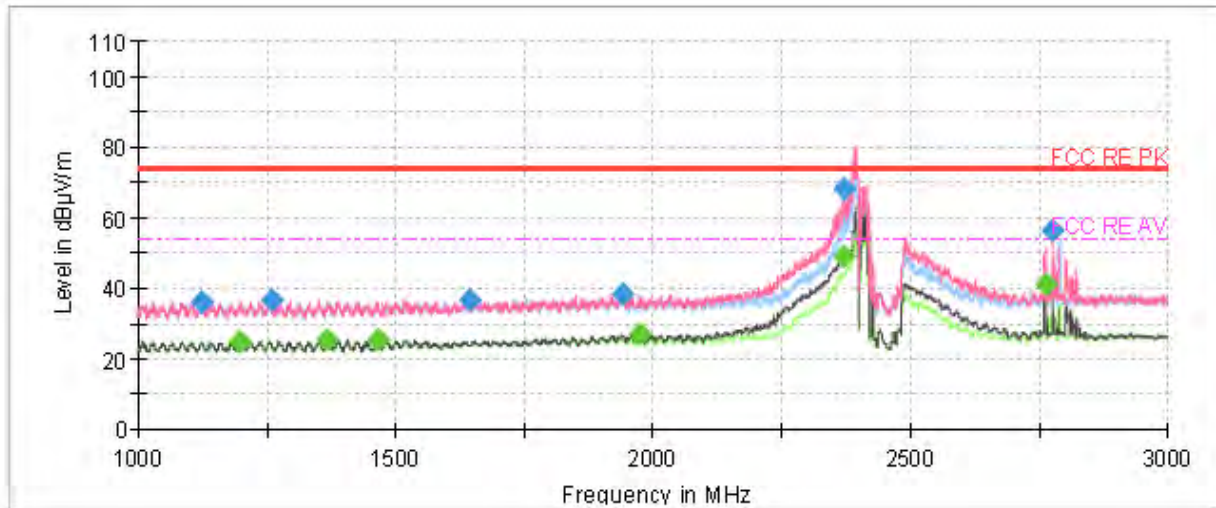
Radiates Emission from 3GHz to 18GHz



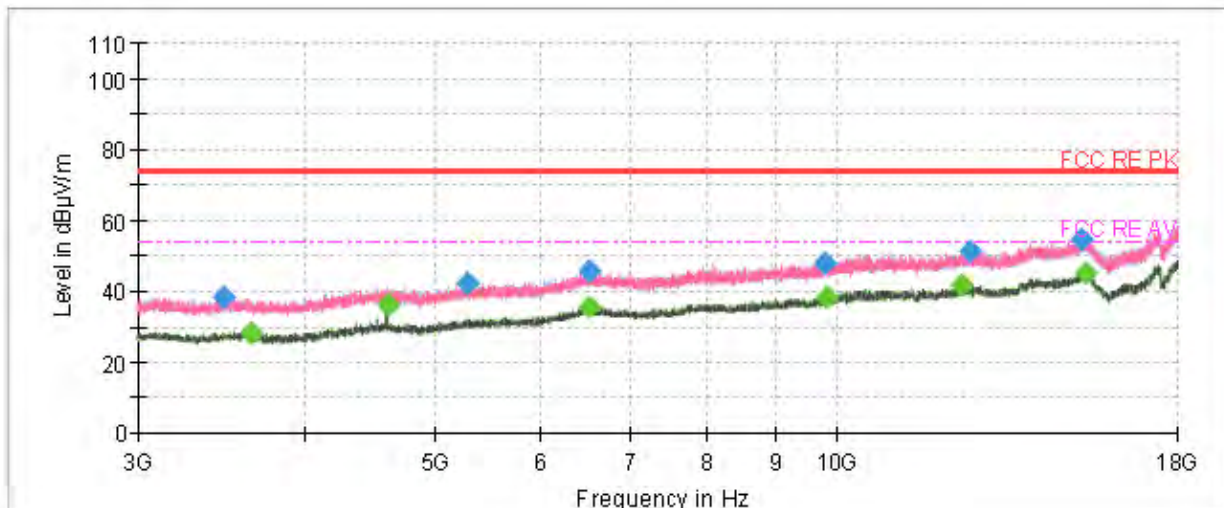
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1048.250000	37.43	---	74.00	36.57	1000.000	100.0	V	5.0	-21.0
1105.250000	---	25.24	54.00	28.76	1000.000	200.0	V	252.0	-20.6
1520.750000	---	25.55	54.00	28.45	1000.000	100.0	V	158.0	-19.1
1634.750000	36.88	---	74.00	37.12	1000.000	200.0	V	0.0	-18.7
1958.000000	---	28.61	54.00	25.39	1000.000	100.0	V	201.0	-18.4
2054.250000	38.62	---	74.00	35.38	1000.000	100.0	V	201.0	-17.9
2385.000000	52.97	---	74.00	21.03	1000.000	200.0	V	321.0	-16.5
2388.500000	---	41.66	54.00	12.34	1000.000	200.0	V	321.0	-16.5
2498.500000	---	48.63	54.00	5.37	1000.000	200.0	V	252.0	-16.3
2499.500000	64.57	---	74.00	9.43	1000.000	200.0	V	330.0	-16.3
2719.250000	---	44.91	54.00	9.09	1000.000	100.0	V	278.0	-16.1
2719.500000	55.30	---	74.00	18.70	1000.000	100.0	V	278.0	-16.1

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

802.11n (HT40) CH3



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



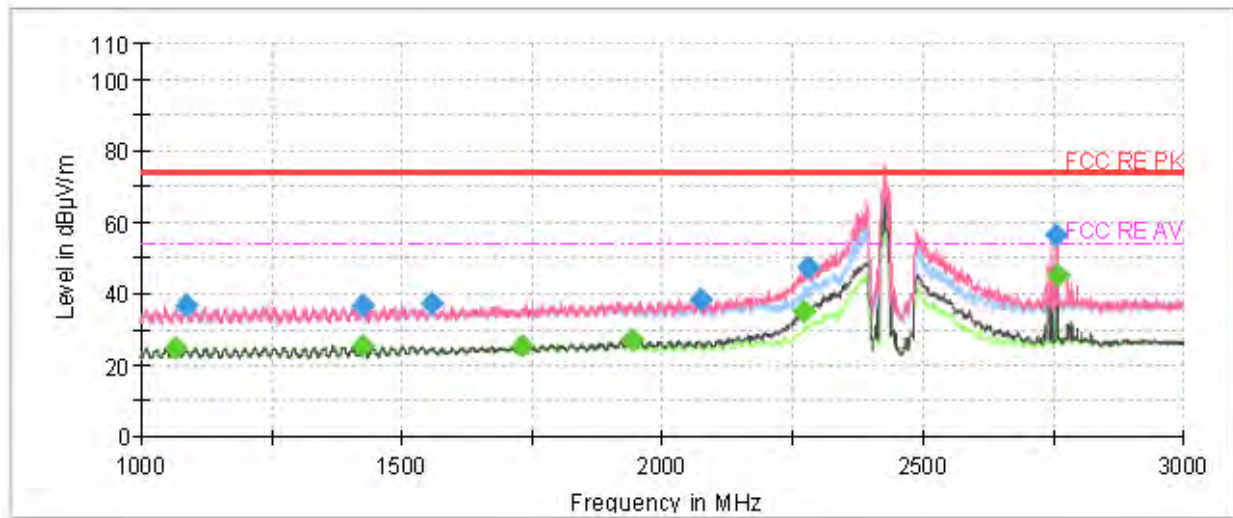
Radiates Emission from 3GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1123.000000	36.37	---	74.00	37.63	1000.000	200.0	V	4.0	-20.6
1199.500000	---	25.01	54.00	28.99	1000.000	100.0	V	358.0	-20.3
1259.500000	36.45	---	74.00	37.55	1000.000	200.0	H	0.0	-20.0
1369.250000	---	25.42	54.00	28.58	1000.000	100.0	H	91.0	-19.6
1466.000000	---	25.31	54.00	28.69	1000.000	100.0	V	342.0	-19.3
1643.750000	36.49	---	74.00	37.51	1000.000	200.0	V	284.0	-18.7
1942.000000	38.58	---	74.00	35.42	1000.000	200.0	V	267.0	-18.3
1977.000000	---	26.95	54.00	27.05	1000.000	200.0	V	301.0	-18.3
2372.000000	---	49.17	54.00	4.83	1000.000	200.0	V	293.0	-16.6
2372.000000	68.05	---	74.00	5.95	1000.000	200.0	V	293.0	-16.6
2765.750000	---	41.35	54.00	12.65	1000.000	200.0	V	310.0	-16.1
2777.000000	56.53	---	74.00	17.47	1000.000	200.0	V	5.0	-16.1

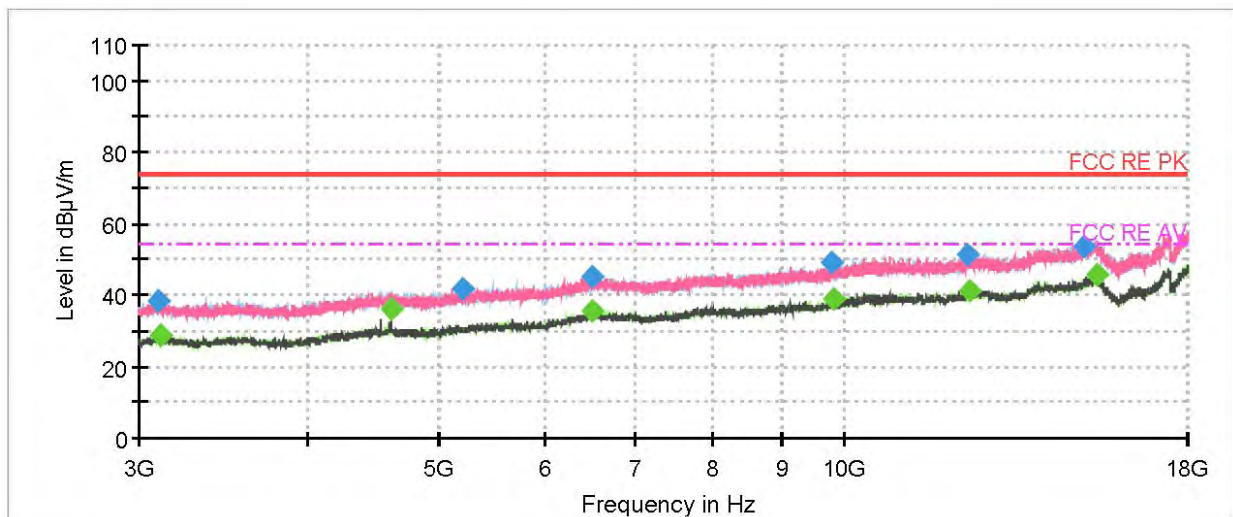
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT40) CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



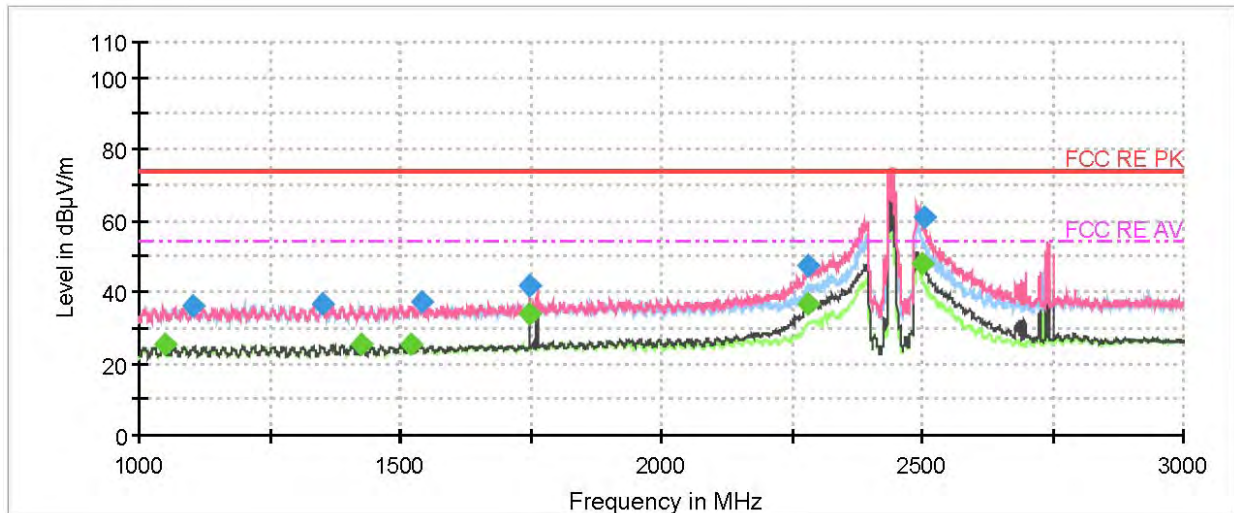
Radiates Emission from 3GHz to 18GHz



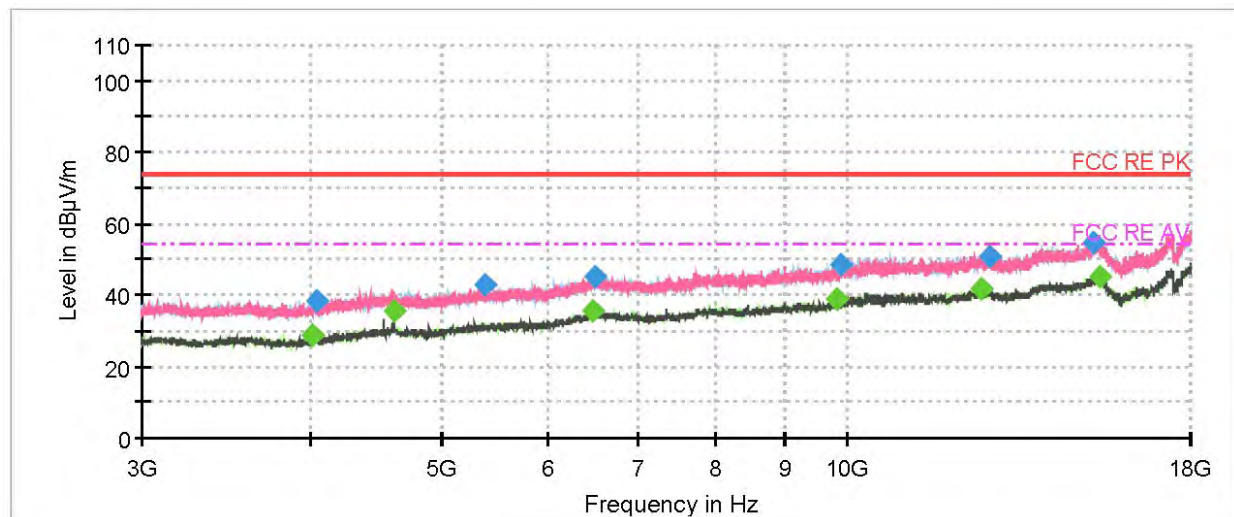
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1067.000000	---	24.90	54.00	29.10	1000.000	200.0	V	278.0	-20.9
1084.750000	36.72	---	74.00	37.28	1000.000	200.0	H	93.0	-20.7
1424.500000	36.88	---	74.00	37.12	1000.000	100.0	V	3.0	-19.3
1425.500000	---	25.36	54.00	28.64	1000.000	200.0	H	68.0	-19.3
1557.000000	36.97	---	74.00	37.03	1000.000	200.0	V	278.0	-18.9
1732.000000	---	25.51	54.00	28.49	1000.000	100.0	V	88.0	-18.6
1940.250000	---	27.19	54.00	26.81	1000.000	200.0	V	290.0	-18.3
2076.250000	38.41	---	74.00	35.59	1000.000	200.0	V	290.0	-18.0
2272.250000	---	35.09	54.00	18.91	1000.000	200.0	V	330.0	-17.0
2280.000000	47.46	---	74.00	26.54	1000.000	200.0	V	298.0	-17.0
2758.250000	56.20	---	74.00	17.80	1000.000	200.0	V	268.0	-16.1
2758.500000	---	44.98	54.00	9.02	1000.000	200.0	V	268.0	-16.1

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

802.11n (HT40) CH9



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



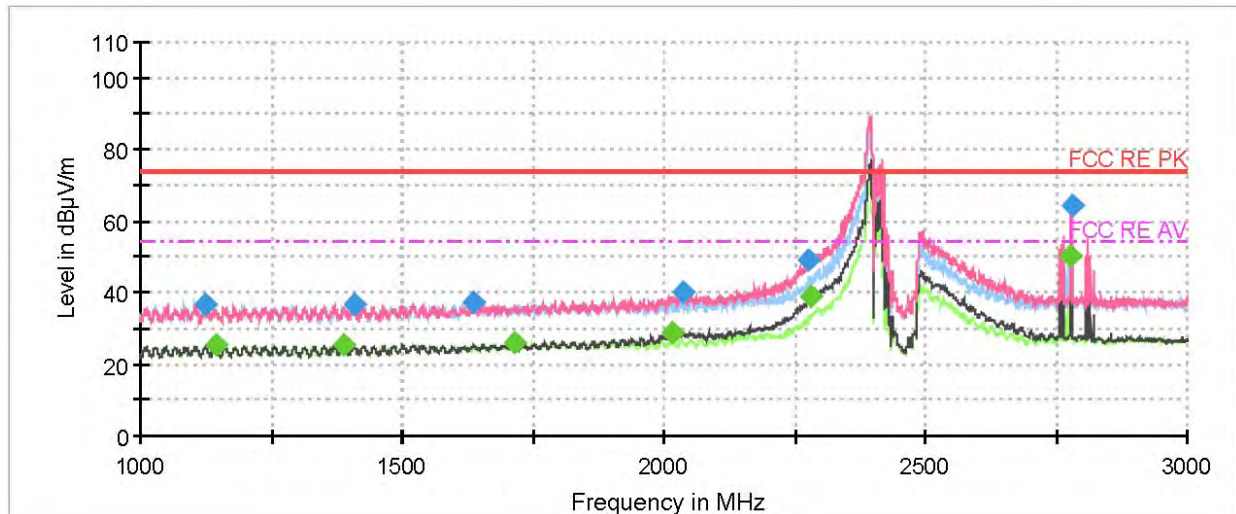
Radiates Emission from 3GHz to 18GHz



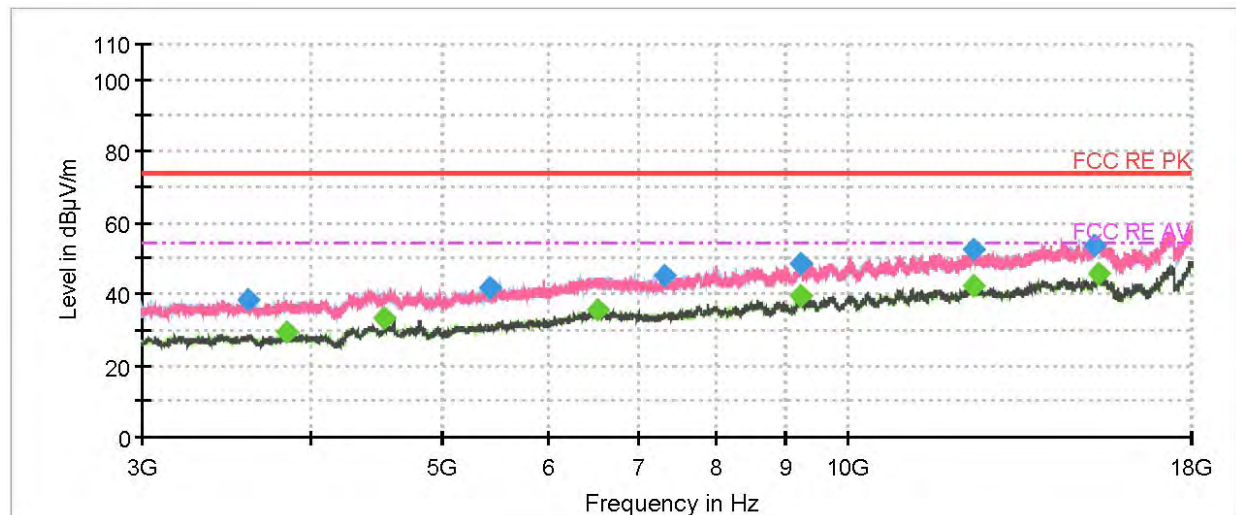
Frequency (MHz)	Peak (dBUV/m)	Average (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1049.500000	---	25.25	54.00	28.75	1000.000	100.0	V	68.0	-21.0
1103.000000	36.09	---	74.00	37.91	1000.000	100.0	V	135.0	-20.6
1352.750000	36.83	---	74.00	37.17	1000.000	100.0	V	93.0	-19.6
1426.750000	---	25.29	54.00	28.71	1000.000	100.0	V	68.0	-19.3
1520.500000	---	25.38	54.00	28.62	1000.000	200.0	H	65.0	-19.1
1541.250000	37.04	---	74.00	36.96	1000.000	100.0	H	106.0	-19.0
1747.500000	---	33.92	54.00	20.08	1000.000	200.0	V	175.0	-18.6
1747.500000	41.90	---	74.00	32.10	1000.000	200.0	V	175.0	-18.6
2281.000000	47.11	---	74.00	26.89	1000.000	200.0	V	286.0	-17.0
2282.500000	---	36.75	54.00	17.25	1000.000	200.0	V	294.0	-17.0
2498.250000	---	48.21	54.00	5.79	1000.000	200.0	V	286.0	-16.3
2504.750000	60.87	---	74.00	13.13	1000.000	200.0	V	269.0	-16.3

