

ANNEX A: Test Result

The radiated emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in lie-down position (Z axis) and the loop antenna is coplanar, the others are vertical and horizontal. and the worst case was recorded.

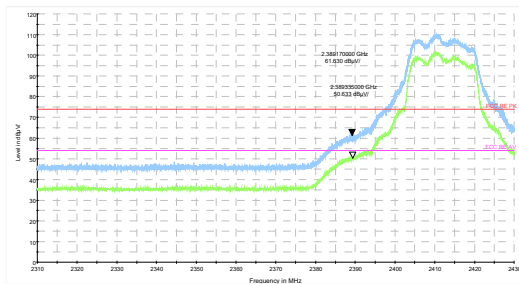
1. Unwanted Emission

1.1. Wi-Fi 2.4GHz

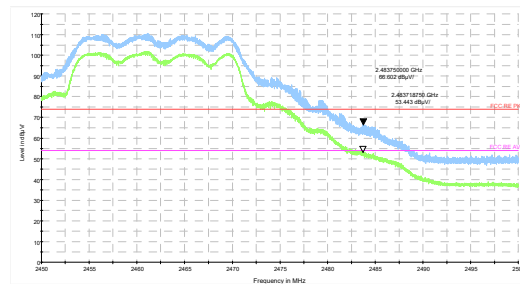
The following graphs display the maximum values of horizontal and vertical by software. Blue trace uses the peak detection, Green trace uses the average detection.

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

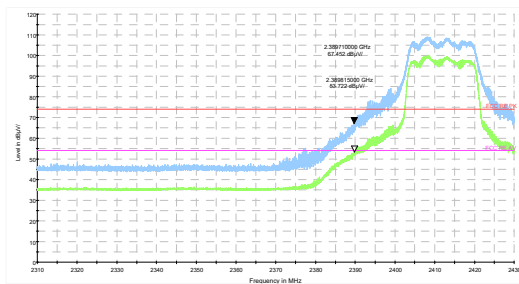
The signal beyond the limit is carrier.



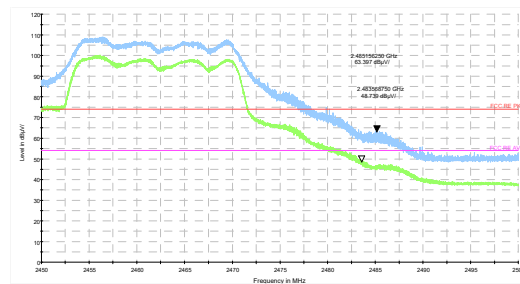
802.11b-Channel 1 Peak+ Average



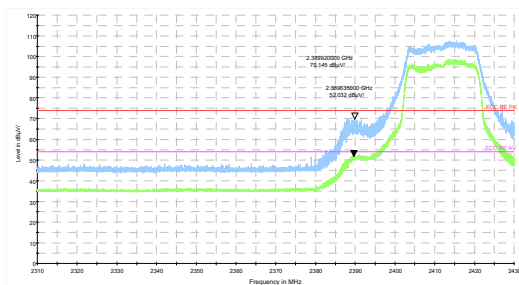
802.11b-Channel 11 Peak+ Average



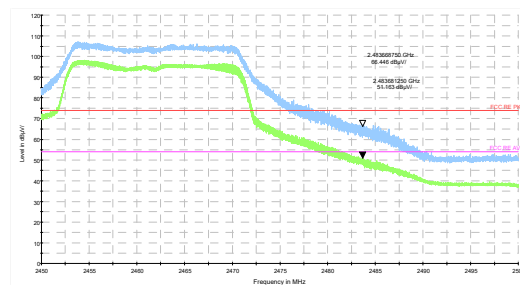
802.11g-Channel 1 Peak+ Average



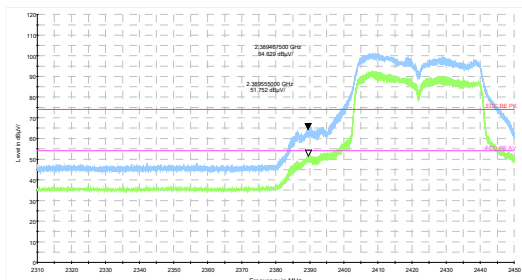
802.11g-Channel 11 Peak+ Average



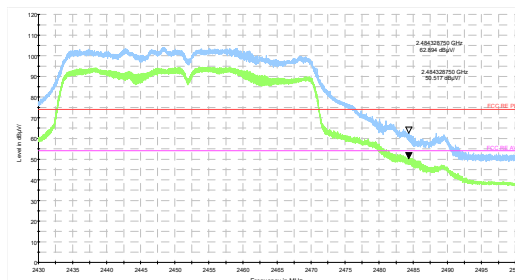
802.11n HT20-Channel 1 Peak+ Average



802.11n HT20-Channel 11 Peak+ Average



802.11n HT40-Channel 3 Peak+ Average



802.11n HT40-Channel 9 Peak+ Average

Result of RE

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

Remark:

1. **Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**
2. **Margin = Limit – Quasi-Peak/ MAX Peak/ Average**
3. **A symbol ($\text{dB}\mu\text{V/m}$) in the test plot below means ($\text{dB}\mu\text{V/m}$)**
A symbol (dB V/m) in the test plot below means ($\text{dB}\mu\text{V/m}$)
4. **The following graphs display the maximum values of coaxial and coplanar for 9k-30MHz; horizontal and vertical for above 30MHz by software.**
5. **For below 1GHz**

 QP Level @Spectrum Overview H
  QP Level @Spectrum Overview V
  QP Level @Final Results
  QP Limit

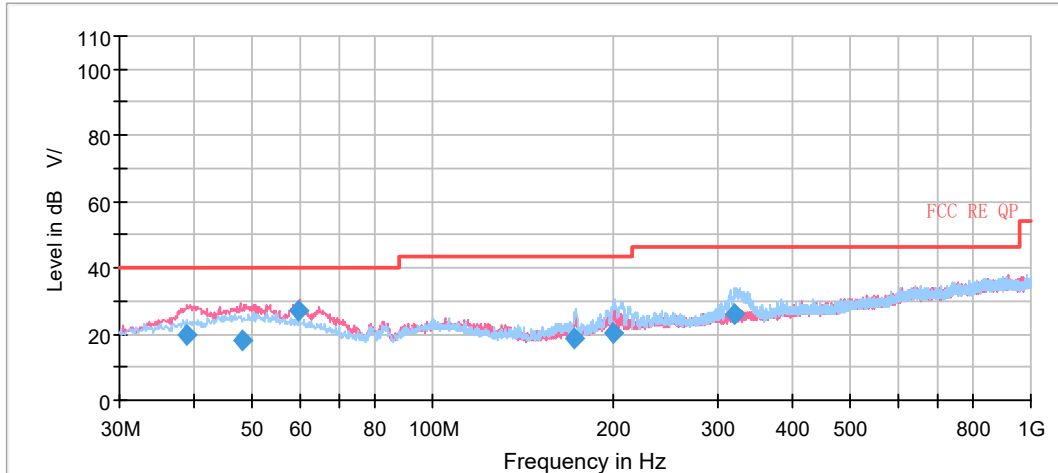
For above 1GHz

 PK Level @Spectrum Overview H
  PK Level @Spectrum Overview V
  PK Level @Final Results
  PK Limit

 AVG Level @Spectrum Overview H
  AVG Level @Spectrum Overview V
  AVG Level @Final Results
  AVG Limit

Continuous TX mode:

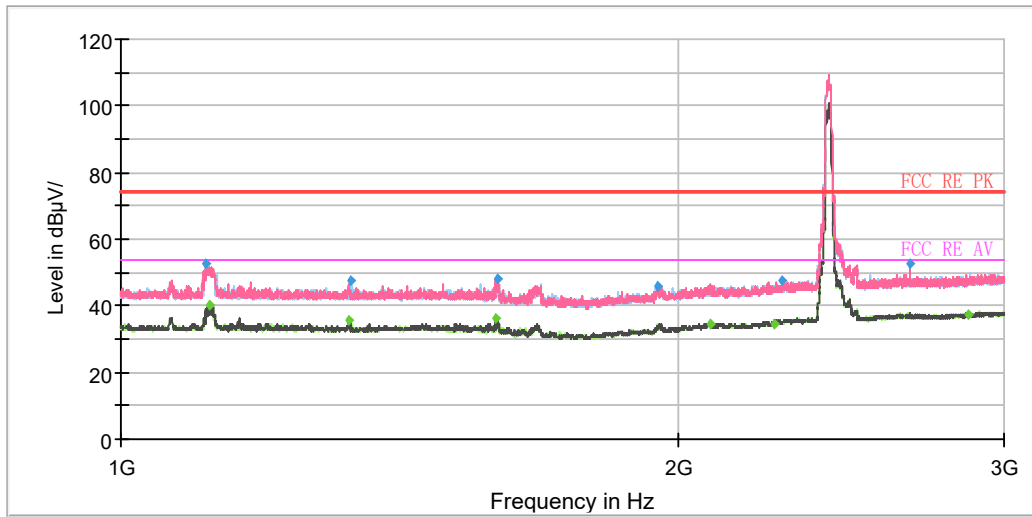
During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels, the test data of the worst-case condition (802.11g CH1) was recorded in this report.



Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
38.932500	19.73	40.00	20.27	115.0	V	309.0	19.6
48.262500	17.84	40.00	22.16	121.0	V	291.0	21.2
59.508750	27.34	40.00	12.66	104.0	V	1.0	19.8
173.191250	18.39	43.50	25.11	120.0	H	34.0	19.4
201.211250	20.14	43.50	23.36	176.0	H	167.0	18.8
320.400000	25.81	46.00	20.19	103.0	H	79.0	21.6

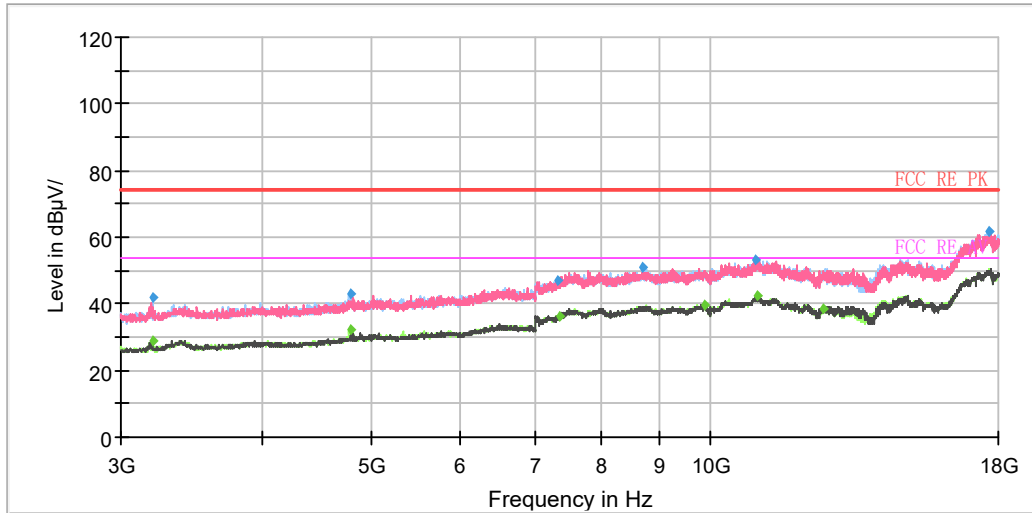
802.11b CH1



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

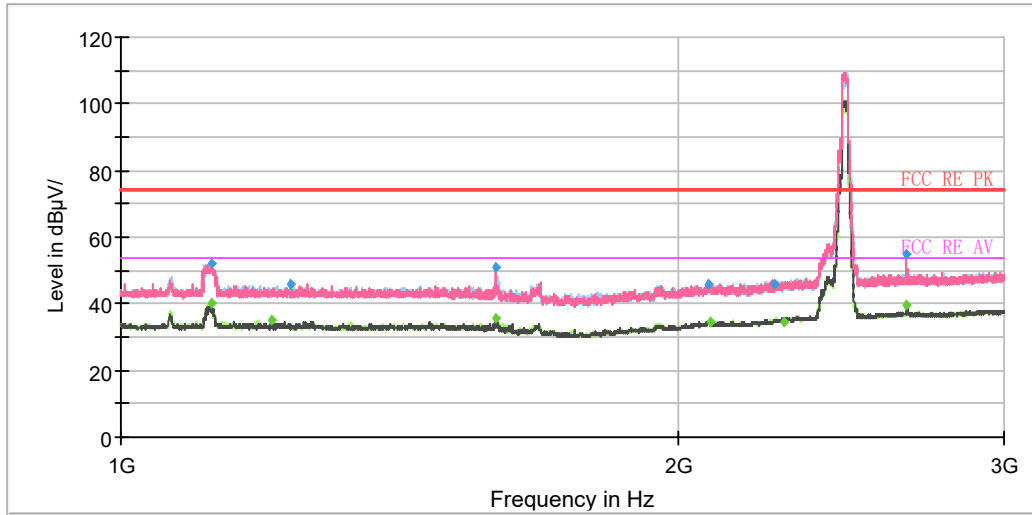
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1112.25	52.84	---	74.00	21.16	500.00	100.0	V	230.00	-6
1117.25	---	40.23	54.00	13.77	500.00	100.0	V	230.00	-6
1327.75	---	35.60	54.00	18.40	500.00	200.0	V	266.00	-5
1332.25	47.33	---	74.00	26.67	500.00	200.0	H	250.00	-5
1593.50	---	36.00	54.00	18.00	500.00	200.0	V	62.00	-5
1599.00	48.22	---	74.00	25.78	500.00	100.0	V	62.00	-6
1948.50	45.89	---	74.00	28.11	500.00	200.0	H	131.00	-5
2080.00	---	34.69	54.00	19.31	500.00	200.0	H	116.00	-4
2254.75	---	34.53	54.00	19.47	500.00	200.0	H	147.00	-3
2273.50	47.33	---	74.00	26.67	500.00	100.0	H	315.00	-3
2665.75	52.78	---	74.00	21.22	500.00	200.0	V	199.00	0
2867.25	---	37.30	54.00	16.70	500.00	100.0	H	341.00	0



