

ANNEX A: Test Result

1. Unwanted Emission

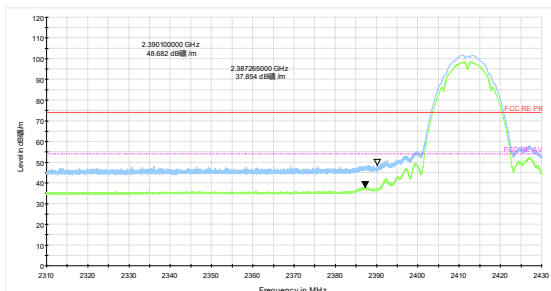
The radiated emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in lie-down position (Y axis) and the loop antenna is vertical, the others are vertical and horizontal. and the worst case was recorded.

1.1. Wi-Fi 2.4GHz

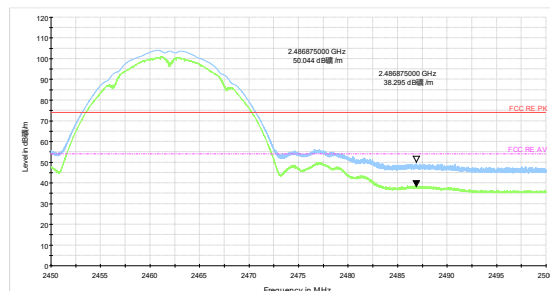
The following graphs display the maximum values of horizontal and vertical by software.
Blue trace uses the peak detection, Green trace uses the average detection.

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

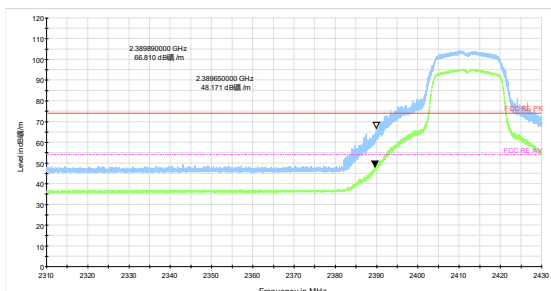
The signal beyond the limit is carrier.



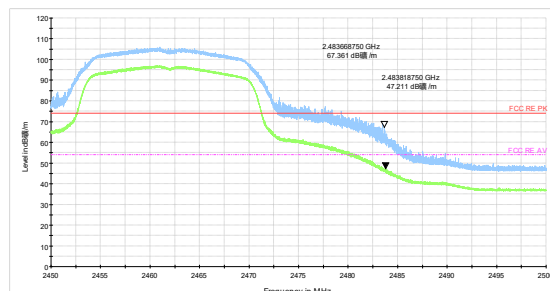
802.11b-Channel 1 Peak+ Average



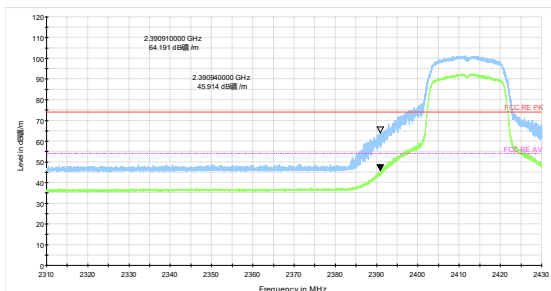
802.11b-Channel 11 Peak+ Average



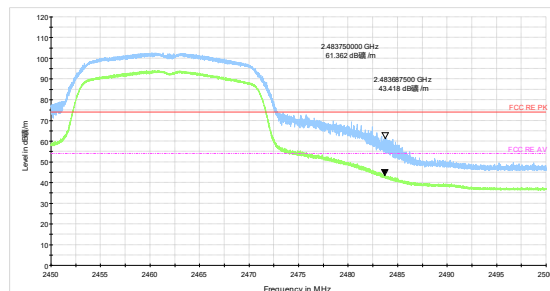
802.11g-Channel 1 Peak+ Average



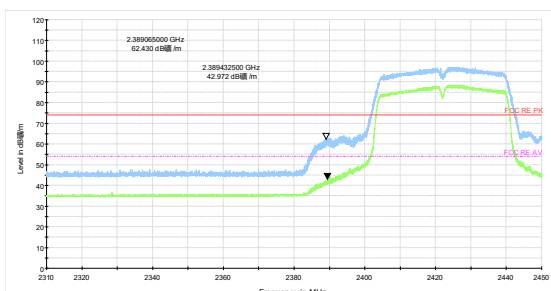
802.11g-Channel 11 Peak+ Average



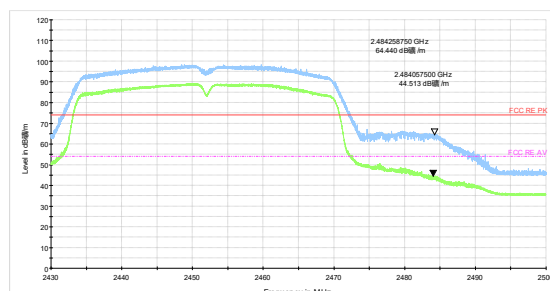
802.11n HT20-Channel 1 Peak+ Average



802.11n HT20-Channel 11 Peak+ Average



802.11n HT40-Channel 3 Peak+ Average



802.11n HT40-Channel 11 Peak+ Average

Result of RE

Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier.

Remark:

1. **Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**
2. **Margin = Limit – Quasi-Peak/ MAX Peak/ Average**
3. **The following graphs display the maximum values of horizontal and vertical by software.**
4. **For below 1GHz**

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

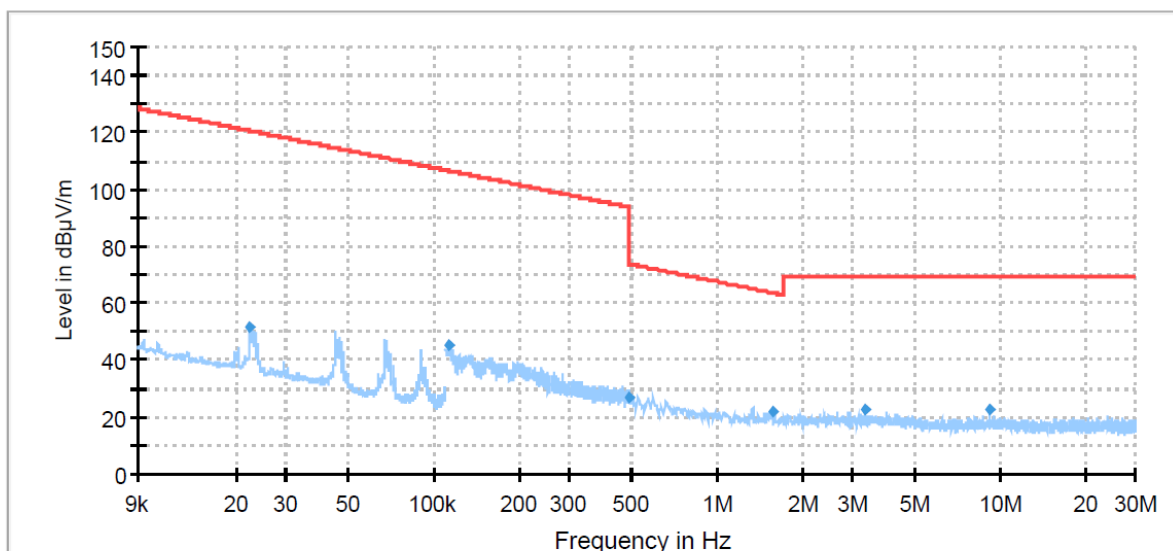
For above 1GHz

 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:

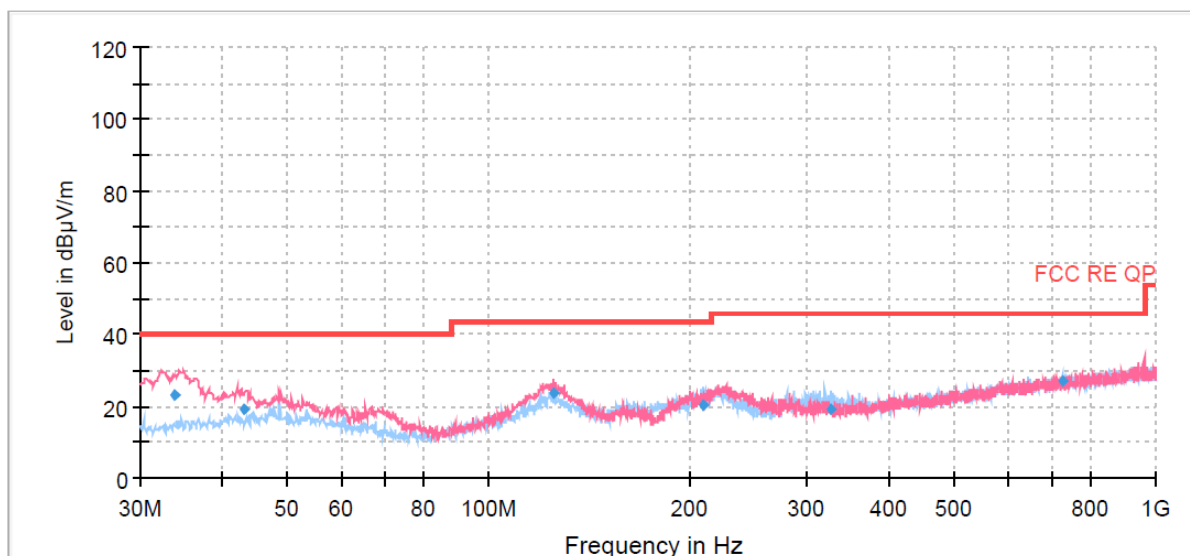
During the test, the Radiates Emission from 9kHz to 1GHz was performed in all modes with all channels, the test data of the worst-case condition was recorded in this report.



Radiates Emission from 9kHz to 30MHz

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Pol	Azimuth (deg)	Corr. (dB/m)
0.02	51.72	120.57	68.85	500.00	V	109.00	17
0.11	45.09	106.57	61.48	150.00	V	106.00	17
0.49	26.98	93.80	66.82	150.00	V	92.00	17
1.58	22.17	63.63	41.46	150.00	V	35.00	17
3.35	22.42	69.50	47.08	150.00	V	83.00	17
9.15	22.42	69.50	47.08	150.00	V	65.00	17

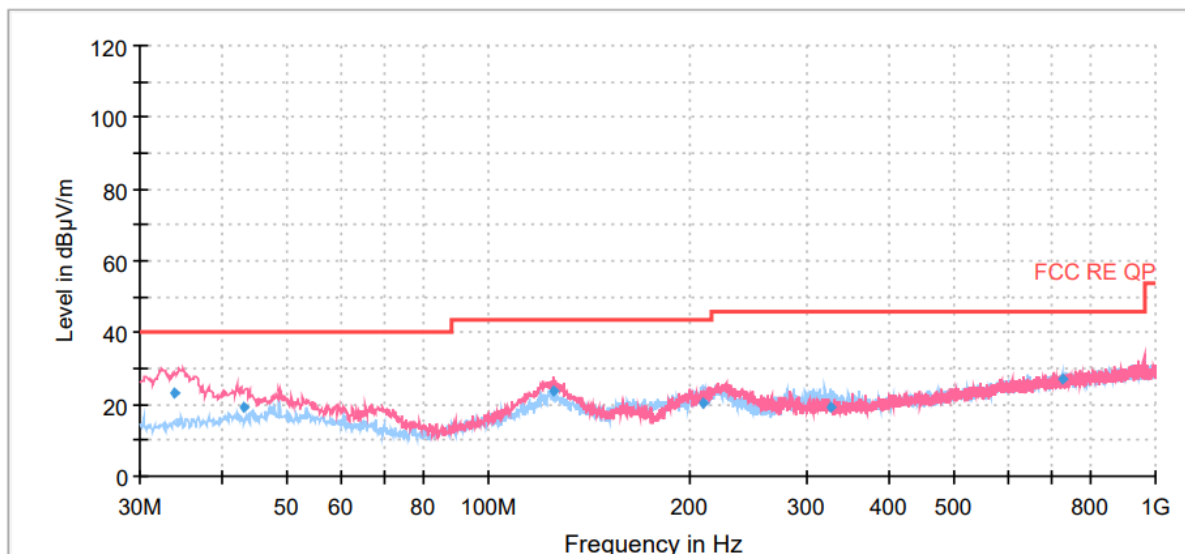


Radiates Emission from 30MHz to 1GHz

Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
33.85	23.10	40.00	16.90	1000.00	100.0	V	0.00	18
43.05	19.24	40.00	20.76	1000.00	100.0	V	0.00	19
124.86	23.75	43.50	19.75	1000.00	100.0	V	158.00	16
208.85	20.36	43.50	23.14	1000.00	125.0	H	184.00	18
324.96	19.37	46.00	26.63	1000.00	100.0	H	76.00	22
722.90	27.25	46.00	18.75	1000.00	210.0	H	191.00	28

802.11b CH1

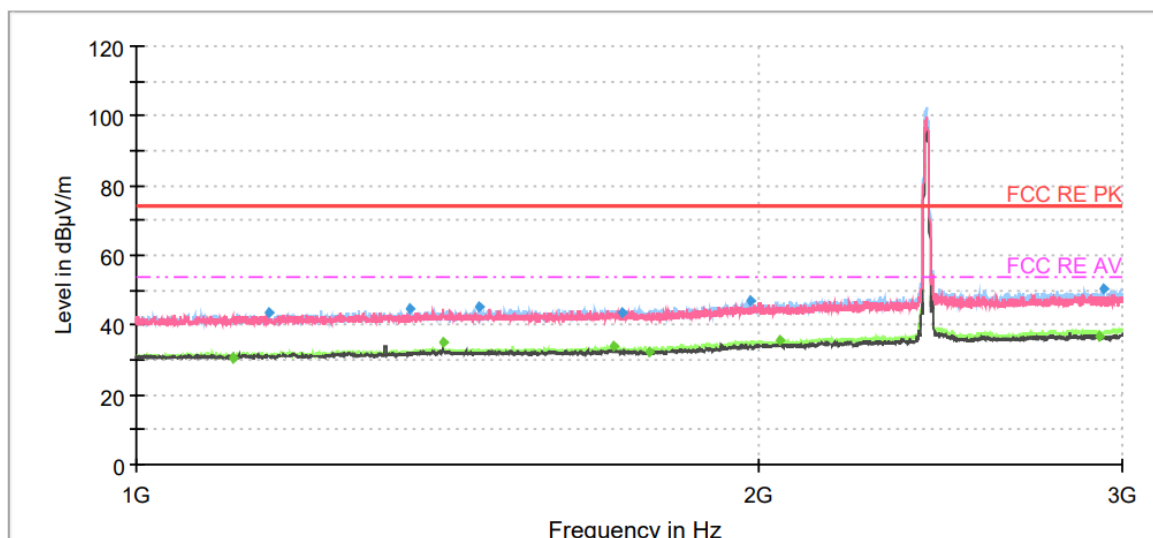


Note: The signal beyond the limit is carrier.

Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	QuasiPeak (dBμV/m)	DET 2 (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
33.85	23.10	---	40.00	16.90	1000.00	100.0	V	0.00	18
43.05	19.24	---	40.00	20.76	1000.00	100.0	V	0.00	19
124.86	23.75	---	43.50	19.75	1000.00	100.0	V	158.00	16
208.85	20.36	---	43.50	23.14	1000.00	125.0	H	184.00	18
324.96	19.37	---	46.00	26.63	1000.00	100.0	H	76.00	22
722.90	27.25	---	46.00	18.75	1000.00	210.0	H	191.00	28

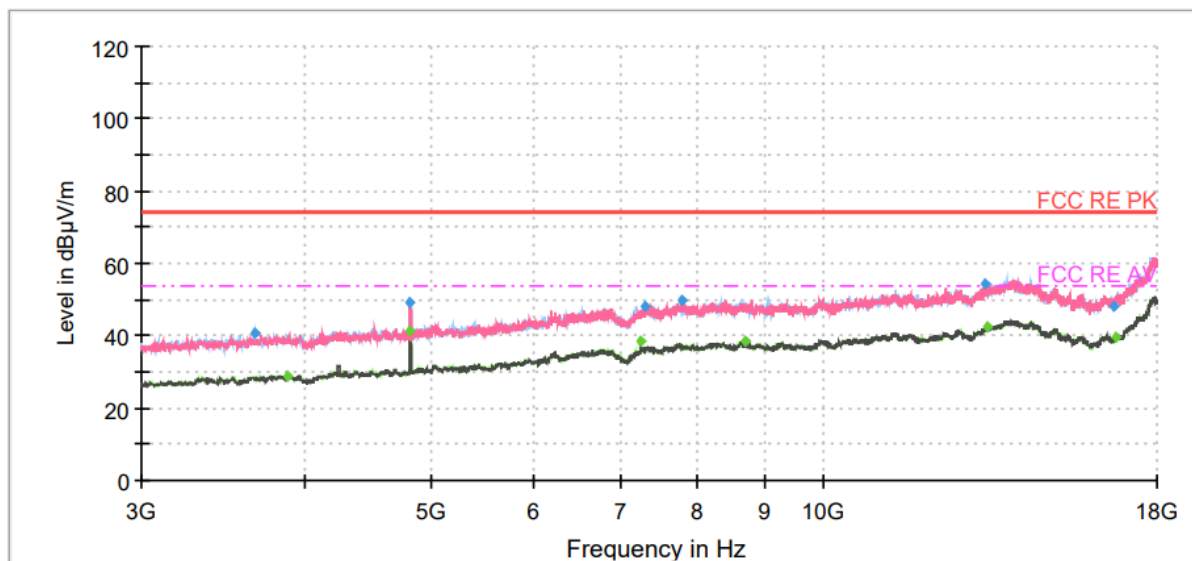
802.11b CH1



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

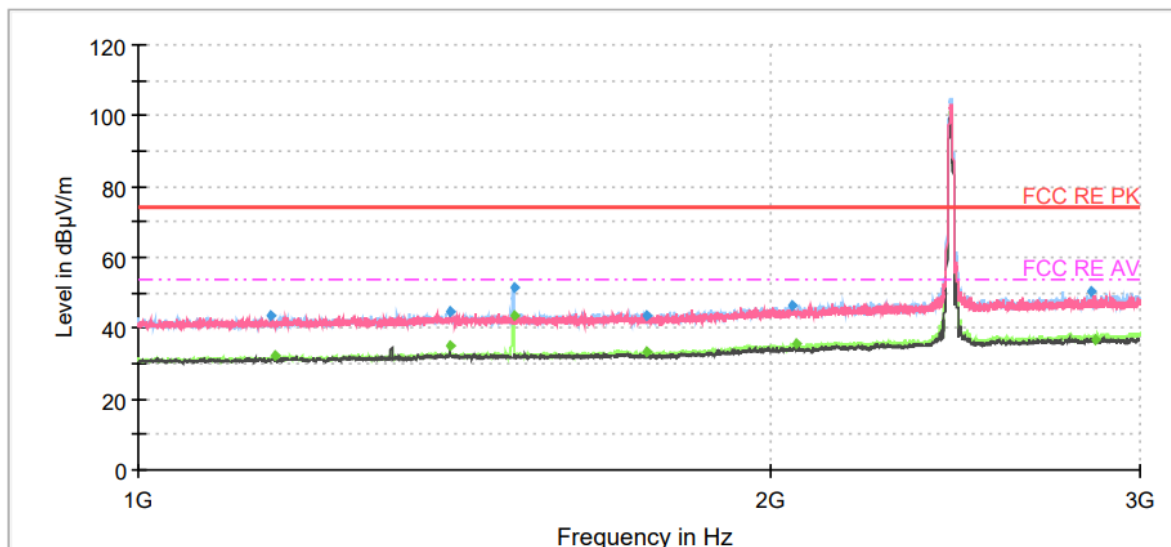
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1114.50	---	30.82	54.00	23.18	500.00	100.0	V	128.00	-5
1159.50	43.34	---	74.00	30.66	500.00	200.0	H	0.00	-4
1355.75	44.71	---	74.00	29.29	500.00	100.0	H	353.00	-3
1407.75	---	35.15	54.00	18.85	500.00	200.0	H	6.00	-3
1464.50	45.52	---	74.00	28.48	500.00	200.0	H	45.00	-3
1700.50	---	33.79	54.00	20.21	500.00	200.0	H	8.00	-2
1719.75	43.44	---	74.00	30.56	500.00	200.0	H	2.00	-2
1769.25	---	32.28	54.00	21.72	500.00	200.0	H	21.00	-2
1980.25	47.22	---	74.00	26.78	500.00	200.0	H	4.00	0
2048.75	---	35.73	54.00	18.27	500.00	200.0	H	36.00	1
2920.75	---	36.94	54.00	17.06	500.00	200.0	V	0.00	3
2936.50	50.17	---	74.00	23.83	500.00	200.0	H	112.00	3



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)
3658.13	40.54	---	74.00	33.46	500.00	200.0	H	333.00	-5
3883.13	---	29.09	54.00	24.91	500.00	100.0	V	356.00	-4
4822.50	---	41.16	54.00	12.84	500.00	100.0	H	35.00	-2
4822.50	49.50	---	74.00	24.50	500.00	100.0	H	35.00	-2
7235.63	---	38.61	54.00	15.39	500.00	100.0	V	25.00	5
7290.00	48.04	---	74.00	25.96	500.00	200.0	V	0.00	6
7786.88	49.88	---	74.00	24.12	500.00	200.0	V	26.00	6
8700.00	---	38.52	54.00	15.48	500.00	100.0	V	325.00	7
13271.25	54.15	---	74.00	19.85	500.00	100.0	H	146.00	11
13318.13	---	42.62	54.00	11.38	500.00	200.0	H	353.00	11
16663.13	48.36	---	74.00	25.64	500.00	100.0	H	27.00	9
16749.38	---	39.84	54.00	14.16	500.00	100.0	H	2.00	10

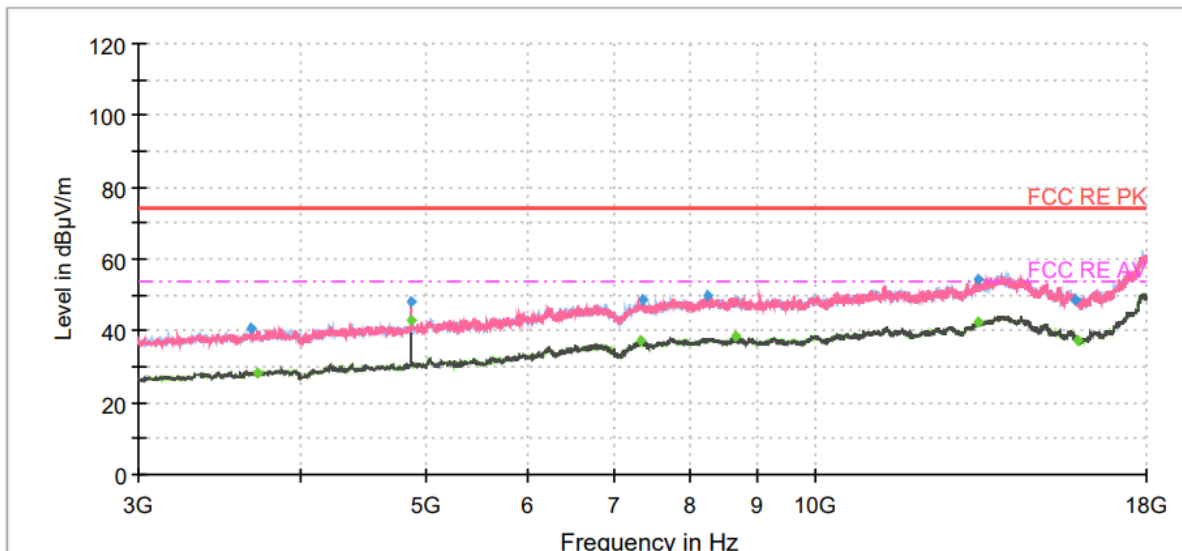
802.11b CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

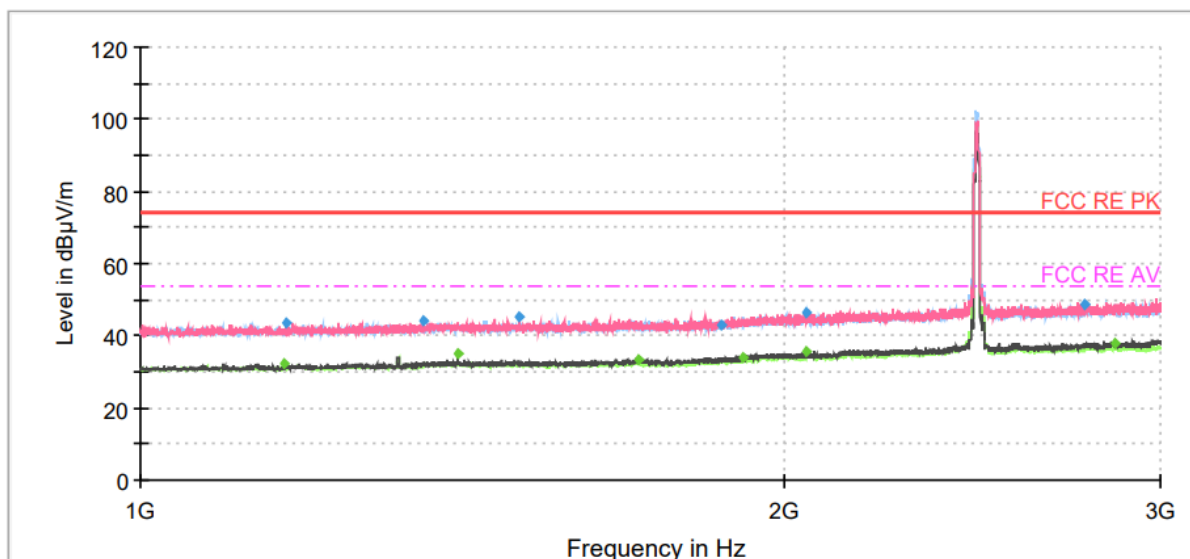
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1157.25	43.50	---	74.00	30.50	500.00	100.0	V	11.00	-4
1162.50	---	32.35	54.00	21.65	500.00	100.0	H	359.00	-4
1408.00	---	34.97	54.00	19.03	500.00	100.0	V	139.00	-3
1408.25	44.79	---	74.00	29.21	500.00	100.0	V	0.00	-3
1509.25	51.53	---	74.00	22.47	500.00	100.0	H	109.00	-3
1509.50	---	43.46	54.00	10.54	500.00	100.0	H	109.00	-3
1744.50	---	33.37	54.00	20.63	500.00	100.0	H	358.00	-2
1747.00	43.83	---	74.00	30.17	500.00	100.0	V	2.00	-2
2045.75	46.69	---	74.00	27.31	500.00	100.0	H	0.00	1
2058.25	---	35.61	54.00	18.39	500.00	100.0	H	358.00	1
2841.75	50.38	---	74.00	23.62	500.00	100.0	H	358.00	3
2857.75	---	36.69	54.00	17.31	500.00	200.0	V	341.00	3



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)
3660.00	40.76	---	74.00	33.24	500.00	100.0	V	13.00	-5
3712.50	---	28.43	54.00	25.57	500.00	200.0	H	358.00	-5
4873.13	---	42.87	54.00	11.13	500.00	100.0	H	14.00	-1
4873.13	48.14	---	74.00	25.86	500.00	100.0	H	14.00	-1
7323.75	---	37.22	54.00	16.78	500.00	100.0	V	82.00	5
7346.25	48.61	---	74.00	25.39	500.00	100.0	V	351.00	5
8261.25	50.04	---	74.00	23.96	500.00	200.0	H	98.00	6
8660.63	---	38.27	54.00	15.73	500.00	100.0	V	257.00	7
13314.38	54.06	---	74.00	19.94	500.00	200.0	V	17.00	11
13335.00	---	42.39	54.00	11.61	500.00	200.0	H	356.00	11
15843.75	48.86	---	74.00	25.14	500.00	200.0	H	343.00	7
15928.13	---	37.28	54.00	16.72	500.00	100.0	H	0.00	7

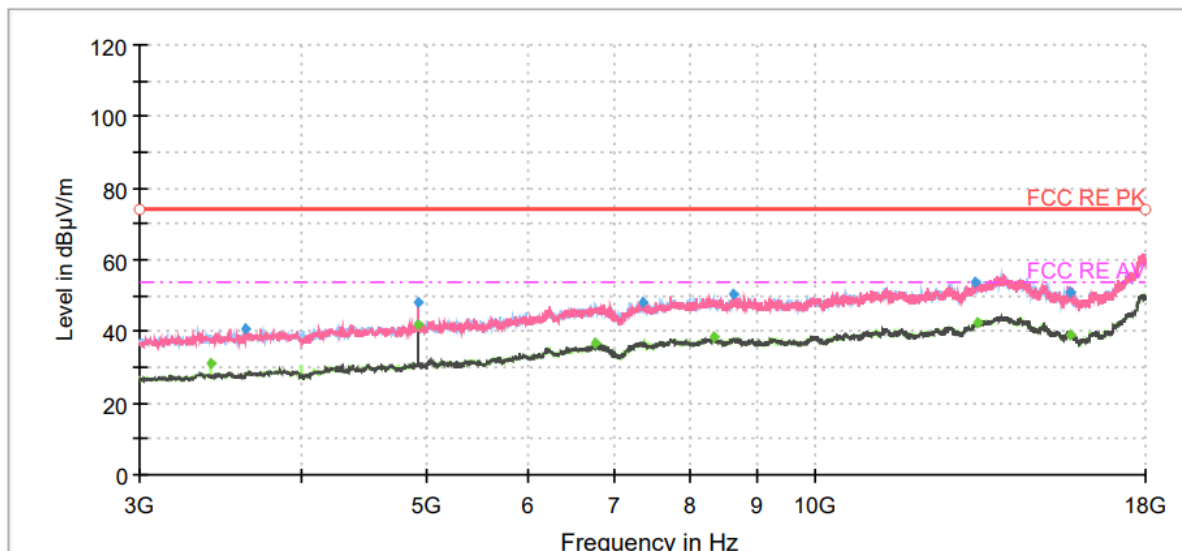
802.11b CH11



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

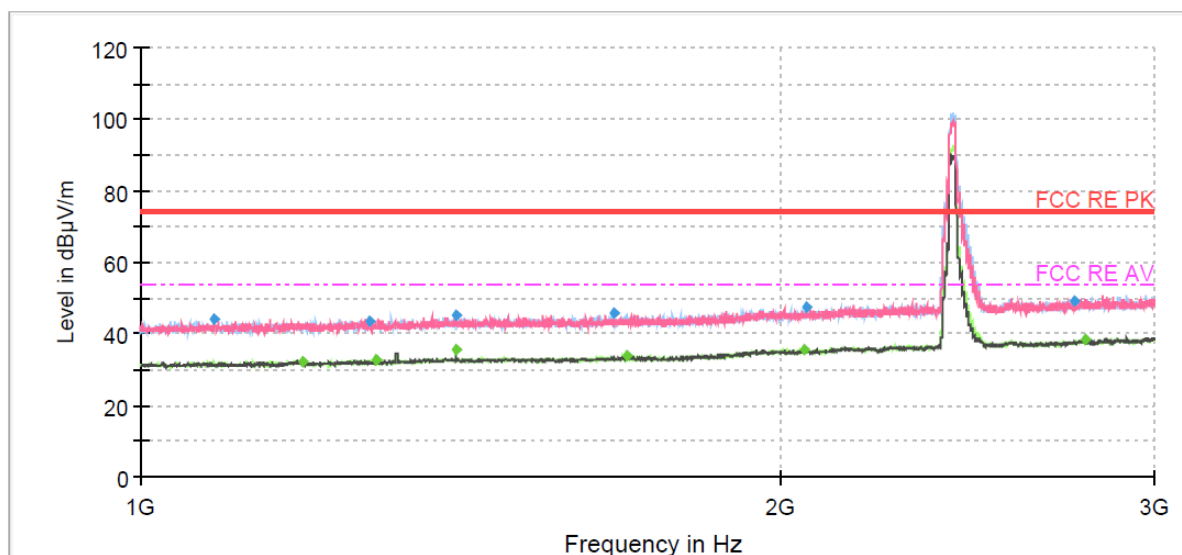
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1167.00	---	32.04	54.00	21.96	500.00	200.0	V	0.00	-4
1169.00	43.46	---	74.00	30.54	500.00	100.0	V	120.00	-4
1355.75	44.32	---	74.00	29.68	500.00	200.0	V	0.00	-3
1407.75	---	35.24	54.00	18.76	500.00	100.0	V	356.00	-3
1502.25	45.25	---	74.00	28.75	500.00	200.0	V	2.00	-2
1708.50	---	33.62	54.00	20.38	500.00	200.0	V	4.00	-2
1870.50	42.76	---	74.00	31.24	500.00	200.0	H	272.00	-1
1913.00	---	33.96	54.00	20.04	500.00	200.0	V	0.00	0
2045.50	46.18	---	74.00	27.82	500.00	200.0	H	158.00	1
2047.75	---	35.44	54.00	18.56	500.00	200.0	V	0.00	1
2761.00	48.70	---	74.00	25.30	500.00	200.0	V	0.00	3
2855.25	---	37.67	54.00	16.33	500.00	200.0	V	0.00	3



