

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). and the loop antenna is coplanar, the others are vertical and horizontal. and the worst case was recorded.

1. Unwanted Emission

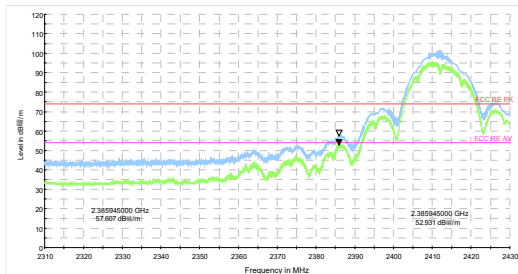
1.1. Wi-Fi 2.4GHz

The following graphs display the maximum values of horizontal and vertical by software.

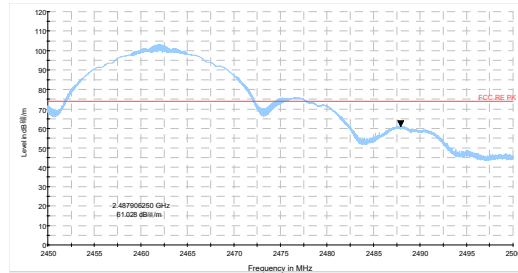
The modulation and bandwidth are similar for 802.11n mode for 20MHz and 802.11ax mode for 20MHz, therefore investigated worst case to representative mode in test report.

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

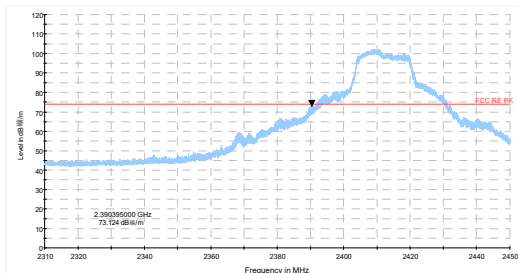
The signal beyond the limit is carrier.



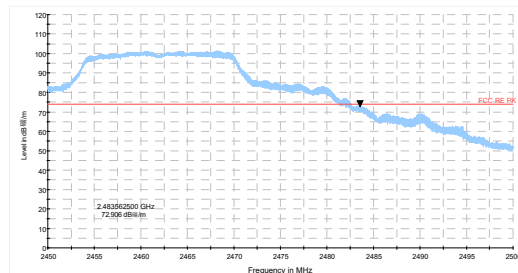
802.11b-Channel 1 Peak+ Average



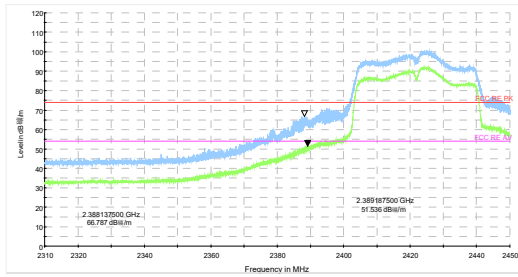
802.11b-Channel 11 Peak+ Average



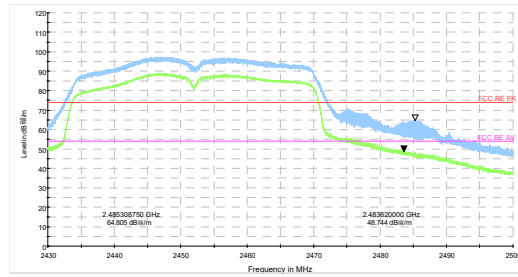
802.11g-Channel 1 Peak+ Average



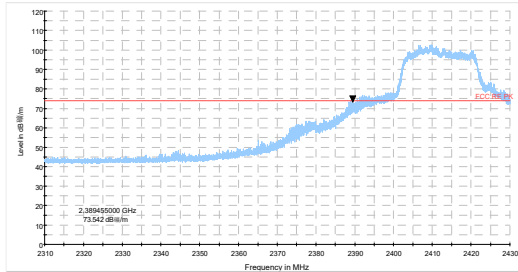
802.11g-Channel 11 Peak+ Average



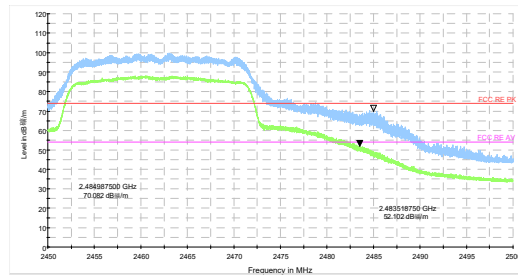
802.11n HT40-Channel 3 Peak+ Average



802.11n HT40-Channel 9 Peak+ Average



802.11ax HE20-Channel 1 Peak+ Average



802.11ax HE20-Channel 11 Peak+ Average

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. **The following graphs display the maximum values of coaxial and coplanar for 9k-30MHz; horizontal and vertical for above 30MHz by software.**
4. **For below 1GHz**