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3198.75	---	29.05	54.00	24.95	500.00	100.0	V	67.00	-9
3206.25	42.03	---	74.00	31.97	500.00	100.0	H	208.00	-9
4790.63	---	32.50	54.00	21.50	500.00	100.0	H	126.00	-6
4798.13	43.05	---	74.00	30.95	500.00	100.0	H	126.00	-6
7325.63	46.73	---	74.00	27.27	500.00	100.0	H	0.00	1
7335.00	---	36.47	54.00	17.53	500.00	100.0	H	292.00	1
8701.88	50.74	---	74.00	23.26	500.00	100.0	H	2.00	3
9890.63	---	39.57	54.00	14.43	500.00	100.0	H	9.00	3
10961.25	53.47	---	74.00	20.53	500.00	100.0	V	0.00	6
11002.50	---	42.23	54.00	11.77	500.00	100.0	H	2.00	7
12570.00	---	38.74	54.00	15.26	500.00	100.0	H	0.00	7
17675.63	61.62	---	74.00	12.38	500.00	100.0	H	182.00	17

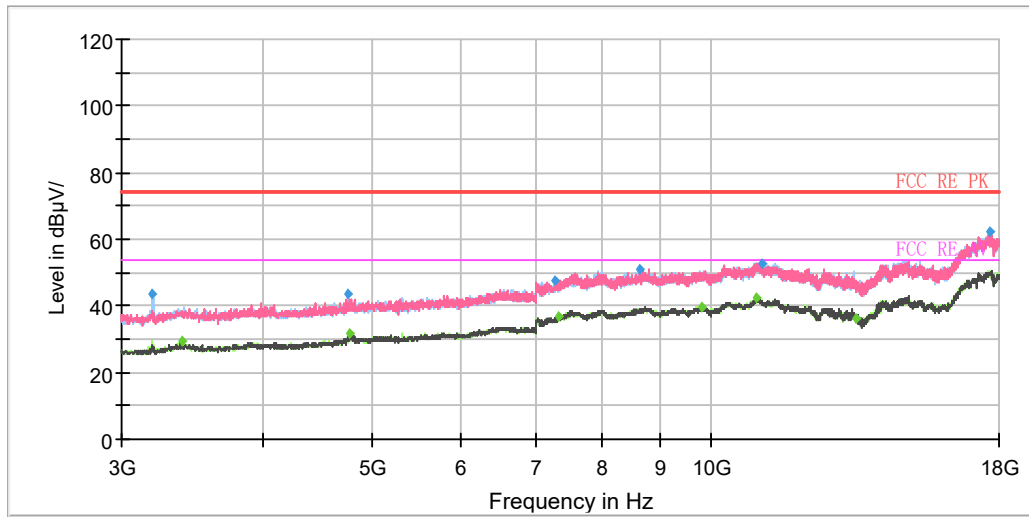
802.11b CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1117.75	51.97	---	74.00	22.03	500.00	100.0	H	232.00	-6
1119.50	---	40.40	54.00	13.60	500.00	200.0	V	231.00	-6
1204.75	---	34.87	54.00	19.13	500.00	200.0	V	247.00	-6
1234.25	45.83	---	74.00	28.17	500.00	200.0	H	197.00	-5
1594.75	50.91	---	74.00	23.09	500.00	100.0	V	283.00	-5
1595.50	---	35.77	54.00	18.23	500.00	100.0	V	249.00	-5
2077.50	45.63	---	74.00	28.37	500.00	200.0	H	36.00	-4
2080.00	---	34.59	54.00	19.41	500.00	200.0	V	280.00	-4
2255.25	45.60	---	74.00	28.40	500.00	100.0	H	183.00	-3
2282.50	---	34.68	54.00	19.32	500.00	200.0	H	0.00	-3
2658.00	54.65	---	74.00	19.35	500.00	100.0	V	165.00	0
2658.25	---	39.38	54.00	14.62	500.00	100.0	V	165.00	0

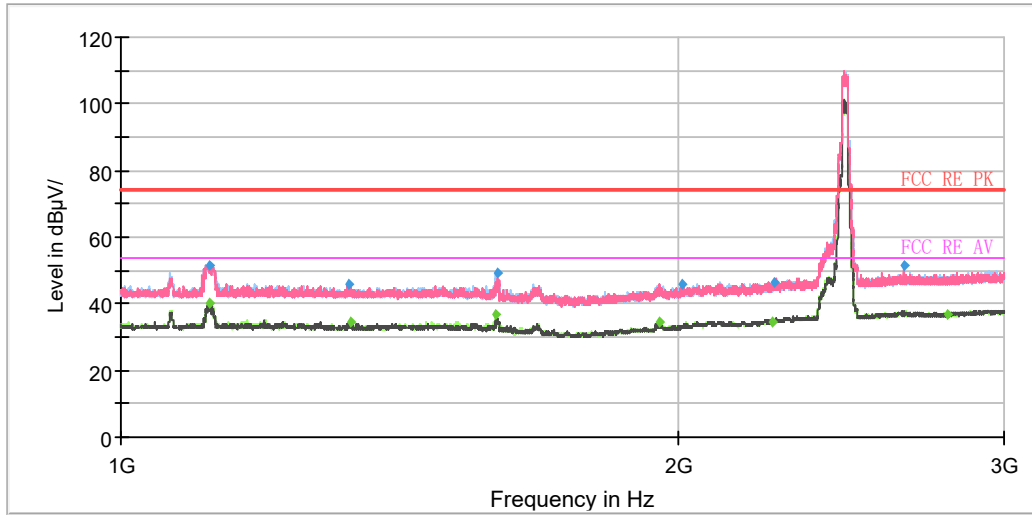


R

adiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3189.38	43.43	---	74.00	30.57	500.00	100.0	H	112.00	-9
3388.13	---	29.33	54.00	24.67	500.00	100.0	H	263.00	-7
4762.50	43.62	---	74.00	30.38	500.00	100.0	H	148.00	-6
4775.63	---	31.49	54.00	22.51	500.00	100.0	H	148.00	-6
7265.63	47.27	---	74.00	26.73	500.00	100.0	H	178.00	1
7333.13	---	36.84	54.00	17.16	500.00	100.0	H	0.00	1
8640.00	51.09	---	74.00	22.91	500.00	100.0	V	358.00	3
9806.25	---	39.76	54.00	14.24	500.00	100.0	H	343.00	3
10974.38	---	42.37	54.00	11.63	500.00	100.0	H	20.00	6
11070.00	52.90	---	74.00	21.10	500.00	100.0	H	20.00	7
13413.75	---	36.36	54.00	17.64	500.00	100.0	H	55.00	8
17677.50	62.21	---	74.00	11.79	500.00	100.0	V	236.00	17

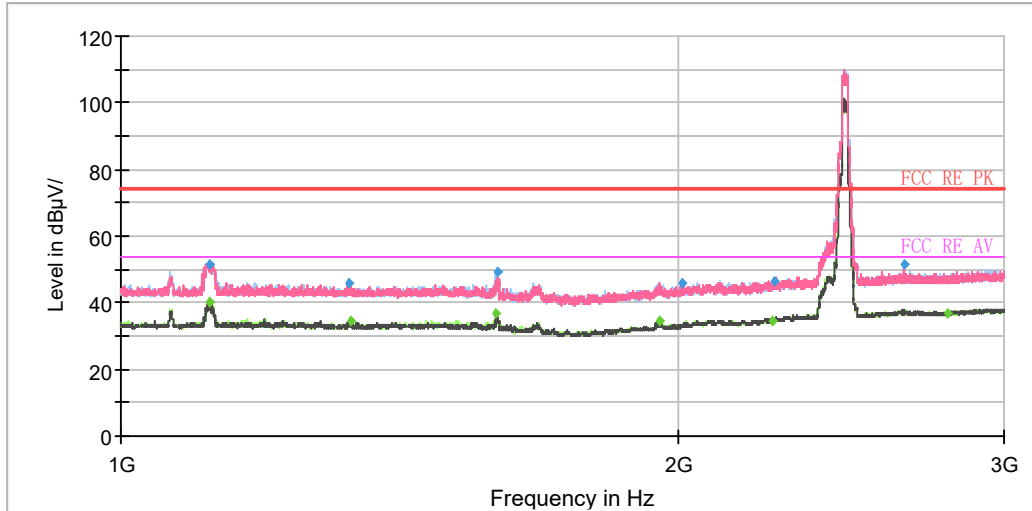
802.11b CH11



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

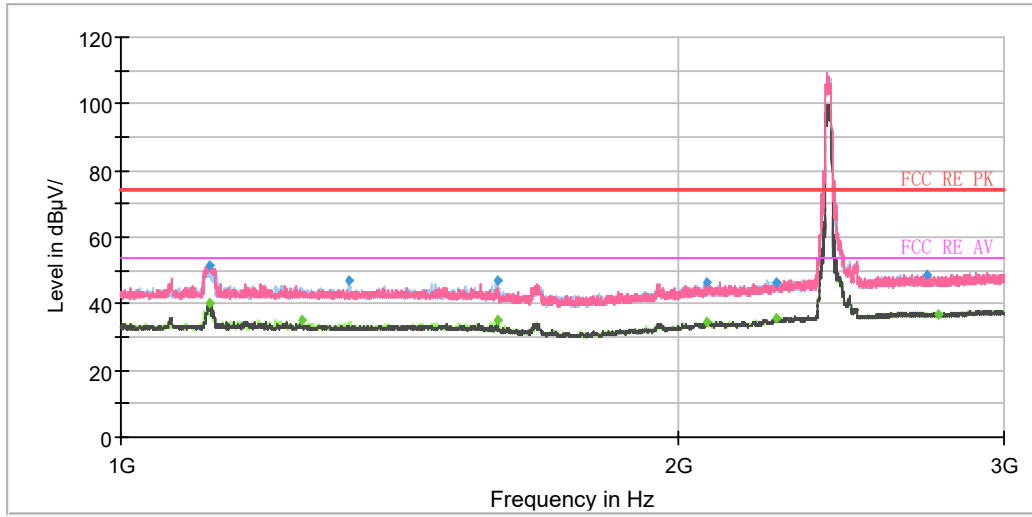
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1116.00	51.75	---	74.00	22.25	500.00	200.0	V	228.00	-6
1116.00	---	39.97	54.00	14.03	500.00	200.0	V	228.00	-6
1327.50	45.96	---	74.00	28.04	500.00	200.0	V	245.00	-5
1331.50	---	34.66	54.00	19.34	500.00	200.0	V	245.00	-5
1594.50	---	36.66	54.00	17.34	500.00	200.0	H	282.00	-5
1599.00	49.17	---	74.00	24.83	500.00	100.0	H	66.00	-6
1952.50	---	34.76	54.00	19.24	500.00	100.0	V	124.00	-5
2010.50	45.85	---	74.00	28.15	500.00	100.0	V	5.00	-4
2249.00	---	34.68	54.00	19.32	500.00	100.0	H	301.00	-3
2255.00	46.20	---	74.00	27.80	500.00	200.0	V	327.00	-3
2646.75	51.70	---	74.00	22.30	500.00	100.0	V	157.00	0
2799.00	---	36.92	54.00	17.08	500.00	100.0	V	242.00	0



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3191.25	41.96	---	74.00	32.04	500.00	100.0	H	123.00	-9
3990.00	---	31.87	54.00	22.13	500.00	100.0	H	232.00	-7
4801.88	42.66	---	74.00	31.34	500.00	100.0	V	0.00	-6
5330.63	---	31.75	54.00	22.25	500.00	100.0	V	103.00	-6
7314.38	47.71	---	74.00	26.29	500.00	100.0	H	0.00	1
7336.88	---	36.47	54.00	17.53	500.00	100.0	H	6.00	1
8731.88	50.88	---	74.00	23.12	500.00	100.0	H	123.00	3
9862.50	---	39.92	54.00	14.08	500.00	100.0	V	0.00	3
10955.63	53.55	---	74.00	20.45	500.00	100.0	H	0.00	6
11025.00	---	42.28	54.00	11.72	500.00	100.0	H	177.00	7
12161.25	---	39.66	54.00	14.34	500.00	100.0	V	183.00	7
17718.75	61.57	---	74.00	12.43	500.00	100.0	H	94.00	18