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

802.11ax (HE20) CH1



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



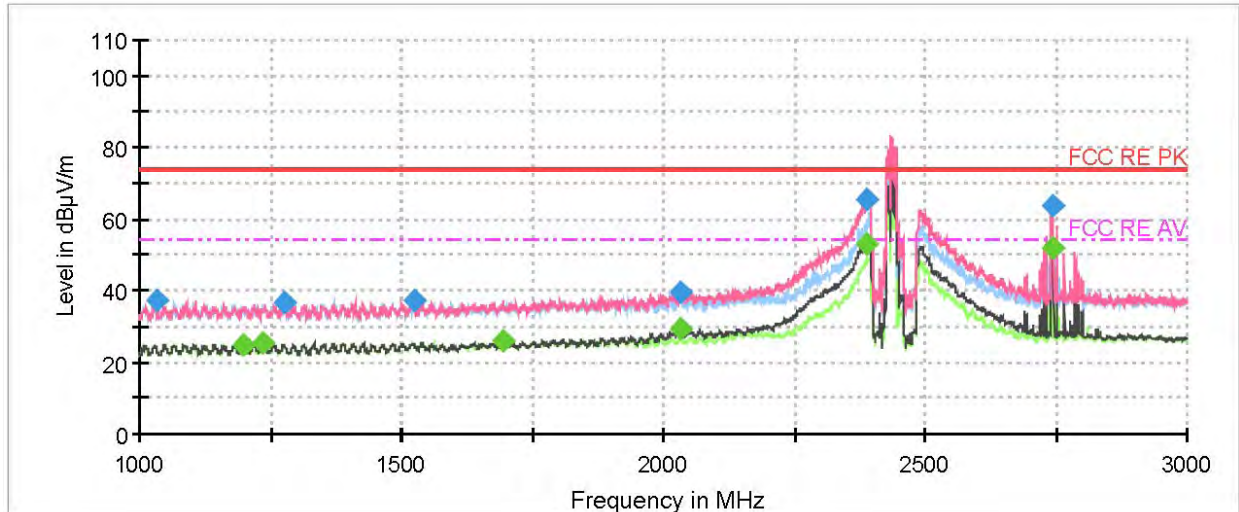
Radiates Emission from 3GHz to 18GHz



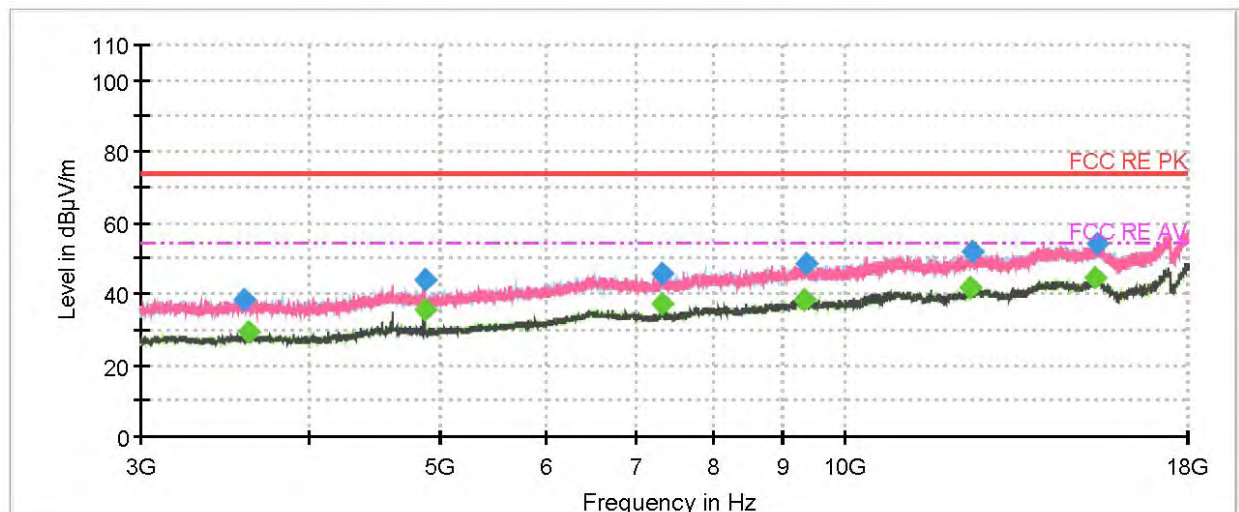
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1123.500000	36.90	---	74.00	37.10	1000.000	100.0	H	358.0	-20.6
1143.000000	---	25.12	54.00	28.88	1000.000	100.0	H	324.0	-20.5
1389.000000	---	25.37	54.00	28.63	1000.000	100.0	V	0.0	-19.6
1407.500000	36.56	---	74.00	37.44	1000.000	200.0	H	0.0	-19.4
1637.250000	37.08	---	74.00	36.92	1000.000	100.0	V	175.0	-18.7
1714.500000	---	25.71	54.00	28.29	1000.000	200.0	V	338.0	-18.6
2017.500000	---	28.98	54.00	25.02	1000.000	200.0	V	263.0	-18.2
2037.500000	40.12	---	74.00	33.88	1000.000	200.0	V	109.0	-18.0
2278.250000	49.04	---	74.00	24.96	1000.000	200.0	V	297.0	-17.0
2281.500000	---	39.11	54.00	14.89	1000.000	200.0	V	359.0	-17.0
2778.750000	---	50.39	54.00	3.61	1000.000	200.0	V	23.0	-16.1
2779.250000	64.27	---	74.00	9.73	1000.000	200.0	V	23.0	-16.1

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

802.11ax (HE20) CH6



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



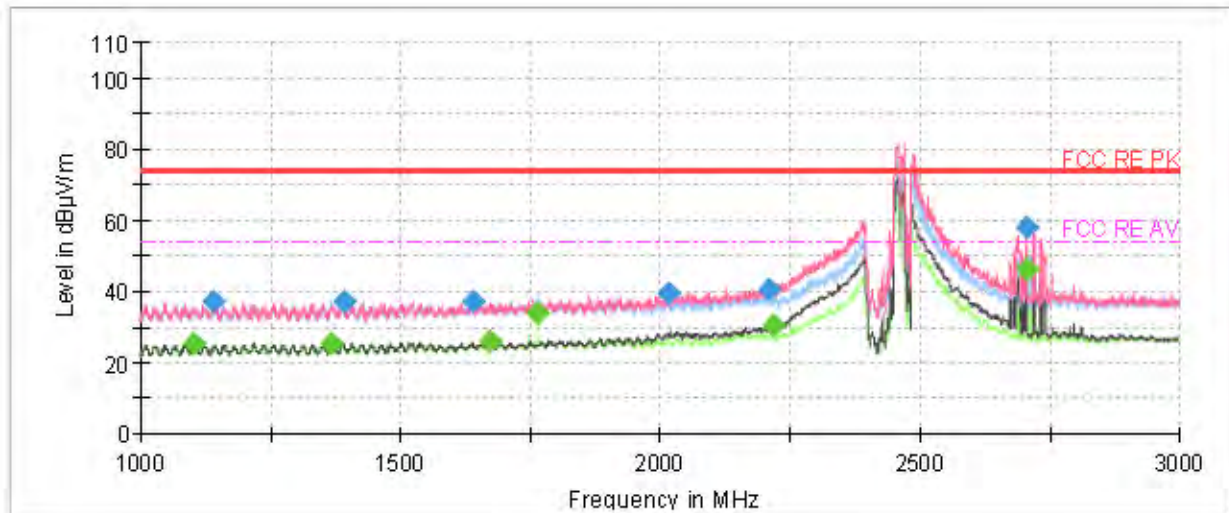
Radiates Emission from 3GHz to 18GHz



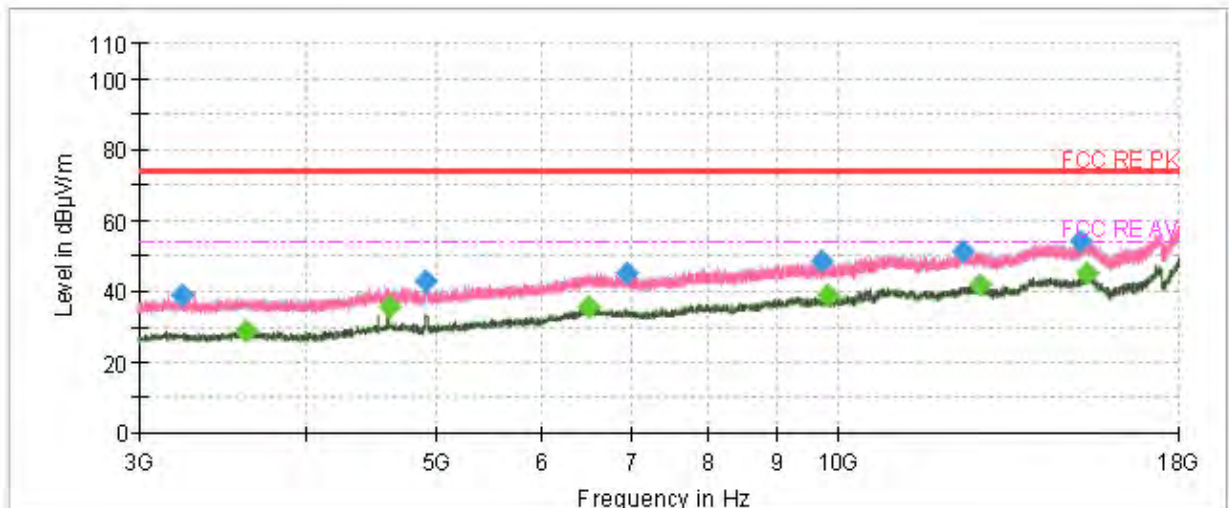
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1031.000000	37.05	---	74.00	36.95	1000.000	200.0	H	188.0	-21.0
1198.500000	---	25.07	54.00	28.93	1000.000	100.0	H	355.0	-20.3
1236.250000	---	25.31	54.00	28.69	1000.000	100.0	V	5.0	-20.0
1275.250000	36.83	---	74.00	37.17	1000.000	100.0	V	4.0	-19.9
1522.750000	37.08	---	74.00	36.93	1000.000	200.0	H	21.0	-19.0
1694.000000	---	25.72	54.00	28.28	1000.000	200.0	V	83.0	-18.6
2033.500000	39.71	---	74.00	34.29	1000.000	200.0	V	136.0	-18.1
2033.750000	---	29.13	54.00	24.87	1000.000	200.0	V	110.0	-18.1
2387.000000	---	53.29	54.00	0.71	1000.000	200.0	V	92.0	-16.5
2387.500000	65.53	---	74.00	8.47	1000.000	200.0	V	318.0	-16.5
2741.750000	---	51.88	54.00	2.12	1000.000	200.0	V	234.0	-16.1
2742.250000	63.67	---	74.00	10.33	1000.000	200.0	V	153.0	-16.1

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

802.11ax (HE20) CH11



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



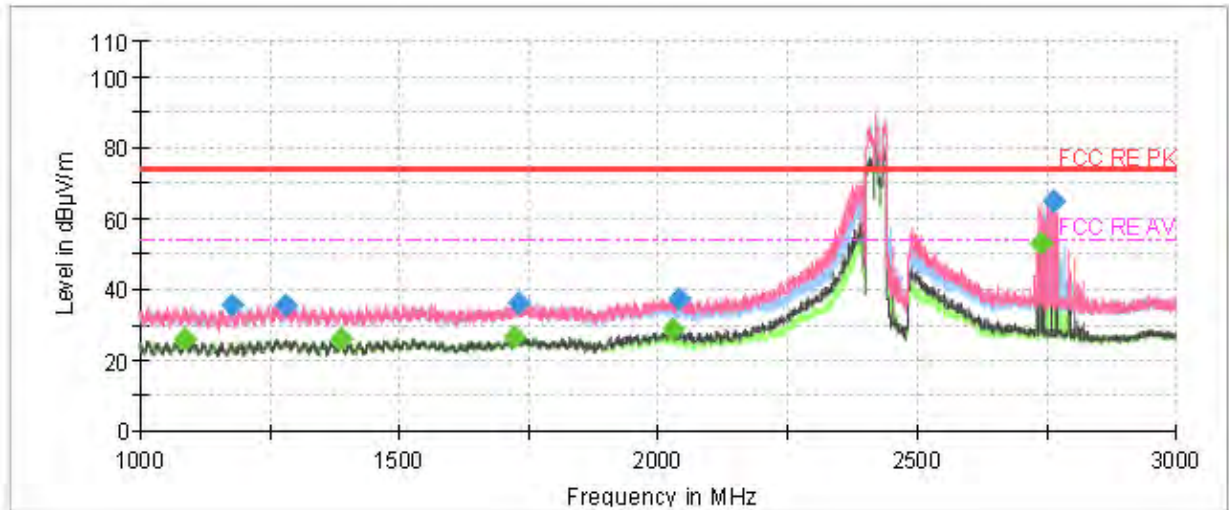
Radiates Emission from 3GHz to 18GHz



Frequency (MHz)	Peak (dBUV/m)	Average (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1105.000000	---	25.16	54.00	28.84	1000.000	100.0	V	152.0	-20.6
1142.000000	37.06	---	74.00	36.94	1000.000	200.0	V	350.0	-20.5
1369.750000	---	25.59	54.00	28.41	1000.000	100.0	V	4.0	-19.6
1392.000000	37.29	---	74.00	36.71	1000.000	100.0	V	0.0	-19.6
1641.750000	36.99	---	74.00	37.01	1000.000	100.0	V	33.0	-18.7
1672.750000	---	25.72	54.00	28.28	1000.000	100.0	V	74.0	-18.8
1763.250000	---	33.58	54.00	20.42	1000.000	100.0	H	0.0	-18.6
2017.500000	39.75	---	74.00	34.25	1000.000	200.0	V	260.0	-18.2
2211.000000	40.50	---	74.00	33.50	1000.000	200.0	V	346.0	-17.3
2219.250000	---	30.65	54.00	23.35	1000.000	200.0	V	355.0	-17.3
2704.750000	58.00	---	74.00	16.00	1000.000	100.0	V	220.0	-16.1
2706.000000	---	46.47	54.00	7.53	1000.000	100.0	V	220.0	-16.1

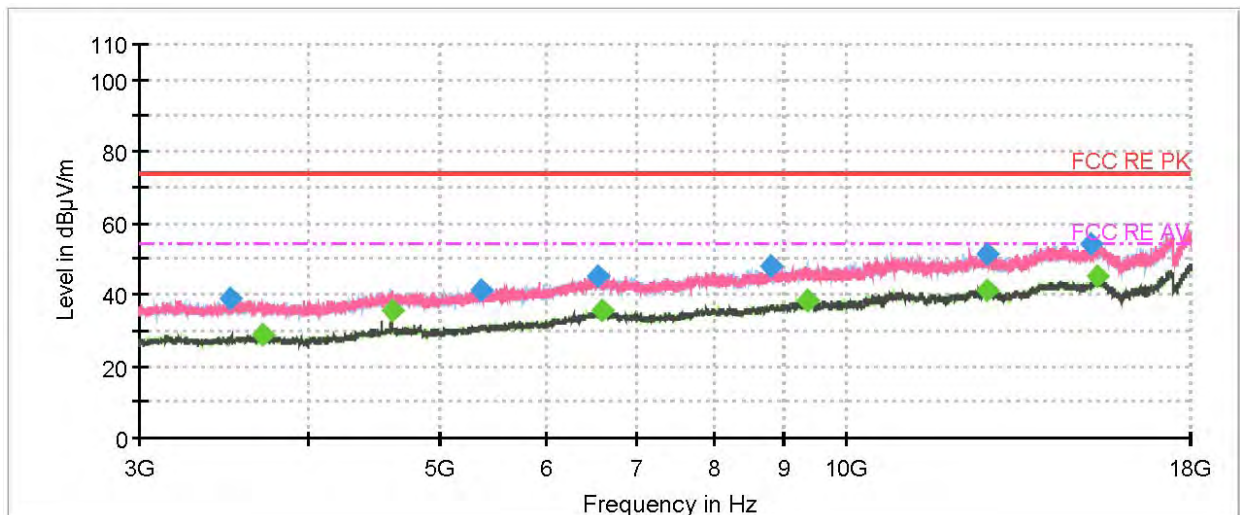
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11ax (HE40) CH3



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



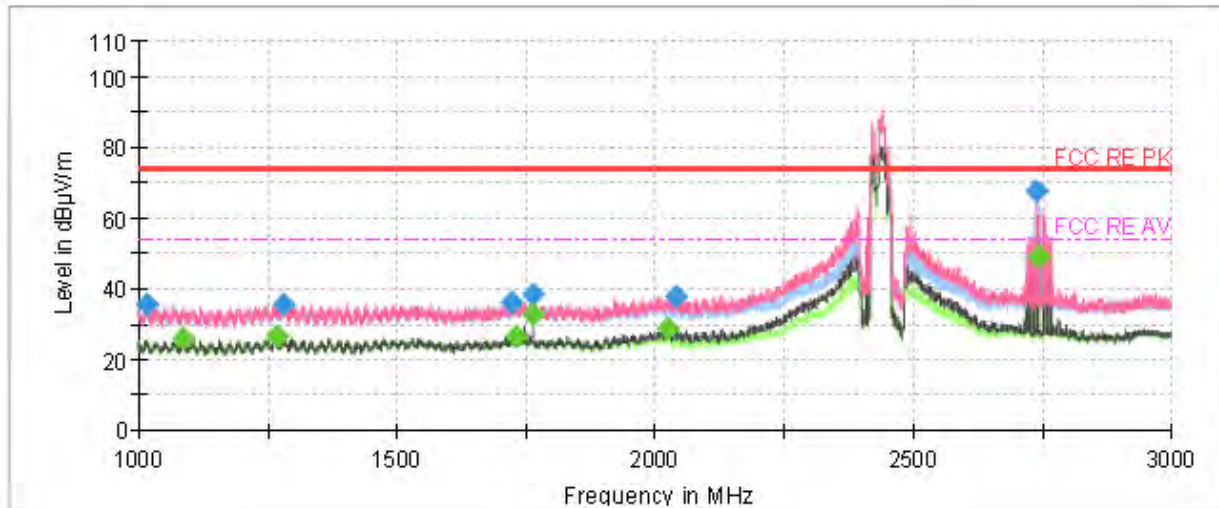
Radiates Emission from 3GHz to 18GHz



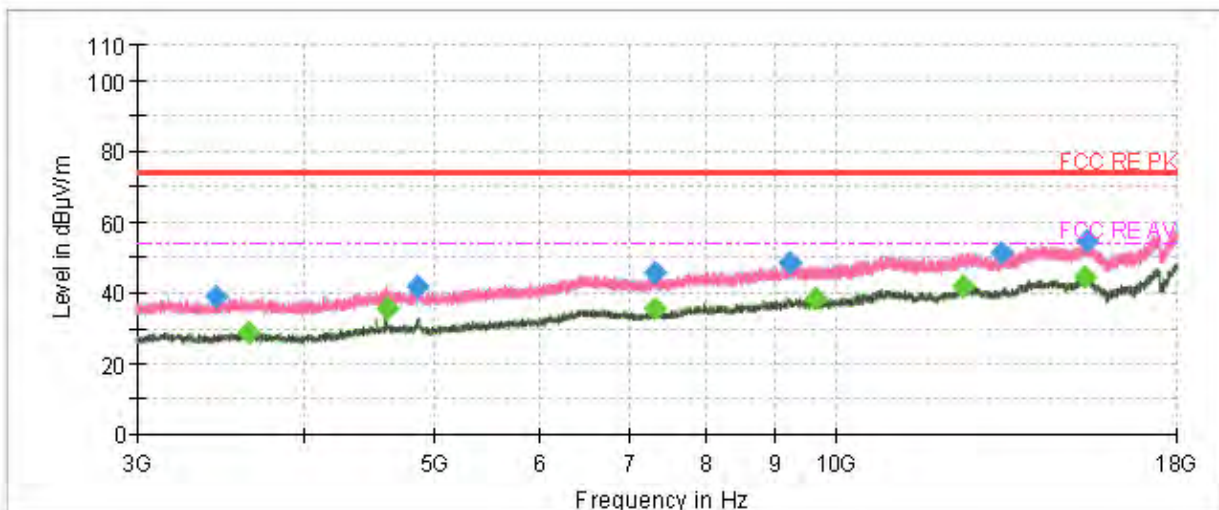
Frequency (MHz)	Peak (dBUV/m)	Average (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1087.266667	---	25.97	54.00	28.03	500.0	200.0	H	121.0	-20.7
1175.866667	35.58	---	74.00	38.42	500.0	200.0	H	17.0	-20.4
1281.800000	35.78	---	74.00	38.22	500.0	200.0	H	4.0	-19.9
1389.666667	---	25.96	54.00	28.04	500.0	200.0	H	107.0	-19.6
1724.333333	---	26.25	54.00	27.75	500.0	200.0	V	356.0	-18.6
1729.533333	35.83	---	74.00	38.17	500.0	200.0	V	354.0	-18.6
2027.200000	---	28.51	54.00	25.49	500.0	200.0	V	251.0	-18.1
2042.400000	37.45	---	74.00	36.55	500.0	200.0	V	266.0	-18.0
2737.866667	---	52.91	54.00	1.09	500.0	200.0	V	238.0	-16.1
2762.933333	65.04	---	74.00	8.96	500.0	200.0	V	167.0	-16.1
1087.266667	---	25.97	54.00	28.03	500.0	200.0	H	121.0	-20.7
1175.866667	35.58	---	74.00	38.42	500.0	200.0	H	17.0	-20.4