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

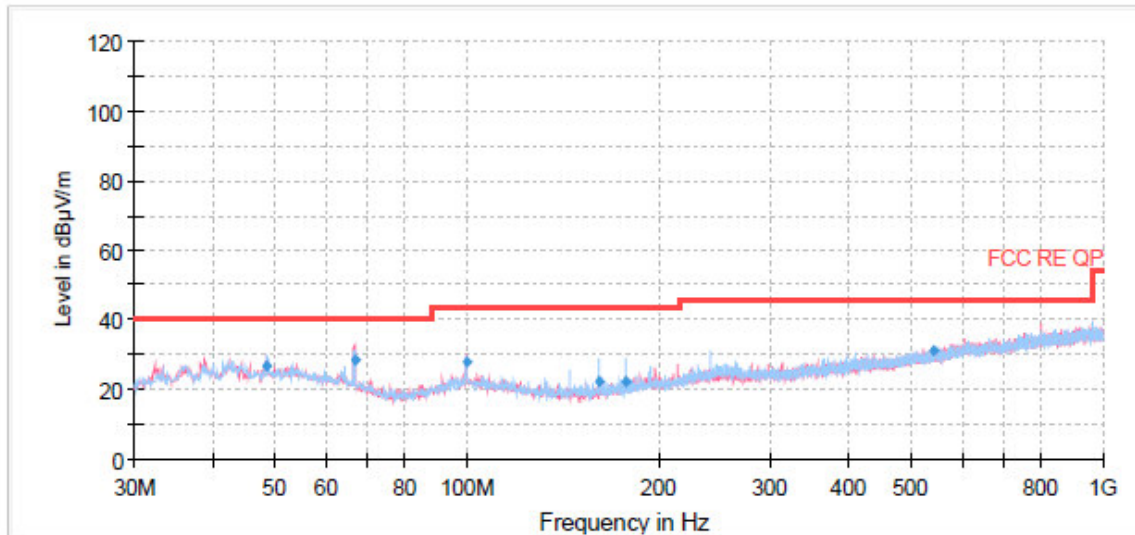
For above 1GHz

 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:

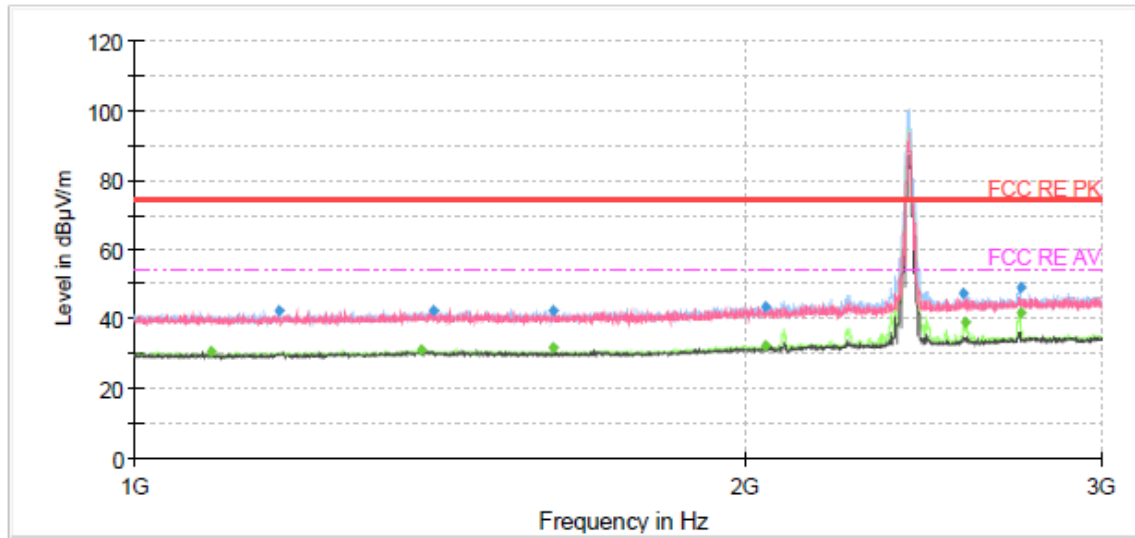
During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels, the test data of the worst-case condition (802.11b CH11) was recorded in this report.



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)
48.55	26.97	40.00	13.03	101.0	H	198.00	20
66.62	28.36	40.00	11.64	200.0	V	0.00	17
99.84	27.71	43.50	15.79	200.0	V	341.00	19
161.44	22.54	43.50	20.96	200.0	H	130.00	16
177.32	22.52	43.50	20.98	200.0	H	150.00	16
541.19	31.00	46.00	15.00	200.0	H	224.00	26

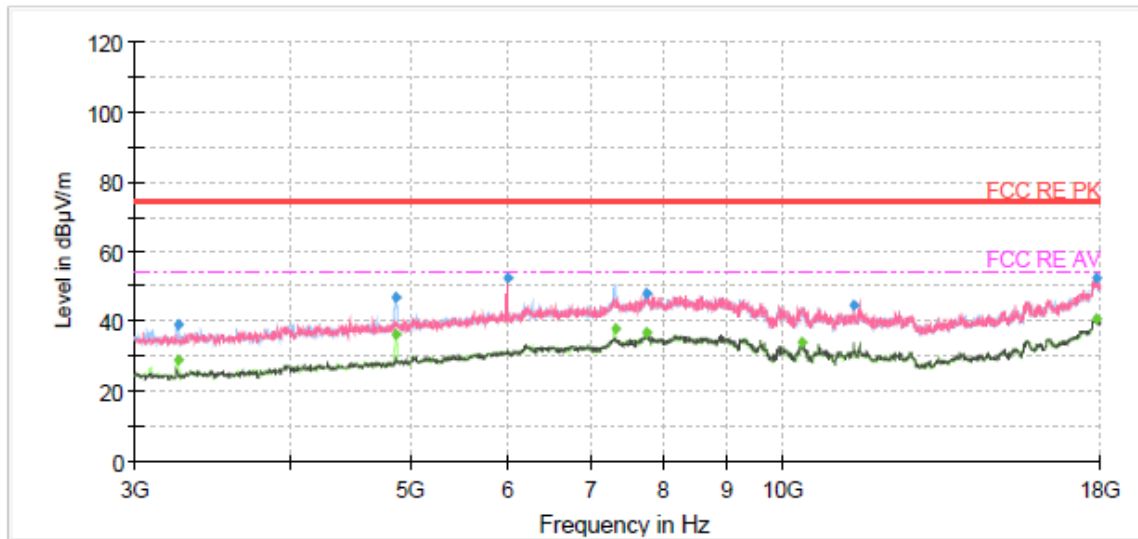
802.11b CH1



Note: The signal beyond the limit is carrier.