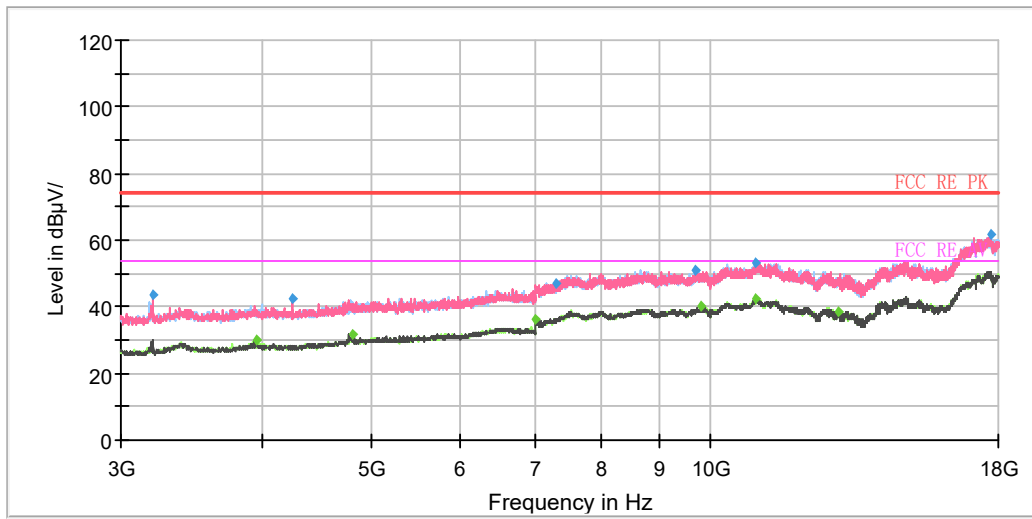
802.11g CH1



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

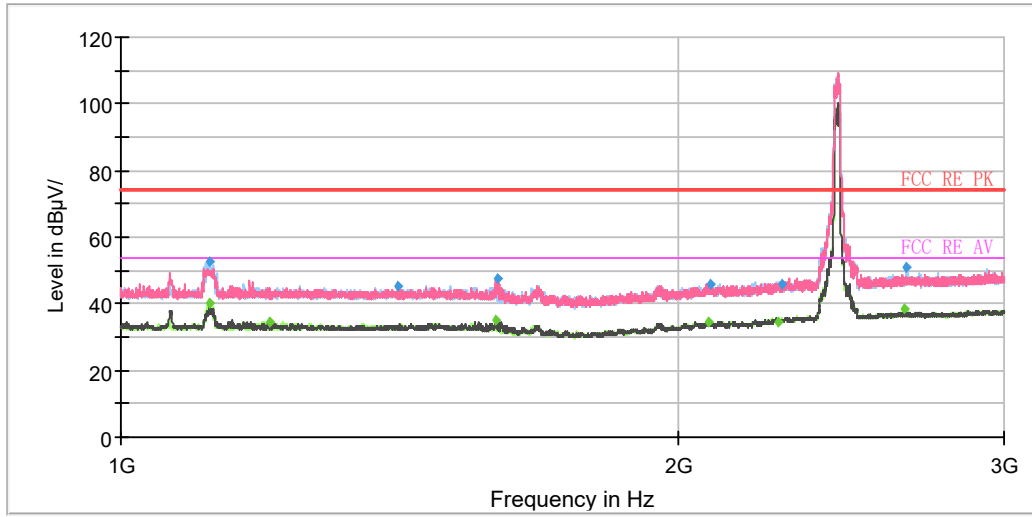
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1116.00	51.65	---	74.00	22.35	500.00	100.0	V	230.00	-6
1117.00	---	40.38	54.00	13.62	500.00	100.0	V	230.00	-6
1252.00	---	35.27	54.00	18.73	500.00	100.0	H	291.00	-5
1327.50	47.21	---	74.00	26.79	500.00	100.0	H	260.00	-5
1596.75	---	35.06	54.00	18.94	500.00	100.0	H	291.00	-6
1596.75	46.80	---	74.00	27.20	500.00	100.0	H	291.00	-6
2073.75	46.16	---	74.00	27.84	500.00	100.0	V	2.00	-4
2074.25	---	34.59	54.00	19.41	500.00	100.0	V	39.00	-4
2257.00	---	35.42	54.00	18.58	500.00	100.0	V	333.00	-3
2261.25	46.57	---	74.00	27.43	500.00	100.0	H	346.00	-3
2725.50	48.47	---	74.00	25.53	500.00	100.0	H	0.00	0
2761.25	---	36.64	54.00	17.36	500.00	100.0	H	325.00	0



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3200.63	43.80	---	74.00	30.20	500.00	100.0	V	204.00	-9
3958.13	---	30.06	54.00	23.94	500.00	100.0	V	150.00	-7
4260.00	42.70	---	74.00	31.30	500.00	100.0	V	97.00	-7
4822.50	---	31.94	54.00	22.06	500.00	100.0	V	97.00	-6
7003.13	---	36.40	54.00	17.60	500.00	100.0	V	256.00	0
7278.75	47.18	---	74.00	26.82	500.00	100.0	V	0.00	1
9676.88	51.22	---	74.00	22.78	500.00	100.0	V	150.00	3
9819.38	---	39.98	54.00	14.02	500.00	100.0	V	350.00	3
10961.25	53.37	---	74.00	20.63	500.00	100.0	H	0.00	6
10974.38	---	42.59	54.00	11.41	500.00	100.0	H	293.00	6
12982.50	---	38.58	54.00	15.42	500.00	100.0	H	0.00	7
17692.50	61.42	---	74.00	12.58	500.00	100.0	H	45.00	17

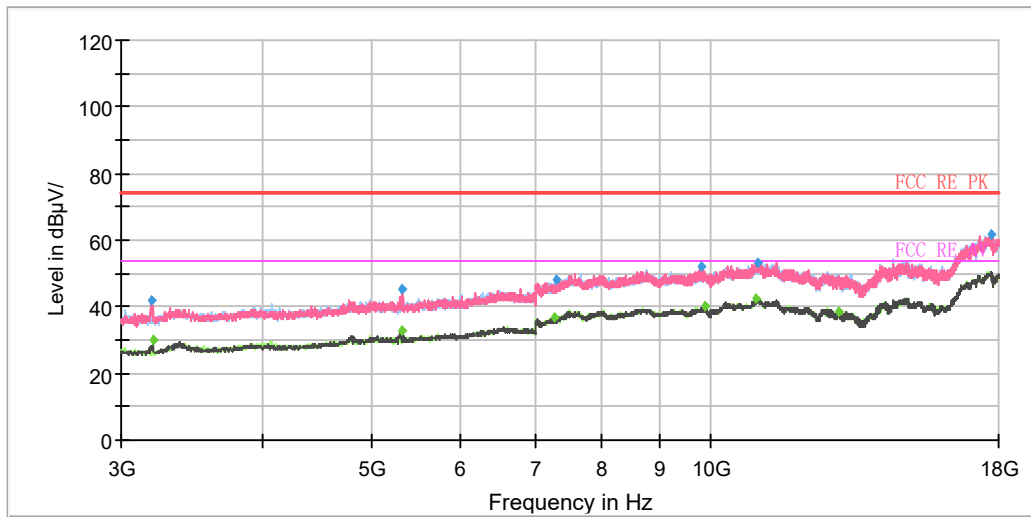
802.11g CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

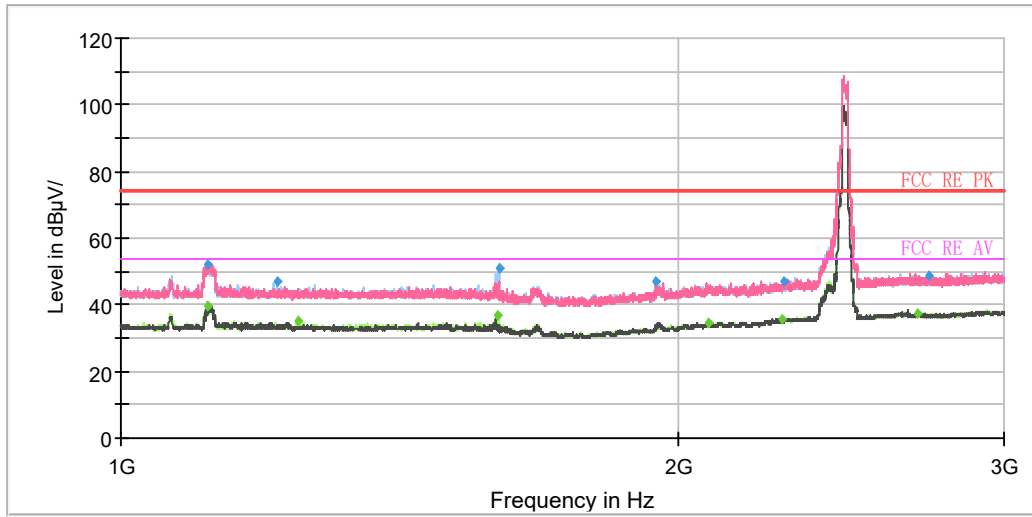
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1115.75	52.88	---	74.00	21.12	500.00	100.0	H	230.00	-6
1116.75	---	40.21	54.00	13.79	500.00	100.0	H	230.00	-6
1203.00	---	34.39	54.00	19.61	500.00	100.0	V	283.00	-6
1410.50	45.06	---	74.00	28.94	500.00	100.0	H	0.00	-5
1593.00	---	35.29	54.00	18.71	500.00	100.0	V	62.00	-5
1599.25	47.36	---	74.00	26.64	500.00	100.0	V	150.00	-6
2075.25	---	34.62	54.00	19.38	500.00	100.0	V	0.00	-4
2079.75	45.98	---	74.00	28.02	500.00	100.0	H	0.00	-4
2264.75	---	34.74	54.00	19.26	500.00	100.0	H	150.00	-3
2275.50	45.95	---	74.00	28.05	500.00	100.0	H	1.00	-3
2652.25	---	38.58	54.00	15.42	500.00	100.0	H	164.00	0
2656.00	50.78	---	74.00	23.22	500.00	100.0	H	164.00	0



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3185.63	41.91	---	74.00	32.09	500.00	100.0	V	328.00	-9
3200.63	---	29.91	54.00	24.09	500.00	100.0	V	118.00	-9
5328.75	---	32.76	54.00	21.24	500.00	100.0	V	118.00	-6
5328.75	45.49	---	74.00	28.51	500.00	100.0	V	118.00	-6
7267.50	---	36.67	54.00	17.33	500.00	100.0	H	3.00	1
7305.00	47.92	---	74.00	26.08	500.00	100.0	H	75.00	1
9823.13	51.84	---	74.00	22.16	500.00	100.0	V	0.00	3
9886.88	---	40.09	54.00	13.91	500.00	100.0	H	3.00	3
10976.25	---	42.22	54.00	11.78	500.00	100.0	V	328.00	6
11021.25	53.46	---	74.00	20.54	500.00	100.0	H	156.00	7
12999.38	---	38.23	54.00	15.77	500.00	100.0	H	10.00	7
17716.88	61.64	---	74.00	12.36	500.00	100.0	H	3.00	18

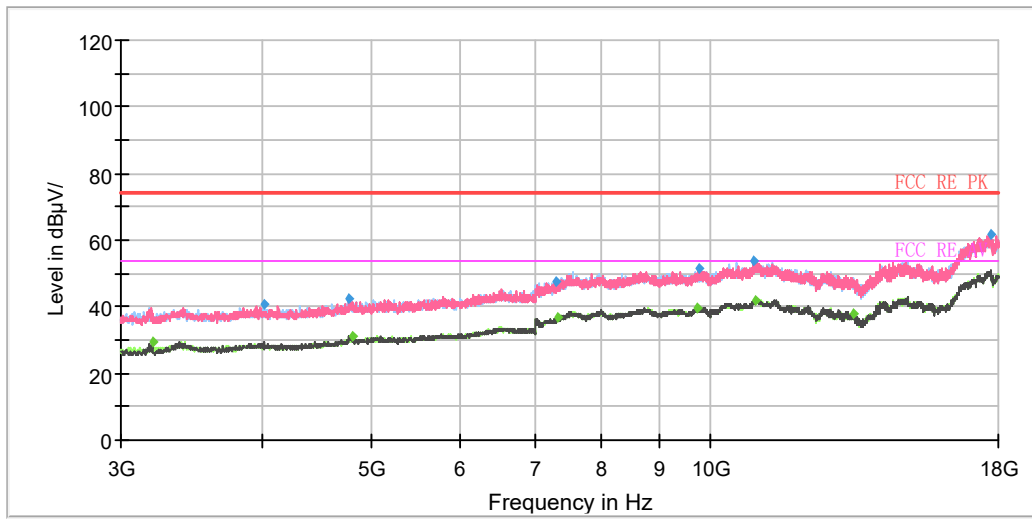
802.11g CH11



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

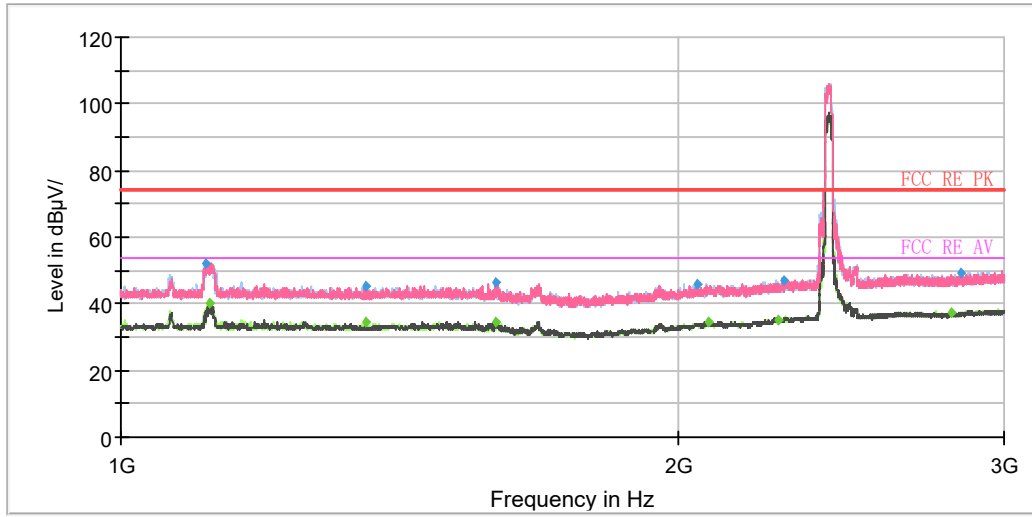
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1114.75	---	39.72	54.00	14.28	500.00	200.0	V	229.00	-6
1114.75	51.94	---	74.00	22.06	500.00	100.0	V	229.00	-6
1215.75	47.18	---	74.00	26.82	500.00	100.0	H	226.00	-5
1246.25	---	35.04	54.00	18.96	500.00	100.0	H	226.00	-5
1598.75	---	36.65	54.00	17.35	500.00	200.0	H	98.00	-6
1599.75	50.80	---	74.00	23.20	500.00	100.0	H	78.00	-6
1945.00	46.83	---	74.00	27.17	500.00	100.0	V	112.00	-5
2079.00	---	34.78	54.00	19.22	500.00	200.0	H	0.00	-4
2274.50	---	35.46	54.00	18.55	500.00	100.0	H	5.00	-3
2283.00	46.97	---	74.00	27.03	500.00	200.0	V	0.00	-3
2693.25	---	37.19	54.00	16.81	500.00	200.0	V	175.00	0
2729.75	48.63	---	74.00	25.37	500.00	200.0	V	59.00	0