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

802.11ax (HE40) CH6



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



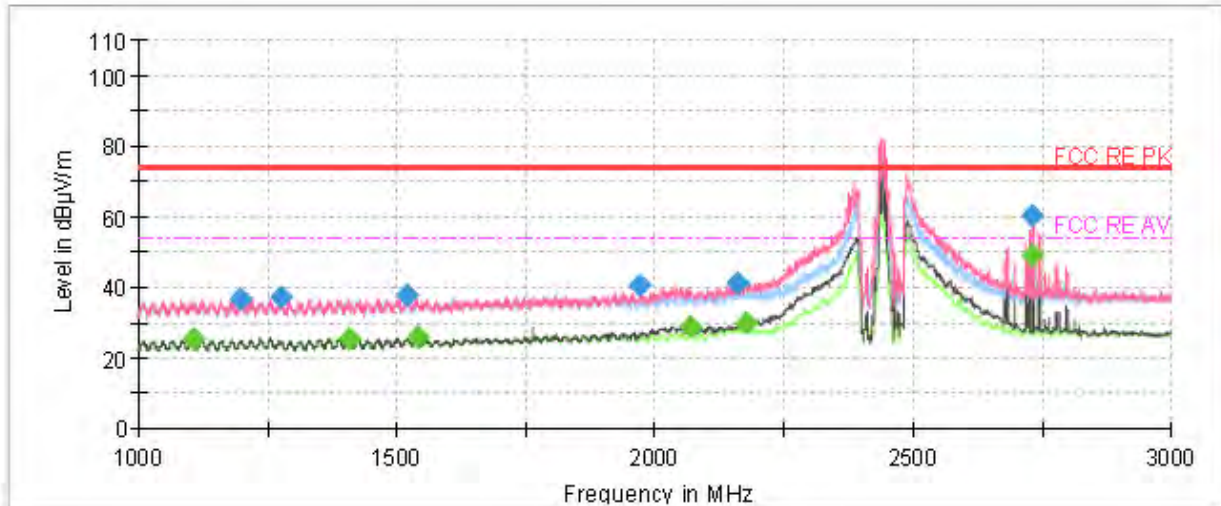
Radiates Emission from 3GHz to 18GHz



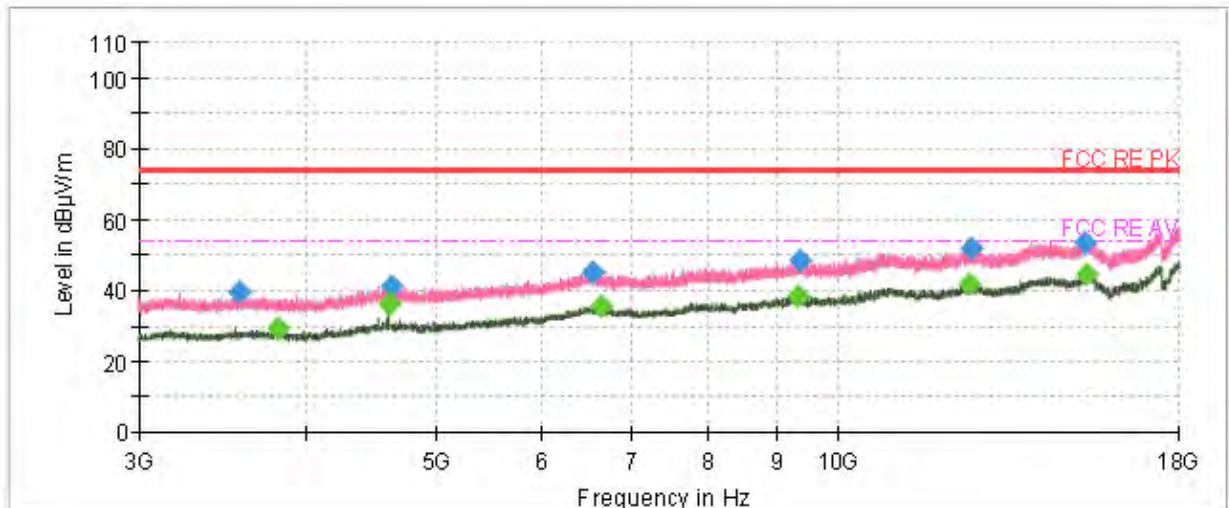
Frequency (MHz)	Peak (dBUV/m)	Average (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1014.466667	35.40	---	74.00	38.60	500.0	200.0	V	75.0	-21.0
1087.933333	---	26.10	54.00	27.90	500.0	200.0	V	75.0	-20.7
1268.733333	---	26.33	54.00	27.67	500.0	100.0	V	347.0	-19.9
1280.800000	35.36	---	74.00	38.64	500.0	100.0	H	0.0	-19.9
1723.133333	36.16	---	74.00	37.84	500.0	100.0	V	260.0	-18.6
1731.666667	---	26.49	54.00	27.51	500.0	200.0	H	308.0	-18.6
1763.600000	---	32.98	54.00	21.02	500.0	200.0	V	198.0	-18.6
1763.600000	38.34	---	74.00	35.66	500.0	200.0	V	198.0	-18.6
2025.133333	---	28.68	54.00	25.32	500.0	200.0	V	255.0	-18.1
2039.933333	37.62	---	74.00	36.38	500.0	200.0	V	89.0	-18.0
2741.400000	67.65	---	74.00	6.35	500.0	200.0	H	344.0	-16.1
2742.400000	---	49.34	54.00	4.66	500.0	200.0	V	24.0	-16.1

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

802.11ax (HE40) CH9



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



Radiates Emission from 3GHz to 18GHz

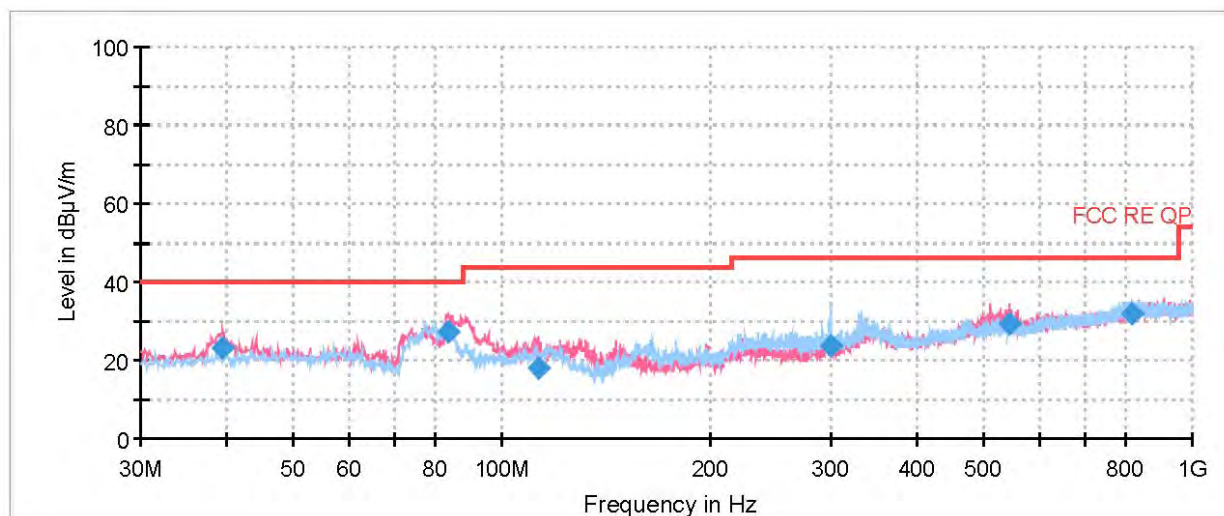


Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1105.750000	---	25.21	54.00	28.79	1000.000	200.0	H	293.0	-20.6
1200.000000	36.55	---	74.00	37.45	1000.000	100.0	H	149.0	-20.3
1275.500000	36.96	---	74.00	37.04	1000.000	100.0	H	157.0	-19.9
1408.750000	---	25.55	54.00	28.45	1000.000	100.0	H	183.0	-19.4
1520.250000	37.54	---	74.00	36.46	1000.000	200.0	V	313.0	-19.1
1540.250000	---	25.72	54.00	28.28	1000.000	100.0	V	78.0	-19.0
1972.000000	40.51	---	74.00	33.49	1000.000	100.0	V	294.0	-18.3
2069.750000	---	29.01	54.00	24.99	1000.000	200.0	V	110.0	-17.9
2162.750000	41.35	---	74.00	32.65	1000.000	200.0	V	358.0	-17.5
2179.500000	---	29.73	54.00	24.27	1000.000	200.0	V	127.0	-17.4
2731.500000	---	49.07	54.00	4.93	1000.000	200.0	V	0.0	-16.1
2731.750000	60.28	---	74.00	13.72	1000.000	200.0	V	0.0	-16.1

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

Galtronics:

Continuous TX mode:



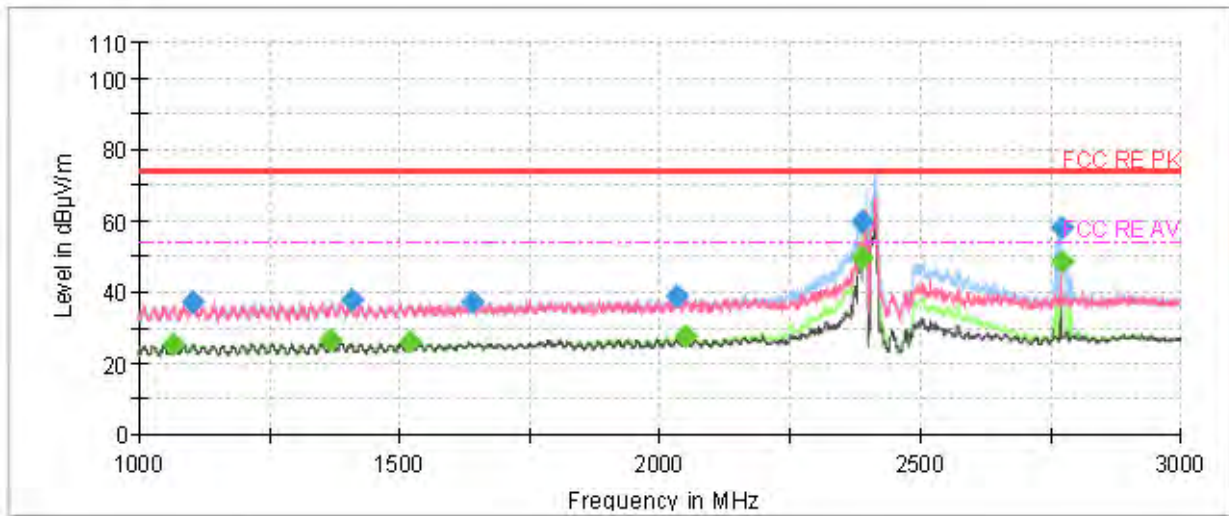
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
39.337500	23.32	121.0	V	136.0	13.5	16.68	40.00
83.390000	27.25	188.0	V	110.0	8.8	12.75	40.00
113.136250	18.14	100.0	V	284.0	12.1	25.36	43.50
299.492500	23.48	100.0	H	118.0	15.0	22.52	46.00
544.097500	29.26	100.0	V	168.0	19.9	16.74	46.00
819.816250	31.80	105.0	H	71.0	23.6	14.20	46.00

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

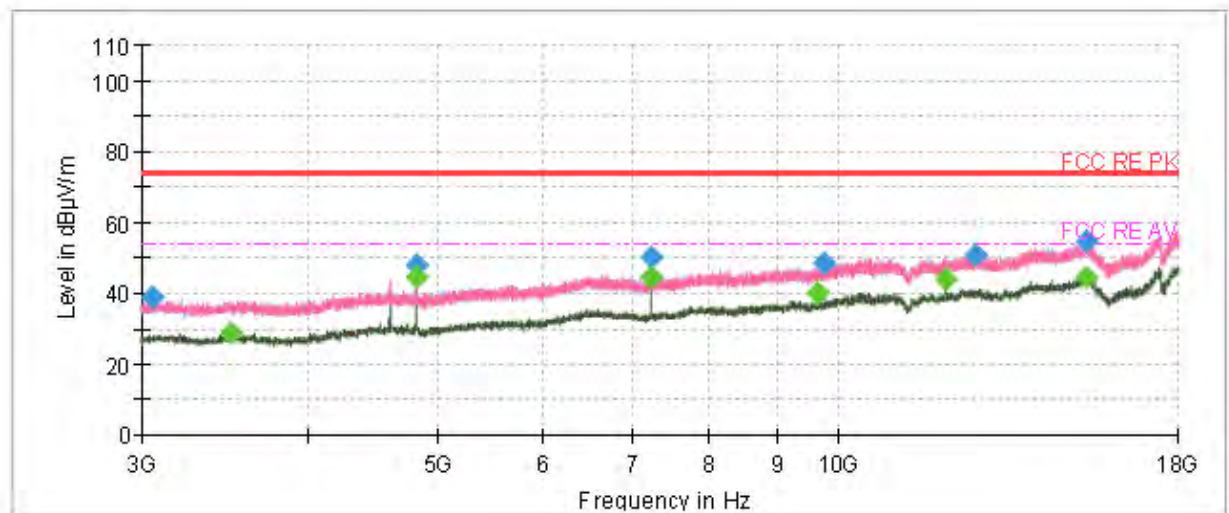
2. Margin = Limit – Quasi-Peak

802.11b CH1



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



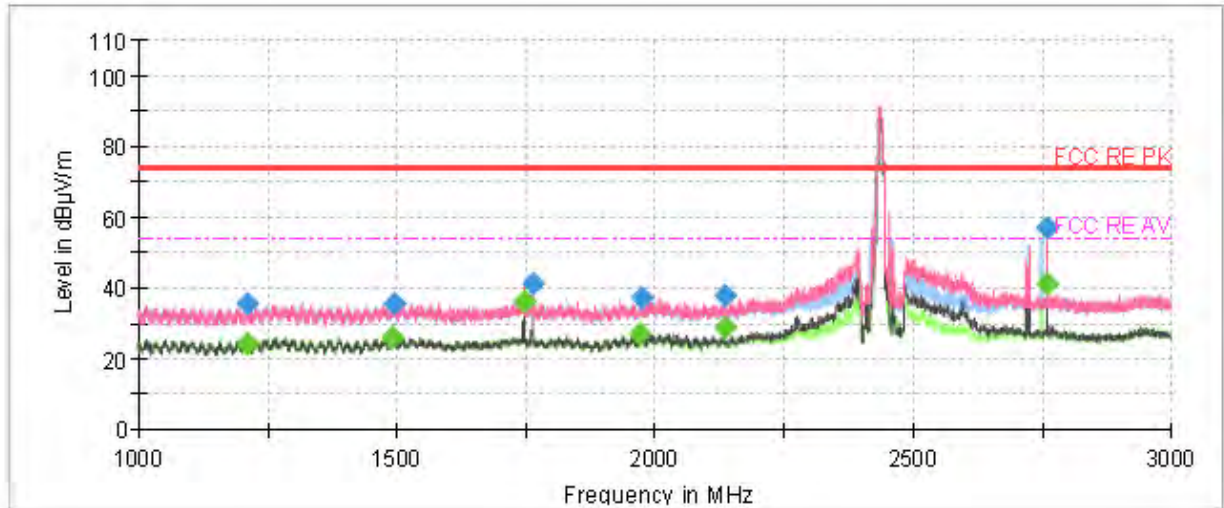
Radiates Emission from 3GHz to 18GHz



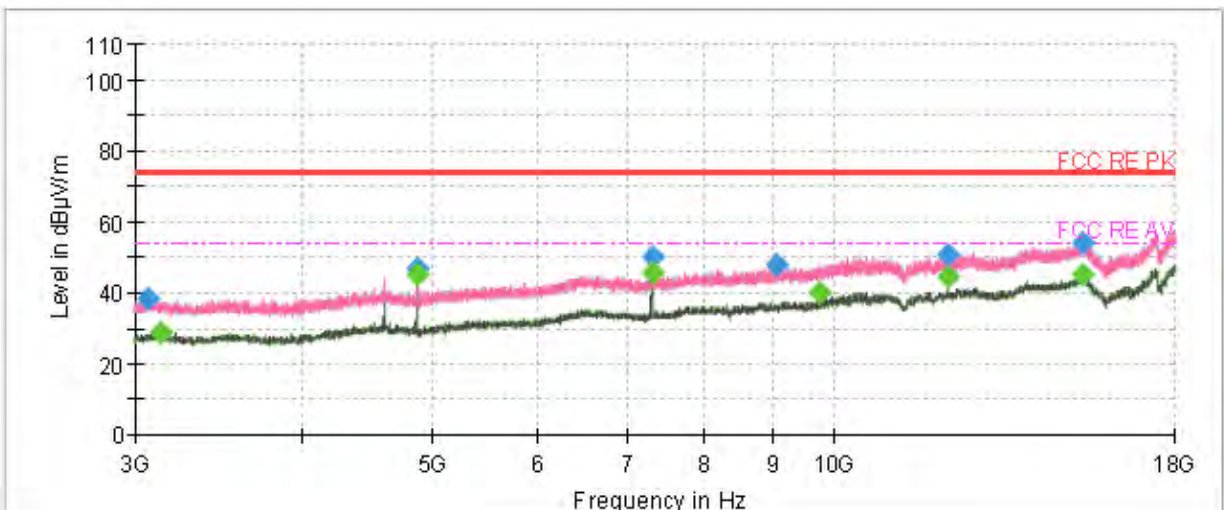
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1066.000000	---	25.46	54.00	28.54	1000.000	200.0	H	0.0	-20.9
1103.500000	37.44	---	74.00	36.56	1000.000	200.0	V	3.0	-20.6
1369.250000	---	26.40	54.00	27.60	1000.000	100.0	H	3.0	-19.6
1409.500000	37.61	---	74.00	36.39	1000.000	200.0	V	222.0	-19.4
1520.750000	---	25.87	54.00	28.13	1000.000	200.0	H	357.0	-19.1
1638.500000	37.45	---	74.00	36.55	1000.000	100.0	V	348.0	-18.7
2033.000000	38.85	---	74.00	35.15	1000.000	200.0	V	103.0	-18.1
2051.000000	---	27.65	54.00	26.35	1000.000	200.0	H	114.0	-18.0
2387.250000	---	49.44	54.00	4.56	1000.000	200.0	V	112.0	-16.5
2387.250000	59.69	---	74.00	14.31	1000.000	200.0	H	156.0	-16.5
2770.750000	57.98	---	74.00	16.02	1000.000	200.0	H	173.0	-16.1
2770.750000	---	48.31	54.00	5.69	1000.000	200.0	H	173.0	-16.1