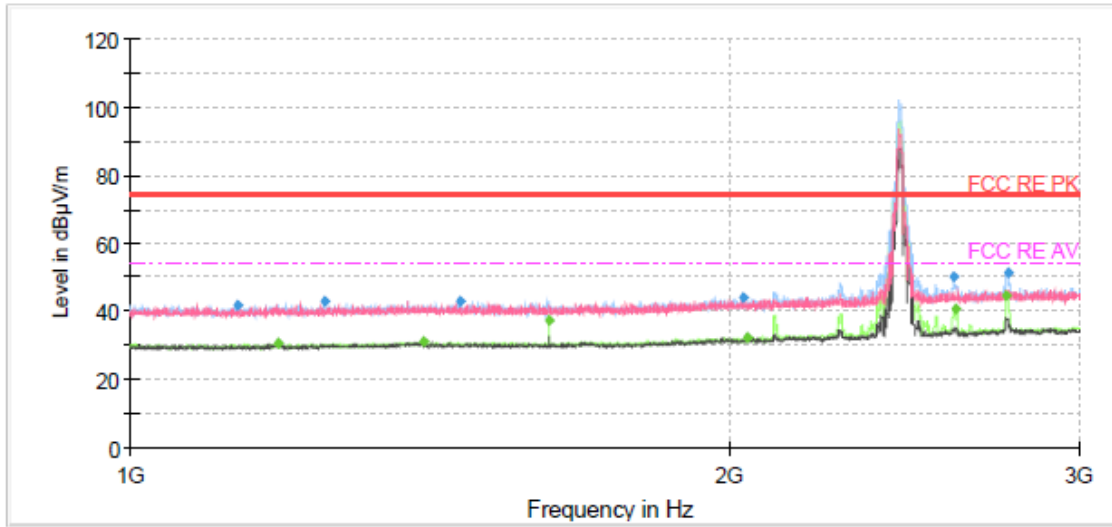
Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1090.75	---	30.44	54.00	23.56	500.00	100.0	H	146.00	-12
1177.75	42.27	---	74.00	31.73	500.00	100.0	H	160.00	-12
1385.50	---	31.10	54.00	22.90	500.00	100.0	H	271.00	-11
1403.75	42.31	---	74.00	31.69	500.00	200.0	V	223.00	-11
1607.00	42.54	---	74.00	31.46	500.00	100.0	H	229.00	-11
1607.75	---	32.04	54.00	21.96	500.00	100.0	H	229.00	-11
2047.50	43.70	---	74.00	30.30	500.00	100.0	V	1.00	-8
2048.00	---	32.38	54.00	21.62	500.00	100.0	H	354.00	-8
2565.00	47.70	---	74.00	26.30	500.00	100.0	H	333.00	-5
2569.25	---	39.01	54.00	14.99	500.00	100.0	H	317.00	-5
2736.75	---	41.89	54.00	12.11	500.00	100.0	H	326.00	-5
2737.75	49.33	---	74.00	24.67	500.00	100.0	H	326.00	-5



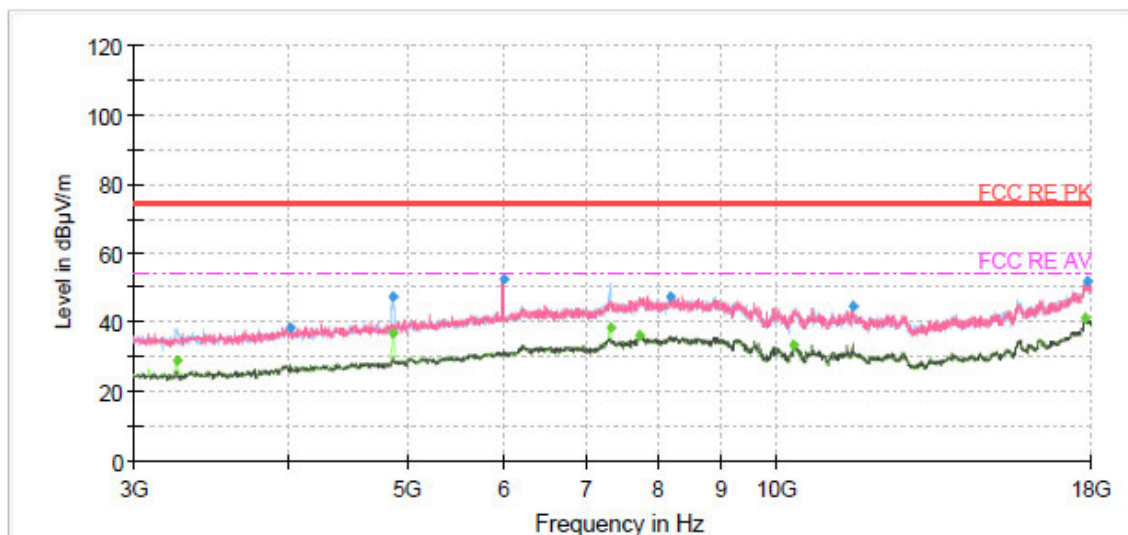
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3247.50	---	28.76	54.00	25.24	500.00	100.0	H	359.00	-14
3247.50	38.97	---	74.00	35.03	500.00	100.0	H	359.00	-14
4865.63	47.13	---	74.00	26.87	500.00	100.0	H	358.00	-10
4871.25	---	36.31	54.00	17.69	500.00	100.0	H	0.00	-10
5992.50	52.40	---	74.00	21.60	500.00	100.0	V	346.00	-6
7308.75	---	38.14	54.00	15.86	500.00	100.0	H	342.00	-1
7743.75	---	36.75	54.00	17.25	500.00	100.0	H	347.00	1
7745.63	47.87	---	74.00	26.13	500.00	200.0	H	39.00	1
10333.13	---	34.02	54.00	19.98	500.00	100.0	V	169.00	2
11392.50	44.51	---	74.00	29.49	500.00	200.0	V	205.00	5
17831.25	---	41.00	54.00	13.00	500.00	100.0	H	72.00	15
17891.25	52.65	---	74.00	21.35	500.00	100.0	V	5.00	15