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)
3403.13	---	30.98	54.00	23.02	500.00	200.0	H	358.00	-6
3624.38	40.70	---	74.00	33.30	500.00	100.0	V	113.00	-5
4923.75	---	41.86	54.00	12.14	500.00	100.0	V	287.00	-1
4923.75	48.01	---	74.00	25.99	500.00	100.0	H	33.00	-1
6761.25	---	36.98	54.00	17.02	500.00	200.0	H	340.00	4
7348.13	48.12	---	74.00	25.88	500.00	100.0	V	0.00	5
8349.38	---	38.31	54.00	15.69	500.00	100.0	H	79.00	6
8623.13	50.36	---	74.00	23.65	500.00	100.0	V	338.00	7
13299.38	53.61	---	74.00	20.39	500.00	100.0	V	98.00	11
13335.00	---	42.41	54.00	11.59	500.00	200.0	V	44.00	11
15736.88	---	39.10	54.00	14.90	500.00	200.0	H	312.00	8
15755.63	50.90	---	74.00	23.10	500.00	200.0	H	0.00	8

802.11g CH1

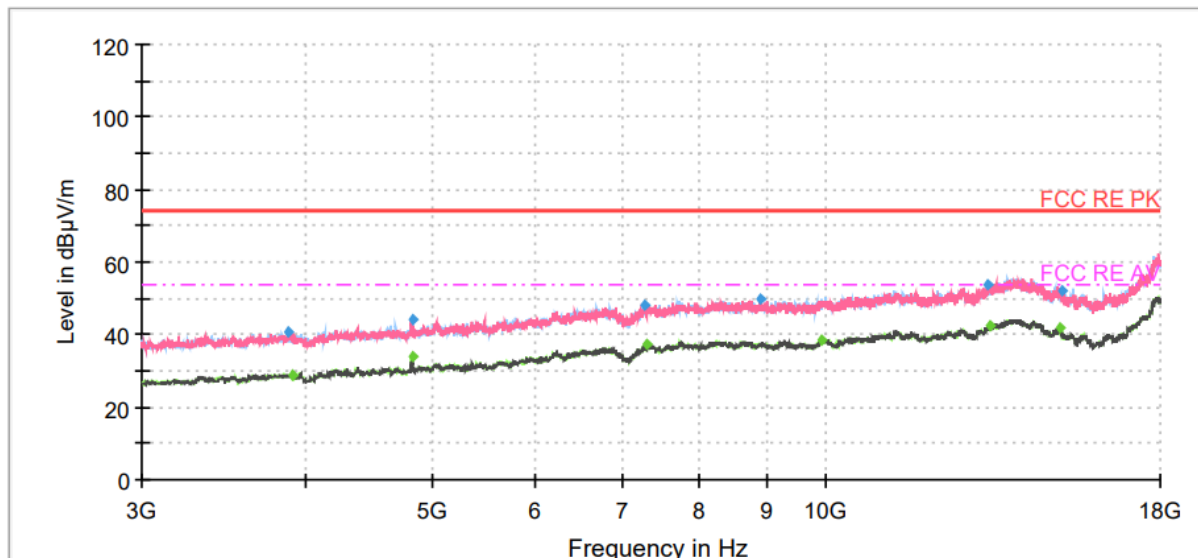


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Final Result

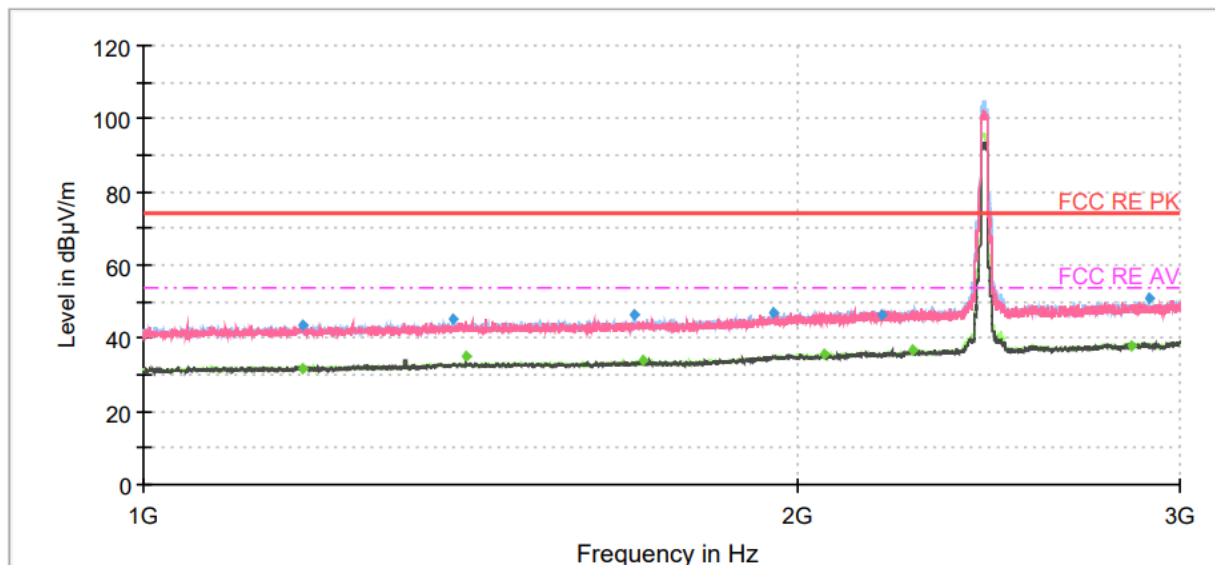
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1083.50	43.94	---	74.00	30.06	500.00	100.0	V	0.00	-5
1191.75	---	32.35	54.00	21.65	500.00	200.0	H	73.00	-4
1282.00	43.65	---	74.00	30.35	500.00	100.0	H	114.00	-4
1290.00	---	32.65	54.00	21.35	500.00	200.0	V	123.00	-4
1408.00	---	35.38	54.00	18.62	500.00	100.0	V	20.00	-3
1408.75	45.54	---	74.00	28.46	500.00	100.0	V	27.00	-3
1671.00	45.93	---	74.00	28.07	500.00	200.0	H	10.00	-2
1694.25	---	33.90	54.00	20.10	500.00	200.0	V	252.00	-2
2054.25	---	35.72	54.00	18.28	500.00	200.0	H	116.00	1
2056.00	47.60	---	74.00	26.40	500.00	200.0	H	0.00	1
2751.50	48.98	---	74.00	25.02	500.00	200.0	V	354.00	3
2780.75	---	38.35	54.00	15.65	500.00	100.0	H	359.00	3



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)
3886.88	40.49	---	74.00	33.51	500.00	200.0	H	65.00	-4
3907.50	---	28.91	54.00	25.09	500.00	200.0	H	292.00	-4
4824.38	---	33.70	54.00	20.30	500.00	100.0	H	35.00	-2
4824.38	43.95	---	74.00	30.05	500.00	100.0	H	35.00	-2
7263.75	48.28	---	74.00	25.72	500.00	200.0	H	155.00	5
7301.25	---	37.09	54.00	16.91	500.00	100.0	H	35.00	6
8896.88	49.63	---	74.00	24.37	500.00	200.0	V	32.00	6
9903.75	---	38.57	54.00	15.43	500.00	200.0	H	346.00	7
13305.00	54.03	---	74.00	19.97	500.00	100.0	H	3.00	11
13348.13	---	42.36	54.00	11.64	500.00	200.0	V	24.00	11
15073.13	---	41.74	54.00	12.26	500.00	200.0	V	0.00	10
15112.50	51.87	---	74.00	22.13	500.00	200.0	H	201.00	9

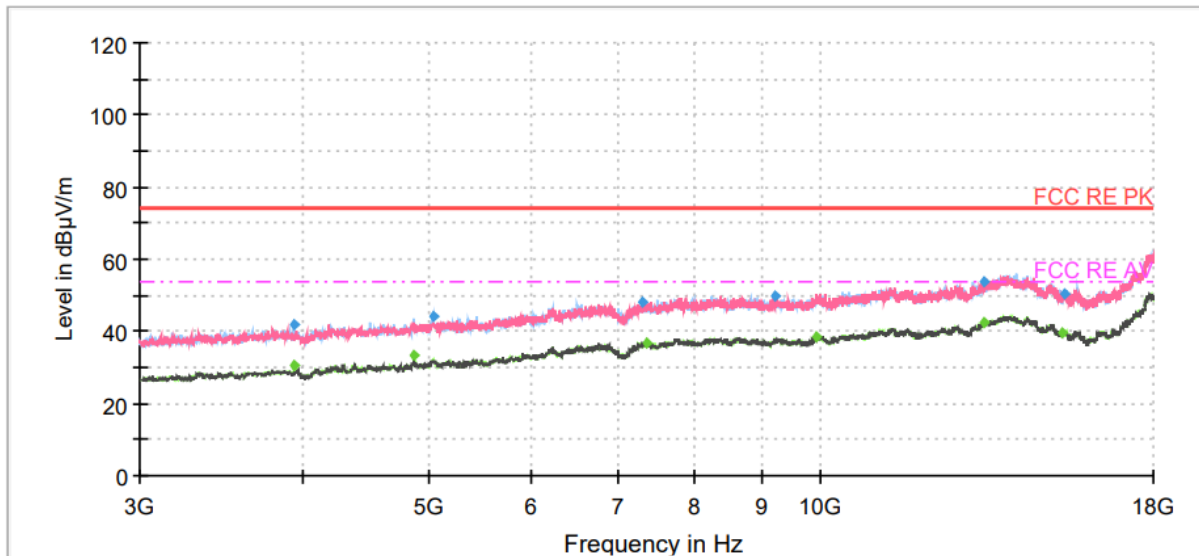
802.11g CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

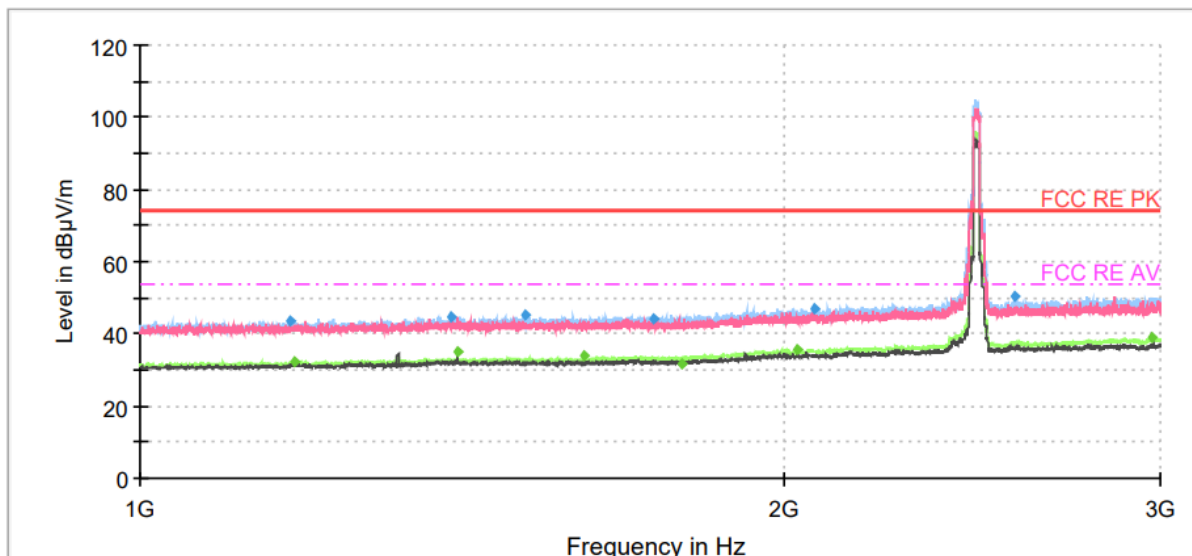
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1183.25	43.67	---	74.00	30.33	500.00	200.0	V	214.00	-4
1183.75	---	31.76	54.00	22.24	500.00	100.0	H	349.00	-4
1389.25	45.42	---	74.00	28.58	500.00	100.0	H	305.00	-3
1408.00	---	35.27	54.00	18.73	500.00	200.0	H	158.00	-3
1684.00	46.44	---	74.00	27.56	500.00	200.0	H	10.00	-2
1698.75	---	34.05	54.00	19.95	500.00	100.0	H	0.00	-2
1951.50	47.05	---	74.00	26.95	500.00	200.0	V	316.00	0
2057.25	---	35.74	54.00	18.26	500.00	200.0	H	0.00	1
2186.00	46.28	---	74.00	27.72	500.00	200.0	H	100.00	1
2257.00	---	36.52	54.00	17.48	500.00	100.0	H	166.00	2
2847.75	---	37.99	54.00	16.01	500.00	200.0	H	201.00	3
2901.75	51.10	---	74.00	22.90	500.00	100.0	H	305.00	3



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)
3946.88	41.87	---	74.00	32.13	500.00	100.0	H	146.00	-4
3948.75	---	30.29	54.00	23.71	500.00	100.0	H	146.00	-4
4873.13	---	33.26	54.00	20.74	500.00	100.0	H	18.00	-1
5032.50	44.12	---	74.00	29.88	500.00	200.0	H	301.00	0
7291.88	48.08	---	74.00	25.92	500.00	200.0	V	134.00	6
7342.50	---	36.96	54.00	17.04	500.00	100.0	V	131.00	5
9228.75	50.05	---	74.00	23.95	500.00	100.0	V	131.00	7
9905.63	---	38.34	54.00	15.66	500.00	100.0	H	1.00	7
13331.25	---	42.54	54.00	11.46	500.00	200.0	H	313.00	11
13338.75	53.81	---	74.00	20.19	500.00	100.0	H	0.00	11
15341.25	---	39.78	54.00	14.22	500.00	200.0	H	227.00	9
15391.88	50.60	---	74.00	23.40	500.00	100.0	H	18.00	9

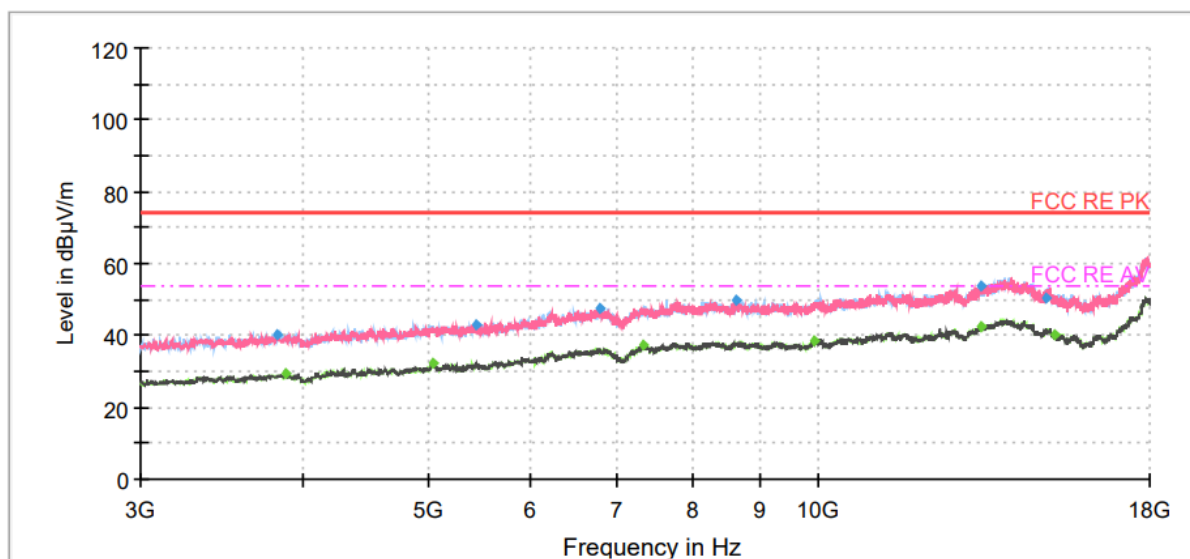
802.11g CH11



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

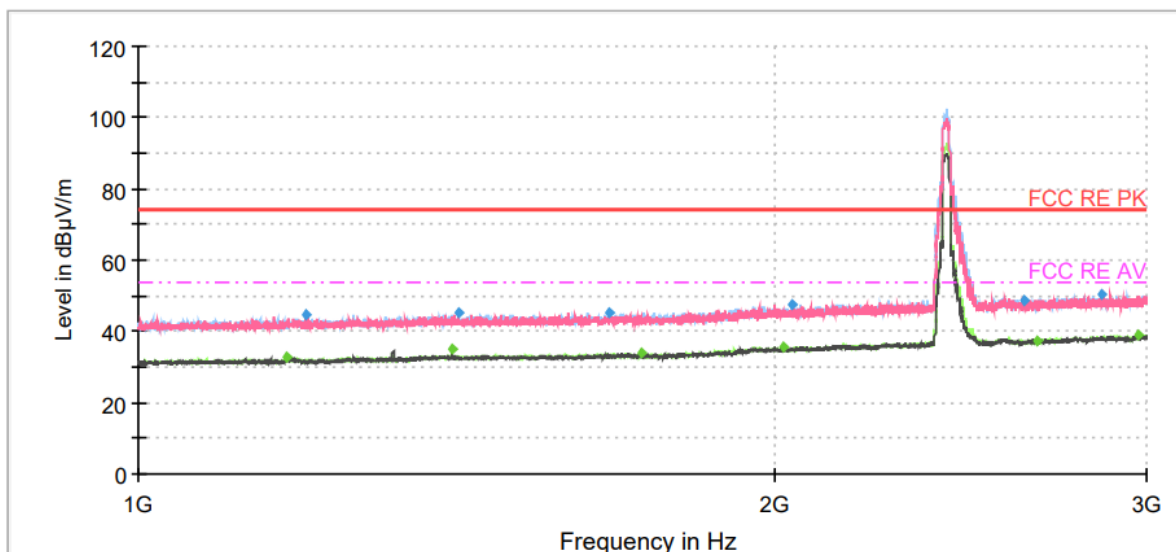
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1176.25	43.86	---	74.00	30.14	500.00	200.0	H	341.00	-4
1181.00	---	32.24	54.00	21.76	500.00	100.0	H	6.00	-4
1397.75	44.79	---	74.00	29.21	500.00	200.0	H	319.00	-3
1408.00	---	35.17	54.00	18.83	500.00	100.0	V	0.00	-3
1513.75	45.12	---	74.00	28.88	500.00	100.0	H	9.00	-3
1612.25	---	33.99	54.00	20.01	500.00	200.0	H	244.00	-2
1738.00	44.21	---	74.00	29.79	500.00	100.0	H	1.00	-2
1790.50	---	31.76	54.00	22.24	500.00	200.0	V	6.00	-1
2031.00	---	35.79	54.00	18.21	500.00	200.0	H	258.00	0
2065.25	46.96	---	74.00	27.04	500.00	100.0	H	17.00	1
2564.50	50.64	---	74.00	23.36	500.00	100.0	H	1.00	3
2972.00	---	39.05	54.00	14.95	500.00	200.0	H	335.00	4