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

802.11b CH6



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



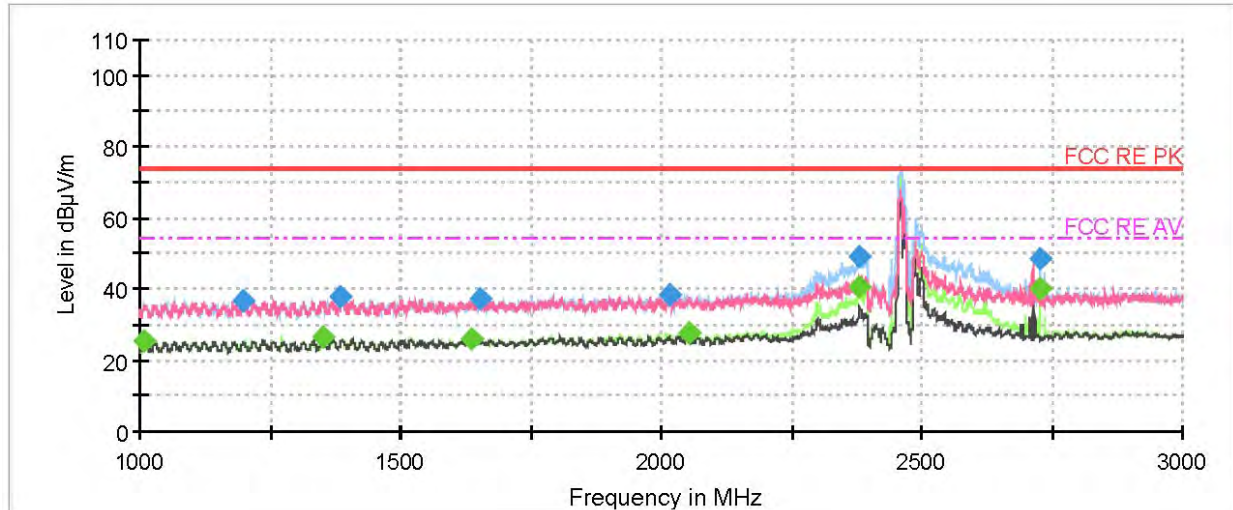
Radiates Emission from 3GHz to 18GHz



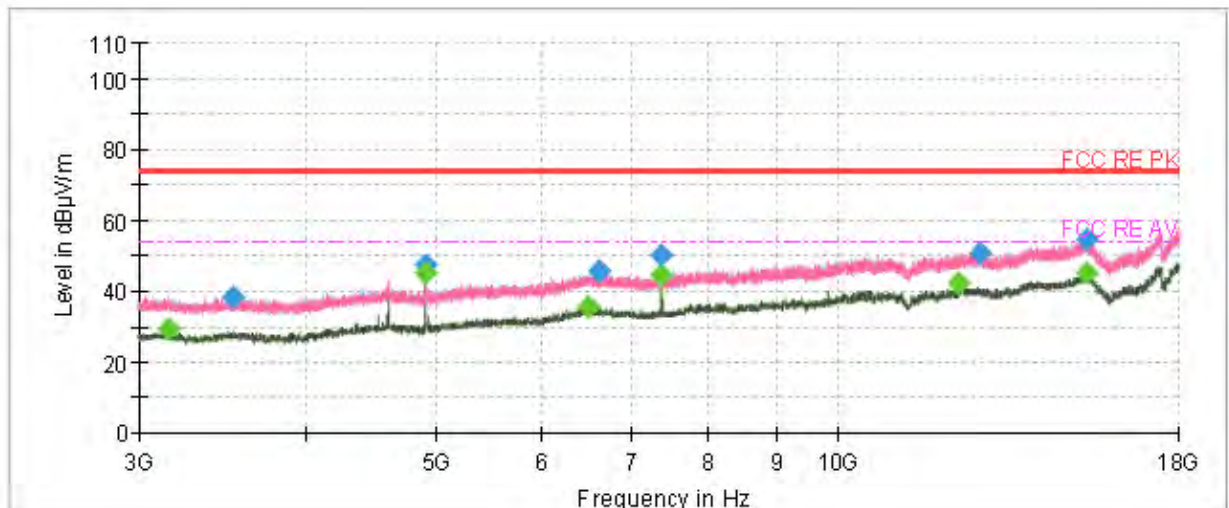
Frequency (MHz)	Peak (dBUV/m)	Average (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1209.666667	35.32	---	74.00	38.68	500.0	200.0	V	4.0	-20.2
1212.333333	---	24.36	54.00	29.64	500.0	200.0	H	310.0	-20.2
1493.133333	---	25.90	54.00	28.10	500.0	200.0	V	202.0	-19.2
1495.866667	35.51	---	74.00	38.49	500.0	100.0	V	263.0	-19.2
1746.200000	---	36.10	54.00	17.90	500.0	100.0	V	352.0	-18.6
1763.400000	40.99	---	74.00	33.01	500.0	100.0	V	359.0	-18.6
1972.466667	---	26.98	54.00	27.02	500.0	200.0	H	257.0	-18.3
1974.600000	37.25	---	74.00	36.75	500.0	200.0	H	336.0	-18.3
2135.733333	---	28.61	54.00	25.39	500.0	200.0	V	271.0	-17.5
2136.000000	37.83	---	74.00	36.17	500.0	200.0	V	271.0	-17.5
2759.266667	56.75	---	74.00	17.25	500.0	100.0	V	359.0	-16.1
2759.266667	---	41.07	54.00	12.93	500.0	100.0	V	359.0	-16.1

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

802.11b CH11



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



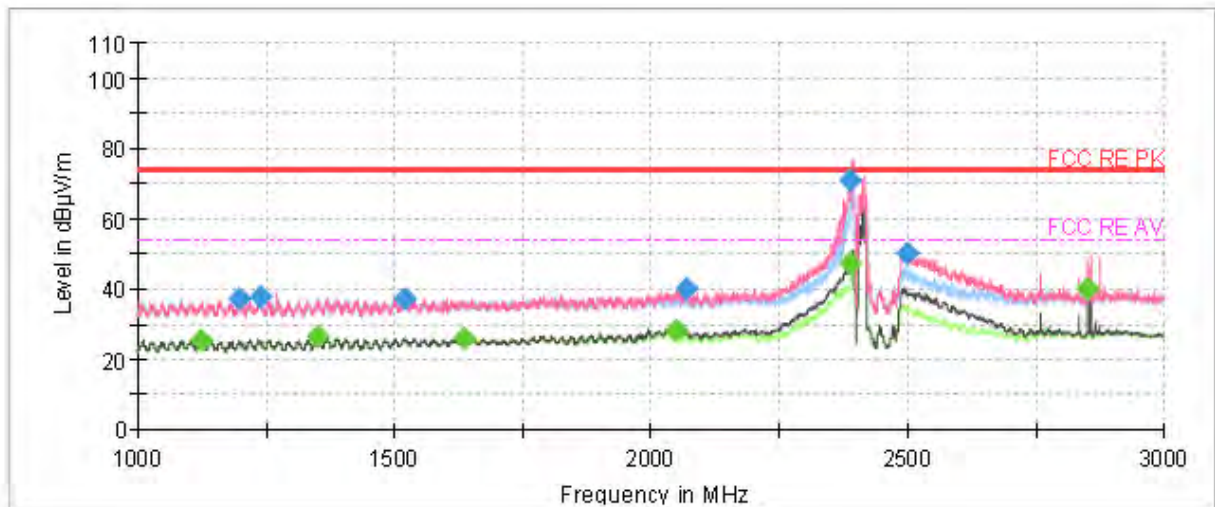
Radiates Emission from 3GHz to 18GHz



Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1009.750000	---	25.59	54.00	28.41	1000.000	100.0	H	24.0	-21.0
1198.500000	36.66	---	74.00	37.34	1000.000	200.0	V	45.0	-20.3
1351.250000	---	26.45	54.00	27.55	1000.000	100.0	H	19.0	-19.6
1385.000000	37.58	---	74.00	36.42	1000.000	100.0	H	32.0	-19.6
1635.750000	---	25.91	54.00	28.09	1000.000	100.0	H	24.0	-18.7
1654.750000	37.24	---	74.00	36.76	1000.000	100.0	H	57.0	-18.8
2016.000000	38.33	---	74.00	35.67	1000.000	200.0	H	97.0	-18.2
2052.500000	---	27.39	54.00	26.61	1000.000	100.0	H	99.0	-17.9
2381.250000	---	40.35	54.00	13.65	1000.000	200.0	H	172.0	-16.6
2381.250000	49.05	---	74.00	24.95	1000.000	100.0	H	158.0	-16.6
2727.250000	---	39.82	54.00	14.18	1000.000	100.0	H	244.0	-16.1
2727.500000	48.36	---	74.00	25.64	1000.000	100.0	H	244.0	-16.1

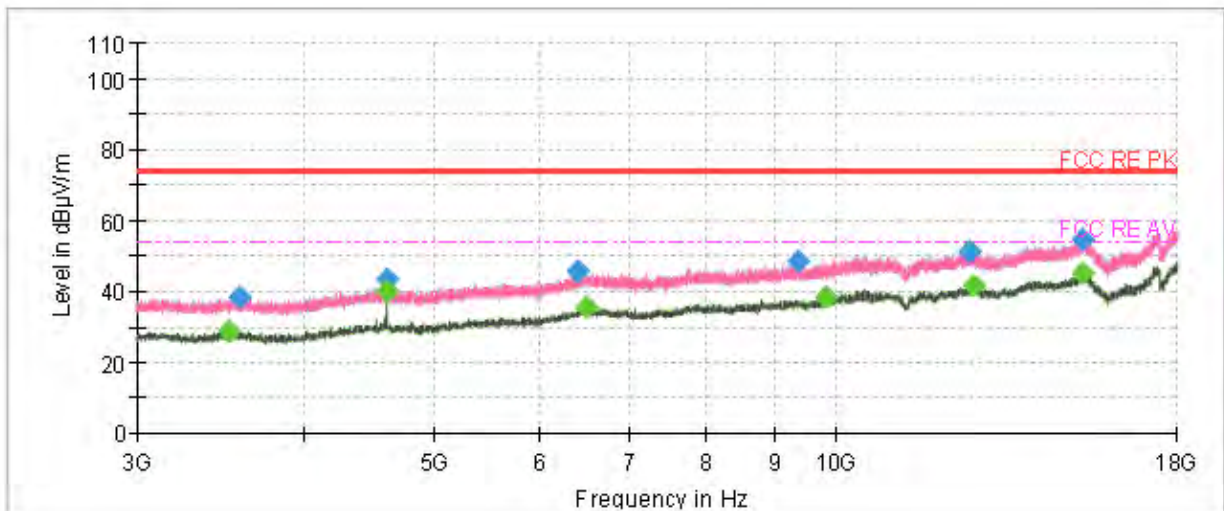
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11g CH1



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



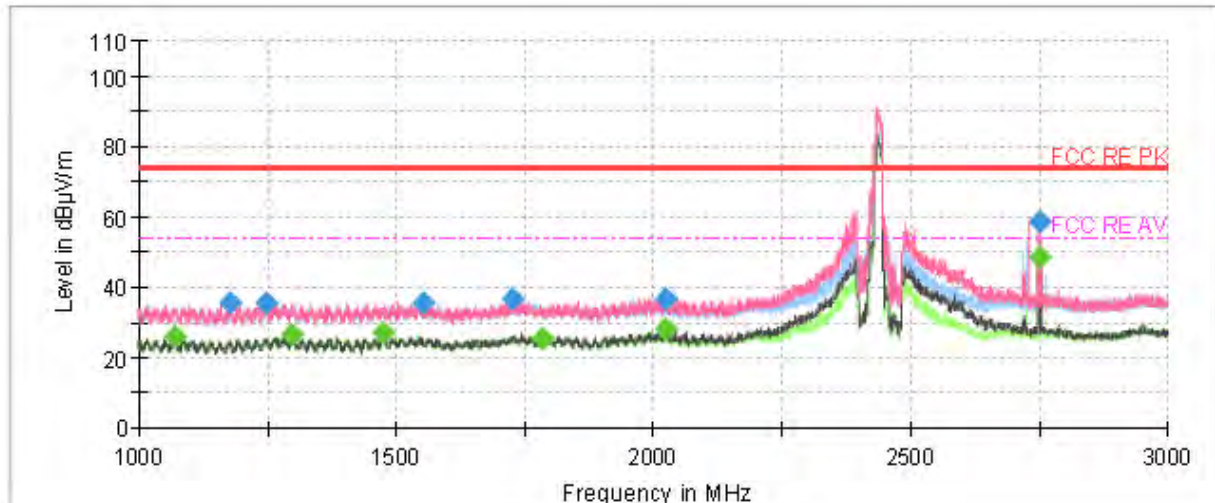
Radiates Emission from 3GHz to 18GHz



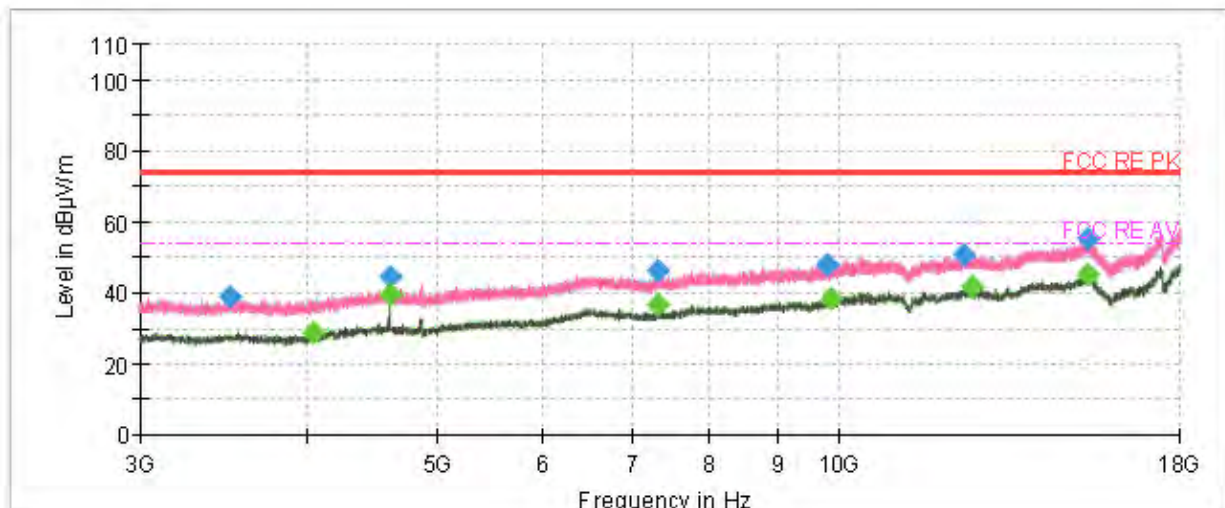
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1122.750000	---	25.38	54.00	28.62	1000.000	100.0	V	359.0	-20.6
1198.500000	37.11	---	74.00	36.89	1000.000	200.0	V	224.0	-20.3
1238.750000	37.79	---	74.00	36.21	1000.000	100.0	V	318.0	-20.0
1351.500000	---	26.65	54.00	27.35	1000.000	200.0	H	0.0	-19.6
1518.750000	37.38	---	74.00	36.62	1000.000	200.0	H	244.0	-19.1
1635.000000	---	25.91	54.00	28.09	1000.000	100.0	V	355.0	-18.7
2051.250000	---	28.47	54.00	25.53	1000.000	200.0	V	2.0	-18.0
2068.750000	39.81	---	74.00	34.19	1000.000	100.0	V	327.0	-17.9
2388.750000	70.89	---	74.00	3.11	1000.000	200.0	V	181.0	-16.5
2389.750000	---	47.63	54.00	6.37	1000.000	100.0	V	341.0	-16.5
2502.000000	50.44	---	74.00	23.56	1000.000	200.0	V	339.0	-16.3
2850.500000	---	39.96	54.00	14.04	1000.000	200.0	V	216.0	-16.0

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

802.11g CH6



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



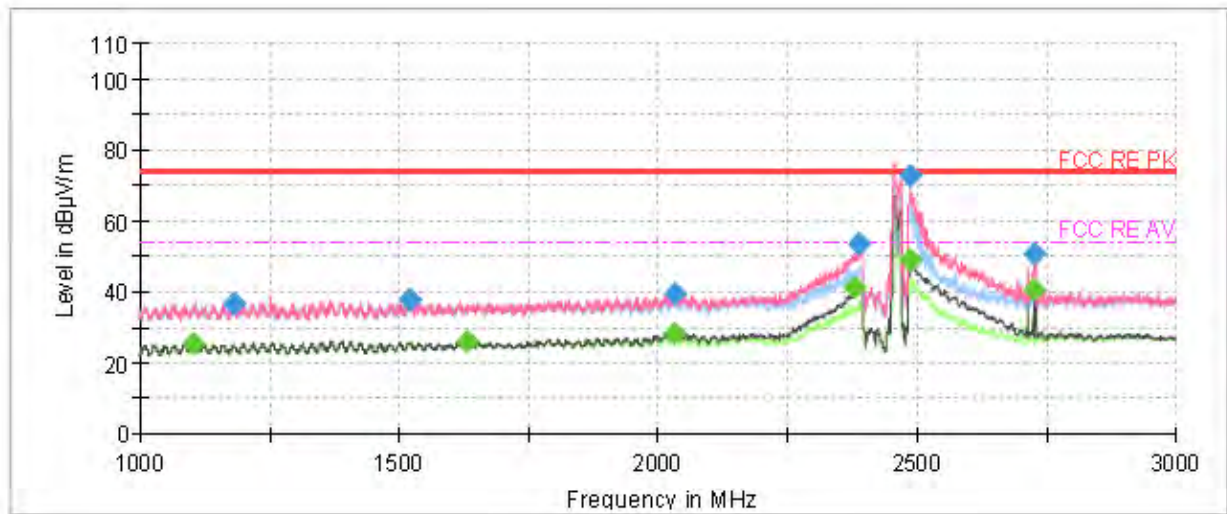
Radiates Emission from 3GHz to 18GHz



Frequency (MHz)	Peak (dBUV/m)	Average (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1069.666667	---	25.88	54.00	28.12	500.0	200.0	H	87.0	-20.8
1177.666667	35.50	---	74.00	38.50	500.0	100.0	H	158.0	-20.4
1249.400000	35.64	---	74.00	38.36	500.0	100.0	H	2.0	-20.0
1299.266667	---	26.24	54.00	27.76	500.0	100.0	H	144.0	-19.8
1476.600000	---	27.00	54.00	27.00	500.0	200.0	H	289.0	-19.3
1552.133333	35.31	---	74.00	38.69	500.0	100.0	H	158.0	-19.0
1729.000000	36.53	---	74.00	37.47	500.0	100.0	H	4.0	-18.6
1784.066667	---	25.14	54.00	28.86	500.0	100.0	V	225.0	-18.5
2023.933333	---	27.96	54.00	26.04	500.0	200.0	V	332.0	-18.2
2024.666667	36.90	---	74.00	37.10	500.0	200.0	V	0.0	-18.2
2753.200000	58.70	---	74.00	15.30	500.0	200.0	V	0.0	-16.1
2753.200000	---	48.68	54.00	5.32	500.0	200.0	V	0.0	-16.1