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

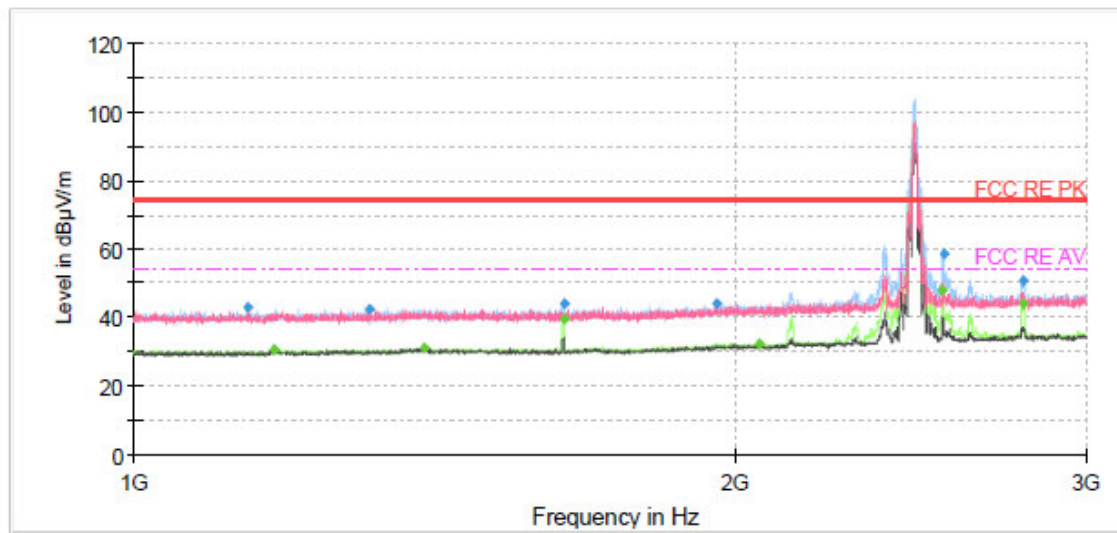
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1133.50	41.98	---	74.00	32.02	500.00	200.0	H	89.00	-12
1186.00	---	30.43	54.00	23.57	500.00	100.0	H	103.00	-12
1251.00	42.91	---	74.00	31.09	500.00	100.0	H	143.00	-12
1405.75	---	31.00	54.00	23.00	500.00	200.0	H	4.00	-11
1466.50	42.84	---	74.00	31.16	500.00	100.0	H	358.00	-11
1624.50	---	37.64	54.00	16.36	500.00	100.0	H	228.00	-10
2033.00	44.12	---	74.00	29.88	500.00	200.0	H	129.00	-8
2042.75	---	32.31	54.00	21.69	500.00	100.0	H	0.00	-8
2594.25	50.08	---	74.00	23.92	500.00	200.0	H	314.00	-5
2602.50	---	40.83	54.00	13.17	500.00	100.0	H	314.00	-6
2759.00	---	44.58	54.00	9.42	500.00	200.0	H	327.00	-5
2760.75	51.40	---	74.00	22.60	500.00	100.0	H	324.00	-5



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)
3247.50	---	28.88	54.00	25.12	500.00	100.0	H	350.00	-14
4025.63	38.48	---	74.00	35.52	500.00	200.0	H	74.00	-12
4875.00	---	36.59	54.00	17.41	500.00	100.0	H	358.00	-10
4875.00	47.69	---	74.00	26.31	500.00	100.0	H	358.00	-10
5986.88	52.46	---	74.00	21.54	500.00	200.0	V	114.00	-6
7306.88	---	38.28	54.00	15.72	500.00	100.0	H	12.00	-1
7736.25	---	36.28	54.00	17.72	500.00	200.0	H	336.00	1
8169.38	47.68	---	74.00	26.32	500.00	100.0	V	76.00	1
10318.13	---	33.68	54.00	20.32	500.00	200.0	V	358.00	2
11501.25	44.38	---	74.00	29.62	500.00	100.0	V	337.00	6
17814.38	---	41.23	54.00	12.77	500.00	200.0	H	88.00	15
17857.50	52.10	---	74.00	21.90	500.00	200.0	H	275.00	15