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3198.75	---	29.39	54.00	24.61	500.00	100.0	V	93.00	-9
4016.25	40.73	---	74.00	33.27	500.00	100.0	H	177.00	-7
4779.38	42.51	---	74.00	31.49	500.00	100.0	H	0.00	-6
4820.63	---	31.23	54.00	22.77	500.00	100.0	H	177.00	-6
7280.63	47.63	---	74.00	26.37	500.00	100.0	V	147.00	1
7333.13	---	36.52	54.00	17.48	500.00	100.0	H	122.00	1
9742.50	---	39.89	54.00	14.11	500.00	100.0	V	333.00	3
9750.00	51.40	---	74.00	22.60	500.00	100.0	V	175.00	3
10914.38	53.92	---	74.00	20.08	500.00	100.0	V	0.00	6
10974.38	---	42.16	54.00	11.84	500.00	100.0	H	2.00	6
13370.63	---	38.02	54.00	15.98	500.00	100.0	H	0.00	8
17701.88	61.63	---	74.00	12.37	500.00	100.0	H	232.00	17

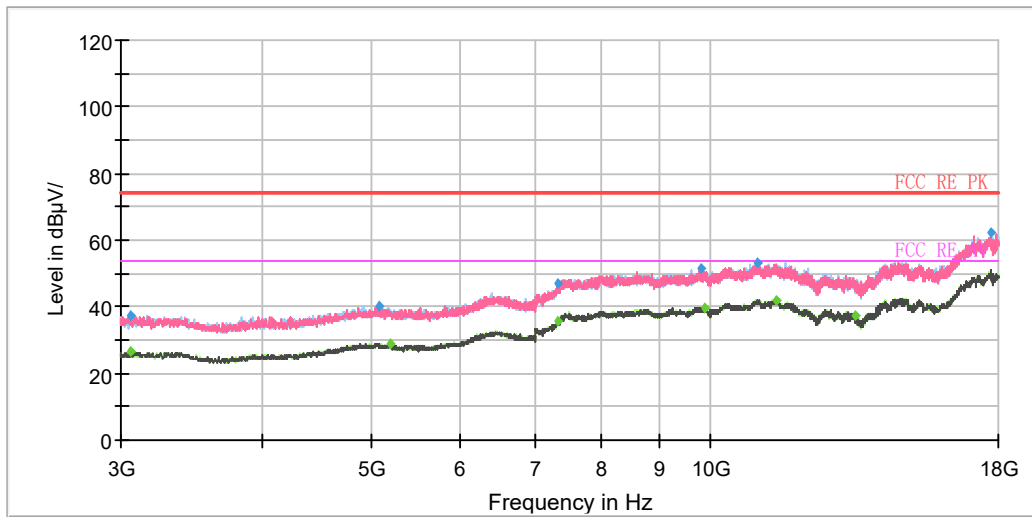
802.11n (HT20) CH1



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

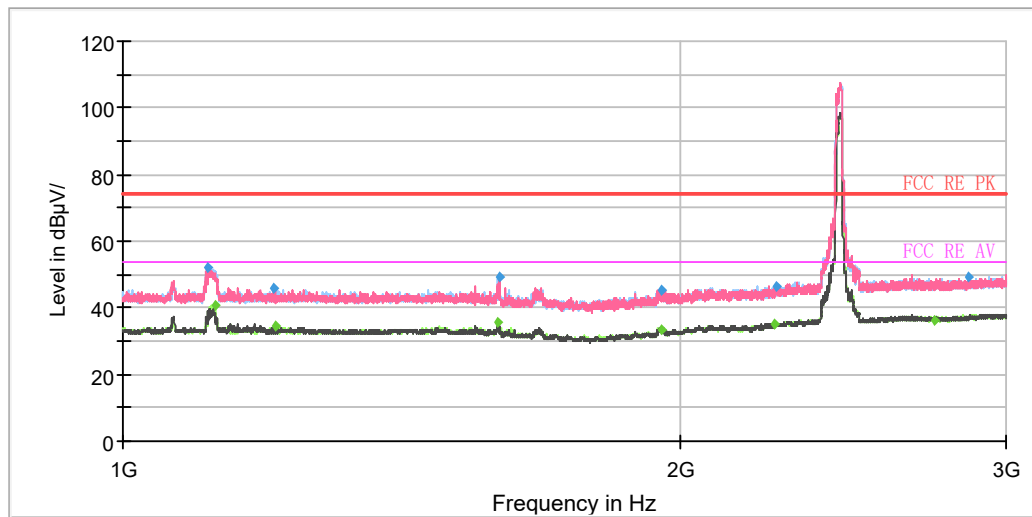
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1111.25	52.11	---	74.00	21.89	500.00	100.0	H	226.00	-6
1115.75	---	40.45	54.00	13.55	500.00	100.0	H	226.00	-6
1355.00	---	34.67	54.00	19.33	500.00	100.0	H	259.00	-5
1355.25	45.53	---	74.00	28.47	500.00	100.0	H	259.00	-5
1593.25	46.49	---	74.00	27.51	500.00	100.0	H	346.00	-5
1594.00	---	34.75	54.00	19.25	500.00	100.0	V	74.00	-5
2048.25	45.77	---	74.00	28.23	500.00	100.0	V	302.00	-4
2077.25	---	34.61	54.00	19.39	500.00	100.0	V	140.00	-4
2265.25	---	35.35	54.00	18.65	500.00	100.0	H	293.00	-3
2279.75	46.72	---	74.00	27.28	500.00	100.0	H	356.00	-3
2809.50	---	37.15	54.00	16.85	500.00	100.0	V	37.00	0
2842.25	49.01	---	74.00	24.99	500.00	100.0	H	0.00	0



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3056.25	37.49	---	74.00	36.51	500.00	100.0	V	66.00	-9
3060.00	---	26.47	54.00	27.53	500.00	100.0	H	50.00	-9
5077.50	40.39	---	74.00	33.61	500.00	100.0	V	148.00	-6
5203.13	---	28.81	54.00	25.19	500.00	100.0	V	358.00	-5
7325.63	---	35.73	54.00	18.27	500.00	100.0	V	0.00	1
7331.25	46.99	---	74.00	27.01	500.00	100.0	H	10.00	1
9802.50	51.70	---	74.00	22.30	500.00	100.0	H	0.00	3
9881.25	---	39.75	54.00	14.25	500.00	100.0	V	148.00	3
10987.50	53.31	---	74.00	20.69	500.00	100.0	V	0.00	6
11420.63	---	41.86	54.00	12.14	500.00	100.0	H	265.00	7
13432.50	---	37.35	54.00	16.65	500.00	100.0	H	0.00	8
17739.38	62.40	---	74.00	11.60	500.00	100.0	H	238.00	18

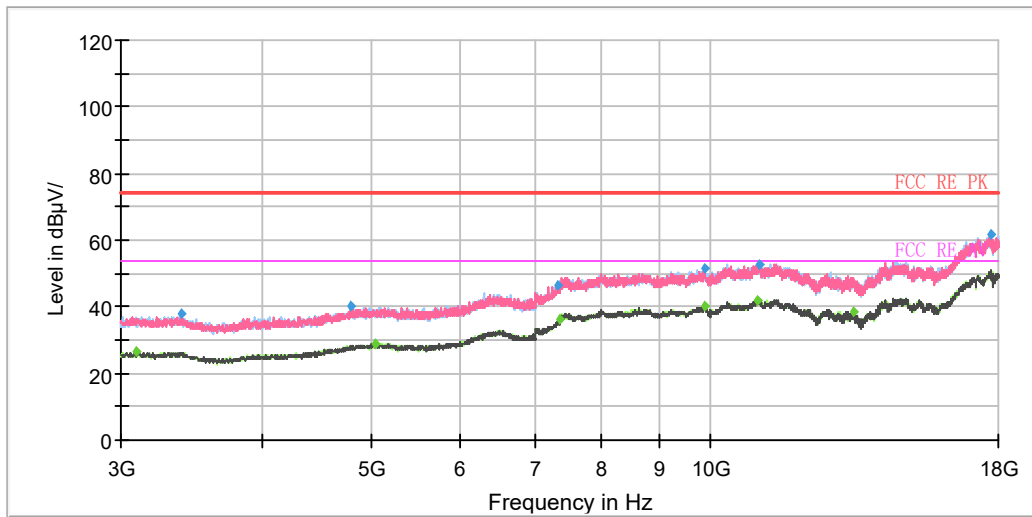
802.11n (HT20) CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

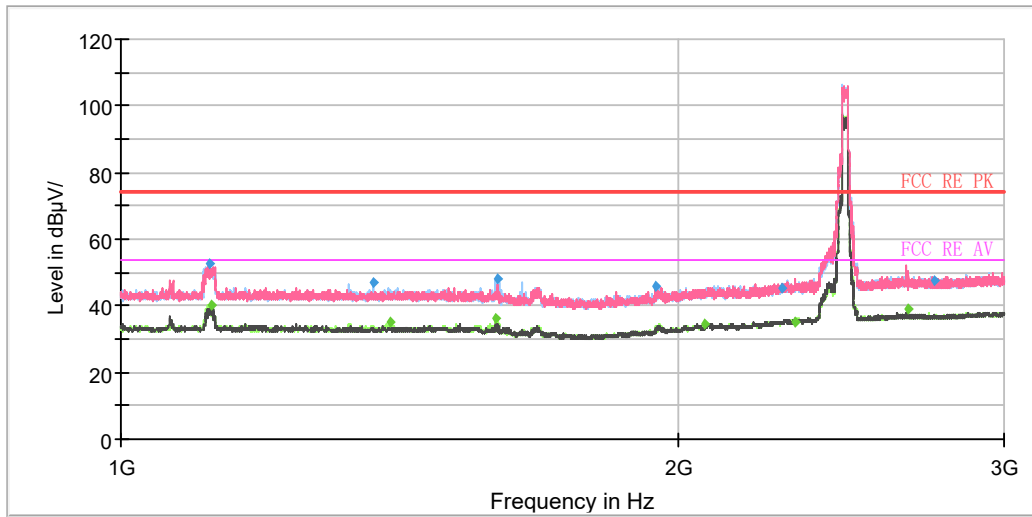
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1111.50	51.85	---	74.00	22.15	500.00	100.0	H	228.00	-6
1120.75	---	40.79	54.00	13.21	500.00	100.0	H	228.00	-6
1206.50	45.72	---	74.00	28.28	500.00	100.0	H	212.00	-6
1207.75	---	34.46	54.00	19.54	500.00	100.0	V	230.00	-6
1593.75	---	35.55	54.00	18.45	500.00	100.0	H	279.00	-5
1596.75	49.33	---	74.00	24.67	500.00	100.0	V	264.00	-6
1953.25	---	33.59	54.00	20.41	500.00	100.0	H	114.00	-5
1956.00	45.23	---	74.00	28.77	500.00	100.0	H	114.00	-5
2249.00	---	34.85	54.00	19.15	500.00	100.0	H	212.00	-3
2254.25	46.66	---	74.00	27.34	500.00	100.0	H	0.00	-3
2747.00	---	36.48	54.00	17.52	500.00	100.0	H	354.00	0
2860.75	48.99	---	74.00	25.01	500.00	100.0	V	83.00	0



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3090.00	---	26.78	54.00	27.22	500.00	100.0	H	0.00	-9
3388.13	37.73	---	74.00	36.27	500.00	100.0	H	2.00	-7
4796.25	40.24	---	74.00	33.76	500.00	100.0	V	0.00	-6
5038.13	---	28.98	54.00	25.02	500.00	100.0	H	319.00	-6
7323.75	46.22	---	74.00	27.78	500.00	100.0	V	338.00	1
7348.13	---	36.25	54.00	17.75	500.00	100.0	V	289.00	1
9866.25	---	40.09	54.00	13.91	500.00	100.0	V	352.00	3
9886.88	51.51	---	74.00	22.49	500.00	100.0	V	316.00	3
11010.00	---	41.87	54.00	12.13	500.00	100.0	H	0.00	7
11034.38	52.89	---	74.00	21.11	500.00	100.0	H	36.00	7
13370.63	---	38.39	54.00	15.61	500.00	100.0	H	291.00	8
17733.75	61.71	---	74.00	12.29	500.00	100.0	H	0.00	18