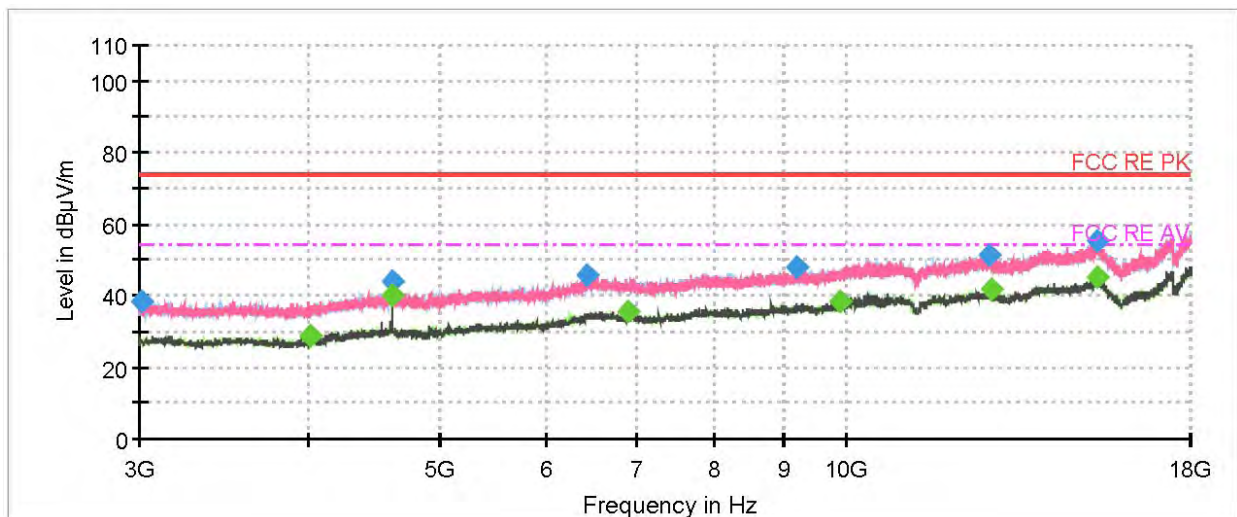
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11g CH11



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



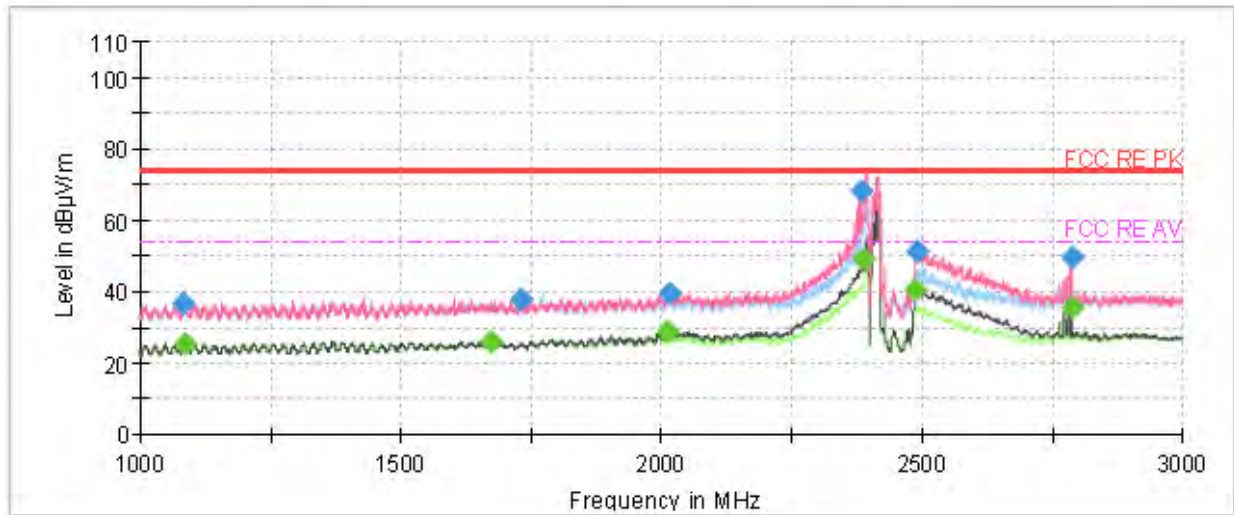
Radiates Emission from 3GHz to 18GHz



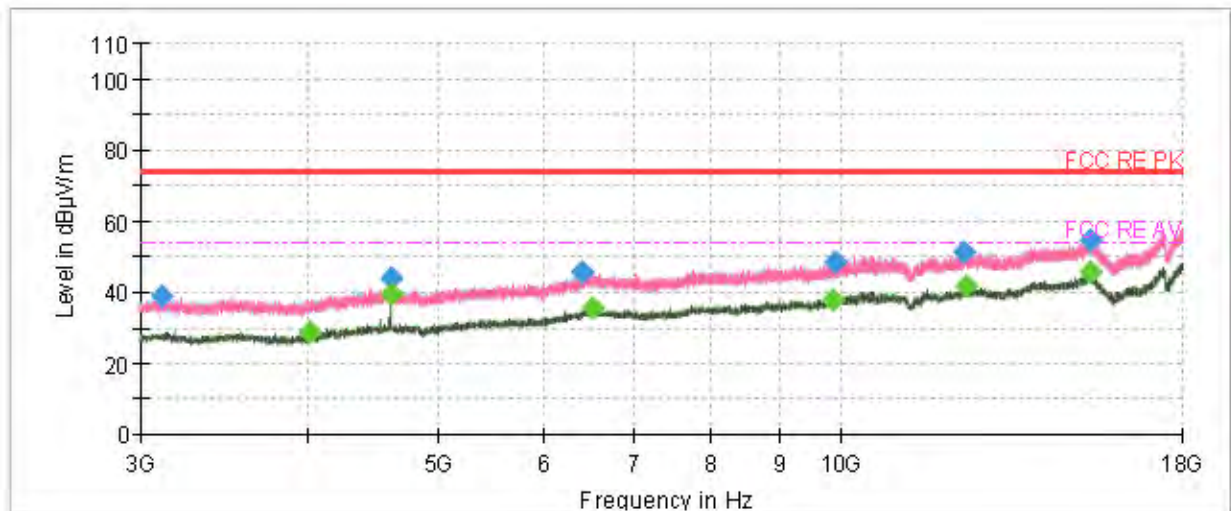
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1103.500000	---	25.61	54.00	28.39	1000.000	100.0	V	314.0	-20.6
1182.000000	36.78	---	74.00	37.22	1000.000	100.0	H	70.0	-20.4
1522.500000	37.68	---	74.00	36.32	1000.000	200.0	V	1.0	-19.0
1633.750000	---	25.92	54.00	28.08	1000.000	100.0	H	12.0	-18.7
2032.000000	39.27	---	74.00	34.73	1000.000	200.0	V	320.0	-18.1
2033.250000	---	28.22	54.00	25.78	1000.000	200.0	V	338.0	-18.1
2378.500000	---	41.22	54.00	12.78	1000.000	200.0	V	349.0	-16.6
2389.000000	53.36	---	74.00	20.64	1000.000	200.0	V	0.0	-16.5
2487.250000	---	48.99	54.00	5.01	1000.000	100.0	V	338.0	-16.3
2487.250000	72.72	---	74.00	1.28	1000.000	100.0	V	338.0	-16.3
2728.750000	50.80	---	74.00	23.20	1000.000	100.0	V	254.0	-16.1
2729.000000	---	40.36	54.00	13.64	1000.000	100.0	V	254.0	-16.1

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

802.11n (HT20) CH1



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



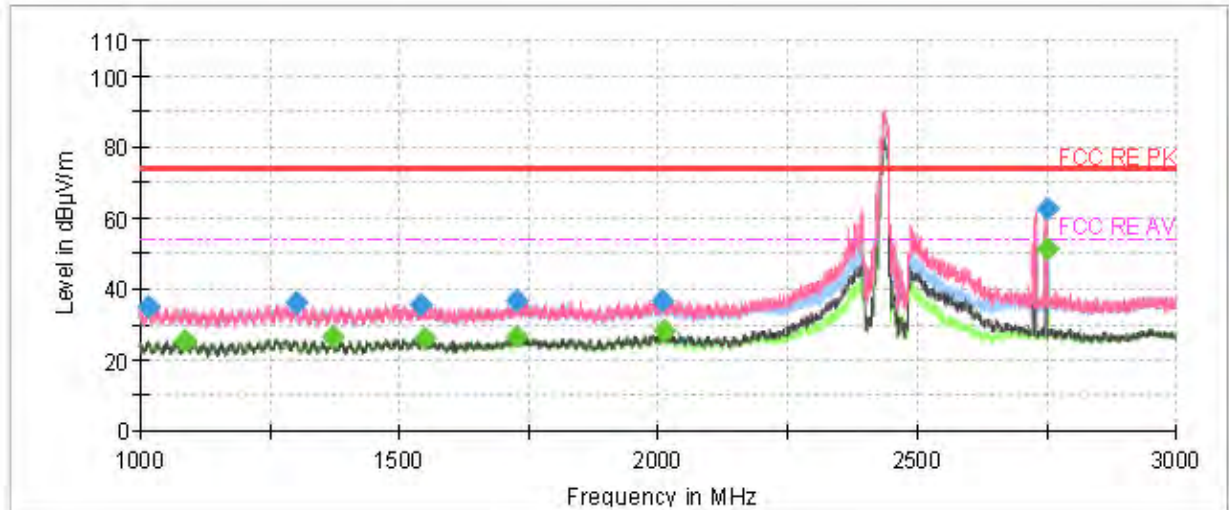
Radiates Emission from 3GHz to 18GHz



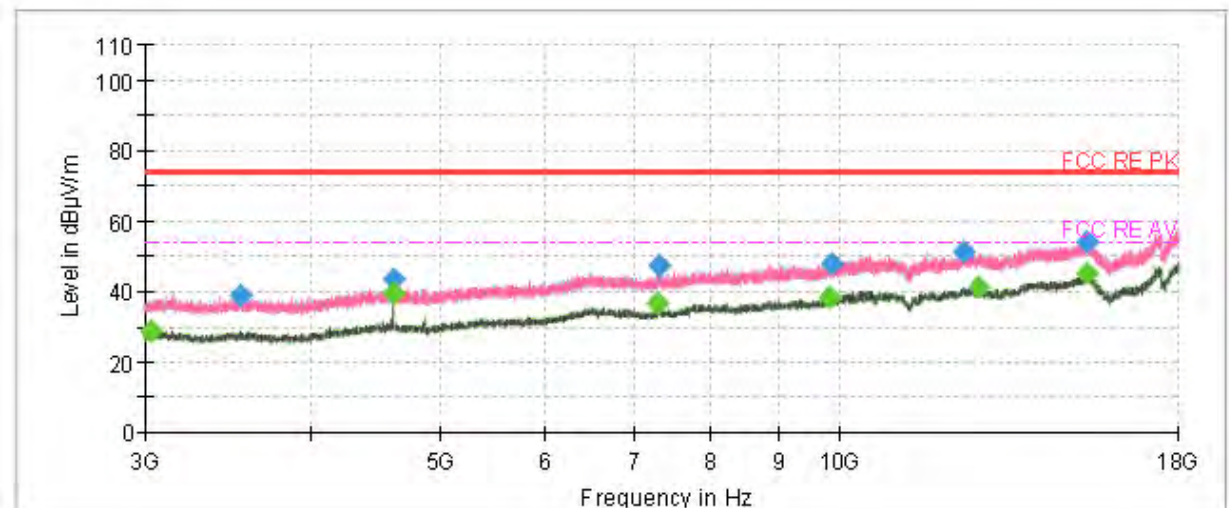
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1082.750000	36.93	---	74.00	37.07	1000.000	200.0	H	269.0	-20.7
1086.750000	---	25.45	54.00	28.55	1000.000	200.0	V	132.0	-20.7
1673.750000	---	26.14	54.00	27.86	1000.000	200.0	V	56.0	-18.7
1731.000000	37.96	---	74.00	36.04	1000.000	100.0	V	318.0	-18.6
2013.250000	---	28.83	54.00	25.17	1000.000	200.0	V	323.0	-18.2
2016.250000	39.44	---	74.00	34.56	1000.000	200.0	V	312.0	-18.2
2383.250000	68.44	---	74.00	5.56	1000.000	200.0	V	4.0	-16.5
2389.000000	---	49.26	54.00	4.74	1000.000	100.0	V	334.0	-16.5
2488.500000	---	40.79	54.00	13.21	1000.000	200.0	V	243.0	-16.3
2493.250000	51.45	---	74.00	22.55	1000.000	100.0	V	346.0	-16.3
2787.250000	49.50	---	74.00	24.50	1000.000	200.0	V	209.0	-16.1
2787.250000	---	35.27	54.00	18.73	1000.000	200.0	V	209.0	-16.1

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

802.11n (HT20) CH6



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



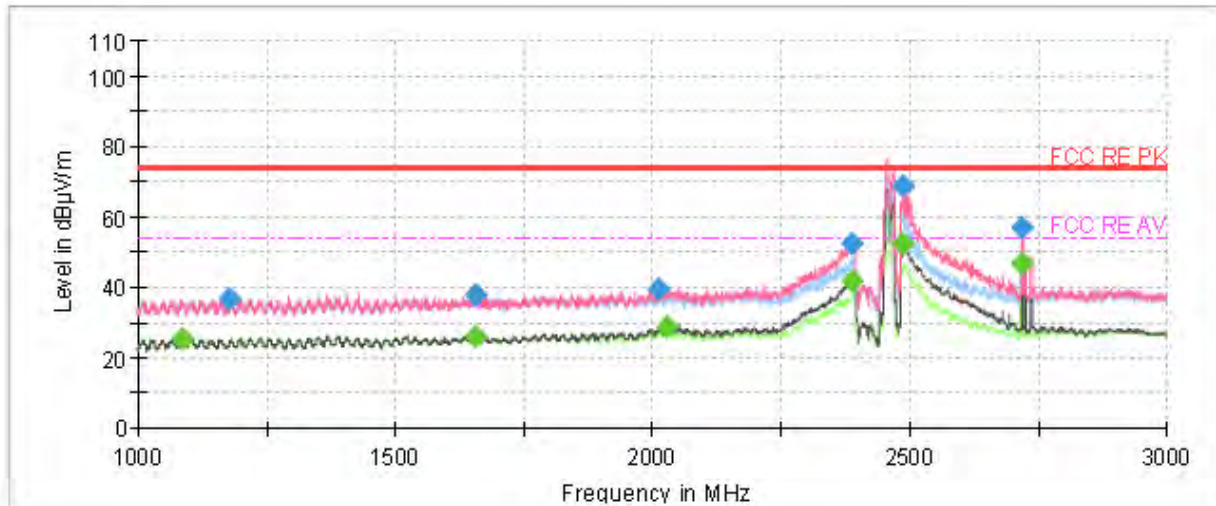
Radiates Emission from 3GHz to 18GHz



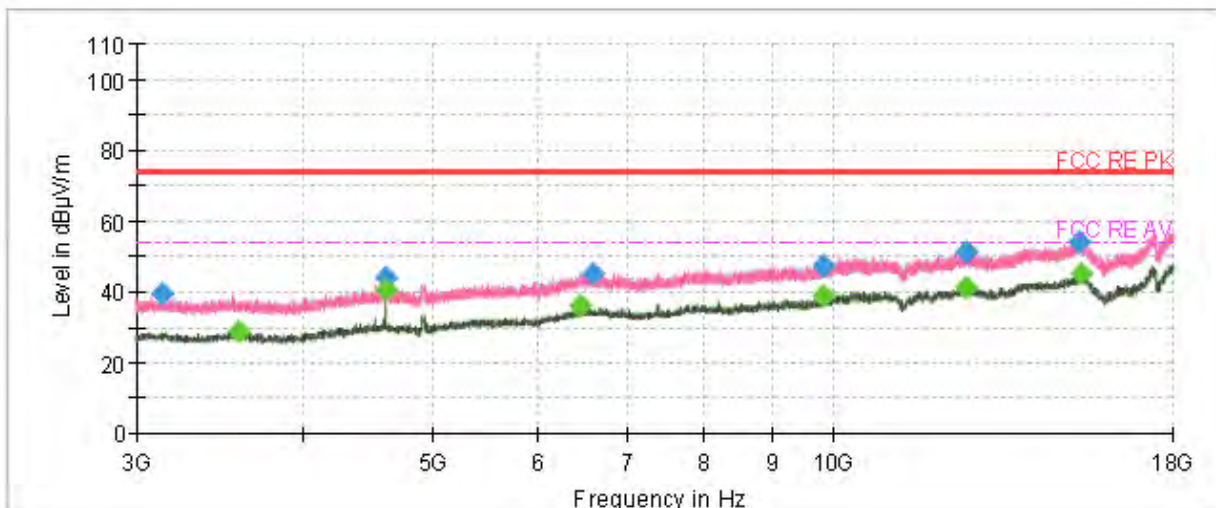
Frequency (MHz)	Peak (dBUV/m)	Average (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1016.600000	35.11	---	74.00	38.89	500.0	200.0	H	244.0	-21.0
1086.200000	---	25.66	54.00	28.34	500.0	200.0	H	313.0	-20.7
1300.133333	36.38	---	74.00	37.62	500.0	100.0	H	14.0	-19.8
1370.133333	---	26.65	54.00	27.35	500.0	200.0	H	161.0	-19.6
1542.066667	35.30	---	74.00	38.70	500.0	100.0	V	254.0	-19.0
1548.333333	---	25.87	54.00	28.13	500.0	100.0	H	93.0	-19.0
1726.133333	---	26.51	54.00	27.49	500.0	200.0	V	46.0	-18.6
1728.266667	36.42	---	74.00	37.58	500.0	100.0	V	351.0	-18.6
2008.333333	36.64	---	74.00	37.36	500.0	200.0	H	258.0	-18.2
2010.600000	---	28.02	54.00	25.98	500.0	200.0	V	333.0	-18.2
2751.333333	62.63	---	74.00	11.37	500.0	200.0	H	258.0	-16.1
2751.533333	---	51.43	54.00	2.57	500.0	200.0	H	258.0	-16.1

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

802.11n (HT20) CH11



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



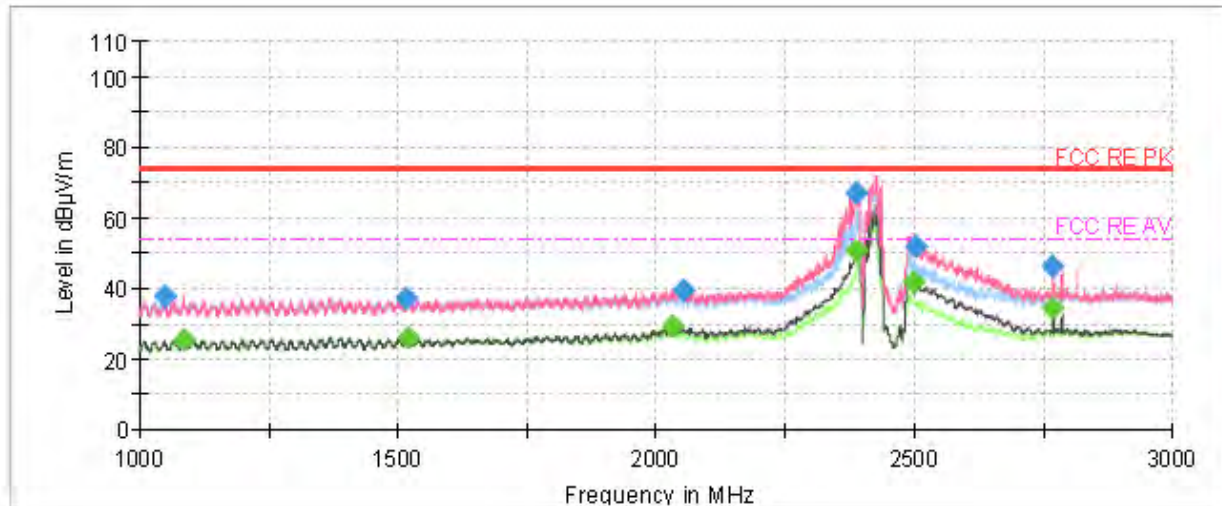
Radiates Emission from 3GHz to 18GHz



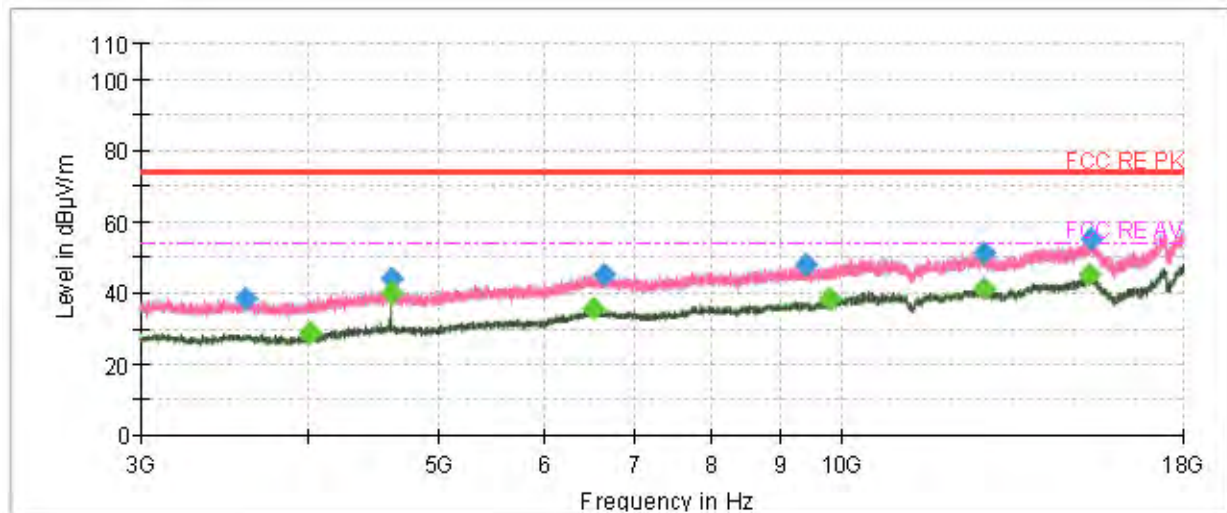
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1085.750000	---	25.47	54.00	28.53	1000.000	100.0	V	204.0	-20.7
1179.000000	36.81	---	74.00	37.19	1000.000	200.0	V	97.0	-20.4
1655.000000	---	26.14	54.00	27.86	1000.000	200.0	V	89.0	-18.8
1656.750000	37.52	---	74.00	36.48	1000.000	200.0	H	271.0	-18.8
2012.000000	39.70	---	74.00	34.30	1000.000	100.0	V	313.0	-18.2
2028.750000	---	28.95	54.00	25.05	1000.000	200.0	V	333.0	-18.1
2388.750000	---	41.48	54.00	12.52	1000.000	200.0	V	9.0	-16.5
2388.750000	52.37	---	74.00	21.63	1000.000	100.0	V	337.0	-16.5
2487.500000	---	52.51	54.00	1.49	1000.000	100.0	V	348.0	-16.3
2489.250000	68.75	---	74.00	5.25	1000.000	200.0	V	343.0	-16.3
2719.500000	57.02	---	74.00	16.98	1000.000	200.0	V	223.0	-16.1
2719.500000	---	46.74	54.00	7.26	1000.000	200.0	V	223.0	-16.1