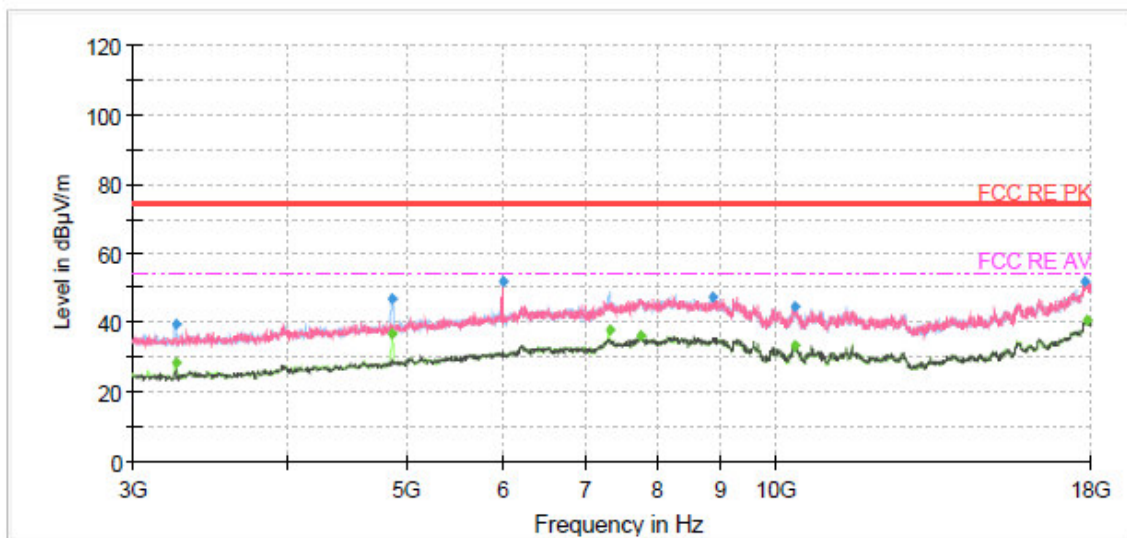
802.11b CH11



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

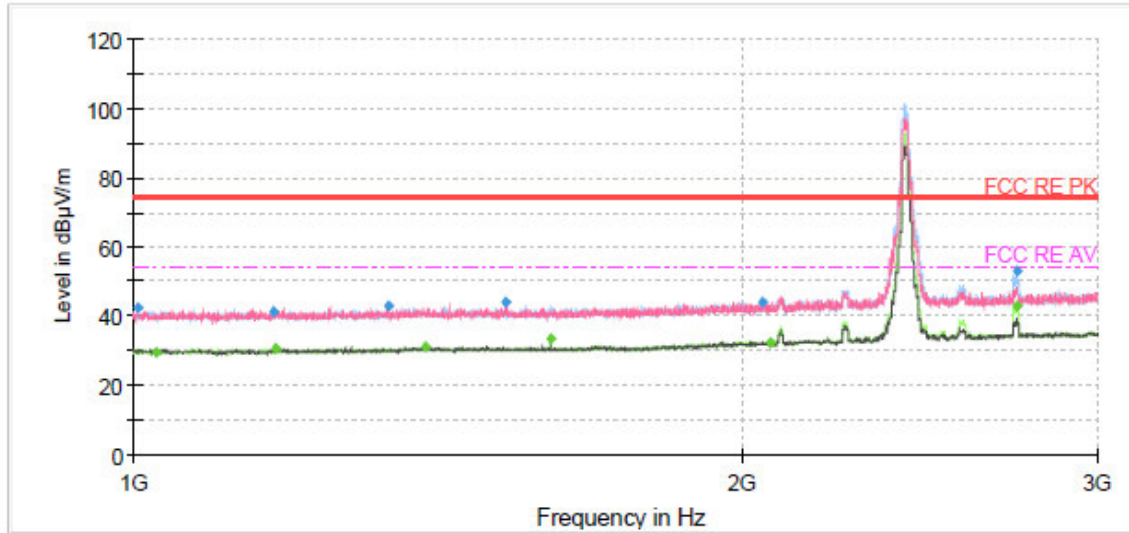
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1140.00	43.11	---	74.00	30.89	500.00	200.0	H	359.00	-12
1175.50	---	30.78	54.00	23.22	500.00	200.0	H	282.00	-12
1311.50	42.63	---	74.00	31.37	500.00	200.0	H	158.00	-11
1396.75	---	31.10	54.00	22.90	500.00	100.0	H	354.00	-11
1641.25	---	39.69	54.00	14.31	500.00	100.0	H	224.00	-10
1641.25	44.34	---	74.00	29.66	500.00	100.0	H	224.00	-10
1960.25	44.17	---	74.00	29.83	500.00	200.0	H	5.00	-8
2059.25	---	32.51	54.00	21.49	500.00	200.0	H	7.00	-8
2543.00	---	47.88	54.00	6.12	500.00	100.0	H	338.00	-6
2544.00	58.62	---	74.00	15.38	500.00	100.0	H	338.00	-6
2789.00	---	43.87	54.00	10.13	500.00	100.0	H	295.00	-5
2792.00	50.83	---	74.00	23.17	500.00	100.0	H	325.00	-5



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)
3247.50	---	28.60	54.00	25.40	500.00	100.0	H	351.00	-14
3247.50	39.85	---	74.00	34.15	500.00	100.0	H	351.00	-14
4869.38	---	36.56	54.00	17.44	500.00	100.0	H	0.00	-10
4873.13	47.10	---	74.00	26.90	500.00	100.0	H	0.00	-10
5988.75	52.11	---	74.00	21.89	500.00	100.0	V	0.00	-6
7314.38	---	37.78	54.00	16.22	500.00	100.0	H	13.00	-1
7741.88	---	36.52	54.00	17.48	500.00	200.0	V	359.00	1
8868.75	47.68	---	74.00	26.32	500.00	100.0	H	94.00	1
10333.13	---	33.60	54.00	20.40	500.00	100.0	V	19.00	2
10335.00	44.76	---	74.00	29.24	500.00	200.0	V	205.00	2
17821.88	52.09	---	74.00	21.91	500.00	100.0	V	187.00	15
17857.50	---	40.87	54.00	13.13	500.00	100.0	H	342.00	15