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)
3828.75	40.42	---	74.00	33.58	500.00	200.0	V	1.00	-4
3888.75	---	29.31	54.00	24.69	500.00	200.0	H	353.00	-4
5040.00	---	32.32	54.00	21.68	500.00	100.0	H	30.00	0
5437.50	43.23	---	74.00	30.77	500.00	100.0	H	38.00	0
6772.50	47.73	---	74.00	26.27	500.00	100.0	V	37.00	4
7306.88	---	37.12	54.00	16.88	500.00	100.0	H	3.00	5
8636.25	49.83	---	74.00	24.17	500.00	100.0	H	3.00	7
9901.88	---	38.34	54.00	15.66	500.00	100.0	H	118.00	7
13321.88	53.89	---	74.00	20.11	500.00	200.0	H	357.00	11
13333.13	---	42.73	54.00	11.27	500.00	200.0	V	6.00	11
14956.88	50.61	---	74.00	23.39	500.00	200.0	H	98.00	10
15206.25	---	40.31	54.00	13.69	500.00	200.0	H	301.00	9

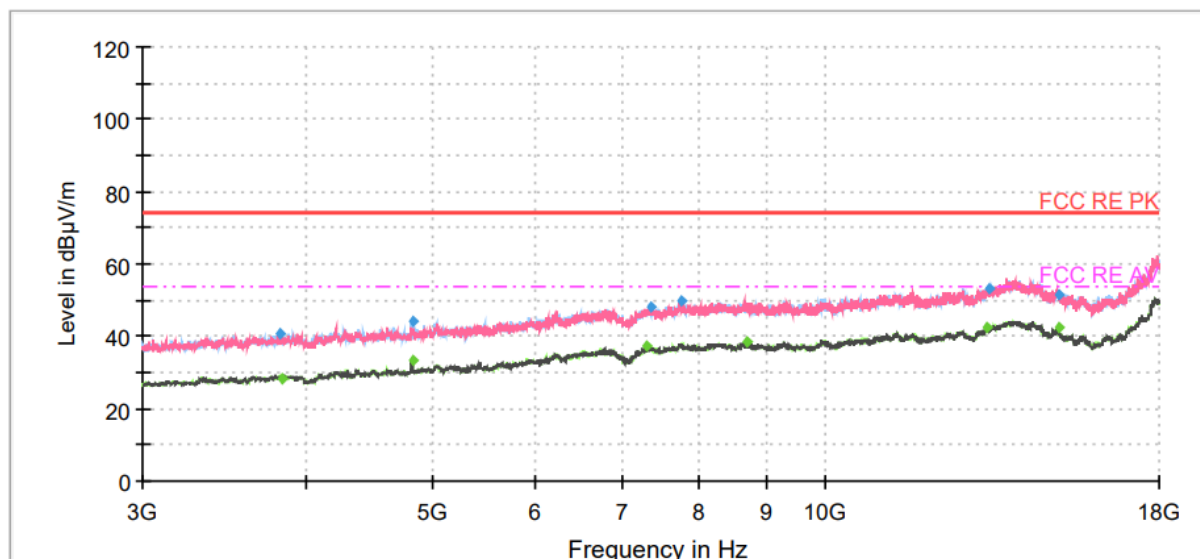
802.11n (HT20) CH1



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

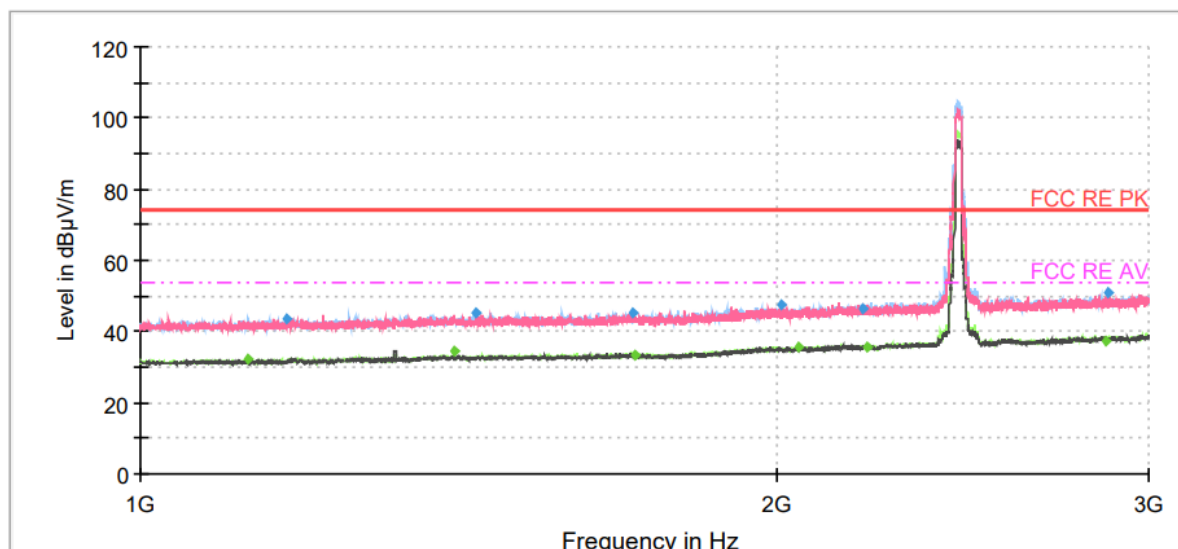
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1175.50	---	32.82	54.00	21.18	500.00	200.0	V	334.00	-4
1200.50	44.77	---	74.00	29.23	500.00	200.0	V	350.00	-4
1408.00	---	35.21	54.00	18.79	500.00	100.0	V	15.00	-3
1418.75	45.03	---	74.00	28.97	500.00	200.0	V	150.00	-3
1670.00	45.54	---	74.00	28.46	500.00	200.0	V	326.00	-2
1728.00	---	33.82	54.00	20.18	500.00	100.0	H	332.00	-2
2019.75	---	35.87	54.00	18.13	500.00	200.0	V	317.00	0
2036.25	47.77	---	74.00	26.23	500.00	200.0	H	338.00	0
2624.50	48.66	---	74.00	25.34	500.00	100.0	H	356.00	2
2661.00	---	37.37	54.00	16.63	500.00	100.0	H	338.00	3
2853.25	50.55	---	74.00	23.45	500.00	200.0	V	226.00	3
2973.25	---	39.21	54.00	14.79	500.00	200.0	H	27.00	4



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)
3821.25	40.71	---	74.00	33.29	500.00	200.0	H	0.00	-5
3834.38	---	28.13	54.00	25.87	500.00	200.0	V	42.00	-4
4824.38	---	33.64	54.00	20.36	500.00	100.0	H	43.00	-2
4828.13	44.25	---	74.00	29.75	500.00	100.0	H	43.00	-2
7297.50	---	37.25	54.00	16.75	500.00	100.0	H	4.00	6
7346.25	48.27	---	74.00	25.73	500.00	100.0	V	198.00	5
7762.50	50.04	---	74.00	23.96	500.00	100.0	V	356.00	6
8700.00	---	38.40	54.00	15.60	500.00	100.0	H	1.00	7
13278.75	---	42.56	54.00	11.44	500.00	200.0	V	6.00	11
13350.00	53.49	---	74.00	20.51	500.00	100.0	H	96.00	11
15063.75	---	42.33	54.00	11.67	500.00	100.0	H	66.00	10
15108.75	51.26	---	74.00	22.74	500.00	200.0	H	290.00	9

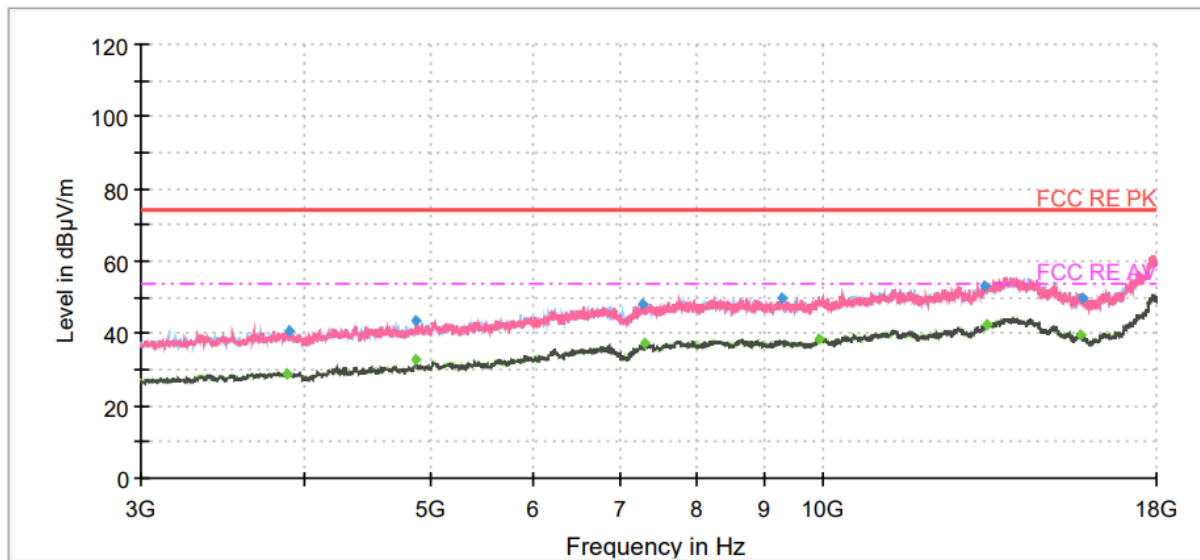
802.11n (HT20) CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

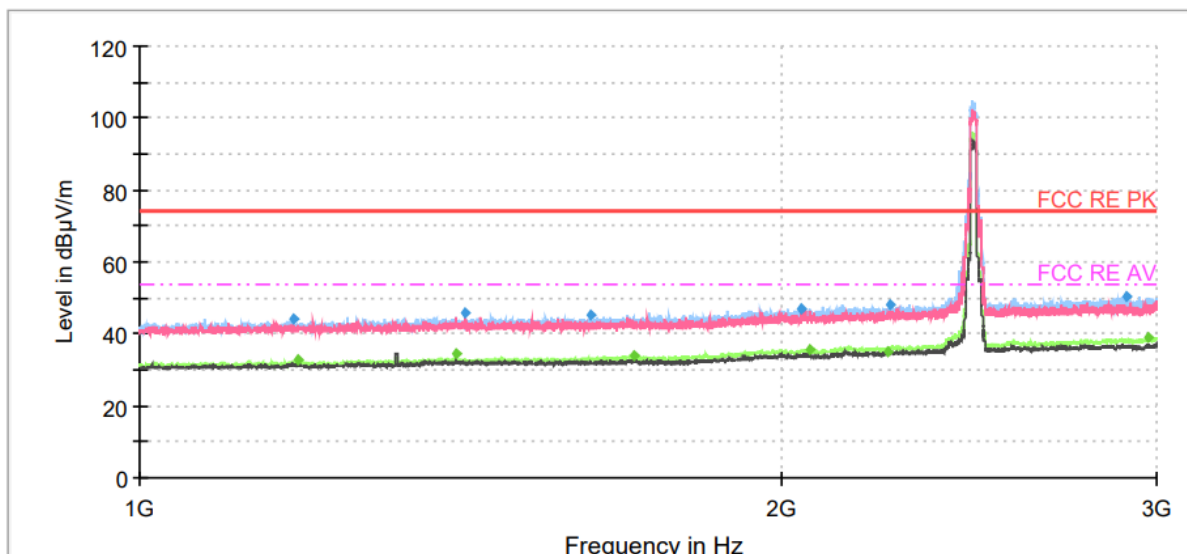
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1125.50	---	32.40	54.00	21.60	500.00	100.0	H	327.00	-4
1173.75	43.85	---	74.00	30.15	500.00	200.0	H	138.00	-4
1408.00	---	34.81	54.00	19.19	500.00	100.0	V	39.00	-3
1441.75	45.02	---	74.00	28.98	500.00	200.0	V	123.00	-3
1711.25	45.38	---	74.00	28.62	500.00	200.0	V	224.00	-2
1713.25	---	33.47	54.00	20.53	500.00	100.0	H	77.00	-2
2008.75	47.32	---	74.00	26.68	500.00	200.0	H	2.00	0
2047.75	---	35.69	54.00	18.31	500.00	200.0	V	354.00	1
2196.00	46.69	---	74.00	27.31	500.00	100.0	H	207.00	1
2206.00	---	35.54	54.00	18.46	500.00	200.0	H	22.00	1
2864.50	---	37.63	54.00	16.37	500.00	100.0	H	358.00	3
2870.50	50.76	---	74.00	23.24	500.00	200.0	H	16.00	3



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)
3881.25	---	28.96	54.00	25.04	500.00	100.0	H	354.00	-4
3898.13	40.90	---	74.00	33.10	500.00	100.0	H	81.00	-4
4873.13	43.84	---	74.00	30.16	500.00	200.0	H	302.00	-1
4875.00	---	32.87	54.00	21.13	500.00	200.0	H	0.00	-1
7261.88	48.09	---	74.00	25.91	500.00	200.0	V	0.00	5
7301.25	---	37.26	54.00	16.74	500.00	200.0	H	345.00	6
9301.88	49.59	---	74.00	24.41	500.00	200.0	V	36.00	7
9903.75	---	38.50	54.00	15.50	500.00	100.0	H	347.00	7
13291.88	53.33	---	74.00	20.67	500.00	200.0	H	210.00	11
13335.00	---	42.72	54.00	11.28	500.00	200.0	V	293.00	11
15751.88	---	39.82	54.00	14.18	500.00	200.0	H	210.00	8
15817.50	49.99	---	74.00	24.01	500.00	100.0	V	131.00	7