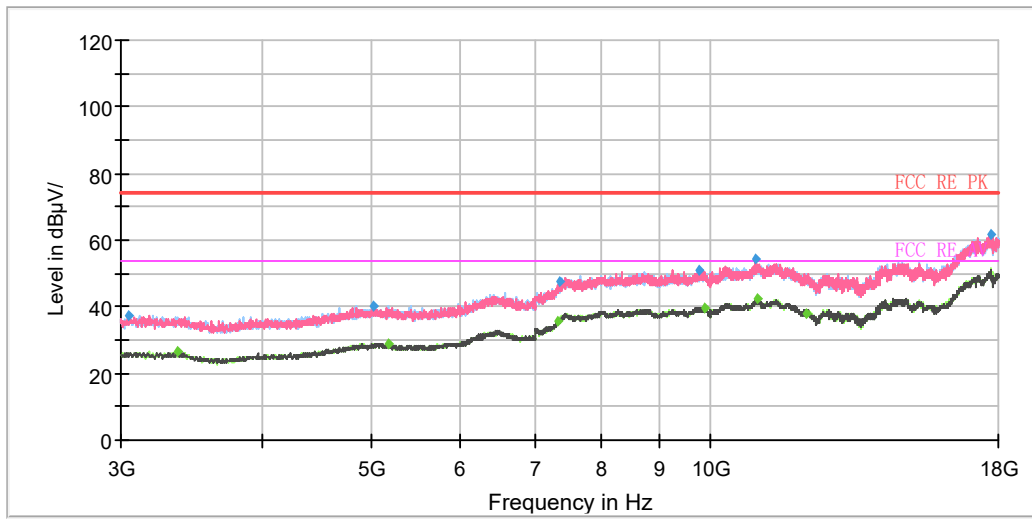
802.11n (HT20) CH11



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

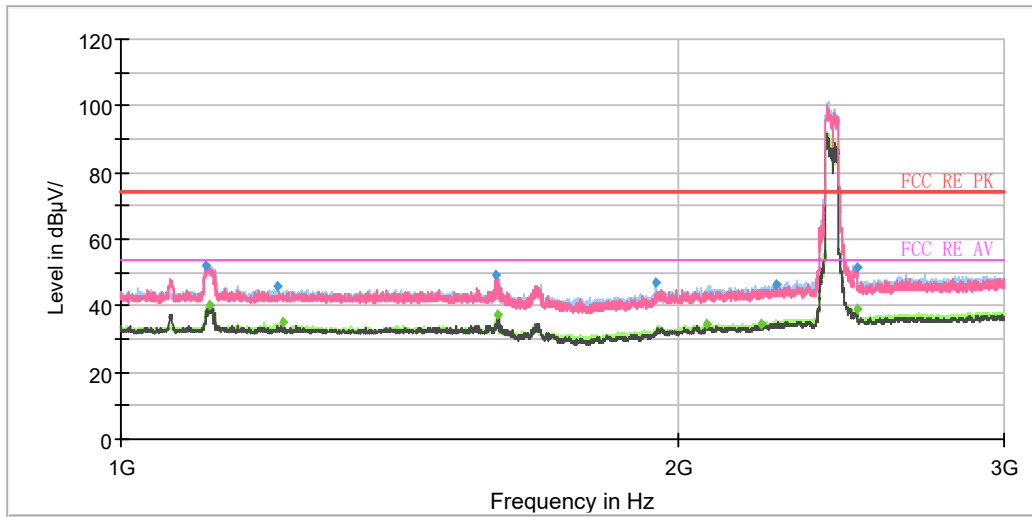
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1115.75	52.45	---	74.00	21.55	500.00	100.0	V	227.00	-6
1118.25	---	40.45	54.00	13.55	500.00	100.0	V	227.00	-6
1367.50	46.92	---	74.00	27.08	500.00	100.0	H	279.00	-5
1399.50	---	34.86	54.00	19.14	500.00	100.0	H	3.00	-5
1595.00	---	36.13	54.00	17.87	500.00	100.0	H	264.00	-5
1596.00	47.84	---	74.00	26.16	500.00	100.0	H	264.00	-6
1947.00	45.66	---	74.00	28.34	500.00	100.0	H	132.00	-5
2069.25	---	34.72	54.00	19.28	500.00	100.0	H	6.00	-4
2277.75	45.49	---	74.00	28.51	500.00	100.0	V	161.00	-3
2314.75	---	35.02	54.00	18.98	500.00	100.0	H	1.00	-2
2662.25	---	38.94	54.00	15.06	500.00	100.0	V	129.00	0
2751.75	47.58	---	74.00	26.42	500.00	100.0	H	279.00	0



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3041.25	37.42	---	74.00	36.58	500.00	100.0	V	0.00	-9
3361.88	---	26.57	54.00	27.43	500.00	100.0	H	265.00	-8
5021.25	40.15	---	74.00	33.85	500.00	100.0	H	1.00	-6
5173.13	---	29.12	54.00	24.88	500.00	100.0	V	256.00	-6
7333.13	---	35.80	54.00	18.20	500.00	100.0	H	102.00	1
7342.50	47.62	---	74.00	26.38	500.00	100.0	H	16.00	1
9759.38	51.18	---	74.00	22.82	500.00	100.0	V	256.00	3
9894.38	---	39.71	54.00	14.29	500.00	100.0	H	320.00	3
10978.13	54.47	---	74.00	19.53	500.00	100.0	V	349.00	6
11010.00	---	42.20	54.00	11.80	500.00	100.0	H	157.00	7
12153.75	---	38.17	54.00	15.83	500.00	100.0	H	0.00	7
17748.75	61.63	---	74.00	12.37	500.00	100.0	V	67.00	18

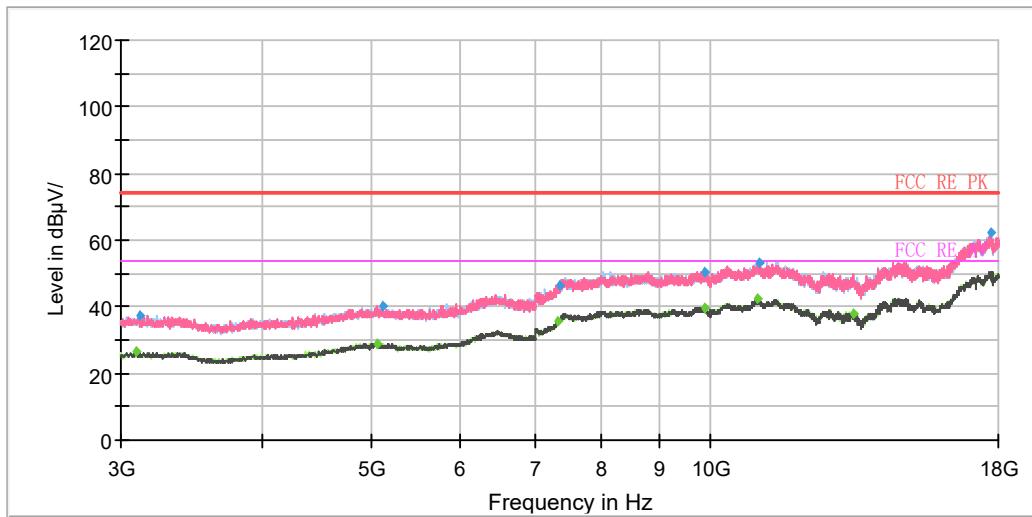
802.11n (HT40) CH3



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

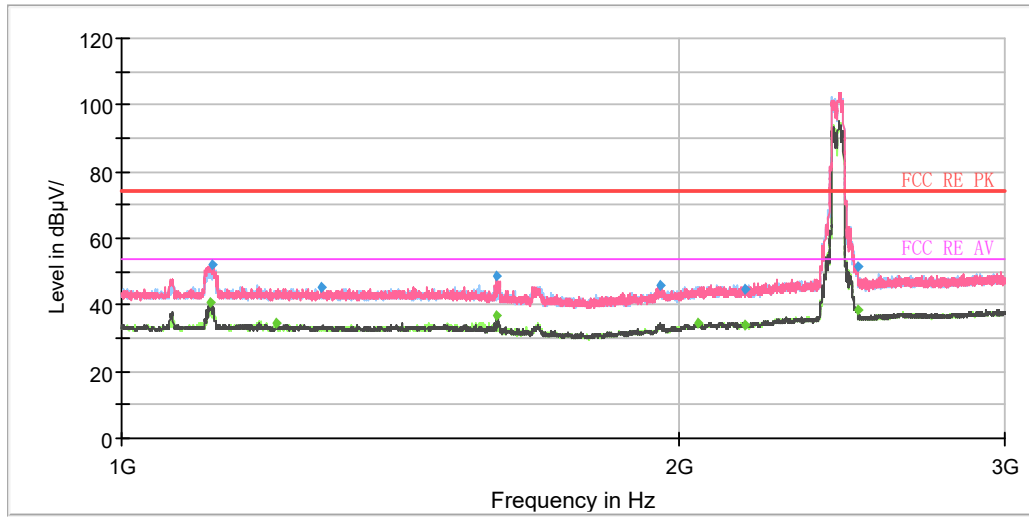
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1111.25	51.97	---	74.00	22.03	500.00	100.0	V	235.00	-6
1115.25	---	40.45	54.00	13.55	500.00	100.0	H	230.00	-6
1215.00	45.83	---	74.00	28.17	500.00	100.0	H	248.00	-5
1222.75	---	34.88	54.00	19.12	500.00	100.0	H	315.00	-5
1595.00	49.36	---	74.00	24.64	500.00	100.0	H	298.00	-5
1599.00	---	37.63	54.00	16.37	500.00	100.0	V	252.00	-6
1946.00	46.87	---	74.00	27.13	500.00	100.0	H	196.00	-5
2073.75	---	34.78	54.00	19.22	500.00	100.0	H	355.00	-4
2218.50	---	34.46	54.00	19.54	500.00	100.0	H	0.00	-3
2257.75	46.35	---	74.00	27.65	500.00	100.0	H	350.00	-3
2499.50	---	38.88	54.00	15.12	500.00	100.0	H	315.00	-1
2499.75	51.29	---	74.00	22.71	500.00	100.0	H	315.00	-1



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3088.13	---	26.36	54.00	27.64	500.00	100.0	V	350.00	-9
3114.38	37.60	---	74.00	36.40	500.00	100.0	H	292.00	-9
5068.13	---	29.10	54.00	24.90	500.00	100.0	H	238.00	-6
5124.38	40.18	---	74.00	33.82	500.00	100.0	H	292.00	-6
7327.50	---	35.82	54.00	18.18	500.00	100.0	H	3.00	1
7336.88	46.32	---	74.00	27.68	500.00	100.0	H	49.00	1
9873.75	50.66	---	74.00	23.34	500.00	100.0	H	25.00	3
9888.75	---	39.75	54.00	14.25	500.00	100.0	H	0.00	3
10989.38	---	42.32	54.00	11.68	500.00	100.0	V	0.00	6
11041.88	53.39	---	74.00	20.61	500.00	100.0	H	25.00	7
13370.63	---	38.04	54.00	15.96	500.00	100.0	H	129.00	8
17741.25	62.30	---	74.00	11.70	500.00	100.0	V	151.00	18