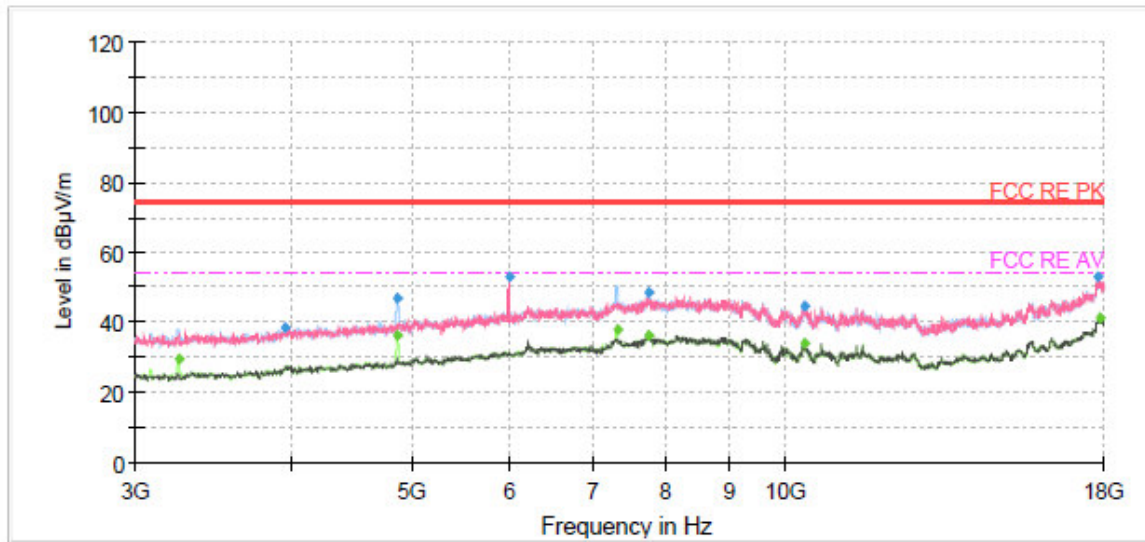
802.11g CH1



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

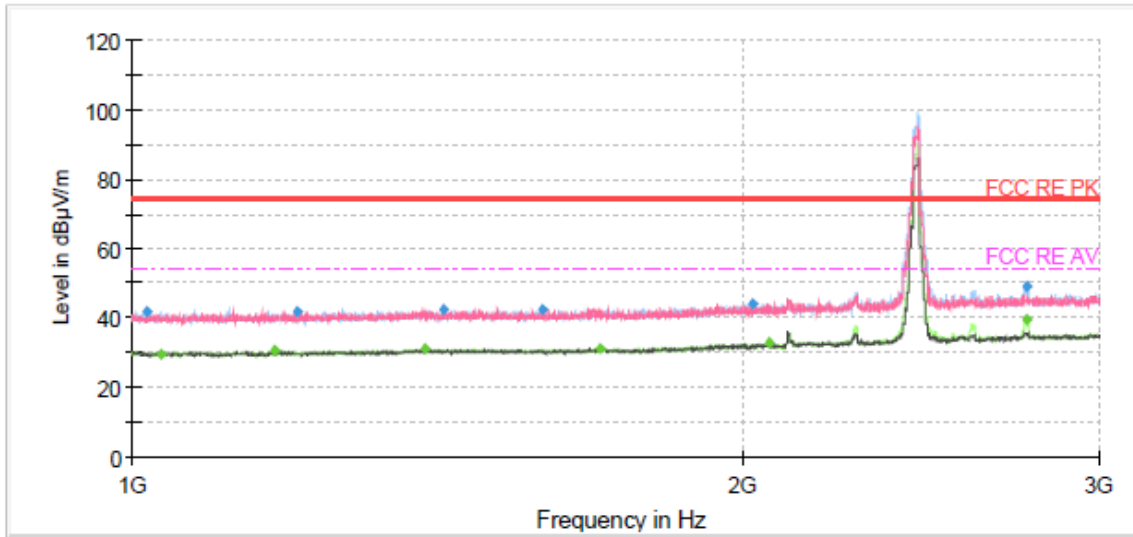
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1004.50	42.22	---	74.00	31.78	500.00	100.0	V	50.00	-12
1025.75	---	29.64	54.00	24.36	500.00	200.0	H	91.00	-12
1172.75	41.56	---	74.00	32.44	500.00	200.0	V	211.00	-12
1176.00	---	30.51	54.00	23.49	500.00	100.0	H	351.00	-12
1337.50	43.03	---	74.00	30.97	500.00	100.0	H	304.00	-11
1394.50	---	31.13	54.00	22.87	500.00	100.0	V	62.00	-11
1529.00	44.36	---	74.00	29.64	500.00	100.0	V	84.00	-11
1607.75	---	33.59	54.00	20.41	500.00	200.0	H	11.00	-11
2048.75	43.99	---	74.00	30.01	500.00	100.0	H	347.00	-8
2066.00	---	32.51	54.00	21.49	500.00	100.0	V	20.00	-8
2737.25	53.12	---	74.00	20.88	500.00	100.0	H	240.00	-5
2737.75	---	43.08	54.00	10.92	500.00	100.0	H	240.00	-5



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)
3247.50	---	29.48	54.00	24.52	500.00	100.0	H	352.00	-14
3954.38	38.74	---	74.00	35.26	500.00	200.0	H	87.00	-11
4865.63	46.63	---	74.00	27.37	500.00	100.0	H	0.00	-10
4871.25	---	36.53	54.00	17.47	500.00	100.0	H	358.00	-10
5992.50	53.03	---	74.00	20.97	500.00	100.0	V	347.00	-6
7308.75	---	37.99	54.00	16.01	500.00	100.0	H	13.00	-1
7743.75	---	36.27	54.00	17.73	500.00	200.0	H	16.00	1
7766.25	48.59	---	74.00	25.41	500.00	100.0	H	226.00	1
10331.25	44.87	---	74.00	29.13	500.00	100.0	H	354.00	2
10333.13	---	34.06	54.00	19.94	500.00	200.0	V	249.00	2
17825.63	53.07	---	74.00	20.93	500.00	100.0	V	111.00	15
17840.63	---	41.38	54.00	12.62	500.00	100.0	H	300.00	15