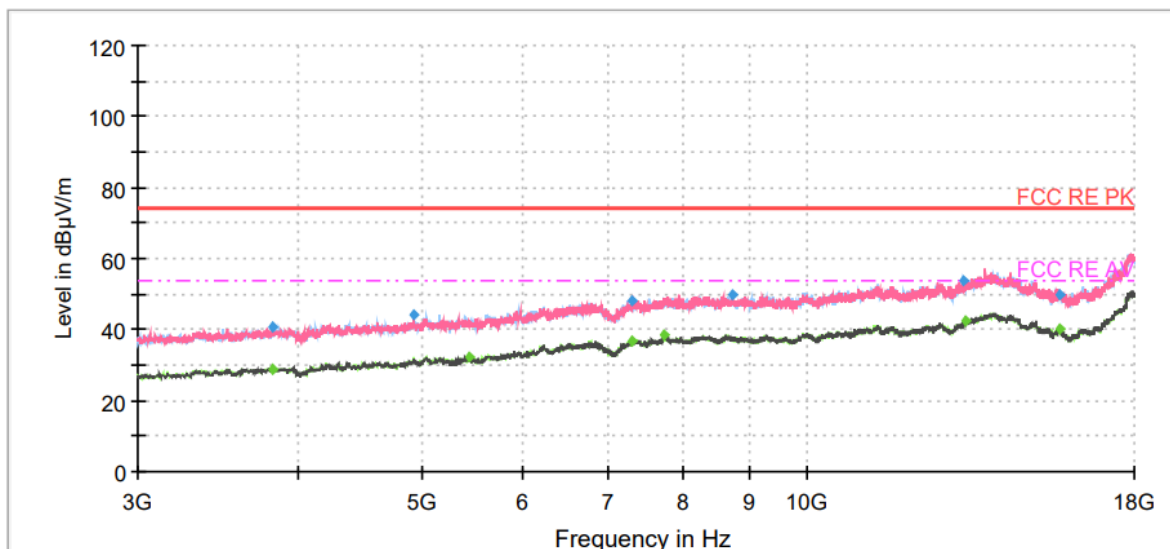
802.11n (HT20) CH11



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

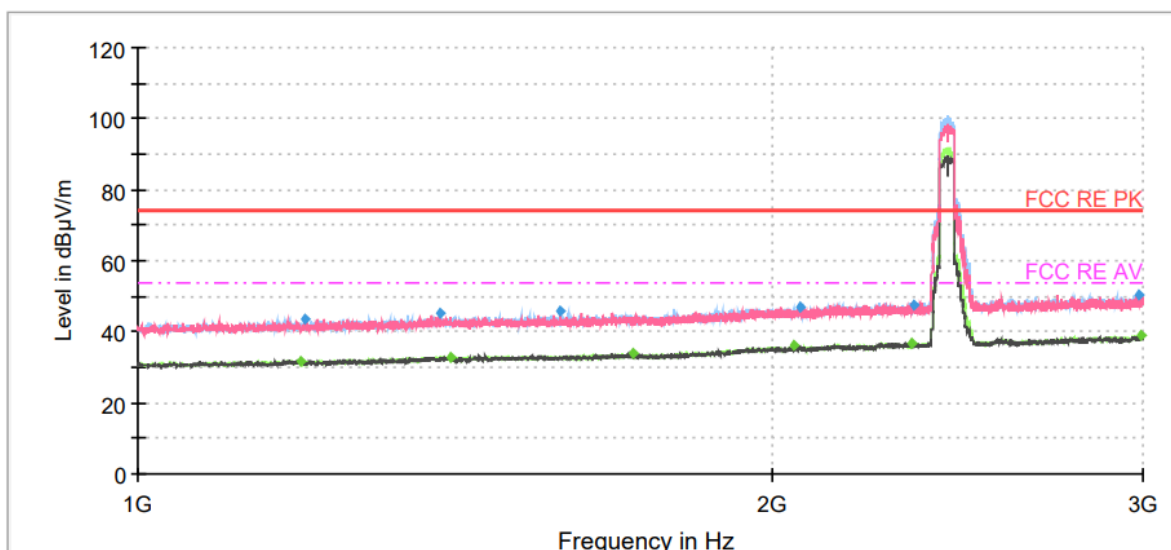
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1180.00	44.09	---	74.00	29.91	500.00	100.0	H	358.00	-4
1185.25	---	32.67	54.00	21.33	500.00	200.0	H	0.00	-4
1408.00	---	34.72	54.00	19.28	500.00	100.0	V	24.00	-3
1420.25	45.77	---	74.00	28.23	500.00	100.0	H	321.00	-3
1628.75	45.18	---	74.00	28.83	500.00	200.0	H	12.00	-2
1704.00	---	33.93	54.00	20.07	500.00	200.0	H	282.00	-2
2044.00	47.13	---	74.00	26.87	500.00	200.0	V	32.00	1
2061.50	---	35.78	54.00	18.22	500.00	200.0	H	21.00	1
2241.50	---	35.00	54.00	19.00	500.00	200.0	V	230.00	1
2248.00	47.87	---	74.00	26.13	500.00	200.0	H	1.00	1
2905.25	50.56	---	74.00	23.44	500.00	200.0	H	125.00	3
2972.75	---	39.08	54.00	14.92	500.00	100.0	H	330.00	4



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)
3821.25	40.61	---	74.00	33.39	500.00	200.0	H	272.00	-5
3825.00	---	28.74	54.00	25.26	500.00	100.0	H	3.00	-5
4929.38	43.91	---	74.00	30.09	500.00	100.0	H	20.00	-1
5441.25	---	32.29	54.00	21.71	500.00	200.0	H	84.00	0
7299.38	---	36.86	54.00	17.14	500.00	200.0	V	4.00	6
7303.13	48.18	---	74.00	25.82	500.00	100.0	V	0.00	6
7730.63	---	38.36	54.00	15.64	500.00	200.0	V	321.00	6
8733.75	49.90	---	74.00	24.10	500.00	200.0	V	28.00	7
13245.00	53.96	---	74.00	20.04	500.00	200.0	H	226.00	11
13288.13	---	42.65	54.00	11.35	500.00	100.0	H	346.00	11
15721.88	---	40.19	54.00	13.81	500.00	200.0	V	116.00	8
15755.63	49.73	---	74.00	24.27	500.00	100.0	H	86.00	8

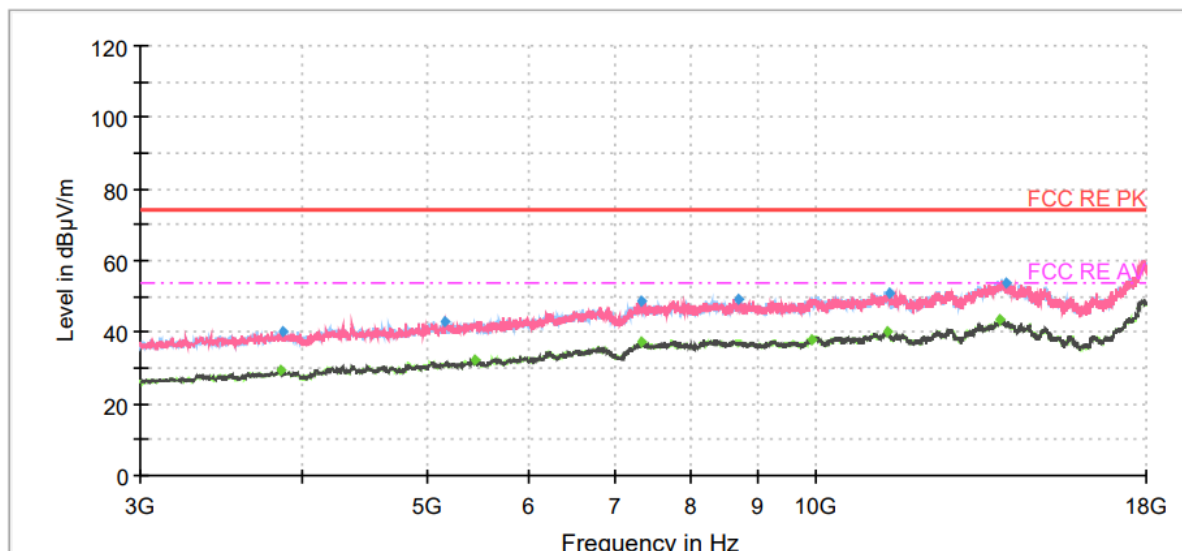
802.11n (HT40) CH3



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

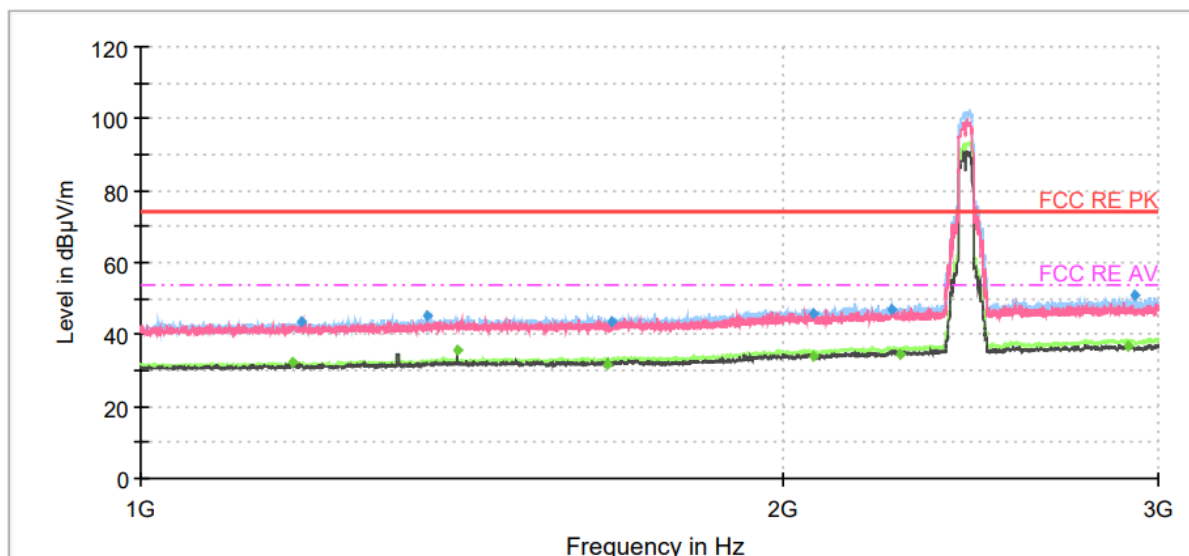
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1195.50	---	31.98	54.00	22.02	500.00	100.0	V	37.00	-4
1200.75	43.65	---	74.00	30.35	500.00	200.0	V	353.00	-4
1391.75	45.09	---	74.00	28.91	500.00	100.0	H	354.00	-3
1408.50	---	33.07	54.00	20.93	500.00	200.0	H	0.00	-3
1585.50	45.87	---	74.00	28.13	500.00	200.0	V	357.00	-2
1716.25	---	33.85	54.00	20.15	500.00	200.0	V	358.00	-2
2049.50	---	36.21	54.00	17.79	500.00	100.0	H	349.00	1
2064.00	47.23	---	74.00	26.77	500.00	100.0	V	5.00	1
2328.00	---	36.56	54.00	17.44	500.00	100.0	H	287.00	2
2332.25	47.51	---	74.00	26.49	500.00	200.0	H	1.00	2
2985.00	50.32	---	74.00	23.68	500.00	100.0	H	205.00	4
2993.50	---	39.00	54.00	15.00	500.00	100.0	H	190.00	4



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)
3845.63	---	29.60	54.00	24.40	500.00	200.0	H	66.00	-4
3870.00	40.21	---	74.00	33.79	500.00	100.0	H	0.00	-4
5150.63	42.83	---	74.00	31.17	500.00	200.0	V	51.00	0
5450.63	---	32.25	54.00	21.75	500.00	100.0	V	2.00	0
7312.50	48.59	---	74.00	25.41	500.00	100.0	V	216.00	5
7318.13	---	37.23	54.00	16.77	500.00	200.0	H	193.00	5
8703.75	49.49	---	74.00	24.51	500.00	100.0	H	0.00	7
9900.00	---	38.10	54.00	15.90	500.00	200.0	V	4.00	7
11343.75	---	40.12	54.00	13.88	500.00	100.0	H	223.00	9
11373.75	51.08	---	74.00	22.92	500.00	100.0	H	146.00	9
13873.13	---	43.52	54.00	10.48	500.00	100.0	H	270.00	12
14043.75	53.56	---	74.00	20.44	500.00	200.0	H	349.00	12

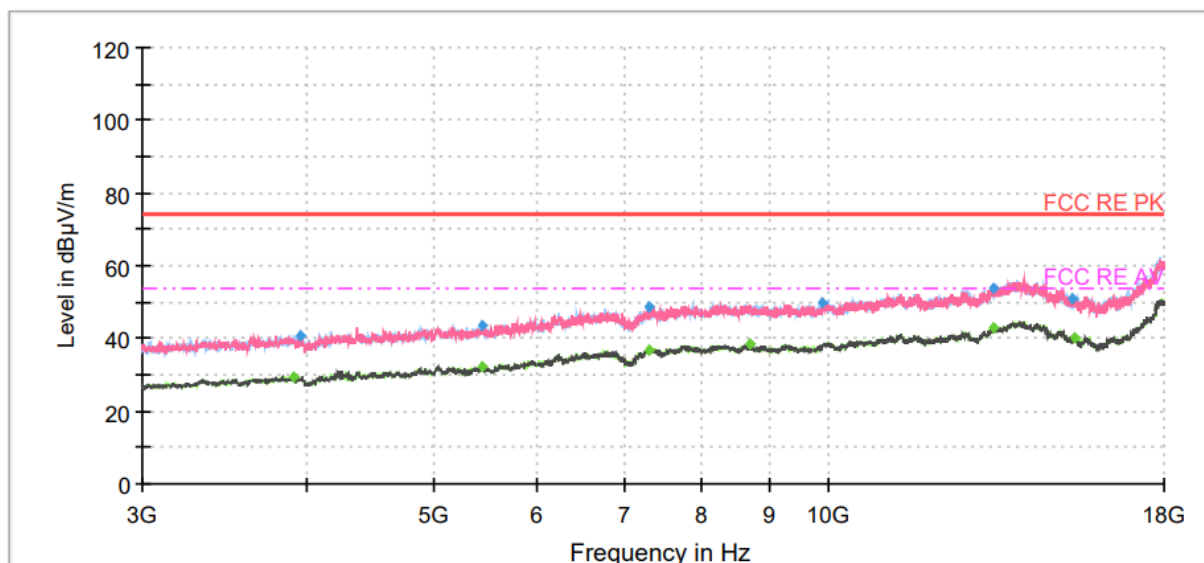
802.11n (HT40) CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

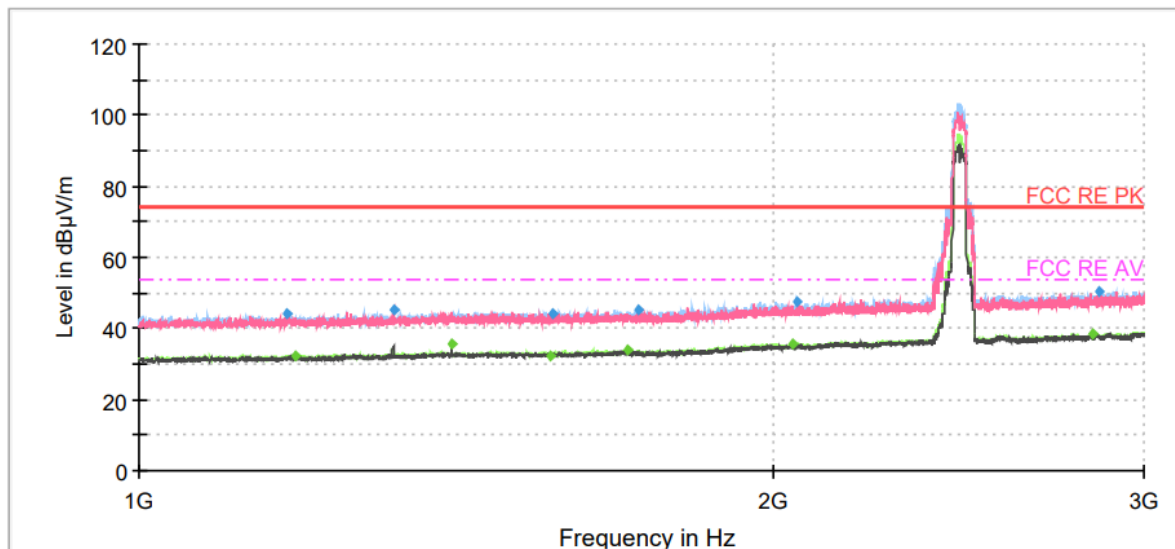
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1179.50	---	32.42	54.00	21.58	500.00	200.0	H	62.00	-4
1189.50	43.73	---	74.00	30.27	500.00	100.0	H	254.00	-4
1361.25	45.18	---	74.00	28.82	500.00	200.0	H	3.00	-3
1408.00	---	35.40	54.00	18.60	500.00	100.0	V	9.00	-3
1653.50	---	31.79	54.00	22.21	500.00	200.0	V	0.00	-2
1664.25	43.78	---	74.00	30.22	500.00	100.0	H	296.00	-2
2068.25	45.90	---	74.00	28.10	500.00	200.0	H	87.00	1
2068.50	---	33.80	54.00	20.20	500.00	200.0	V	2.00	1
2251.25	46.89	---	74.00	27.11	500.00	200.0	H	0.00	2
2271.25	---	34.32	54.00	19.68	500.00	100.0	V	3.00	2
2904.50	---	36.87	54.00	17.13	500.00	200.0	V	349.00	3
2921.75	50.70	---	74.00	23.30	500.00	100.0	H	350.00	3



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)
3915.00	---	29.22	54.00	24.78	500.00	200.0	H	0.00	-5
3950.63	40.93	---	74.00	33.07	500.00	200.0	V	100.00	-4
5446.88	43.40	---	74.00	30.60	500.00	200.0	H	274.00	0
5448.75	---	32.30	54.00	21.70	500.00	200.0	H	164.00	0
7303.13	---	37.01	54.00	16.99	500.00	100.0	V	321.00	6
7305.00	48.69	---	74.00	25.31	500.00	200.0	V	116.00	6
8692.50	---	38.49	54.00	15.51	500.00	100.0	V	255.00	7
9896.25	49.65	---	74.00	24.35	500.00	200.0	V	3.00	7
13310.63	---	42.76	54.00	11.24	500.00	200.0	V	100.00	11
13331.25	53.75	---	74.00	20.25	500.00	100.0	H	0.00	11
15343.13	50.74	---	74.00	23.26	500.00	200.0	V	0.00	9
15363.75	---	40.31	54.00	13.69	500.00	100.0	H	26.00	9