802.11n (HT40) CH6

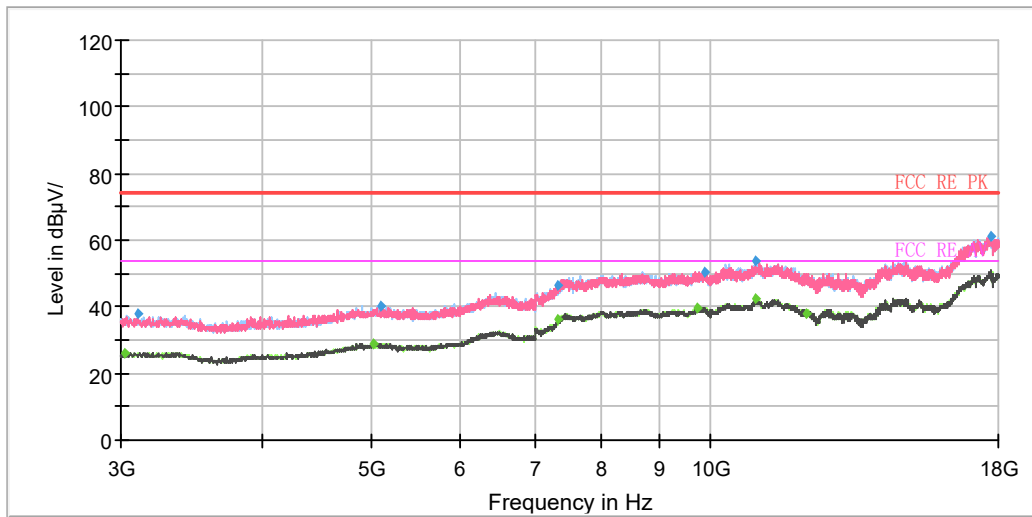


N

ote: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

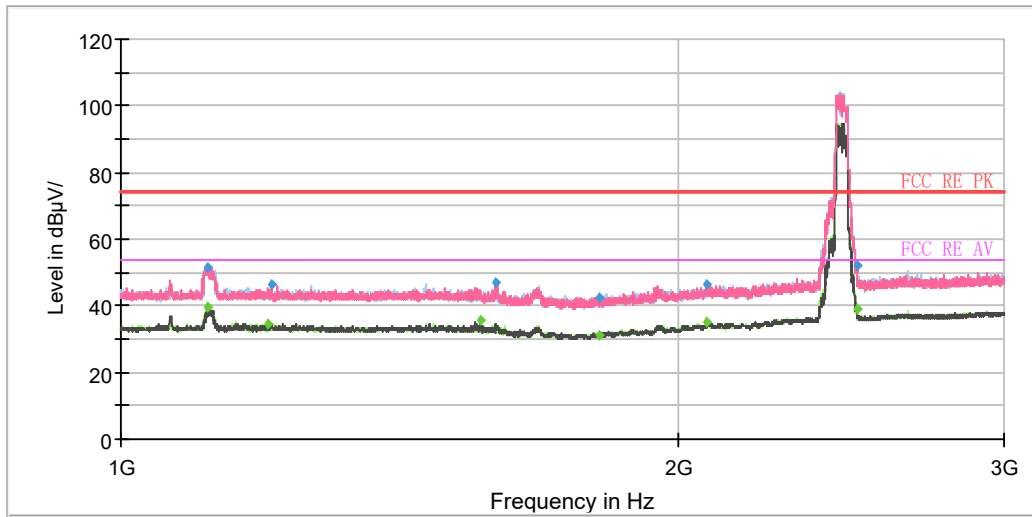
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1117.00	---	40.51	54.00	13.49	500.00	100.0	V	232.00	-6
1118.50	52.13	---	74.00	21.87	500.00	100.0	V	232.00	-6
1212.00	---	34.52	54.00	19.48	500.00	100.0	H	248.00	-5
1282.75	45.35	---	74.00	28.65	500.00	100.0	V	265.00	-5
1593.25	48.41	---	74.00	25.59	500.00	100.0	V	66.00	-5
1594.00	---	36.89	54.00	17.11	500.00	100.0	V	66.00	-5
1952.75	45.58	---	74.00	28.42	500.00	100.0	H	233.00	-5
2046.25	---	34.53	54.00	19.47	500.00	100.0	H	215.00	-4
2171.50	44.66	---	74.00	29.34	500.00	100.0	H	0.00	-4
2171.50	---	33.80	54.00	20.20	500.00	100.0	H	0.00	-4
2498.50	---	38.44	54.00	15.56	500.00	100.0	H	313.00	-1
2500.00	51.45	---	74.00	22.55	500.00	100.0	H	313.00	-1



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3028.13	---	26.26	54.00	27.74	500.00	100.0	V	336.00	-9
3106.88	37.81	---	74.00	36.19	500.00	100.0	H	3.00	-9
5023.13	---	28.89	54.00	25.11	500.00	100.0	V	0.00	-6
5100.00	40.17	---	74.00	33.83	500.00	100.0	V	258.00	-6
7325.63	---	36.19	54.00	17.81	500.00	100.0	V	232.00	1
7329.38	46.33	---	74.00	27.67	500.00	100.0	V	0.00	1
9748.13	---	39.66	54.00	14.34	500.00	100.0	V	358.00	3
9894.38	50.63	---	74.00	23.37	500.00	100.0	V	0.00	3
10978.13	---	42.21	54.00	11.79	500.00	100.0	H	103.00	6
10980.00	53.95	---	74.00	20.05	500.00	100.0	H	0.00	6
12142.50	---	38.18	54.00	15.82	500.00	100.0	H	210.00	7
17720.63	61.09	---	74.00	12.91	500.00	100.0	H	10.00	18

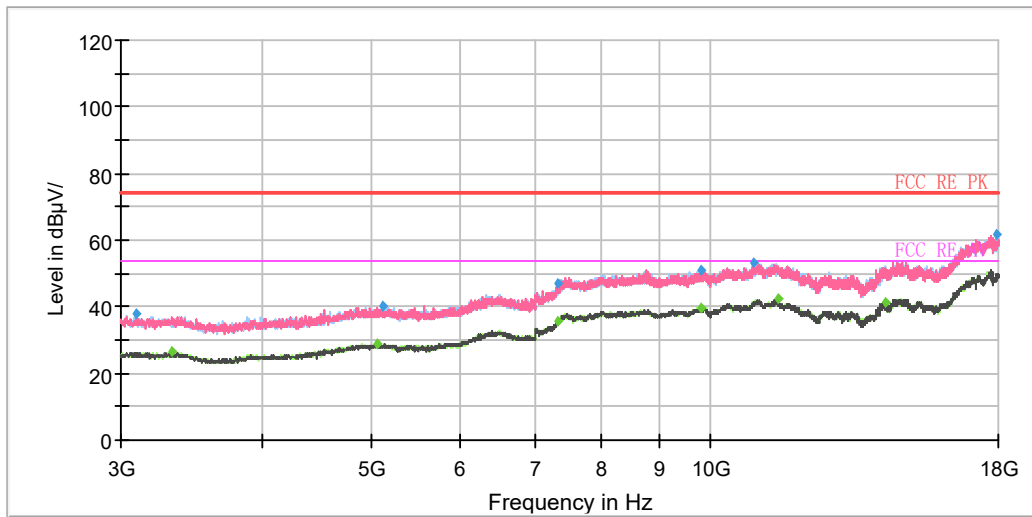
802.11n (HT40) CH9



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1113.75	---	39.53	54.00	14.47	500.00	100.0	H	228.00	-6
1114.00	51.72	---	74.00	22.28	500.00	100.0	H	228.00	-6
1201.25	---	34.60	54.00	19.40	500.00	100.0	V	279.00	-6
1206.00	46.56	---	74.00	27.44	500.00	100.0	V	214.00	-6
1563.75	---	35.70	54.00	18.30	500.00	100.0	V	279.00	-5
1593.25	47.05	---	74.00	26.95	500.00	100.0	V	246.00	-5
1815.00	42.49	---	74.00	31.51	500.00	100.0	H	59.00	-5
1815.00	---	31.21	54.00	22.79	500.00	100.0	H	59.00	-5
2073.75	---	35.00	54.00	19.00	500.00	100.0	V	327.00	-4
2074.25	46.28	---	74.00	27.72	500.00	100.0	V	327.00	-4
2498.25	---	38.78	54.00	15.22	500.00	100.0	H	316.00	-1
2500.25	51.87	---	74.00	22.13	500.00	100.0	H	334.00	-1



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3091.88	37.67	---	74.00	36.33	500.00	100.0	V	331.00	-9
3333.75	---	26.47	54.00	27.53	500.00	100.0	V	175.00	-8
5055.00	---	28.99	54.00	25.01	500.00	100.0	V	308.00	-6
5120.63	40.08	---	74.00	33.92	500.00	100.0	H	2.00	-6
7333.13	---	35.53	54.00	18.47	500.00	100.0	H	18.00	1
7333.13	46.90	---	74.00	27.10	500.00	100.0	V	331.00	1
9798.75	51.01	---	74.00	22.99	500.00	100.0	V	254.00	3
9808.13	---	39.87	54.00	14.13	500.00	100.0	H	198.00	3
10903.13	53.07	---	74.00	20.93	500.00	100.0	V	0.00	6
11469.38	---	42.23	54.00	11.77	500.00	100.0	V	68.00	7
14276.25	---	41.35	54.00	12.65	500.00	100.0	V	227.00	9
17943.75	61.80	---	74.00	12.20	500.00	100.0	H	170.00	18

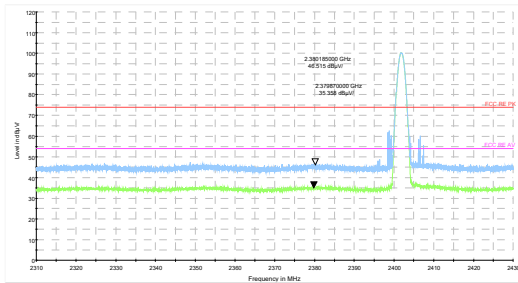
1.2. Bluetooth LE

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

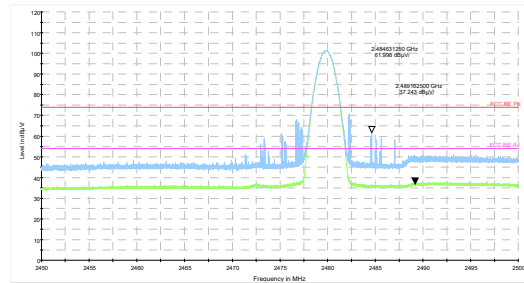
A symbol ($\text{dB}_{\mu\text{V}}$) in the test plot below means ($\text{dB}\mu\text{V/m}$)

The signal beyond the limit is carrier.

After the pretest, Bluetooth LE (1M) was selected as the worst Mode for Bluetooth LE.



Bluetooth LE Channel 0 Peak+ Average



Bluetooth LE Channel 39 Peak+Average

Result of RE

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

Remark:

1. **Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**
2. **Margin = Limit – Quasi-Peak/ MAX Peak/ Average**
3. **A symbol ($\text{dB}\mu\text{V}/\text{m}$) in the test plot below means ($\text{dB}\mu\text{V}/\text{m}$)**
A symbol (dB V/m) in the test plot below means ($\text{dB}\mu\text{V}/\text{m}$)
4. **The following graphs display the maximum values of coaxial and coplanar for 9k-30MHz; horizontal and vertical for above 30MHz by software.**
5. **For below 1GHz**

 QP Level @Spectrum Overview H
  QP Level @Spectrum Overview V
  QP Level @Final Results
  QP Limit

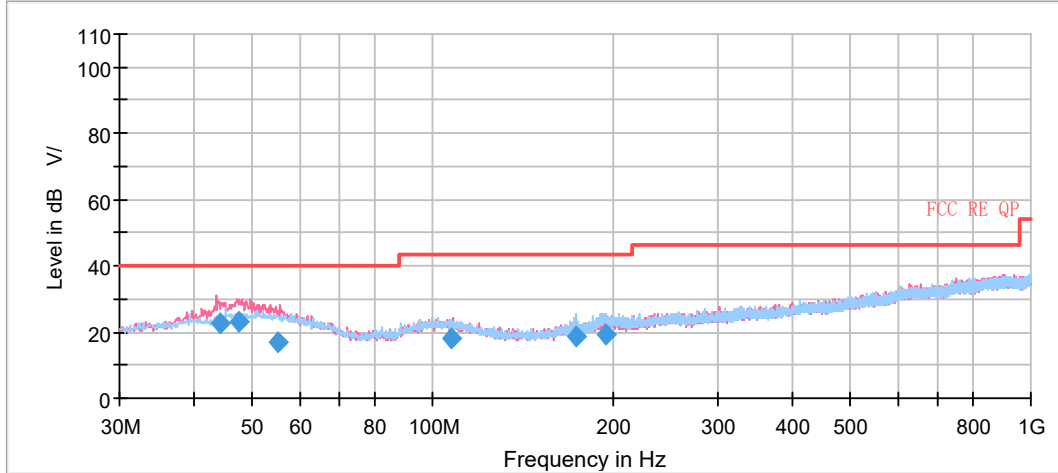
For above 1GHz

 PK Level @Spectrum Overview H
  PK Level @Spectrum Overview V
  PK Level @Final Results
  PK Limit

 AVG Level @Spectrum Overview H
  AVG Level @Spectrum Overview V
  AVG Level @Final Results
  AVG Limit

Continuous TX mode:

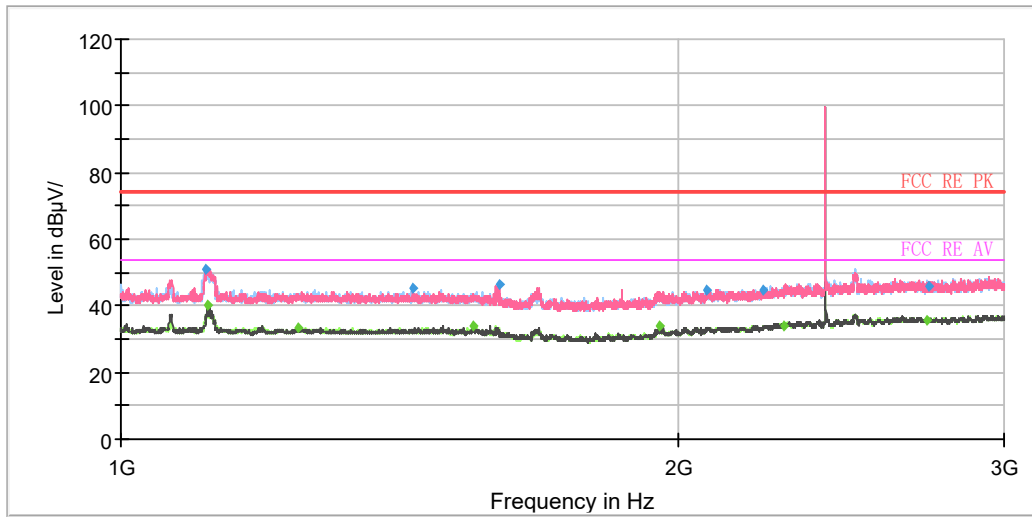
During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels. The test data of the worst-case condition (Bluetooth LE-Channel 39) was recorded in this report.



Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
44.180000	22.49	40.00	17.51	175.0	V	8.0	20.9
47.546250	23.37	40.00	16.63	175.0	V	139.0	21.2
55.225000	17.18	40.00	22.82	113.0	V	145.0	20.7
107.685000	17.99	43.50	25.51	175.0	V	98.0	19.0
173.918750	18.75	43.50	24.75	115.0	H	299.0	20.1
195.305000	19.08	43.50	24.42	181.0	H	302.0	19.1

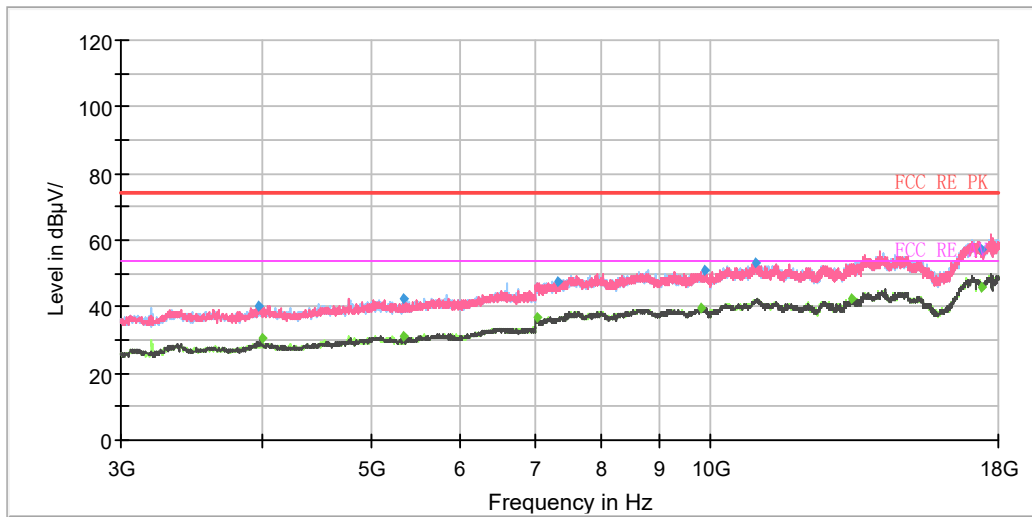
Bluetooth LE-Channel 0



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

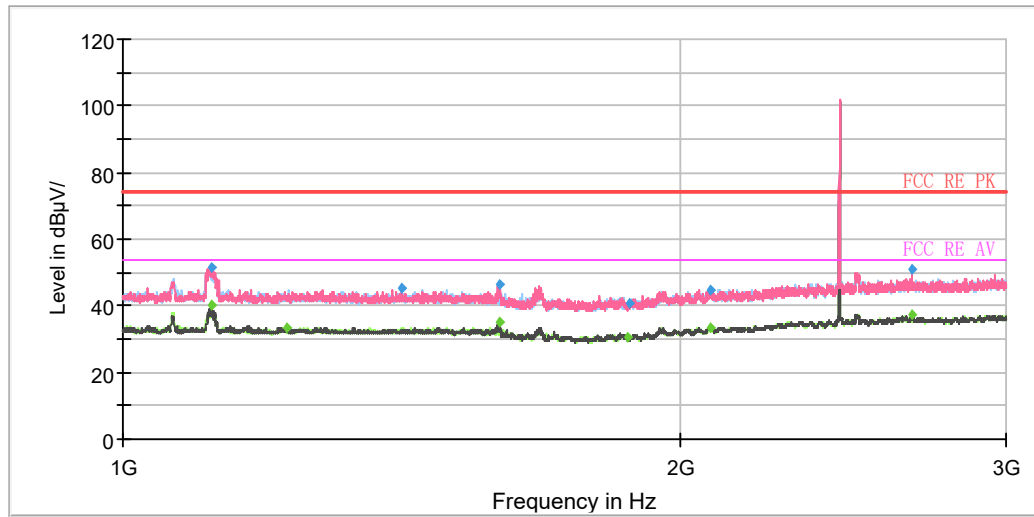
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1110.00	51.15	---	74.00	22.85	500.00	100.0	V	297.00	-6
1112.75	---	40.23	54.00	13.77	500.00	100.0	V	221.00	-6
1247.25	---	33.54	54.00	20.46	500.00	100.0	H	4.00	-5
1438.75	45.31	---	74.00	28.69	500.00	100.0	V	255.00	-5
1548.50	---	34.04	54.00	19.96	500.00	100.0	V	355.00	-5
1600.50	46.53	---	74.00	27.47	500.00	100.0	V	297.00	-6
1955.50	---	33.75	54.00	20.25	500.00	100.0	V	190.00	-5
2072.50	44.74	---	74.00	29.26	500.00	100.0	V	355.00	-4
2221.75	44.79	---	74.00	29.21	500.00	100.0	V	297.00	-3
2282.50	---	33.69	54.00	20.31	500.00	100.0	H	104.00	-3
2726.75	---	35.64	54.00	18.36	500.00	100.0	H	0.00	0
2734.00	46.03	---	74.00	27.97	500.00	100.0	H	305.00	0



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3971.25	40.25	---	74.00	33.75	500.00	100.0	H	16.00	-7
3999.38	---	30.45	54.00	23.55	500.00	100.0	V	319.00	-7
5332.50	---	31.30	54.00	22.70	500.00	100.0	V	93.00	-6
5334.38	42.40	---	74.00	31.60	500.00	100.0	V	93.00	-6
7005.00	---	36.97	54.00	17.03	500.00	100.0	V	18.00	0
7306.88	47.66	---	74.00	26.34	500.00	100.0	V	18.00	1
9796.88	---	39.56	54.00	14.44	500.00	100.0	H	267.00	3
9879.38	50.95	---	74.00	23.05	500.00	100.0	V	290.00	3
10961.25	52.98	---	74.00	21.02	500.00	100.0	H	0.00	6
13346.25	---	42.66	54.00	11.34	500.00	100.0	H	135.00	8
17405.63	---	45.74	54.00	8.26	500.00	100.0	H	0.00	17
17405.63	57.30	---	74.00	16.70	500.00	100.0	V	38.00	17

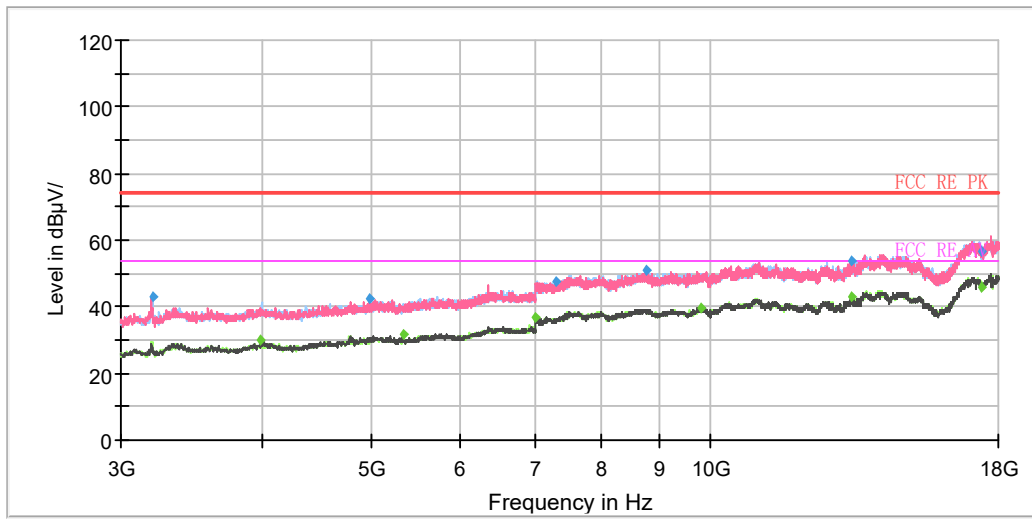
Bluetooth LE-Channel 19



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

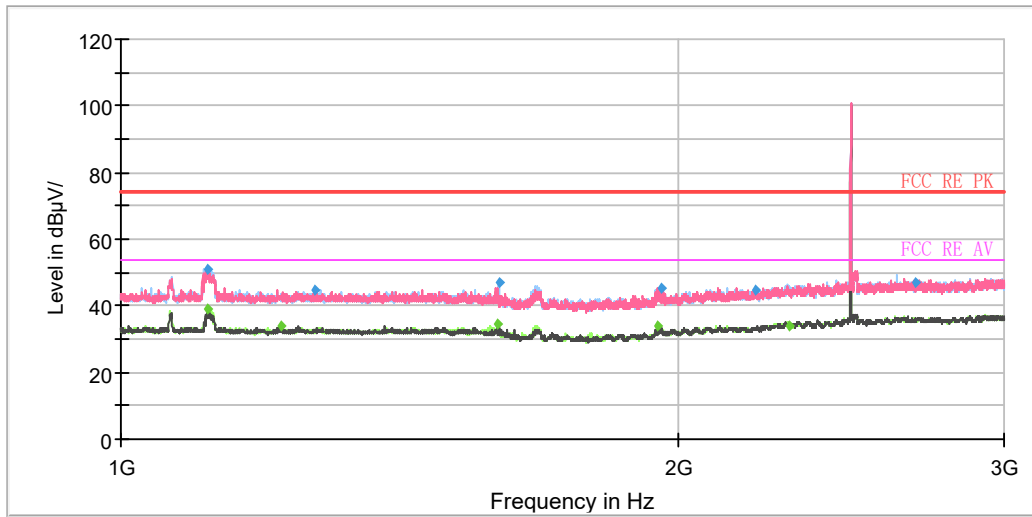
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1115.50	---	39.95	54.00	14.05	500.00	100.0	V	224.00	-6
1117.25	51.47	---	74.00	22.53	500.00	100.0	V	224.00	-6
1226.75	---	33.66	54.00	20.34	500.00	100.0	H	222.00	-5
1415.00	45.44	---	74.00	28.56	500.00	100.0	V	74.00	-5
1596.50	46.21	---	74.00	27.79	500.00	100.0	V	255.00	-6
1598.25	---	34.99	54.00	19.01	500.00	100.0	V	255.00	-6
1875.00	---	30.38	54.00	23.62	500.00	100.0	V	334.00	-5
1879.25	40.70	---	74.00	33.30	500.00	100.0	V	255.00	-5
2074.75	44.82	---	74.00	29.18	500.00	100.0	V	90.00	-4
2077.50	---	33.57	54.00	20.43	500.00	100.0	H	122.00	-4
2666.75	---	37.61	54.00	16.39	500.00	100.0	V	141.00	0
2668.25	50.87	---	74.00	23.13	500.00	100.0	V	141.00	0



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3196.88	43.14	---	74.00	30.86	500.00	100.0	H	121.00	-9
3993.75	---	29.75	54.00	24.25	500.00	100.0	V	151.00	-7
4981.88	42.27	---	74.00	31.73	500.00	100.0	V	96.00	-6
5334.38	---	31.45	54.00	22.55	500.00	100.0	H	121.00	-6
7003.13	---	36.91	54.00	17.09	500.00	100.0	V	318.00	0
7280.63	47.76	---	74.00	26.24	500.00	100.0	H	39.00	1
8769.38	50.76	---	74.00	23.24	500.00	100.0	H	280.00	3
9804.38	---	39.78	54.00	14.22	500.00	100.0	H	0.00	3
13346.25	---	42.75	54.00	11.25	500.00	100.0	H	0.00	8
13350.00	53.59	---	74.00	20.41	500.00	100.0	V	123.00	8
17392.50	56.58	---	74.00	17.42	500.00	100.0	H	0.00	17
17401.88	---	45.63	54.00	8.37	500.00	100.0	V	123.00	17

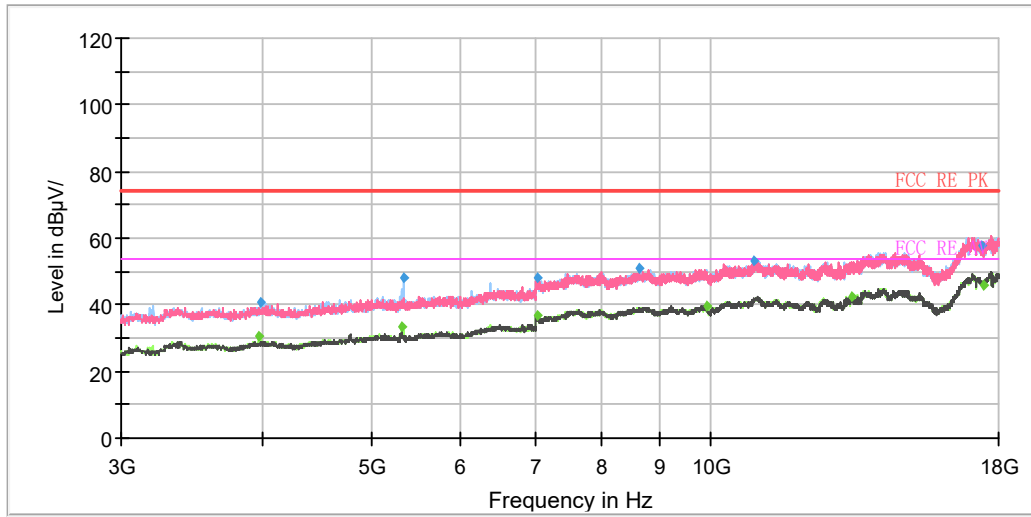
Bluetooth LE-Channel 39



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1113.00	51.14	---	74.00	22.86	500.00	100.0	H	220.00	-6
1114.75	---	38.78	54.00	15.22	500.00	100.0	H	220.00	-6
1221.25	---	33.89	54.00	20.11	500.00	100.0	H	205.00	-5
1272.25	45.00	---	74.00	29.00	500.00	100.0	H	269.00	-5
1598.50	---	34.61	54.00	19.39	500.00	100.0	H	254.00	-6
1599.50	46.77	---	74.00	27.23	500.00	100.0	H	138.00	-6
1951.50	---	33.68	54.00	20.32	500.00	100.0	V	205.00	-5
1957.75	45.49	---	74.00	28.51	500.00	100.0	H	189.00	-5
2202.50	44.71	---	74.00	29.29	500.00	100.0	H	0.00	-4
2299.00	---	33.87	54.00	20.13	500.00	100.0	V	0.00	-2
2690.00	46.90	---	74.00	27.10	500.00	100.0	V	2.00	0