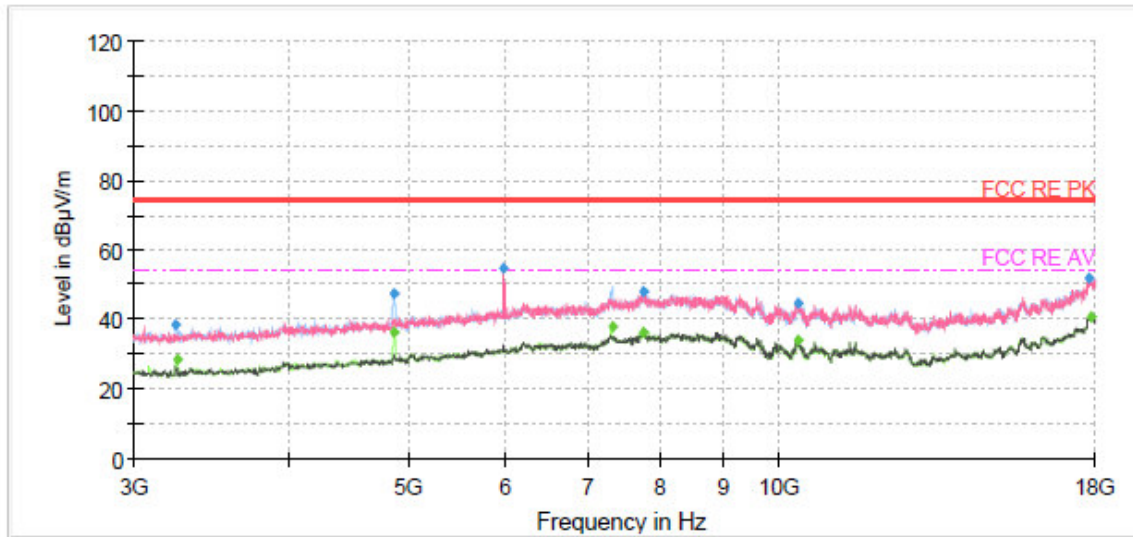
802.11g CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

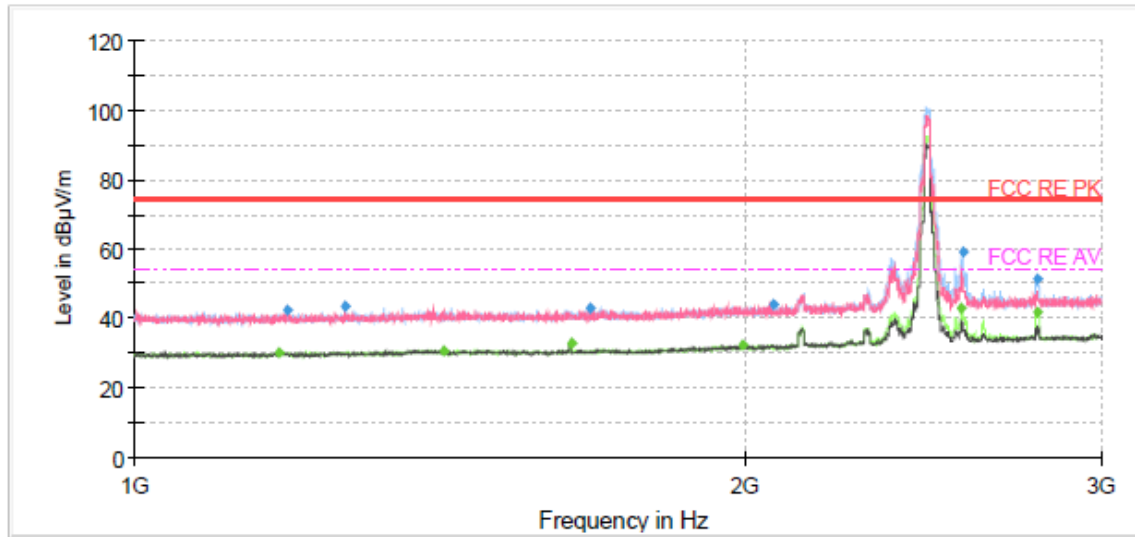
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1017.00	42.03	---	74.00	31.97	500.00	100.0	H	195.00	-12
1033.00	---	29.78	54.00	24.22	500.00	100.0	H	125.00	-12
1174.75	---	30.59	54.00	23.41	500.00	200.0	V	307.00	-12
1207.00	41.62	---	74.00	32.38	500.00	200.0	H	127.00	-12
1394.00	---	31.32	54.00	22.68	500.00	200.0	H	6.00	-11
1424.00	42.42	---	74.00	31.58	500.00	100.0	V	101.00	-11
1592.75	42.68	---	74.00	31.32	500.00	100.0	H	336.00	-11
1703.00	---	31.22	54.00	22.78	500.00	200.0	H	0.00	-10
2025.25	44.30	---	74.00	29.70	500.00	200.0	V	357.00	-8
2063.25	---	32.93	54.00	21.07	500.00	100.0	V	43.00	-8
2761.00	48.96	---	74.00	25.04	500.00	100.0	H	236.00	-5
2761.25	---	39.53	54.00	14.47	500.00	100.0	H	351.00	-5