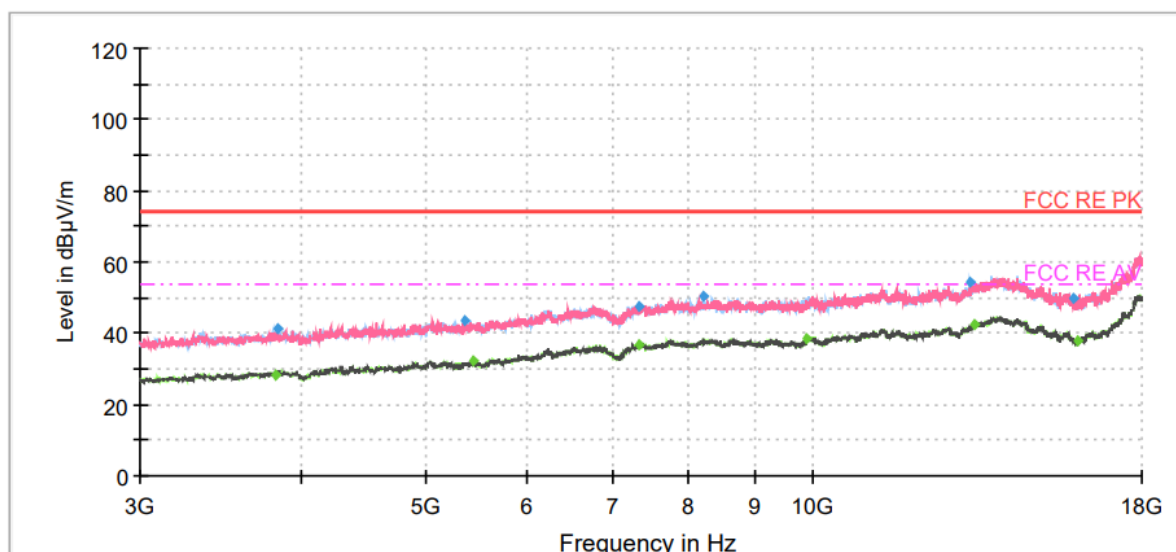
802.11n (HT40) CH9



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

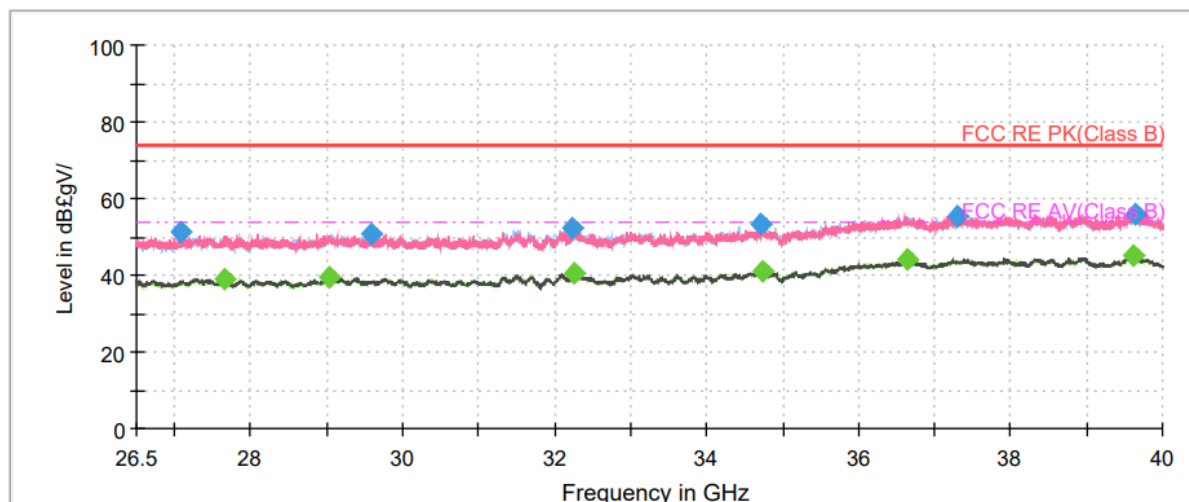
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1175.50	43.90	---	74.00	30.10	500.00	200.0	V	356.00	-4
1186.50	---	32.53	54.00	21.47	500.00	100.0	H	92.00	-4
1320.00	45.50	---	74.00	28.50	500.00	100.0	V	3.00	-3
1408.00	---	35.59	54.00	18.41	500.00	100.0	V	163.00	-3
1569.50	---	32.19	54.00	21.81	500.00	200.0	V	358.00	-2
1570.75	44.11	---	74.00	29.89	500.00	100.0	H	358.00	-2
1706.50	---	34.04	54.00	19.96	500.00	100.0	H	359.00	-2
1727.00	45.48	---	74.00	28.52	500.00	200.0	V	354.00	-2
2042.00	---	35.79	54.00	18.21	500.00	200.0	H	206.00	0
2055.00	47.61	---	74.00	26.39	500.00	200.0	H	353.00	1
2838.75	---	38.45	54.00	15.55	500.00	200.0	H	33.00	3
2856.50	50.53	---	74.00	23.47	500.00	100.0	H	47.00	3



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)
3819.38	---	28.45	54.00	25.55	500.00	200.0	V	0.00	-5
3834.38	41.43	---	74.00	32.57	500.00	200.0	V	177.00	-4
5362.50	43.54	---	74.00	30.46	500.00	200.0	V	44.00	0
5443.13	---	32.25	54.00	21.75	500.00	200.0	V	55.00	0
7316.25	---	37.05	54.00	16.95	500.00	200.0	V	4.00	5
7323.75	47.83	---	74.00	26.17	500.00	100.0	H	149.00	5
8212.50	50.32	---	74.00	23.68	500.00	100.0	H	2.00	7
9894.38	---	38.35	54.00	15.65	500.00	200.0	V	34.00	7
13258.13	54.29	---	74.00	19.71	500.00	200.0	H	245.00	11
13336.88	---	42.71	54.00	11.29	500.00	100.0	H	0.00	11
15903.75	49.55	---	74.00	24.45	500.00	200.0	V	0.00	7
16059.38	---	37.89	54.00	16.11	500.00	200.0	H	291.00	7

During the test, the Radiates Emission from 18GHz to 26.5GHz was performed in all modes with all channels. The test data of the worst-case condition was recorded in this report.



Radiates Emission from 18GHz to 26.5GHz

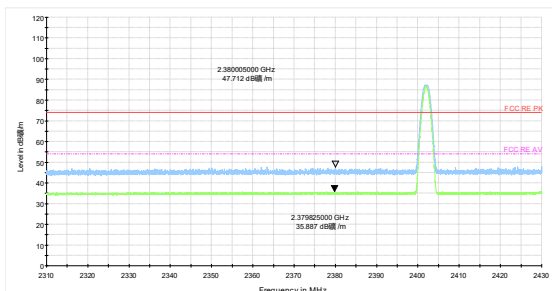
Frequency (MHz)	MaxPeak (dBµgV/m)	Average (dBµgV/m)	Limit (dBµgV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
27092.312500	51.23	---	74.00	22.77	500.0	100.0	V	162.0	-0.7
27664.375000	---	39.13	54.00	14.87	500.0	100.0	V	323.0	-0.3
29043.062500	---	39.58	54.00	14.42	500.0	100.0	V	0.0	0.4
29583.062500	50.84	---	74.00	23.16	500.0	100.0	V	296.0	-0.2
32235.812500	52.26	---	74.00	21.74	500.0	100.0	V	62.0	-0.6
32261.125000	---	40.44	54.00	13.56	500.0	100.0	H	152.0	-0.6
34708.000000	53.17	---	74.00	20.83	500.0	200.0	V	61.0	2.0
34729.937500	---	41.07	54.00	12.93	500.0	100.0	V	108.0	2.0
36650.312500	---	43.96	54.00	10.04	500.0	100.0	V	341.0	5.2
37294.937500	55.58	---	74.00	18.42	500.0	100.0	V	226.0	5.8
39606.812500	---	45.00	54.00	9.00	500.0	100.0	V	341.0	5.3
39632.125000	55.87	---	74.00	18.13	500.0	200.0	V	133.0	5.2

1.2. Bluetooth LE

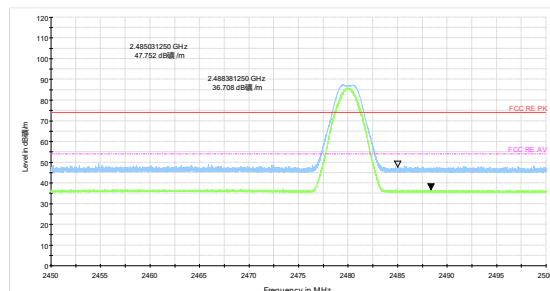
The following graphs display the maximum values of horizontal and vertical by software.
Blue trace uses the peak detection, Green trace uses the average detection.

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

The signal beyond the limit is carrier.



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.

Remark:

1. **Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**
2. **Margin = Limit – Quasi-Peak/ MAX Peak/ Average**
3. **The following graphs display the maximum values of horizontal and vertical by software.**
4. **For below 1GHz**

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

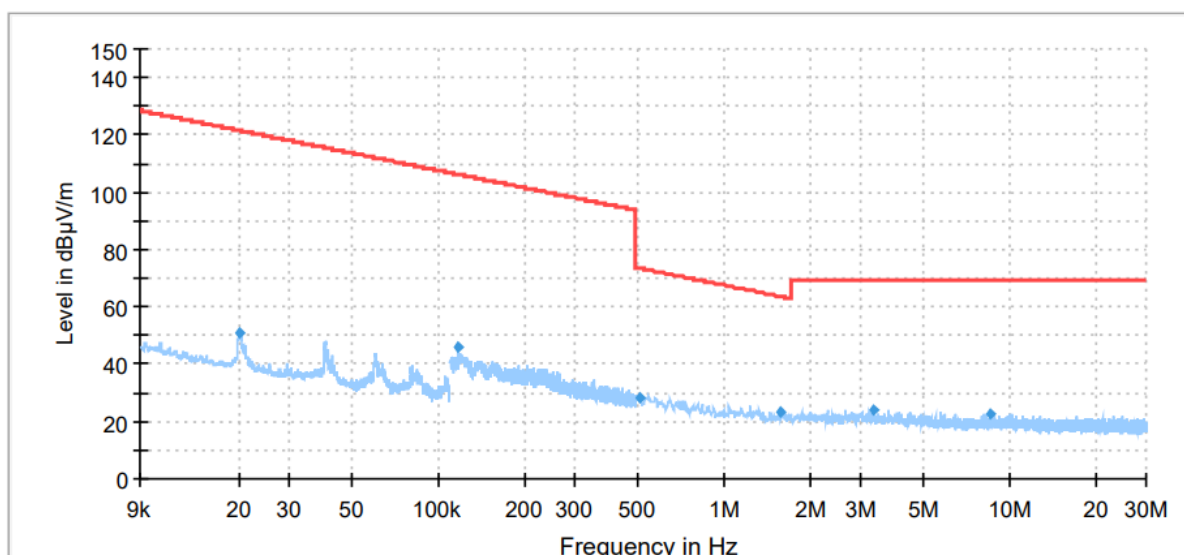
For above 1GHz

 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

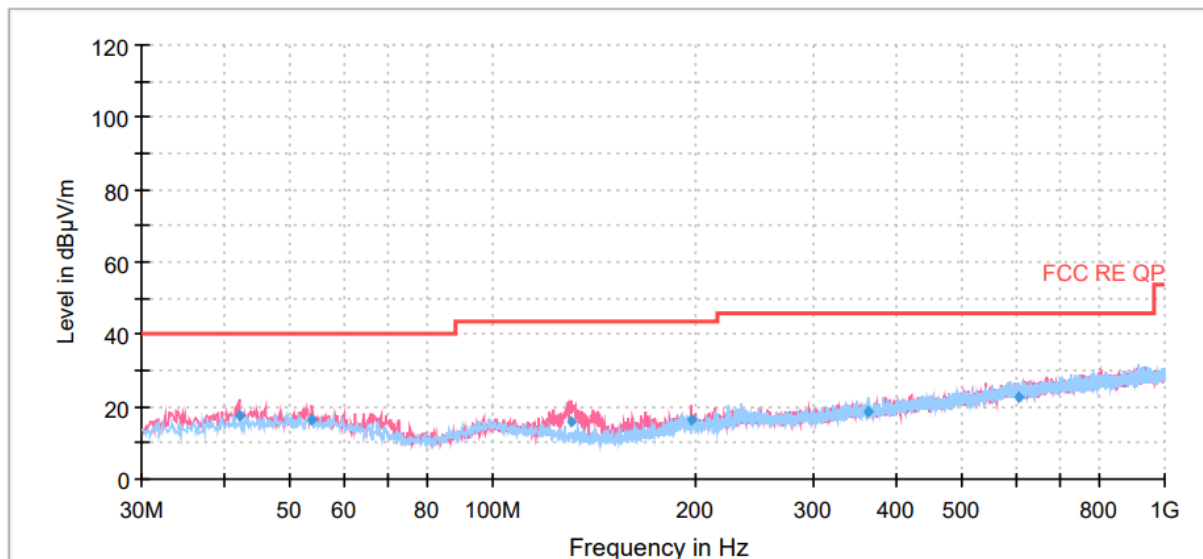
Continuous TX mode:

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



Radiates Emission from 9kHz to 30MHz

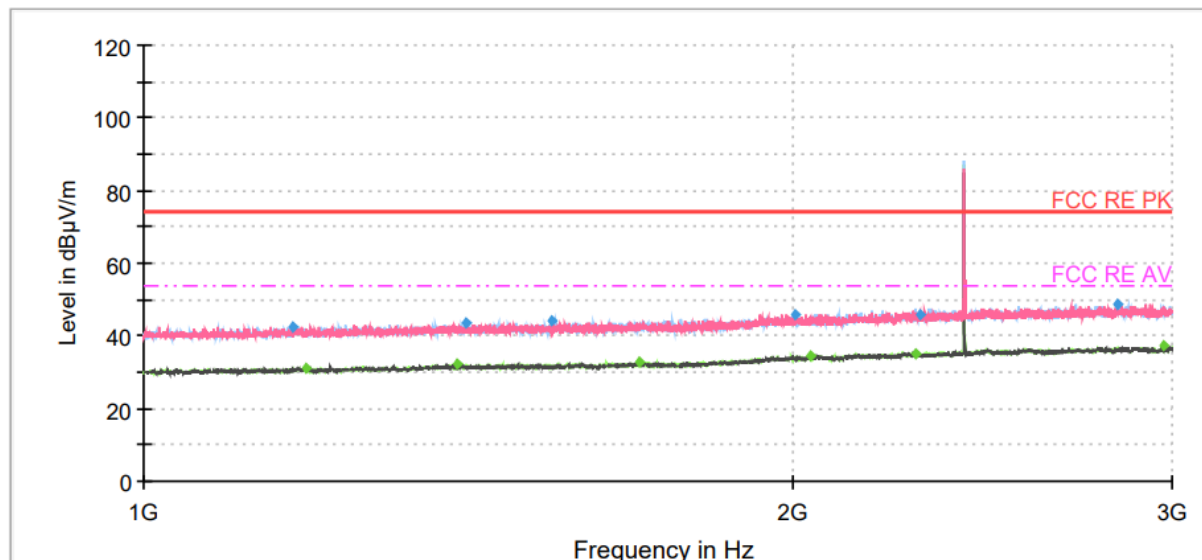
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Pol	Azimuth (deg)	Corr. (dB/m)
0.02	51.17	121.57	70.40	500.00	V	106.00	17
0.12	45.92	106.20	60.28	150.00	V	135.00	17
0.51	28.19	73.48	45.29	150.00	V	33.00	17
1.56	23.25	63.71	40.46	150.00	V	301.00	17
3.33	24.28	69.50	45.22	150.00	V	0.00	17
8.51	22.54	69.50	46.96	150.00	V	245.00	17



Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
41.88	17.80	40.00	22.20	200.00	100.0	V	33.00	19
53.89	16.16	40.00	23.84	200.00	118.0	V	357.00	20
130.40	15.77	43.50	27.73	200.00	105.0	V	267.00	16
197.93	16.35	43.50	27.15	200.00	206.0	V	346.00	18
360.89	18.41	46.00	27.59	200.00	192.0	H	162.00	22
607.27	22.77	46.00	23.23	200.00	126.0	H	50.00	28