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

802.11n (HT40) CH3



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



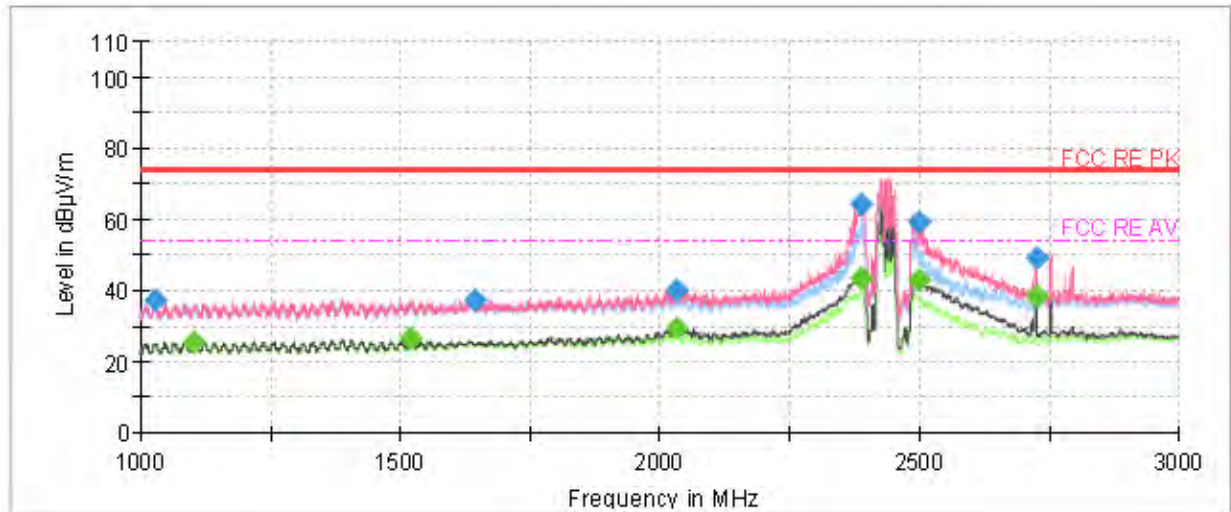
Radiates Emission from 3GHz to 18GHz



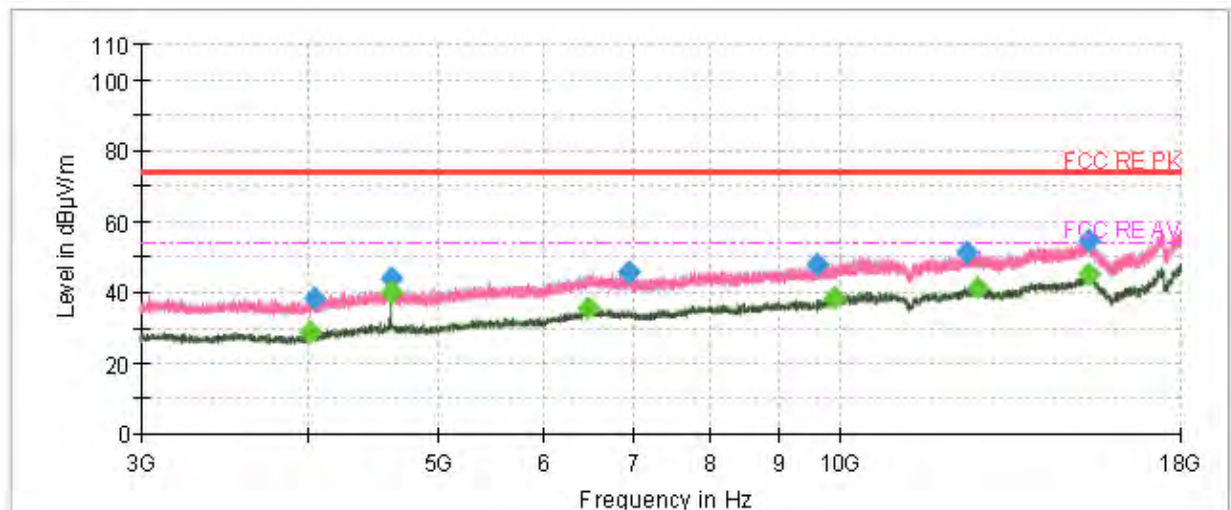
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1049.250000	37.76	---	74.00	36.24	1000.000	100.0	H	63.0	-21.0
1085.500000	---	25.45	54.00	28.55	1000.000	200.0	H	250.0	-20.7
1518.000000	37.34	---	74.00	36.66	1000.000	200.0	H	178.0	-19.1
1522.500000	---	25.87	54.00	28.13	1000.000	100.0	H	47.0	-19.0
2034.000000	---	29.11	54.00	24.89	1000.000	200.0	V	331.0	-18.1
2052.250000	39.29	---	74.00	34.71	1000.000	100.0	V	343.0	-17.9
2386.500000	67.22	---	74.00	6.78	1000.000	200.0	V	9.0	-16.5
2389.750000	---	50.79	54.00	3.21	1000.000	100.0	V	359.0	-16.5
2499.500000	---	41.60	54.00	12.40	1000.000	100.0	V	337.0	-16.3
2504.000000	52.16	---	74.00	21.84	1000.000	200.0	V	0.0	-16.3
2767.250000	46.21	---	74.00	27.79	1000.000	100.0	V	170.0	-16.1
2767.250000	---	34.55	54.00	19.45	1000.000	100.0	V	170.0	-16.1

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

802.11n (HT40) CH6



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



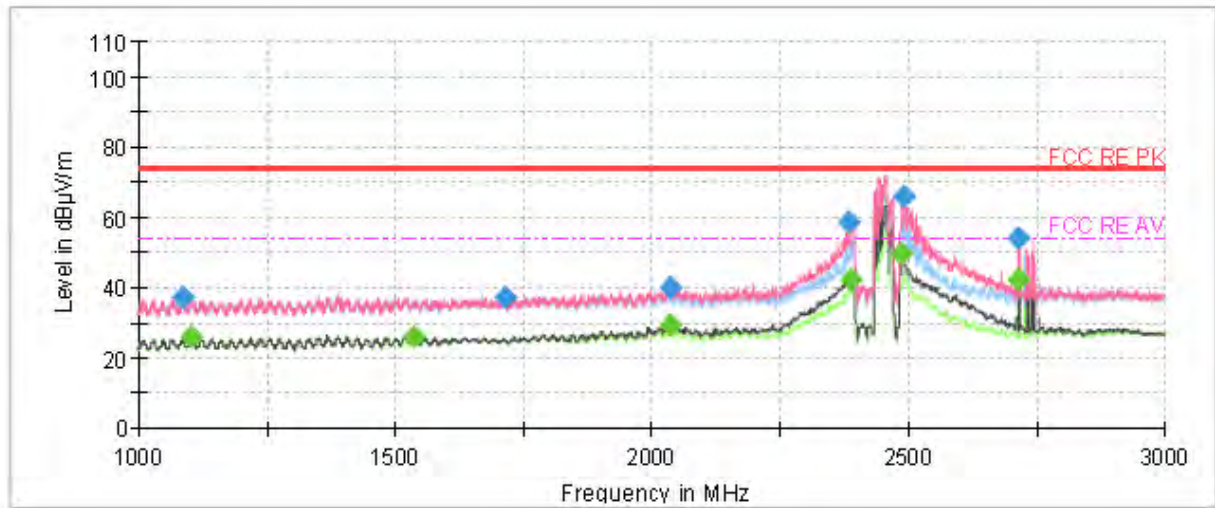
Radiates Emission from 3GHz to 18GHz



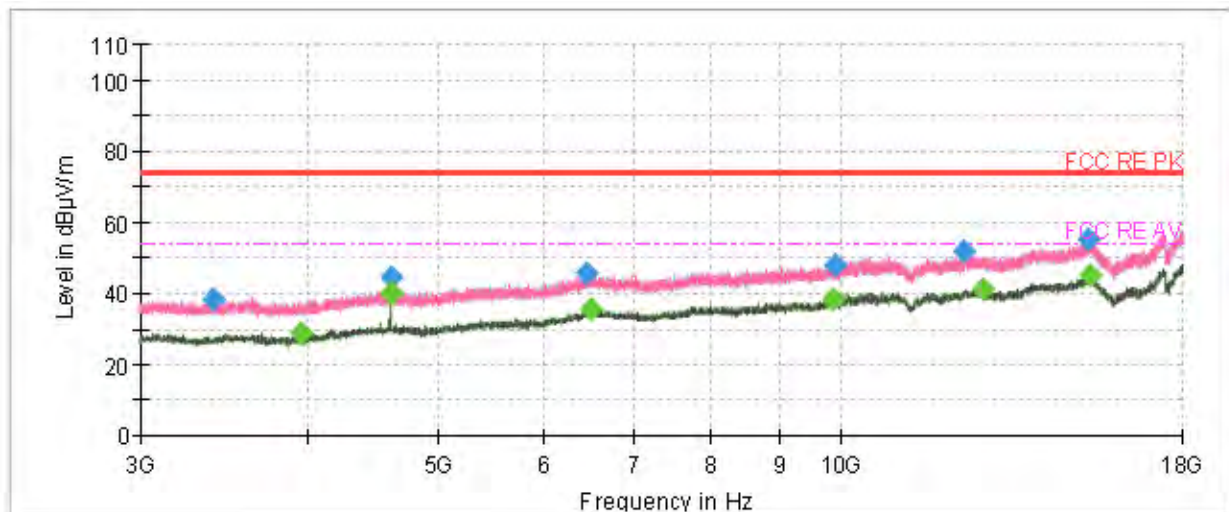
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1028.250000	36.95	---	74.00	37.05	1000.000	200.0	V	244.0	-21.0
1103.750000	---	25.34	54.00	28.66	1000.000	100.0	V	358.0	-20.6
1519.250000	---	26.33	54.00	27.67	1000.000	200.0	V	236.0	-19.1
1644.250000	37.47	---	74.00	36.53	1000.000	100.0	V	309.0	-18.7
2031.750000	40.25	---	74.00	33.75	1000.000	200.0	V	346.0	-18.1
2034.250000	---	29.19	54.00	24.81	1000.000	200.0	V	330.0	-18.1
2387.500000	---	43.56	54.00	10.44	1000.000	200.0	V	0.0	-16.5
2388.500000	64.20	---	74.00	9.80	1000.000	100.0	V	326.0	-16.5
2499.750000	---	43.11	54.00	10.89	1000.000	200.0	V	202.0	-16.3
2501.750000	59.45	---	74.00	14.55	1000.000	200.0	V	2.0	-16.3
2727.250000	---	38.27	54.00	15.73	1000.000	200.0	V	320.0	-16.1
2727.750000	49.03	---	74.00	24.97	1000.000	200.0	V	320.0	-16.1

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

802.11n (HT40) CH9



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



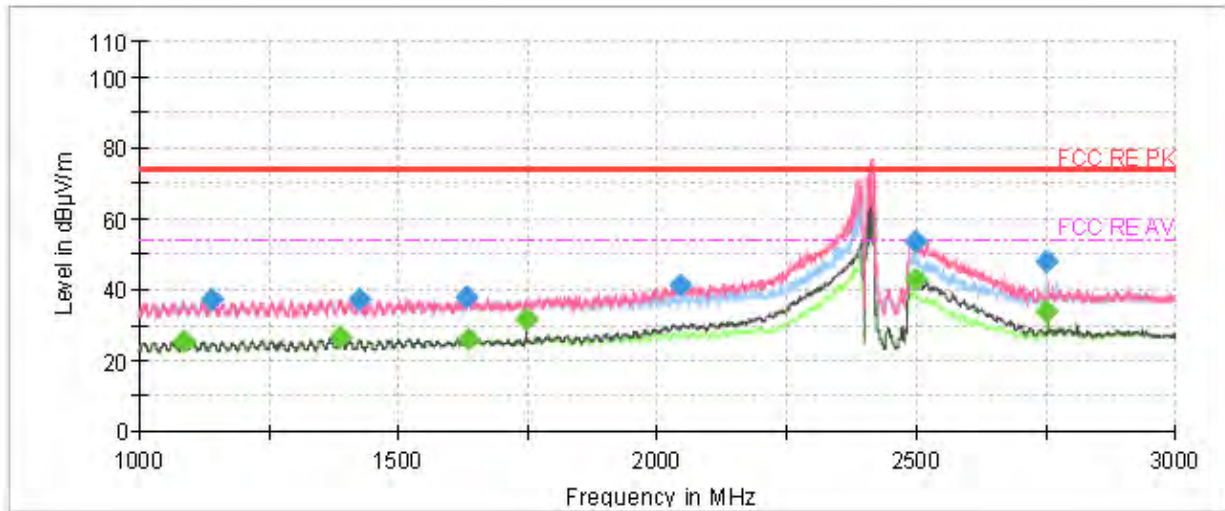
Radiates Emission from 3GHz to 18GHz



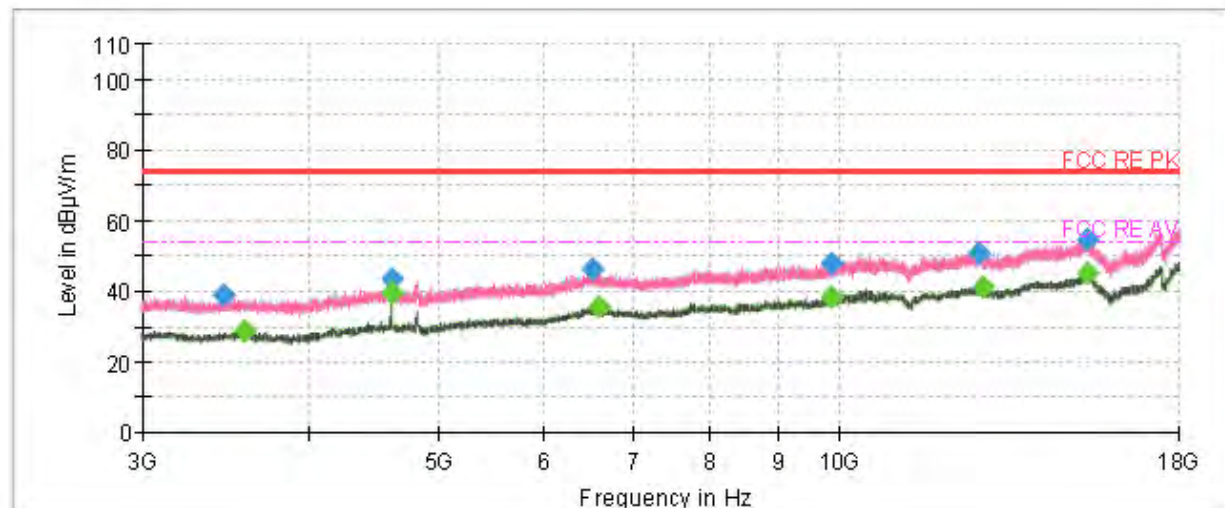
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1087.000000	37.07	---	74.00	36.93	1000.000	200.0	H	77.0	-20.7
1104.750000	---	25.68	54.00	28.32	1000.000	200.0	H	92.0	-20.6
1537.250000	---	26.18	54.00	27.82	1000.000	100.0	H	355.0	-19.0
1716.000000	37.46	---	74.00	36.54	1000.000	200.0	H	285.0	-18.6
2035.750000	---	29.13	54.00	24.87	1000.000	200.0	V	342.0	-18.1
2036.750000	39.90	---	74.00	34.10	1000.000	100.0	V	317.0	-18.0
2384.000000	58.58	---	74.00	15.42	1000.000	200.0	V	359.0	-16.5
2389.000000	---	42.30	54.00	11.70	1000.000	100.0	V	300.0	-16.5
2488.500000	---	49.57	54.00	4.43	1000.000	200.0	V	347.0	-16.3
2493.750000	65.90	---	74.00	8.10	1000.000	200.0	V	355.0	-16.3
2715.750000	54.04	---	74.00	19.96	1000.000	200.0	V	336.0	-16.1
2716.250000	---	42.14	54.00	11.86	1000.000	200.0	V	336.0	-16.1