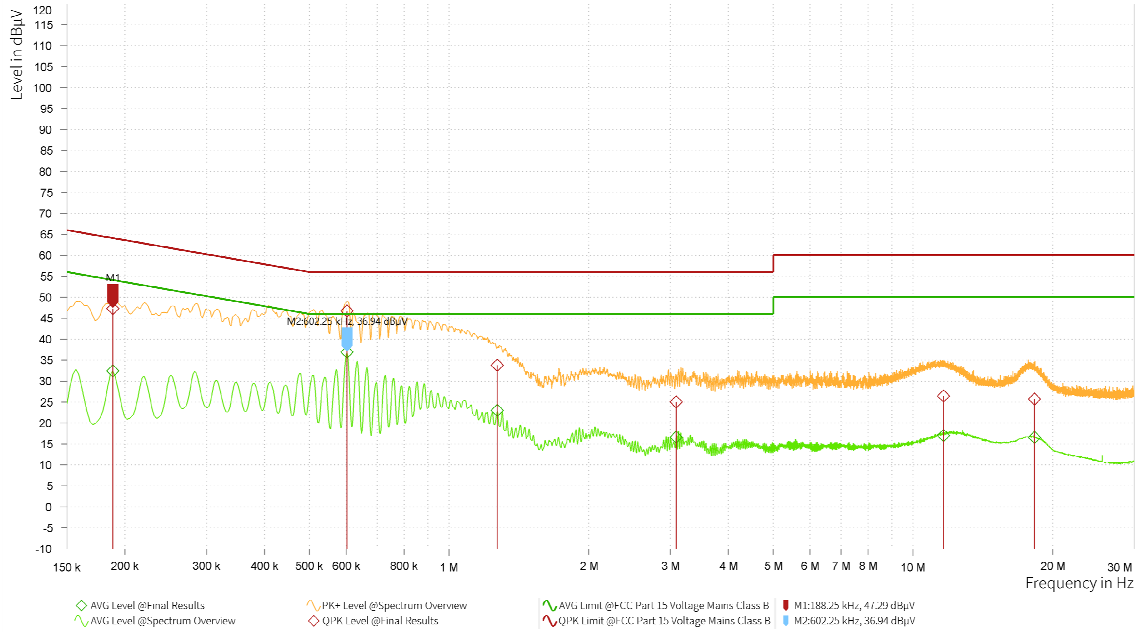
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3978.75	---	30.57	54.00	23.43	500.00	100.0	H	148.00	-7
3991.88	40.80	---	74.00	33.20	500.00	100.0	H	148.00	-7
5317.50	---	33.48	54.00	20.52	500.00	100.0	H	93.00	-6
5334.38	48.37	---	74.00	25.63	500.00	100.0	H	93.00	-6
7008.75	---	36.90	54.00	17.10	500.00	100.0	V	31.00	0
7029.38	47.93	---	74.00	26.07	500.00	100.0	V	31.00	0
8649.38	50.88	---	74.00	23.13	500.00	100.0	V	5.00	3
9900.00	---	39.66	54.00	14.34	500.00	100.0	V	58.00	3
10936.88	53.01	---	74.00	20.99	500.00	100.0	V	1.00	6
13348.13	---	42.47	54.00	11.53	500.00	100.0	V	319.00	8
17390.63	57.75	---	74.00	16.25	500.00	100.0	V	196.00	17
17461.88	---	45.80	54.00	8.20	500.00	100.0	H	0.00	17

2. Conducted Emission

2.1. Wi-Fi 2.4GHz

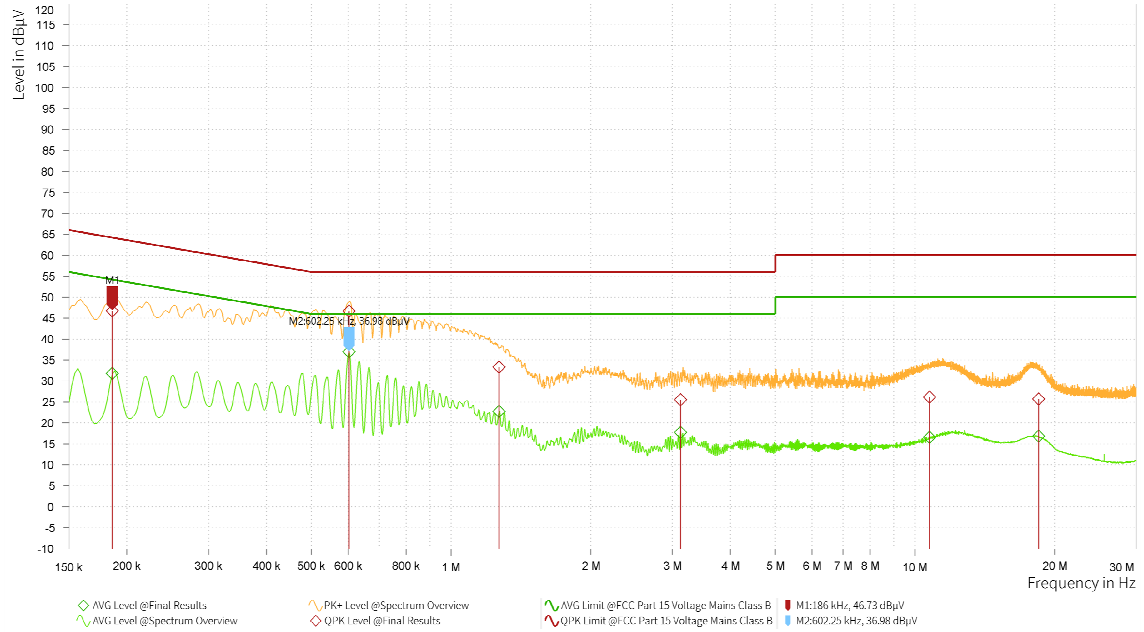
During the test, the Conducted Emission was performed in all modes with all channel. The test data of the worst-case condition (802.11g CH1) was recorded in this report.



Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.188	47.29	64.11	16.82	32.41	54.11	21.70	21.02	L1	9.000	1.000
0.602	46.71	56.00	9.29	36.94	46.00	9.06	20.67	L1	9.000	1.000
1.271	33.80	56.00	22.20	23.04	46.00	22.96	19.97	L1	9.000	1.000
3.086	25.01	56.00	30.99	16.63	46.00	29.37	19.48	L1	9.000	1.000
11.643	26.46	60.00	33.54	17.03	50.00	32.97	19.42	L1	9.000	1.000
18.294	25.73	60.00	34.27	16.57	50.00	33.43	19.61	L1	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

L line Conducted Emission from 150 kHz to 30 MHz



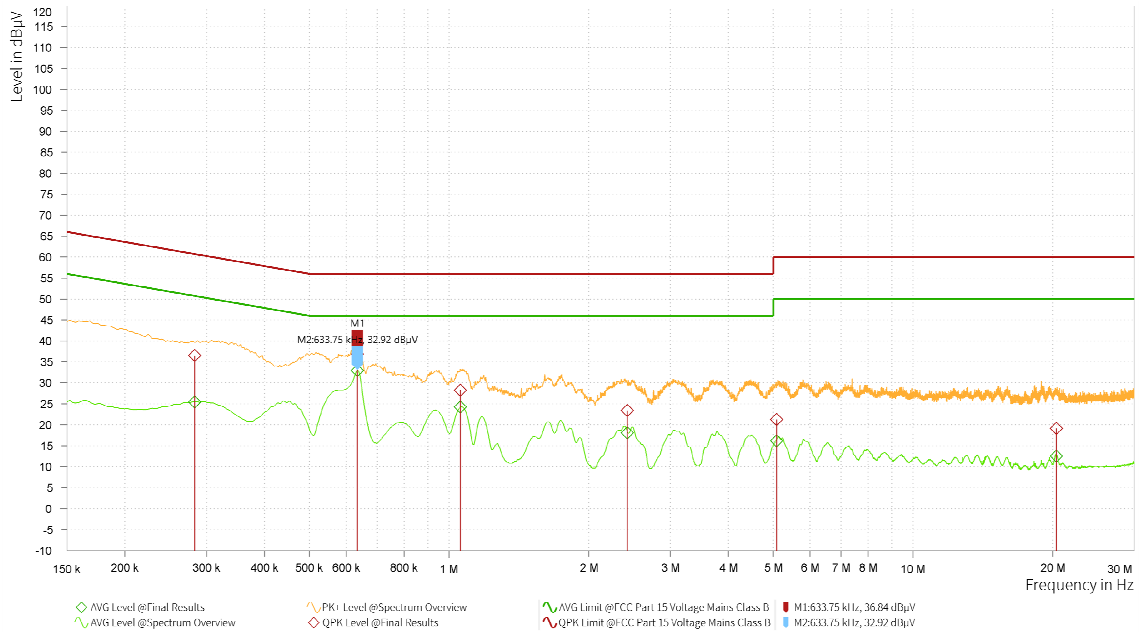
Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	AVG Level [dBµV]	AVG Limit [dBµV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.186	46.73	64.21	17.48	31.79	54.21	22.42	21.03	N	9.000	1.000
0.602	46.66	56.00	9.34	36.98	46.00	9.02	20.68	N	9.000	1.000
1.268	33.35	56.00	22.65	22.72	46.00	23.28	19.98	N	9.000	1.000
3.122	25.55	56.00	30.45	17.74	46.00	28.26	19.48	N	9.000	1.000
10.752	26.13	60.00	33.87	16.59	50.00	33.41	19.42	N	9.000	1.000
18.474	25.69	60.00	34.31	16.84	50.00	33.16	19.66	N	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 kHz to 30 MHz

2.2. Bluetooth LE

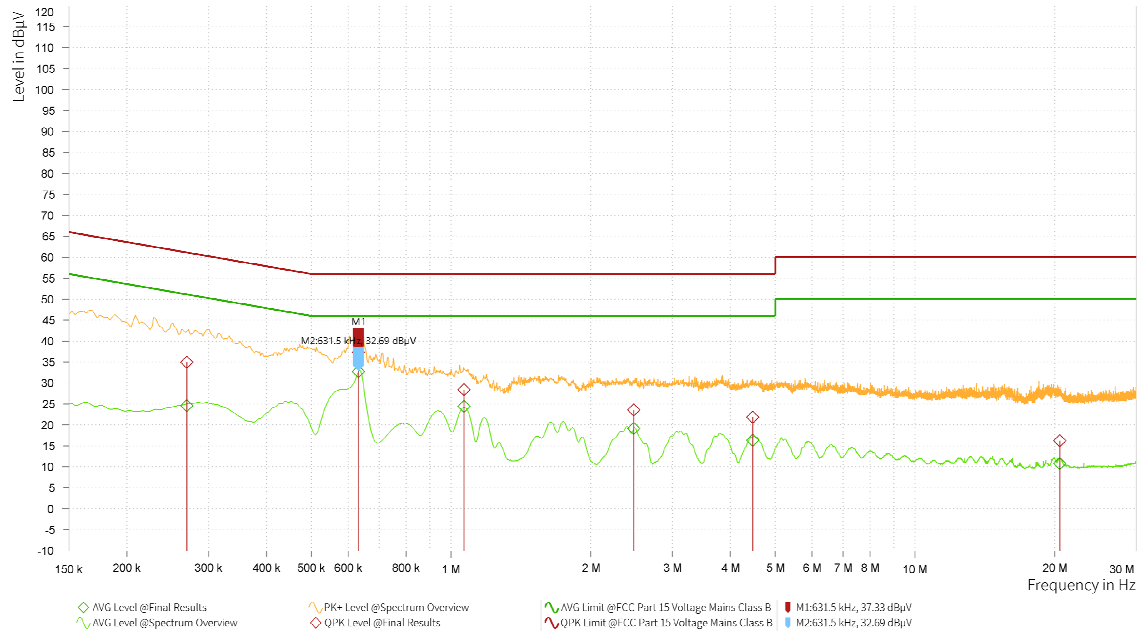
During the test, the Conducted Emission was performed in all modes with all channels. The test data of the worst-case condition (Bluetooth LE-Channel 39) was recorded in this report.



Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.283	36.52	60.73	24.21	25.41	50.73	25.33	20.95	L1	9.000	1.000
0.634	36.84	56.00	19.16	32.92	46.00	13.08	20.64	L1	9.000	1.000
1.057	28.26	56.00	27.74	24.24	46.00	21.76	20.12	L1	9.000	1.000
2.423	23.42	56.00	32.58	18.08	46.00	27.92	19.56	L1	9.000	1.000
5.084	21.26	60.00	38.74	16.17	50.00	33.83	19.40	L1	9.000	1.000
20.380	19.17	60.00	40.83	12.53	50.00	37.47	19.67	L1	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

L line Conducted Emission from 150 kHz to 30 MHz



Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	AVG Level [dBµV]	AVG Limit [dBµV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.269	34.97	61.14	26.17	24.59	51.14	26.55	20.97	N	9.000	1.000
0.632	37.33	56.00	18.67	32.69	46.00	13.31	20.65	N	9.000	1.000
1.066	28.42	56.00	27.58	24.43	46.00	21.57	20.12	N	9.000	1.000
2.477	23.58	56.00	32.42	19.16	46.00	26.84	19.56	N	9.000	1.000
4.468	21.83	56.00	34.17	16.34	46.00	29.66	19.42	N	9.000	1.000
20.535	16.23	60.00	43.77	10.79	50.00	39.21	19.73	N	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 kHz to 30 MHz