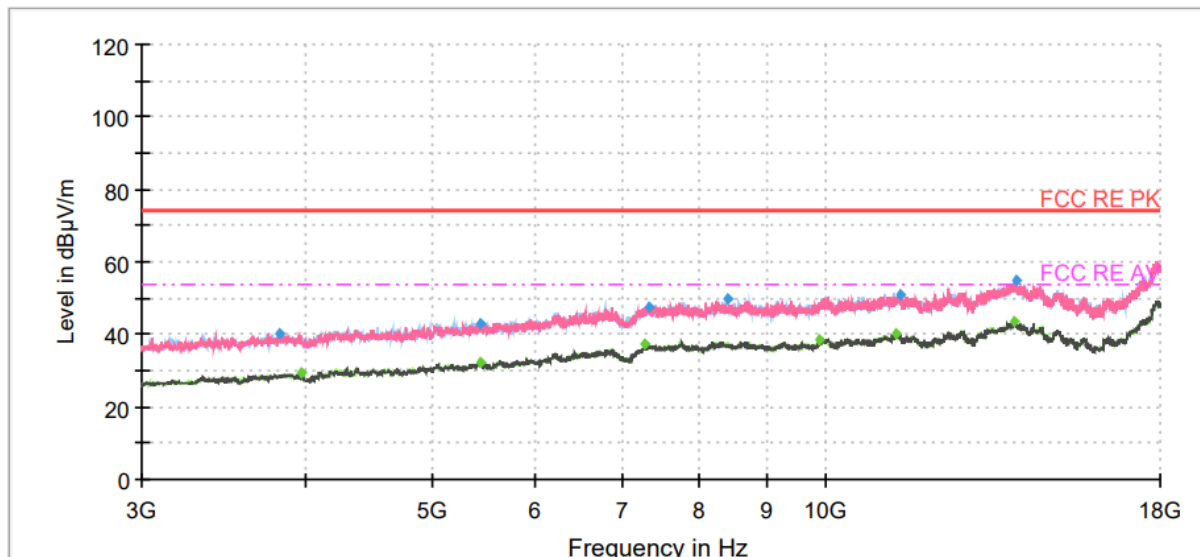
Bluetooth LE-Channel 0



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

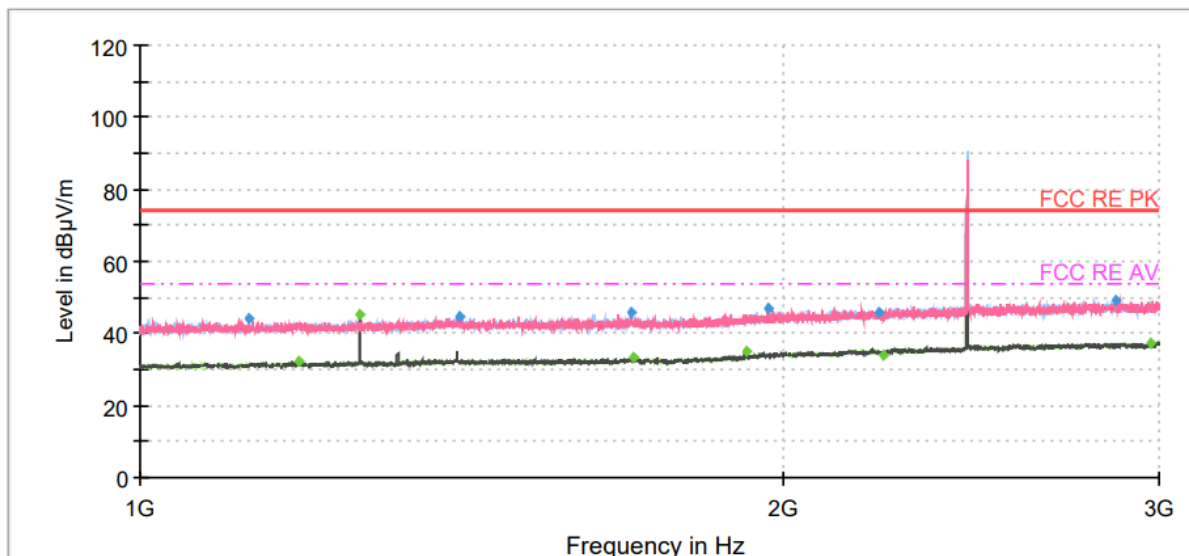
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1174.00	42.68	---	74.00	31.32	500.00	200.0	V	242.00	-4
1190.00	---	31.18	54.00	22.82	500.00	200.0	V	356.00	-4
1396.75	---	32.15	54.00	21.85	500.00	200.0	H	13.00	-3
1412.50	43.43	---	74.00	30.57	500.00	100.0	H	283.00	-3
1547.00	44.19	---	74.00	29.81	500.00	100.0	H	106.00	-2
1697.00	---	32.78	54.00	21.22	500.00	100.0	H	25.00	-2
2006.00	45.93	---	74.00	28.07	500.00	100.0	H	352.00	1
2038.25	---	34.66	54.00	19.34	500.00	200.0	V	256.00	0
2281.25	---	35.12	54.00	18.88	500.00	200.0	H	189.00	2
2291.50	46.01	---	74.00	27.99	500.00	100.0	H	0.00	2
2828.00	48.76	---	74.00	25.24	500.00	100.0	H	354.00	3
2971.75	---	37.21	54.00	16.79	500.00	200.0	V	358.00	4



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)
3821.25	40.37	---	74.00	33.63	500.00	100.0	H	283.00	-5
3967.50	---	29.28	54.00	24.72	500.00	200.0	V	0.00	-4
5441.25	---	32.05	54.00	21.95	500.00	100.0	V	64.00	0
5443.13	43.12	---	74.00	30.88	500.00	200.0	V	154.00	0
7269.38	---	37.21	54.00	16.79	500.00	100.0	H	65.00	5
7327.50	47.63	---	74.00	26.37	500.00	200.0	H	234.00	5
8413.13	50.00	---	74.00	24.00	500.00	100.0	H	351.00	7
9894.38	---	38.27	54.00	15.73	500.00	100.0	V	64.00	7
11319.38	---	40.23	54.00	13.77	500.00	200.0	V	9.00	9
11405.63	50.94	---	74.00	23.06	500.00	100.0	H	298.00	9
13890.00	---	43.52	54.00	10.48	500.00	200.0	H	359.00	12
13951.88	54.84	---	74.00	19.16	500.00	100.0	V	232.00	12

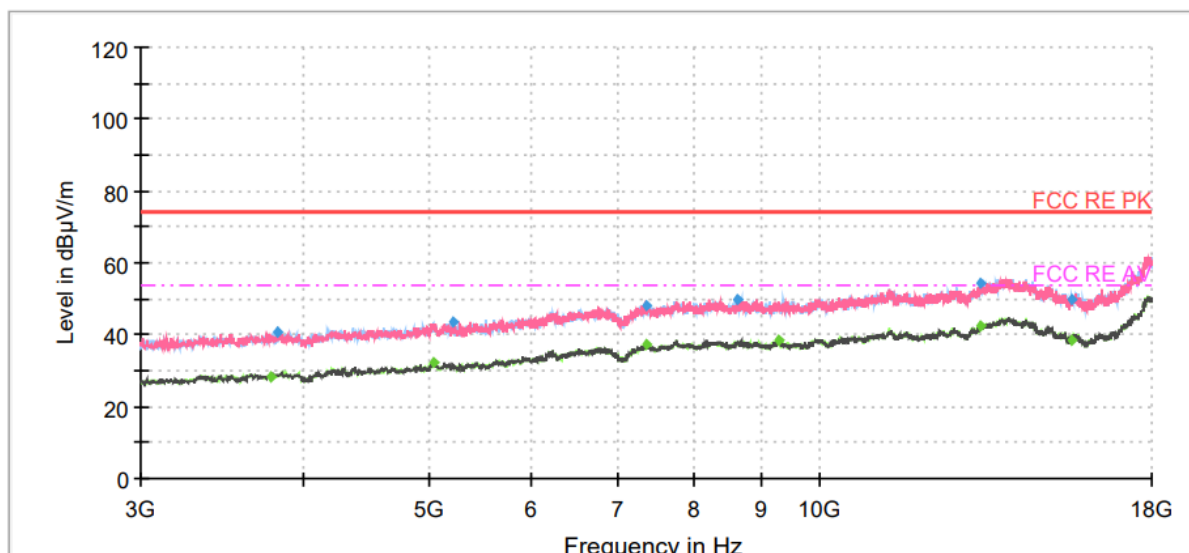
Bluetooth LE-Channel 19



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

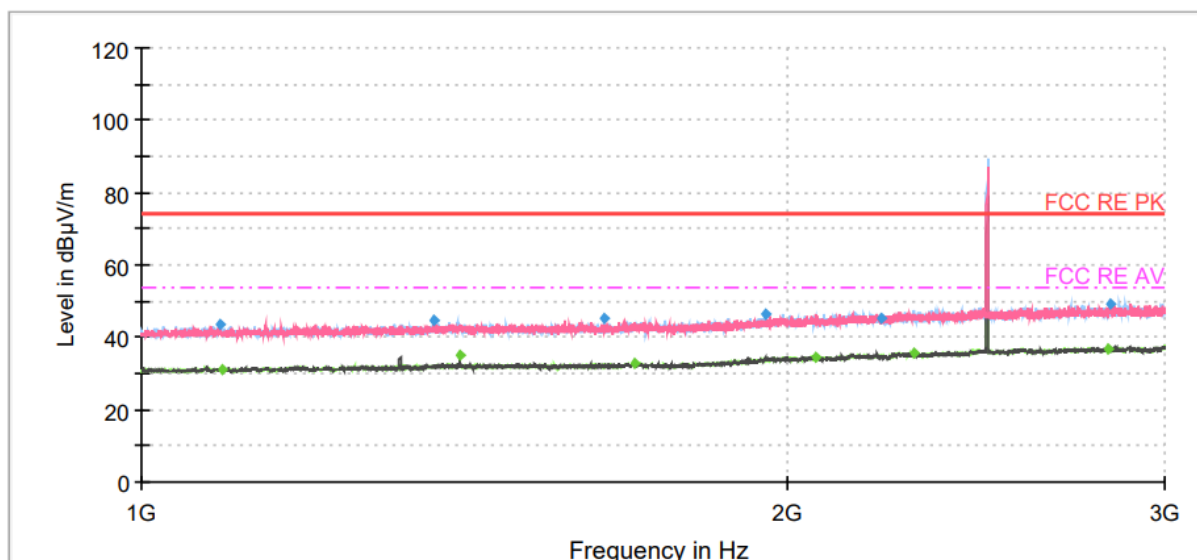
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1123.25	44.12	---	74.00	29.88	500.00	100.0	H	0.00	-4
1186.00	---	32.23	54.00	21.77	500.00	100.0	H	342.00	-4
1266.00	---	45.51	54.00	8.49	500.00	200.0	V	116.00	-4
1411.75	44.45	---	74.00	29.55	500.00	200.0	V	0.00	-3
1697.00	45.67	---	74.00	28.33	500.00	200.0	H	124.00	-2
1701.75	---	33.43	54.00	20.57	500.00	200.0	H	0.00	-2
1920.25	---	34.95	54.00	19.05	500.00	100.0	V	285.00	0
1969.25	46.71	---	74.00	27.29	500.00	200.0	V	146.00	0
2215.25	45.59	---	74.00	28.41	500.00	200.0	H	0.00	1
2228.25	---	34.20	54.00	19.80	500.00	200.0	H	184.00	1
2859.75	48.98	---	74.00	25.02	500.00	200.0	V	311.00	3
2970.75	---	37.59	54.00	16.41	500.00	200.0	V	216.00	4



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)
3781.88	---	28.34	54.00	25.66	500.00	100.0	H	13.00	-5
3815.63	40.72	---	74.00	33.28	500.00	200.0	H	288.00	-5
5036.25	---	32.28	54.00	21.72	500.00	200.0	V	0.00	0
5218.13	43.66	---	74.00	30.34	500.00	100.0	H	34.00	0
7338.75	---	37.17	54.00	16.83	500.00	200.0	V	212.00	5
7340.63	48.25	---	74.00	25.75	500.00	200.0	H	350.00	5
8626.88	49.91	---	74.00	24.09	500.00	100.0	V	0.00	7
9305.63	---	38.40	54.00	15.60	500.00	100.0	H	2.00	7
13275.00	54.13	---	74.00	19.87	500.00	100.0	H	1.00	11
13295.63	---	42.49	54.00	11.51	500.00	100.0	V	337.00	11
15585.00	---	38.29	54.00	15.71	500.00	200.0	H	24.00	8
15605.63	50.01	---	74.00	23.99	500.00	100.0	H	163.00	8

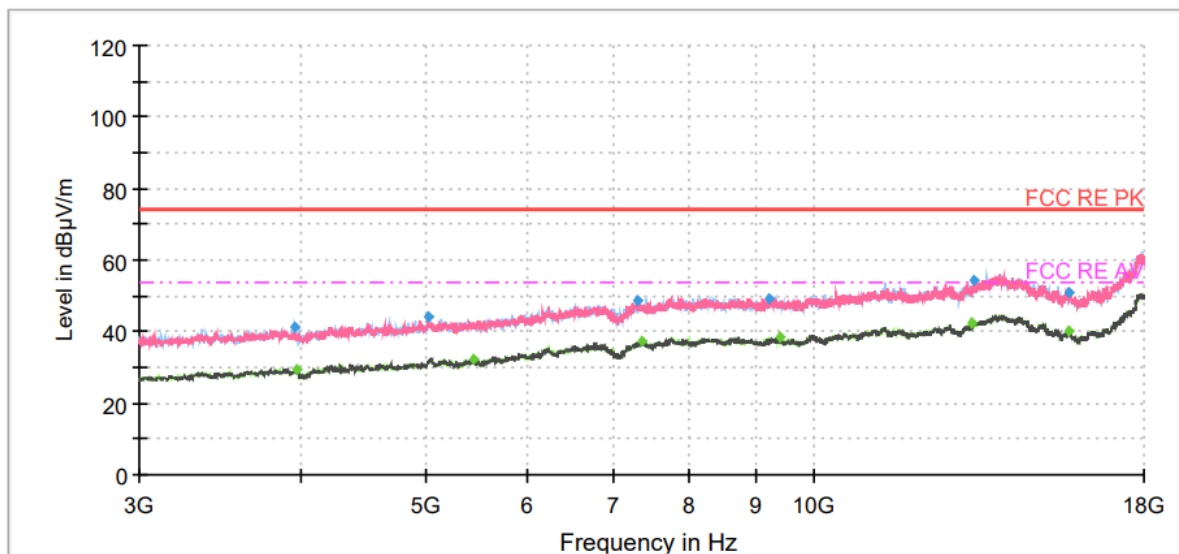
Bluetooth LE-Channel 39



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

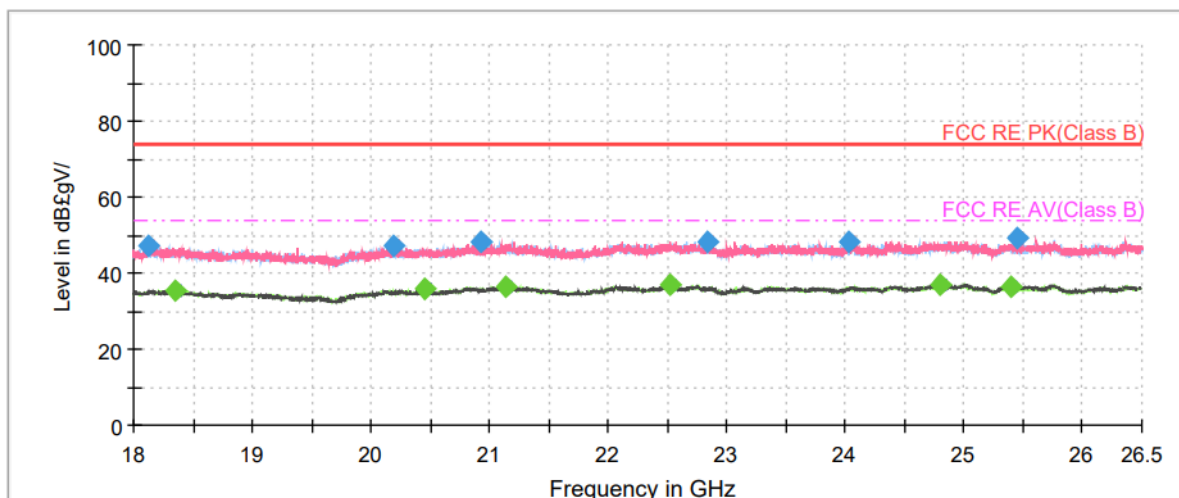
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1087.25	43.65	---	74.00	30.35	500.00	100.0	V	111.00	-5
1090.00	---	31.10	54.00	22.90	500.00	100.0	H	0.00	-5
1369.00	44.49	---	74.00	29.51	500.00	100.0	H	359.00	-3
1407.75	---	34.85	54.00	19.15	500.00	100.0	V	229.00	-3
1644.50	45.47	---	74.00	28.53	500.00	100.0	H	95.00	-2
1696.25	---	32.96	54.00	21.04	500.00	100.0	H	0.00	-2
1955.00	46.44	---	74.00	27.56	500.00	200.0	H	2.00	0
2060.25	---	34.77	54.00	19.23	500.00	100.0	H	301.00	1
2212.75	45.25	---	74.00	28.75	500.00	100.0	H	288.00	1
2291.00	---	35.56	54.00	18.44	500.00	200.0	H	8.00	2
2825.75	---	37.00	54.00	17.00	500.00	200.0	H	301.00	3
2832.25	49.48	---	74.00	24.52	500.00	100.0	H	137.00	3



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)
3963.75	41.26	---	74.00	32.74	500.00	100.0	H	2.00	-4
3967.50	---	29.66	54.00	24.34	500.00	200.0	V	45.00	-4
5028.75	44.06	---	74.00	29.94	500.00	200.0	H	0.00	0
5441.25	---	32.50	54.00	21.50	500.00	100.0	H	336.00	0
7286.25	48.47	---	74.00	25.53	500.00	100.0	V	312.00	6
7338.75	---	37.25	54.00	16.75	500.00	100.0	V	0.00	5
9234.38	49.48	---	74.00	24.52	500.00	100.0	H	1.00	7
9382.50	---	38.52	54.00	15.48	500.00	200.0	H	166.00	7
13254.38	---	42.70	54.00	11.30	500.00	200.0	H	303.00	11
13305.00	54.50	---	74.00	19.50	500.00	100.0	H	2.00	11
15718.13	51.22	---	74.00	22.78	500.00	200.0	V	0.00	8
15721.88	---	40.05	54.00	13.95	500.00	100.0	H	243.00	8

During the test, the Radiates Emission from 18GHz to 26.5GHz was performed in all modes with all channels. The test data of the worst-case condition was recorded in this report.