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

802.11ax (HE20) CH1



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



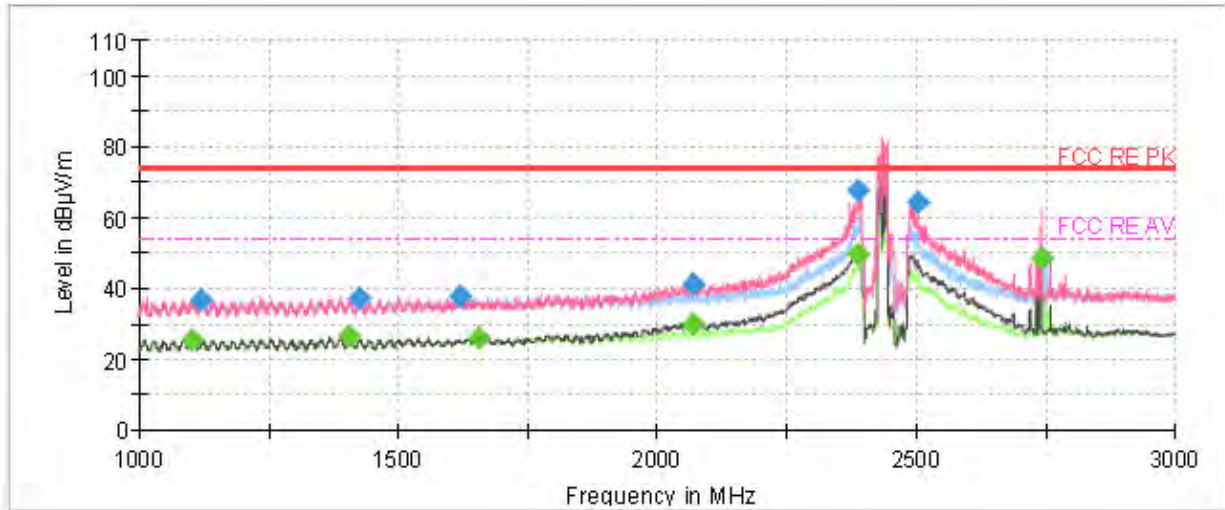
Radiates Emission from 3GHz to 18GHz



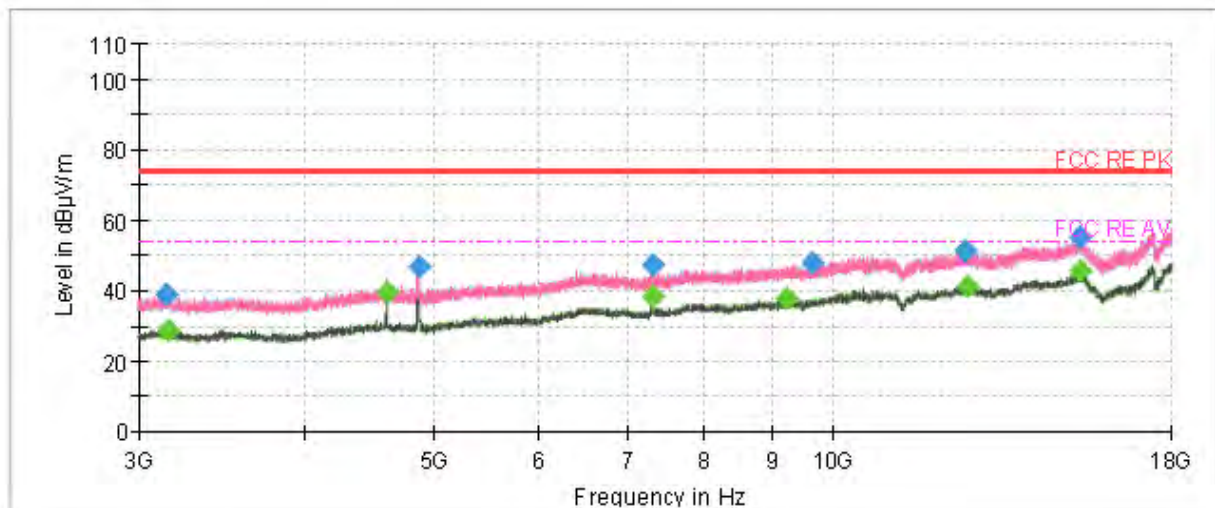
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1087.000000	---	25.63	54.00	28.37	1000.000	100.0	H	218.0	-20.7
1142.500000	37.03	---	74.00	36.97	1000.000	100.0	H	0.0	-20.5
1388.500000	---	26.41	54.00	27.59	1000.000	100.0	V	64.0	-19.6
1424.750000	37.47	---	74.00	36.53	1000.000	100.0	H	193.0	-19.3
1631.500000	37.94	---	74.00	36.06	1000.000	100.0	V	6.0	-18.8
1636.500000	---	26.10	54.00	27.90	1000.000	100.0	V	276.0	-18.7
1746.750000	---	31.44	54.00	22.56	1000.000	100.0	H	268.0	-18.6
2044.500000	41.23	---	74.00	32.77	1000.000	200.0	V	312.0	-18.0
2498.750000	53.36	---	74.00	20.64	1000.000	200.0	V	359.0	-16.3
2500.000000	---	43.03	54.00	10.97	1000.000	200.0	V	336.0	-16.3
2751.250000	---	34.12	54.00	19.88	1000.000	200.0	H	228.0	-16.1
2751.500000	48.12	---	74.00	25.88	1000.000	200.0	H	228.0	-16.1

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

802.11ax (HE20) CH6



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



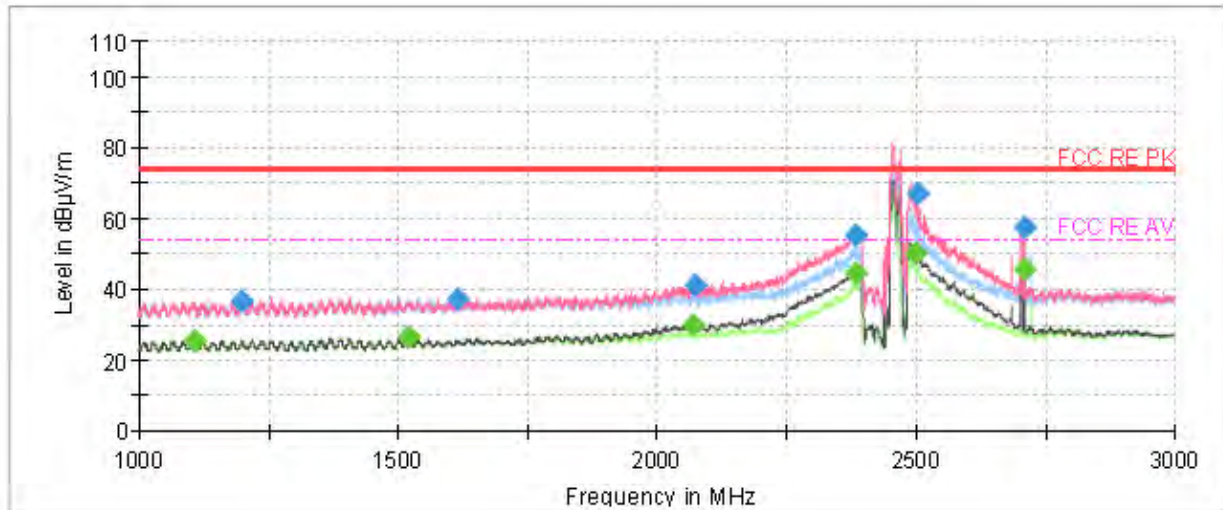
Radiates Emission from 3GHz to 18GHz



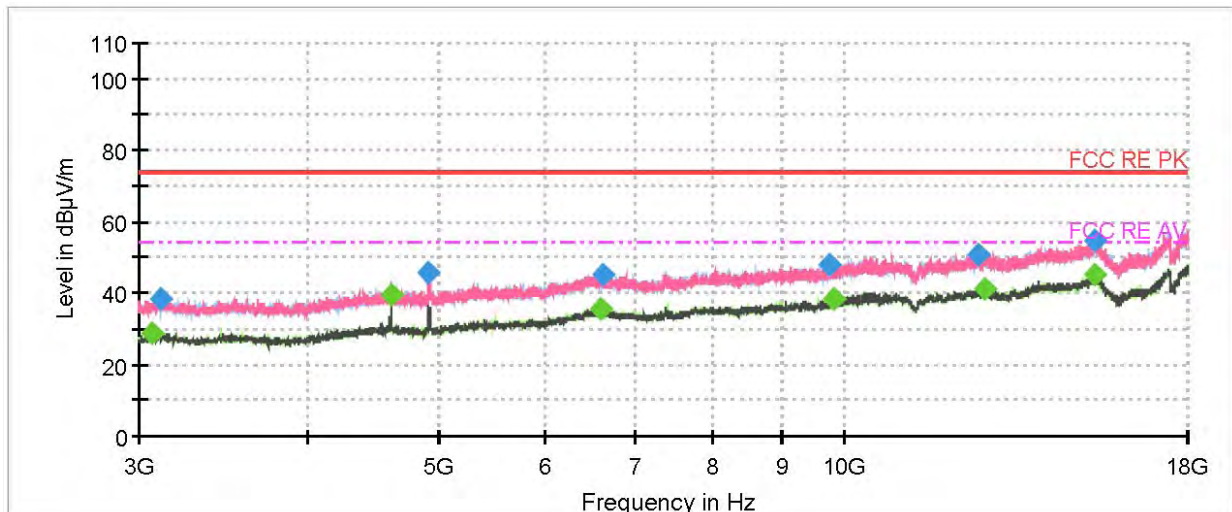
Frequency (MHz)	Peak (dBUV/m)	Average (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1104.750000	---	25.56	54.00	28.44	1000.000	100.0	H	348.0	-20.6
1121.750000	36.81	---	74.00	37.19	1000.000	100.0	H	356.0	-20.6
1406.250000	---	26.54	54.00	27.46	1000.000	200.0	H	62.0	-19.4
1426.000000	37.19	---	74.00	36.81	1000.000	100.0	V	18.0	-19.3
1620.250000	37.57	---	74.00	36.43	1000.000	100.0	H	0.0	-18.8
1655.250000	---	26.22	54.00	27.78	1000.000	200.0	H	310.0	-18.8
2069.250000	41.45	---	74.00	32.55	1000.000	200.0	V	356.0	-17.9
2070.250000	---	30.06	54.00	23.94	1000.000	200.0	V	354.0	-17.9
2387.250000	67.68	---	74.00	6.32	1000.000	200.0	V	0.0	-16.5
2389.250000	---	49.59	54.00	4.41	1000.000	200.0	V	356.0	-16.5
2502.500000	64.28	---	74.00	9.72	1000.000	200.0	V	50.0	-16.3
2742.500000	---	48.75	54.00	5.25	1000.000	100.0	V	272.0	-16.1

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

802.11ax (HE20) CH11



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



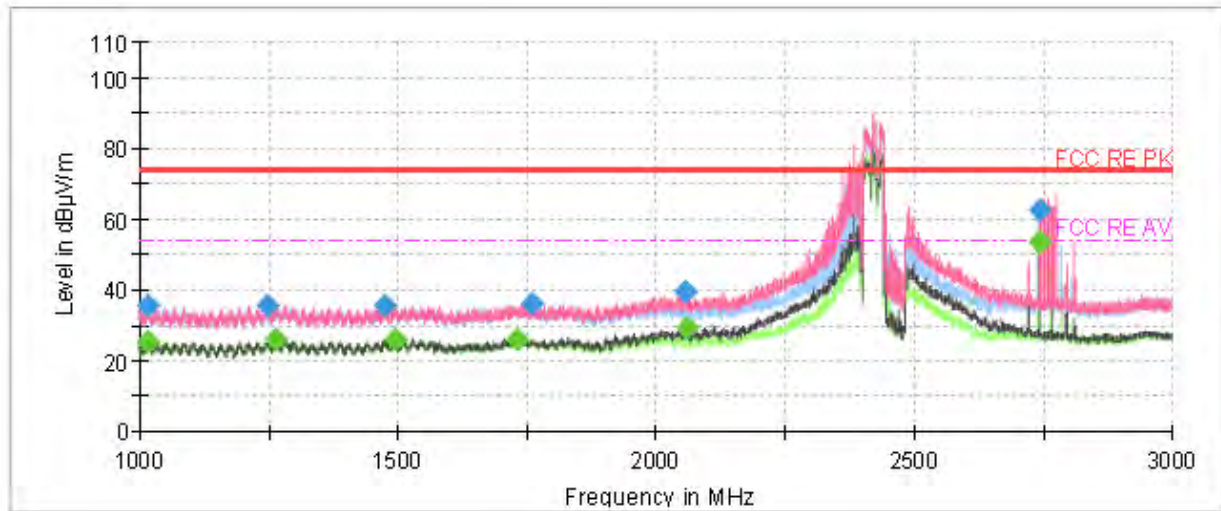
Radiates Emission from 3GHz to 18GHz



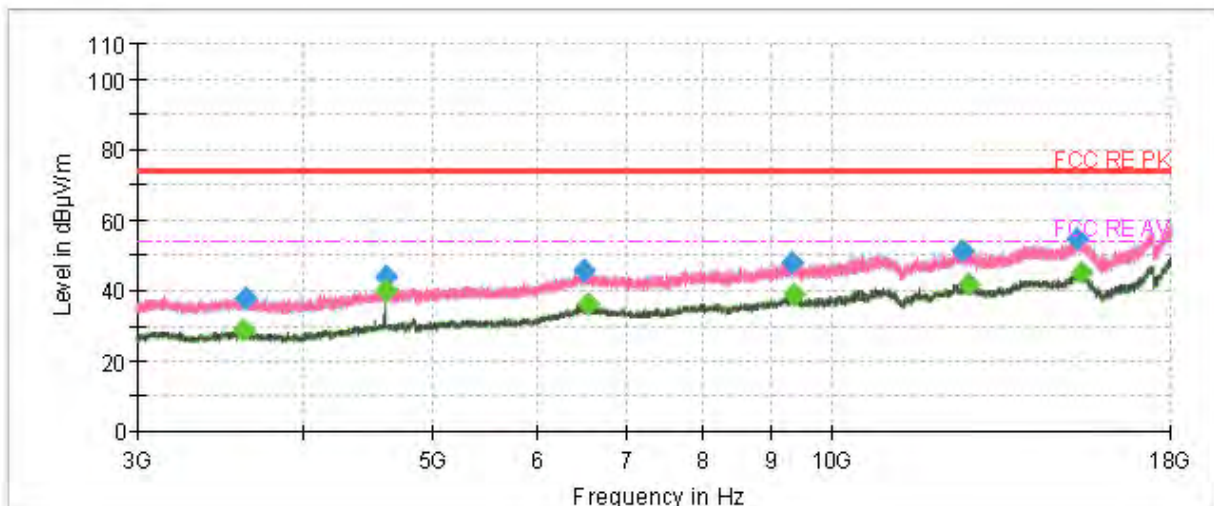
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1106.250000	---	25.66	54.00	28.34	1000.000	200.0	V	356.0	-20.6
1199.750000	36.76	---	74.00	37.24	1000.000	200.0	V	276.0	-20.3
1521.000000	---	26.40	54.00	27.60	1000.000	200.0	H	44.0	-19.0
1615.250000	37.44	---	74.00	36.56	1000.000	200.0	H	293.0	-18.9
2068.250000	---	30.05	54.00	23.95	1000.000	200.0	V	66.0	-17.9
2072.750000	40.93	---	74.00	33.07	1000.000	200.0	V	0.0	-18.0
2382.250000	55.27	---	74.00	18.73	1000.000	200.0	V	0.0	-16.5
2384.500000	---	44.83	54.00	9.17	1000.000	200.0	V	353.0	-16.5
2499.000000	---	50.20	54.00	3.80	1000.000	200.0	V	328.0	-16.3
2503.750000	67.27	---	74.00	6.73	1000.000	200.0	V	319.0	-16.3
2710.750000	---	45.78	54.00	8.22	1000.000	100.0	V	302.0	-16.1
2711.000000	57.31	---	74.00	16.69	1000.000	100.0	V	302.0	-16.1

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

802.11ax (HE40) CH3



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



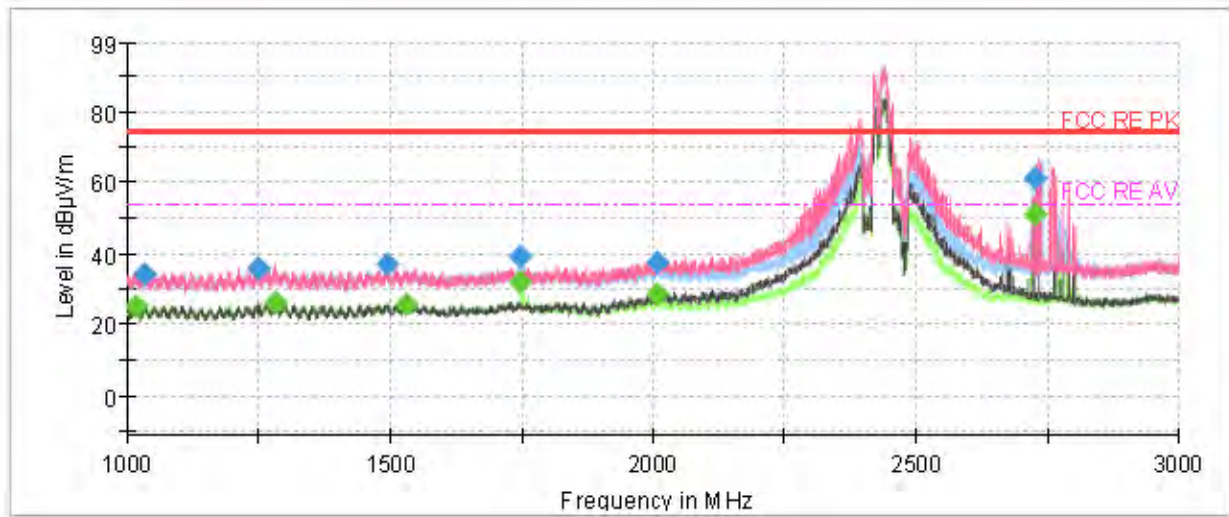
Radiates Emission from 3GHz to 18GHz



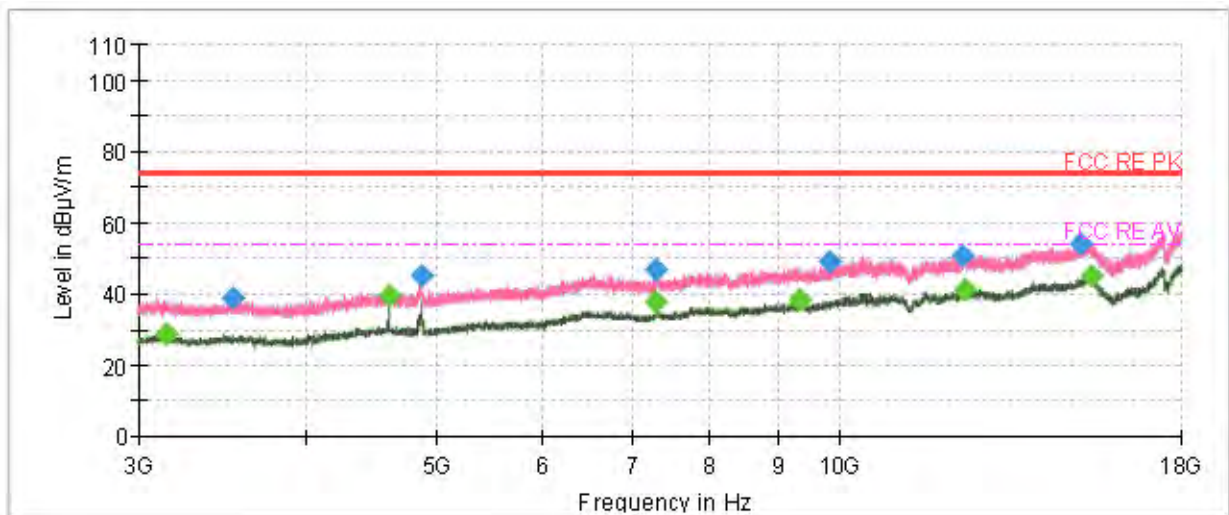
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1016.733333	35.53	---	74.00	38.47	500.0	100.0	V	202.0	-21.0
1017.533333	---	25.55	54.00	28.45	500.0	100.0	V	120.0	-21.0
1246.933333	35.54	---	74.00	38.46	500.0	100.0	H	357.0	-20.0
1264.400000	---	26.02	54.00	27.98	500.0	200.0	V	354.0	-20.0
1473.400000	35.74	---	74.00	38.26	500.0	100.0	V	230.0	-19.3
1497.400000	---	26.06	54.00	27.94	500.0	200.0	V	240.0	-19.2
1729.800000	---	26.14	54.00	27.86	500.0	100.0	V	24.0	-18.6
1761.066667	36.15	---	74.00	37.85	500.0	200.0	H	8.0	-18.6
2059.666667	39.43	---	74.00	34.57	500.0	200.0	V	357.0	-17.9
2060.933333	---	29.12	54.00	24.88	500.0	200.0	V	280.0	-17.9
2742.933333	---	53.53	54.00	0.47	500.0	100.0	V	358.0	-16.1
2744.533333	62.79	---	74.00	11.21	500.0	200.0	V	132.0	-16.1

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

802.11ax (HE40) CH6



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



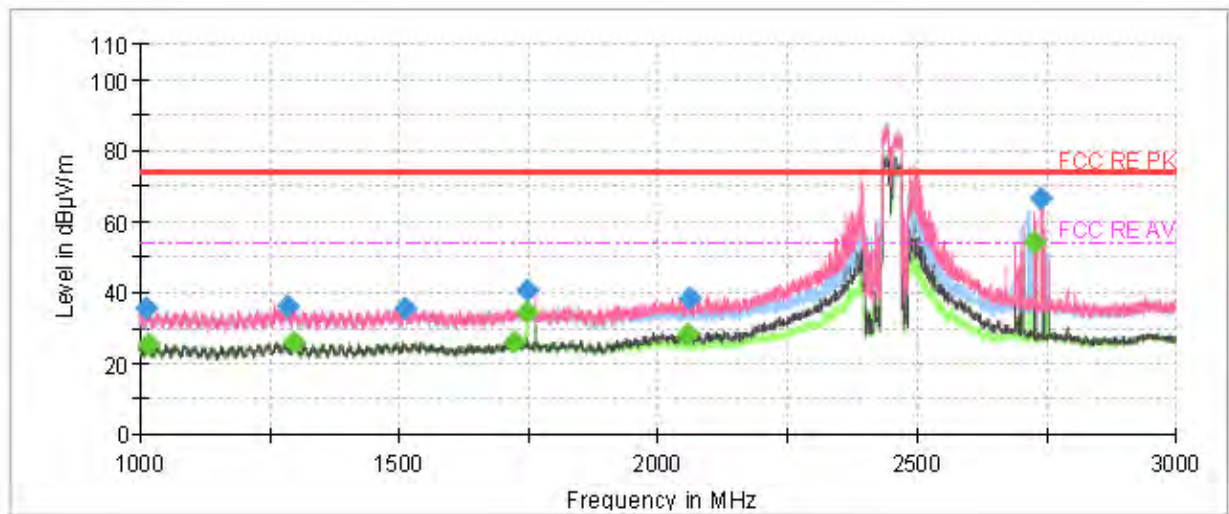
Radiates Emission from 3GHz to 18GHz



Frequency (MHz)	Peak (dBUV/m)	Average (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1014.866667	---	25.07	54.00	28.93	500.0	200.0	V	341.0	-21.0
1034.133333	34.14	---	74.00	39.86	500.0	100.0	H	0.0	-21.0
1249.533333	35.90	---	74.00	38.10	500.0	100.0	H	326.0	-20.0
1281.333333	---	26.33	54.00	27.67	500.0	200.0	V	160.0	-19.9
1492.800000	36.88	---	74.00	37.12	500.0	100.0	V	7.0	-19.2
1529.333333	---	25.92	54.00	28.08	500.0	100.0	V	0.0	-19.0
1747.266667	39.04	---	74.00	34.96	500.0	100.0	H	346.0	-18.6
1747.333333	---	31.85	54.00	22.15	500.0	100.0	H	346.0	-18.6
2007.600000	---	28.32	54.00	25.68	500.0	200.0	V	278.0	-18.2
2008.000000	37.61	---	74.00	36.39	500.0	200.0	V	238.0	-18.2
2726.066667	61.29	---	74.00	12.71	500.0	200.0	H	1.0	-16.1
2726.133333	---	51.07	54.00	2.93	500.0	200.0	H	1.0	-16.1