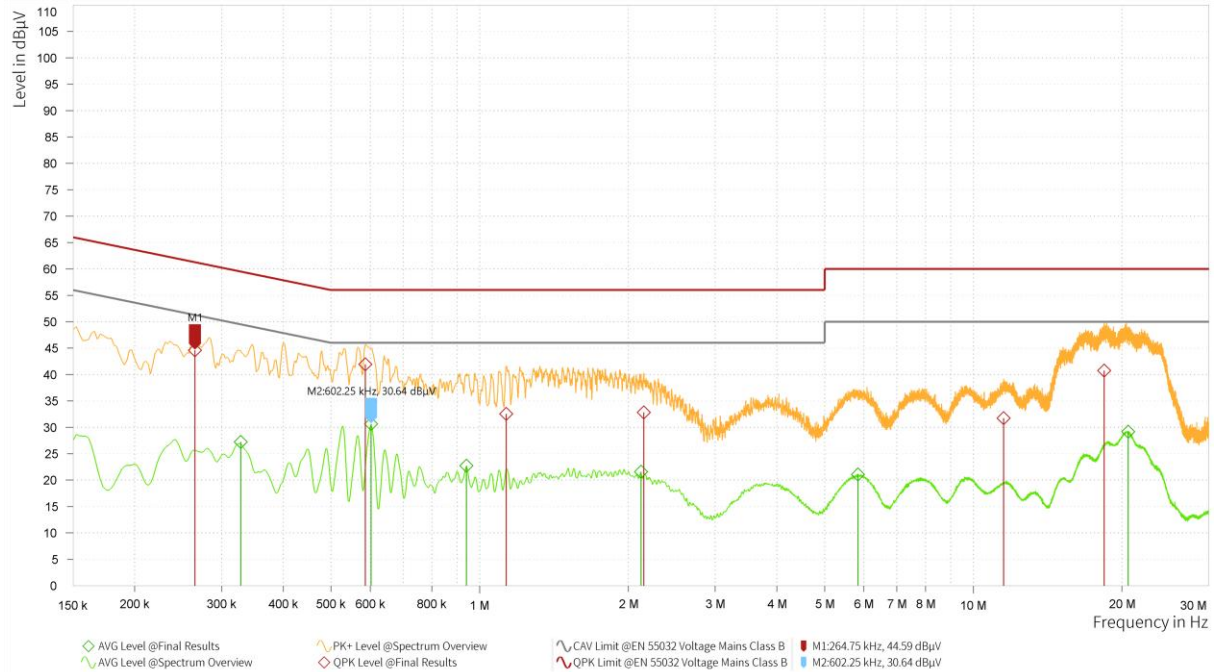
Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
18122.187500	47.13	---	74.00	26.87	500.0	100.0	H	38.0	-6.1
18354.875000	---	35.62	54.00	18.38	500.0	100.0	H	295.0	-6.0
20195.125000	47.14	---	74.00	26.86	500.0	100.0	H	176.0	-5.8
20449.062500	---	35.65	54.00	18.35	500.0	100.0	H	21.0	-5.2
20920.812500	48.05	---	74.00	25.95	500.0	200.0	H	198.0	-4.8
21130.125000	---	36.66	54.00	17.34	500.0	100.0	H	249.0	-4.2
22515.625000	---	36.96	54.00	17.04	500.0	100.0	H	29.0	-3.6
22834.375000	48.42	---	74.00	25.58	500.0	200.0	H	0.0	-3.5
24033.937500	48.41	---	74.00	25.59	500.0	100.0	H	47.0	-3.3
24802.125000	---	37.06	54.00	16.94	500.0	100.0	V	319.0	-2.4
25399.250000	---	36.38	54.00	17.62	500.0	100.0	V	0.0	-2.5
25441.750000	49.01	---	74.00	24.99	500.0	100.0	H	57.0	-2.4

2. Conducted Emission

2.1. Wi-Fi 2.4GHz

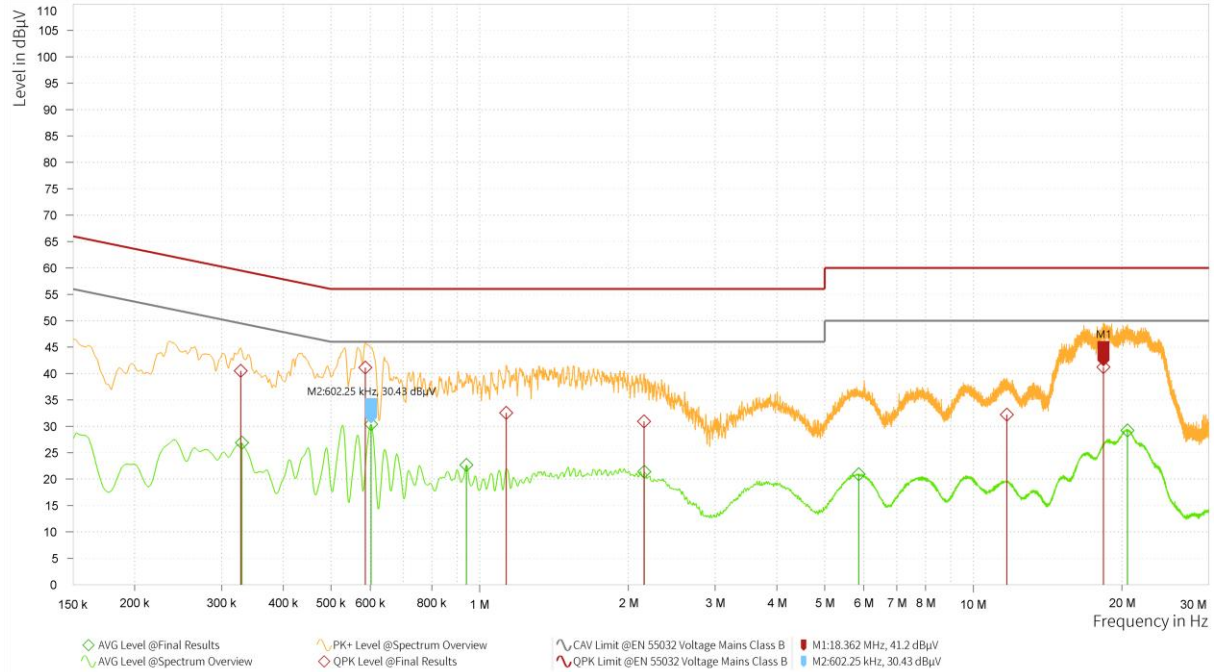
During the test, the Conducted Emission was performed in all modes with all channel. The test data of the worst-case condition was recorded in this report.



Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG: CAV Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.265	44.59	61.28	16.69				20.97	L1	9.000	1.000
0.328				27.21	49.51	22.30	20.94	L1	9.000	1.000
0.587	41.91	56.00	14.09				20.69	L1	9.000	1.000
0.602				30.64	46.00	15.36	20.67	L1	9.000	1.000
0.940				22.71	46.00	23.29	20.21	L1	9.000	1.000
1.131	32.53	56.00	23.47				20.06	L1	9.000	1.000
2.123				21.59	46.00	24.41	19.62	L1	9.000	1.000
2.150	32.81	56.00	23.19				19.61	L1	9.000	1.000
5.843				21.05	50.00	28.95	19.40	L1	9.000	1.000
11.519	31.74	60.00	28.26				19.42	L1	9.000	1.000
18.416	40.75	60.00	19.25				19.61	L1	9.000	1.000
20.591				29.19	50.00	20.81	19.68	L1	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

L line Conducted Emission from 150 kHz to 30 MHz



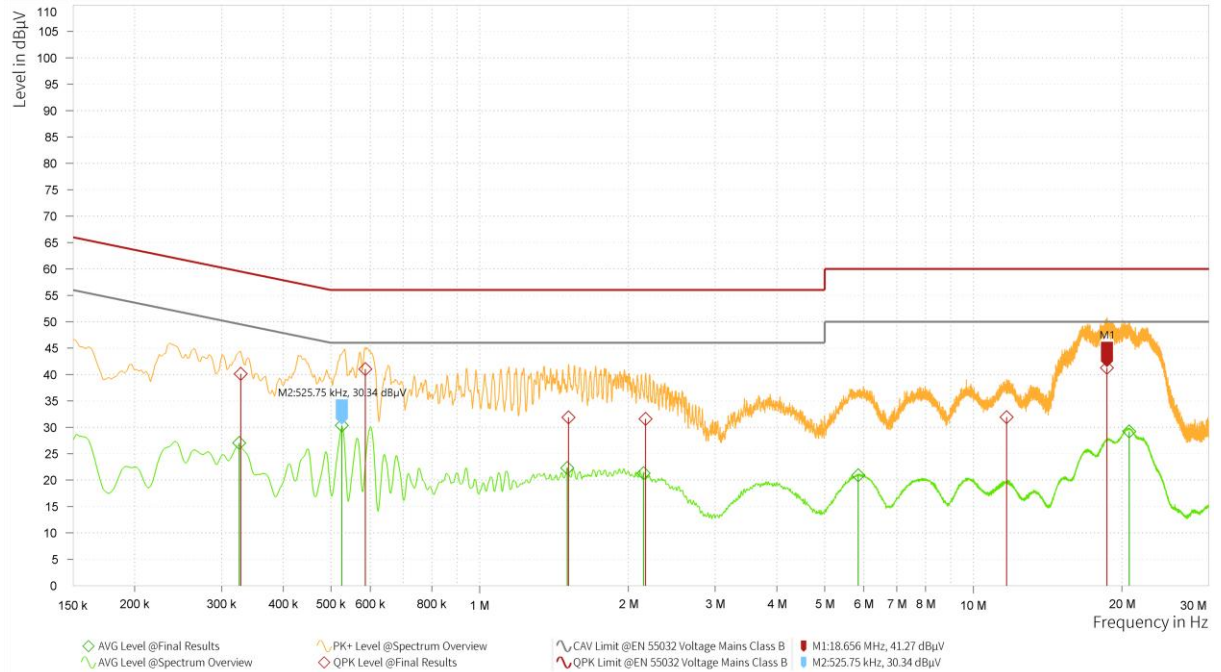
Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG: CAV Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.328	40.53	59.51	18.98				20.95	N	9.000	1.000
0.330				26.92	49.45	22.53	20.95	N	9.000	1.000
0.587	41.11	56.00	14.89				20.70	N	9.000	1.000
0.602				30.43	46.00	15.57	20.68	N	9.000	1.000
0.940				22.68	46.00	23.32	20.22	N	9.000	1.000
1.131	32.56	56.00	23.44				20.07	N	9.000	1.000
2.153	30.93	56.00	25.07				19.62	N	9.000	1.000
2.155				21.39	46.00	24.61	19.62	N	9.000	1.000
5.861				20.91	50.00	29.09	19.41	N	9.000	1.000
11.693	32.20	60.00	27.80				19.44	N	9.000	1.000
18.362	41.20	60.00	18.80				19.65	N	9.000	1.000
20.519				29.21	50.00	20.79	19.73	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

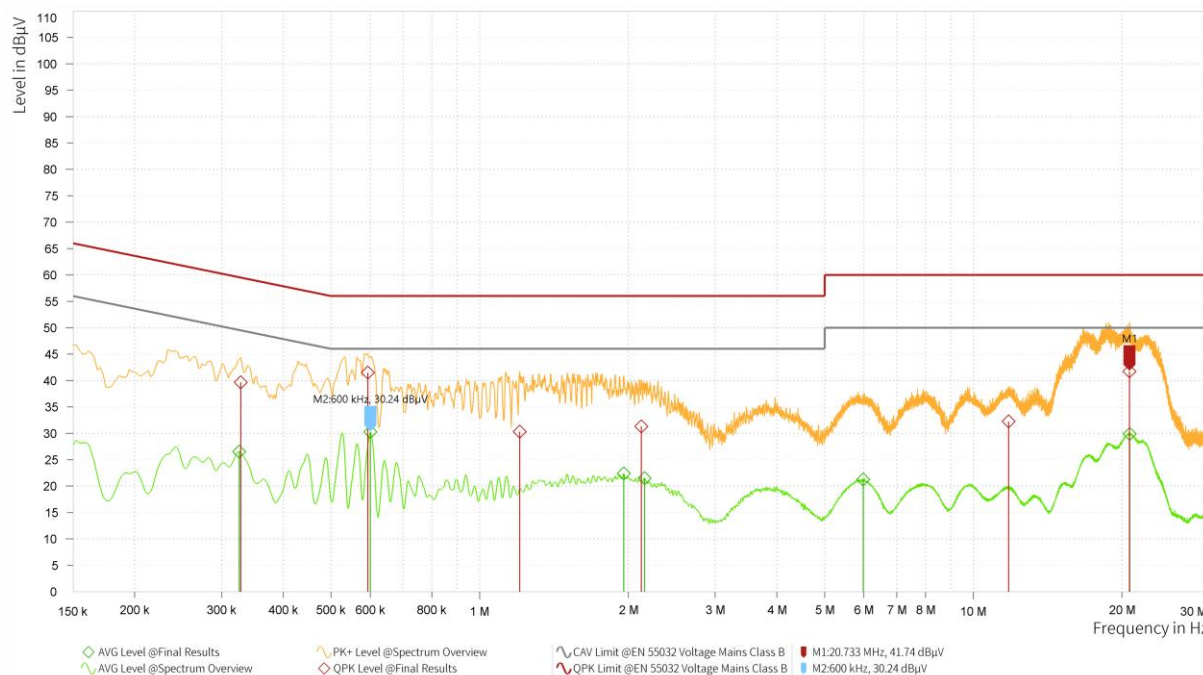
During the test, the Conducted Emission was performed in all modes with all channels. The test data of the worst-case condition was recorded in this report.



Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG: CAV Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.326				27.04	49.57	22.53	20.93	L1	9.000	1.000
0.328	40.15	59.51	19.36				20.94	L1	9.000	1.000
0.526				30.34	46.00	15.66	20.75	L1	9.000	1.000
0.587	41.05	56.00	14.95				20.69	L1	9.000	1.000
1.505				22.29	46.00	23.71	19.84	L1	9.000	1.000
1.514	31.87	56.00	24.13				19.84	L1	9.000	1.000
2.148				21.30	46.00	24.70	19.61	L1	9.000	1.000
2.168	31.58	56.00	24.42				19.61	L1	9.000	1.000
5.845				20.91	50.00	29.09	19.40	L1	9.000	1.000
11.686	31.92	60.00	28.08				19.42	L1	9.000	1.000
18.656	41.27	60.00	18.73				19.62	L1	9.000	1.000
20.699				29.22	50.00	20.78	19.68	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: CAV Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.326				26.50	49.57	23.07	20.94	N	9.000	1.000
0.328	39.66	59.51	19.85				20.95	N	9.000	1.000
0.593	41.50	56.00	14.50				20.69	N	9.000	1.000
0.600				30.24	46.00	15.76	20.69	N	9.000	1.000
1.205	30.32	56.00	25.68				20.02	N	9.000	1.000
1.959				22.40	46.00	23.60	19.67	N	9.000	1.000
2.126	31.33	56.00	24.67				19.63	N	9.000	1.000
2.157				21.48	46.00	24.52	19.62	N	9.000	1.000
5.987				21.27	50.00	28.73	19.41	N	9.000	1.000
11.785	32.24	60.00	27.76				19.45	N	9.000	1.000
20.733	41.74	60.00	18.26				19.74	N	9.000	1.000
20.751				29.90	50.00	20.10	19.74	N	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 kHz to 30 MHz