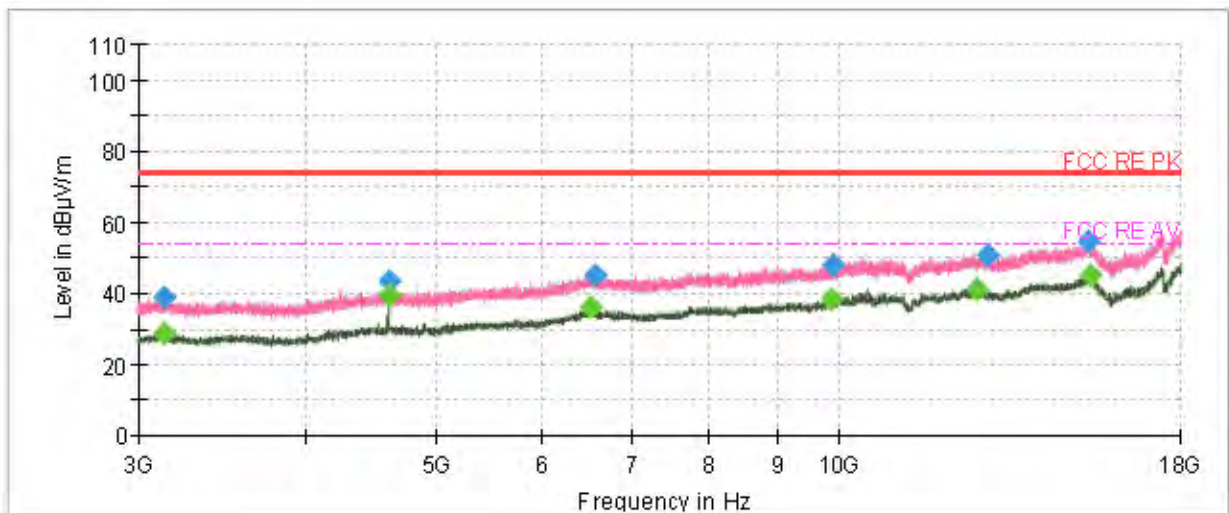
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11ax (HE40) CH9



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



Radiates Emission from 3GHz to 18GHz



Frequency (MHz)	Peak (dBUV/m)	Average (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1014.400000	35.55	---	74.00	38.45	500.0	200.0	H	13.0	-21.0
1018.400000	---	25.56	54.00	28.44	500.0	200.0	H	301.0	-21.0
1285.933333	36.13	---	74.00	37.87	500.0	200.0	H	13.0	-19.8
1298.933333	---	25.86	54.00	28.14	500.0	200.0	H	285.0	-19.8
1511.533333	35.79	---	74.00	38.21	500.0	100.0	V	20.0	-19.1
1724.266667	---	26.14	54.00	27.86	500.0	200.0	V	340.0	-18.6
1746.666667	---	34.49	54.00	19.51	500.0	100.0	H	235.0	-18.6
1748.266667	40.41	---	74.00	33.59	500.0	100.0	H	1.0	-18.6
2056.133333	---	27.95	54.00	26.05	500.0	200.0	V	0.0	-17.9
2061.466667	38.32	---	74.00	35.68	500.0	200.0	V	349.0	-17.9
2726.400000	---	53.99	54.00	0.01	500.0	100.0	V	7.0	-16.1
2741.133333	66.82	---	74.00	7.18	500.0	200.0	V	357.0	-16.1

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

5.7. Conducted Emission

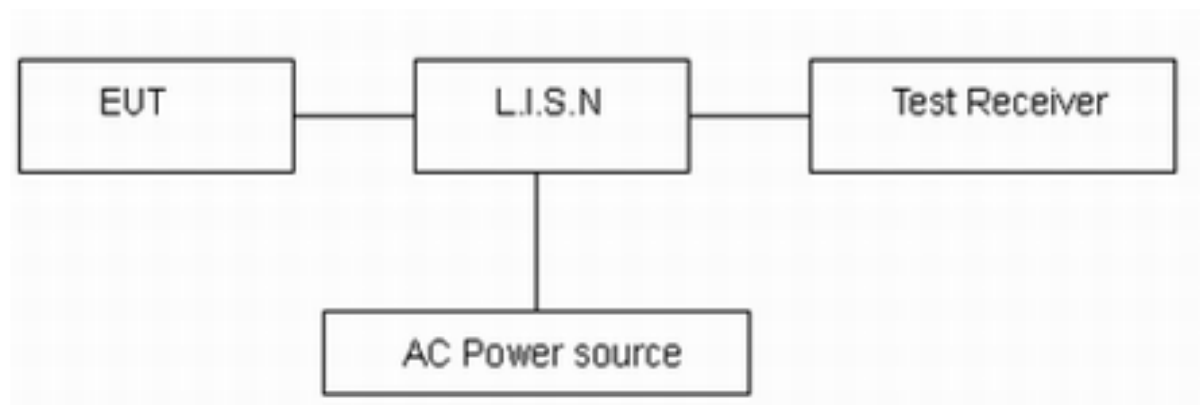
Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

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 L.I.S.N. Use EMI receiver to detect the average and Quasi-peak value. RBW is set to 9 kHz, 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 110V/60Hz.

Limits

Frequency (MHz)	Conducted Limits(dBμV)	
	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.		

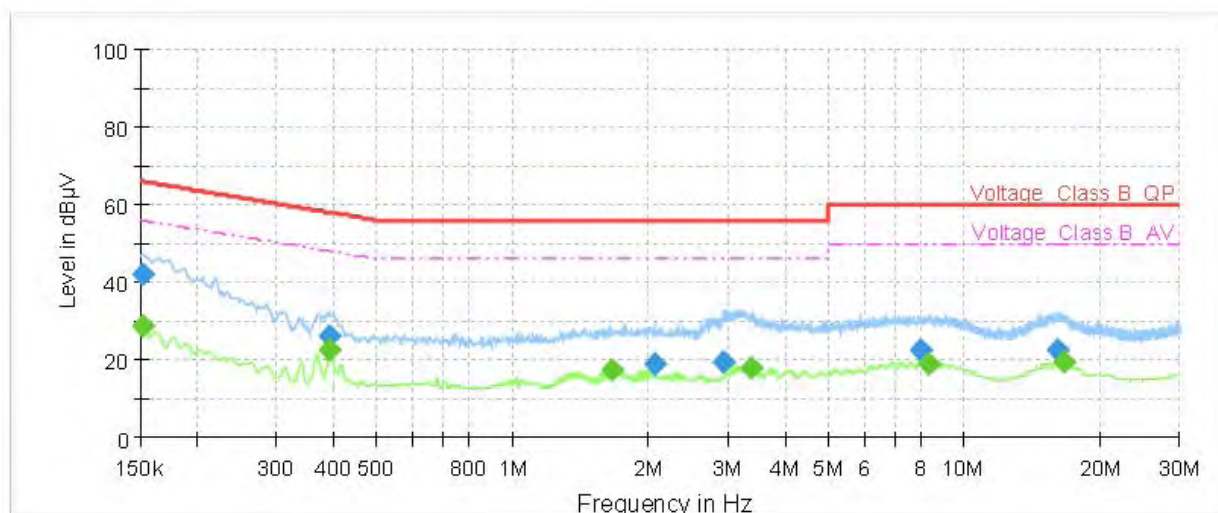
Measurement Uncertainty

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 (WIFI 2.4G) with all channels, 802.11g CH11 for INPAQ, 802.11ax (HE40) CH9 for Galtronics are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

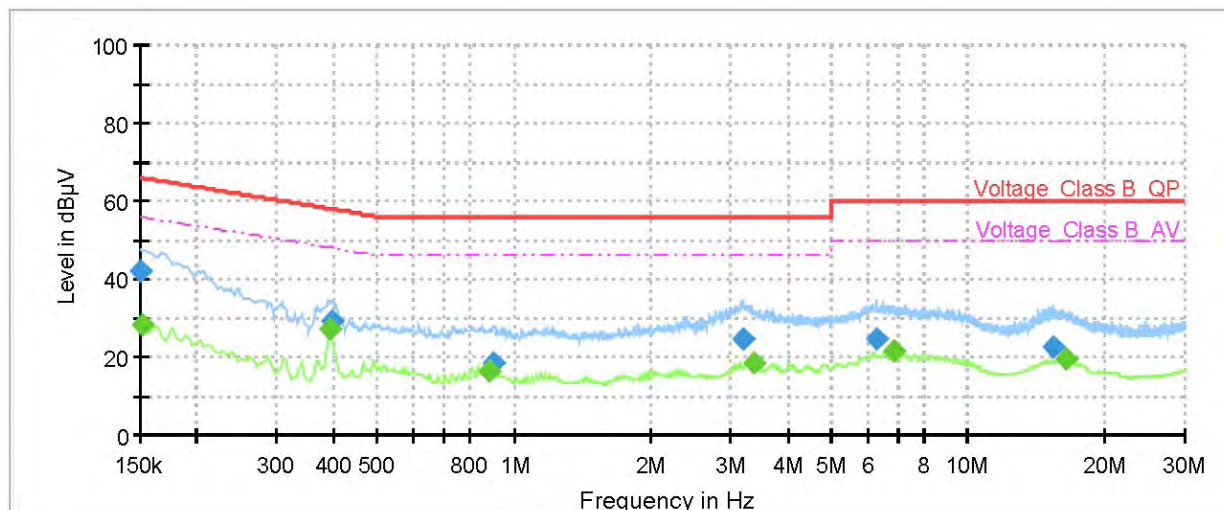
INPAQ:



Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.15	42.10	---	65.88	23.78	70.0	9.000	L1	ON	21
0.15	---	28.51	55.88	27.37	70.0	9.000	L1	ON	21
0.39	26.34	---	58.05	31.71	70.0	9.000	L1	ON	20
0.39	---	22.39	48.00	25.61	70.0	9.000	L1	ON	20
1.66	---	17.55	46.00	28.45	70.0	9.000	L1	ON	20
2.07	18.94	---	56.00	37.06	70.0	9.000	L1	ON	20
2.92	19.73	---	56.00	36.27	70.0	9.000	L1	ON	19
3.37	---	18.20	46.00	27.80	70.0	9.000	L1	ON	19
7.97	22.62	---	60.00	37.38	70.0	9.000	L1	ON	20
8.35	---	19.00	50.00	31.00	70.0	9.000	L1	ON	20
16.09	22.74	---	60.00	37.26	70.0	9.000	L1	ON	20
16.58	---	19.60	50.00	30.40	70.0	9.000	L1	ON	20

Remark: Correct factor=cable loss + LISN factor

L line Conducted Emission from 150 KHz to 30 MHz

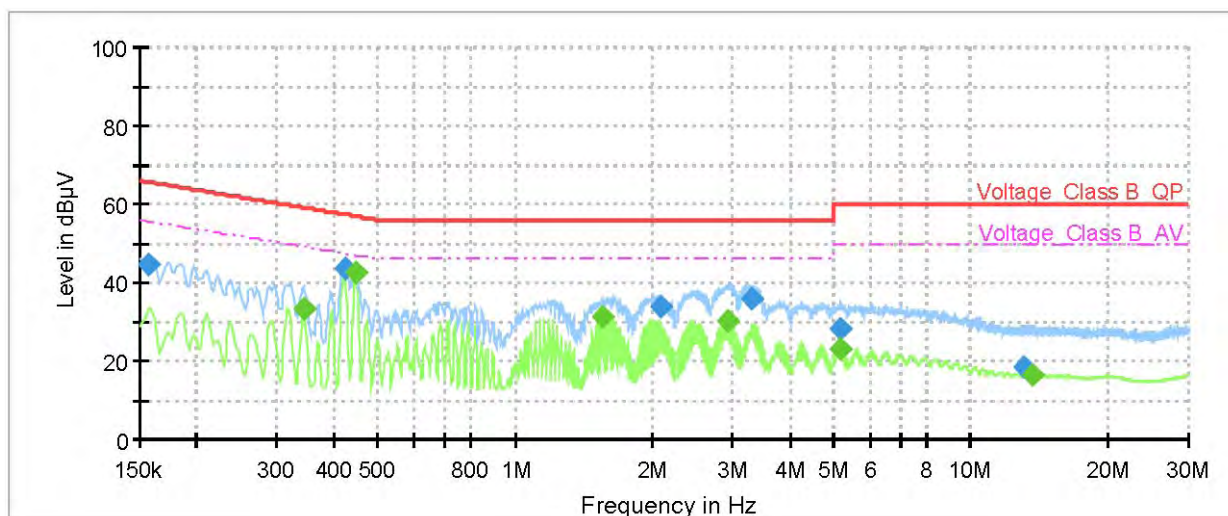


Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.15	42.00	---	66.00	24.00	70.0	9.000	N	ON	21
0.15	---	28.26	55.88	27.62	70.0	9.000	N	ON	21
0.39	---	26.97	48.05	21.08	70.0	9.000	N	ON	21
0.40	29.34	---	57.95	28.61	70.0	9.000	N	ON	20
0.88	---	16.46	46.00	29.54	70.0	9.000	N	ON	20
0.90	18.21	---	56.00	37.79	70.0	9.000	N	ON	20
3.18	24.58	---	56.00	31.42	70.0	9.000	N	ON	19
3.36	---	18.55	46.00	27.45	70.0	9.000	N	ON	19
6.31	24.62	---	60.00	35.38	70.0	9.000	N	ON	20
6.90	---	21.30	50.00	28.70	70.0	9.000	N	ON	20
15.45	22.34	---	60.00	37.66	70.0	9.000	N	ON	20
16.47	---	19.49	50.00	30.51	70.0	9.000	N	ON	20

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 KHz to 30 MHz

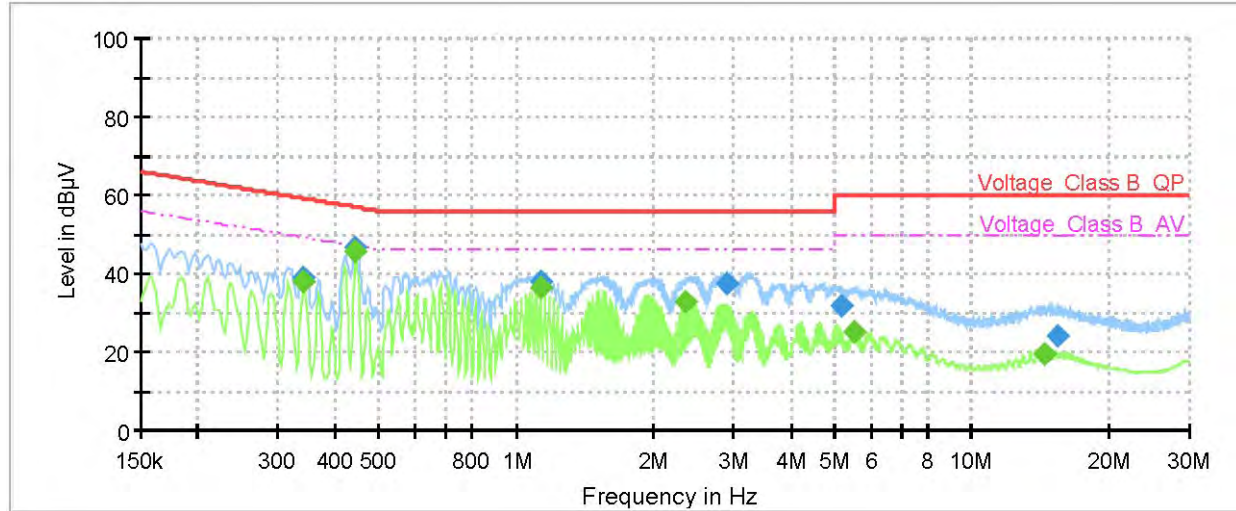
Galtronics:



Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.16	44.38	---	65.63	21.25	70.0	9.000	L1	ON	21
0.34	---	33.15	49.12	15.97	70.0	9.000	L1	ON	21
0.42	43.76	---	57.40	13.64	70.0	9.000	L1	ON	20
0.45	---	42.50	46.93	4.43	70.0	9.000	L1	ON	20
1.55	---	31.16	46.00	14.84	70.0	9.000	L1	ON	20
2.08	33.99	---	56.00	22.01	70.0	9.000	L1	ON	20
2.92	---	30.20	46.00	15.80	70.0	9.000	L1	ON	19
3.31	35.86	---	56.00	20.14	70.0	9.000	L1	ON	19
5.16	---	23.03	50.00	26.97	70.0	9.000	L1	ON	19
5.19	28.35	---	60.00	31.65	70.0	9.000	L1	ON	19
13.12	18.70	---	60.00	41.30	70.0	9.000	L1	ON	20
13.63	---	16.53	50.00	33.47	70.0	9.000	L1	ON	20

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)
0.34	---	38.06	49.17	11.11	70.0	9.000	N	ON	21
0.34	39.20	---	59.17	19.97	70.0	9.000	N	ON	21
0.44	46.67	---	57.02	10.35	70.0	9.000	N	ON	20
0.44	---	45.74	46.97	1.23	70.0	9.000	N	ON	20
1.13	37.97	---	56.00	18.03	70.0	9.000	N	ON	20
1.13	---	36.58	46.00	9.42	70.0	9.000	N	ON	20
2.36	---	33.00	46.00	13.00	70.0	9.000	N	ON	20
2.89	37.49	---	56.00	18.51	70.0	9.000	N	ON	19
5.15	32.02	---	60.00	27.98	70.0	9.000	N	ON	19
5.49	---	25.29	50.00	24.71	70.0	9.000	N	ON	19
14.38	---	19.68	50.00	30.32	70.0	9.000	N	ON	20
15.33	24.23	---	60.00	35.77	70.0	9.000	N	ON	20

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
Spectrum Analyzer	R&S	FSV30	100815	2020-12-13	2021-12-12
EMI Test Receiver	R&S	ESCI	100948	2020-05-18	2021-05-17
Loop Antenna	SCHWARZBECK	FMZB1519	1519-047	2020-04-02	2023-04-01
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9163	391	2019-12-16	2021-12-15
Horn Antenna	R&S	HF907	102723	2018-08-11	2021-08-10
Horn Antenna	ETS-Lindgren	3160-09	00102643	2018-06-20	2021-06-19
EMI Test Receiver	R&S	ESR	101667	2020-05-18	2021-05-17
LISN	R&S	ENV216	101171	2018-12-15	2021-12-14
Spectrum Analyzer	Agilent	N9010A	MY47191109	2020-05-18	2021-05-17
Power Meter	R&S	NRP2	104306	2020-05-18	2021-05-17
Power Sensor	R&S	NRP-Z21	104799	2020-05-18	2021-05-17
20dB Attenuator	Star River Highlight	UCL-TS2S-20	18013001	2020-12-13	2021-12-12
RF Cable	Agilent	SMA 15cm	0001	2020-12-10	2021-06-09
Software	R&S	EMC32	9.26.0	/	/

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



ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.



ANNEX B: Test Setup Photos

The Test Setup Photos are submitted separately.