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)
3243.75	38.57	---	74.00	35.43	500.00	100.0	H	0.00	-14
3247.50	---	28.31	54.00	25.69	500.00	100.0	H	0.00	-14
4865.63	47.23	---	74.00	26.77	500.00	200.0	H	0.00	-10
4871.25	---	36.39	54.00	17.61	500.00	200.0	H	2.00	-10
5979.38	54.79	---	74.00	19.21	500.00	100.0	V	151.00	-6
7308.75	---	38.05	54.00	15.95	500.00	100.0	H	343.00	-1
7740.00	---	36.39	54.00	17.61	500.00	200.0	H	2.00	1
7745.63	47.79	---	74.00	26.21	500.00	200.0	V	357.00	1
10333.13	44.56	---	74.00	29.44	500.00	200.0	V	110.00	2
10333.13	---	33.86	54.00	20.14	500.00	200.0	H	4.00	2
17806.88	51.81	---	74.00	22.19	500.00	100.0	V	16.00	15
17836.88	---	40.96	54.00	13.04	500.00	100.0	H	0.00	15

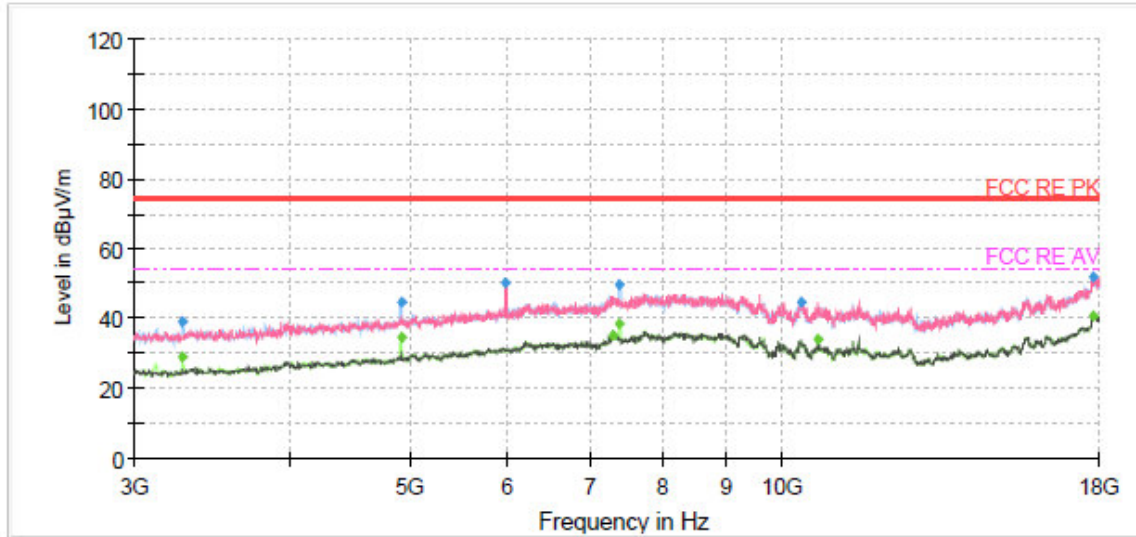
802.11g CH11



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

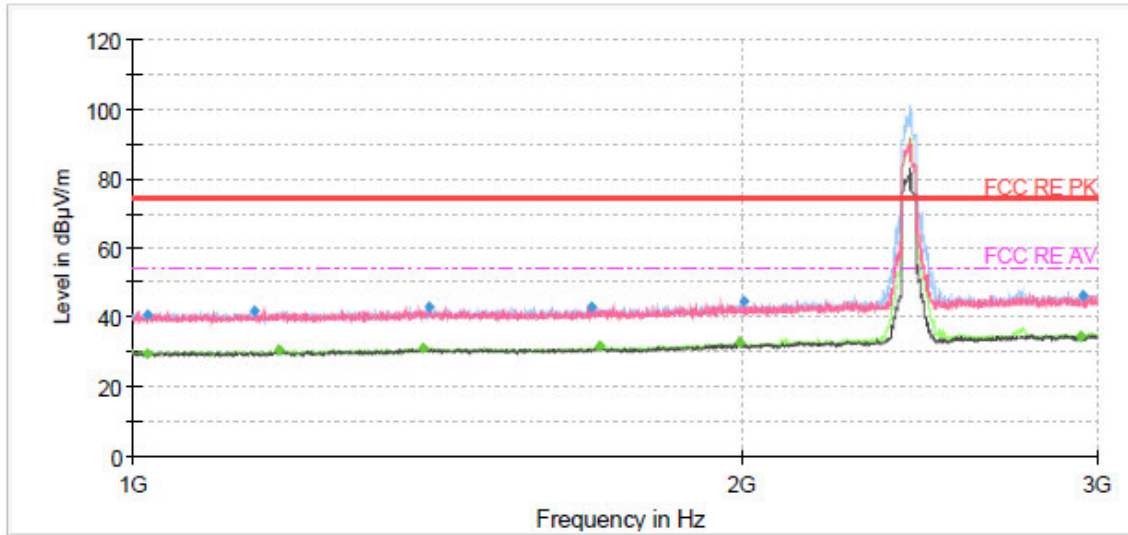
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1177.50	---	30.28	54.00	23.72	500.00	200.0	H	5.00	-12
1190.50	42.18	---	74.00	31.82	500.00	100.0	V	48.00	-12
1268.75	43.44	---	74.00	30.56	500.00	200.0	V	354.00	-11
1421.25	---	30.91	54.00	23.09	500.00	100.0	H	347.00	-11
1641.25	---	33.12	54.00	20.88	500.00	200.0	H	18.00	-10
1678.75	42.91	---	74.00	31.09	500.00	100.0	H	342.00	-10
1997.75	---	32.57	54.00	21.43	500.00	200.0	H	46.00	-8
2065.00	43.89	---	74.00	30.11	500.00	100.0	H	337.00	-8
2561.00	---	42.83	54.00	11.17	500.00	100.0	H	232.00	-5
2562.00	59.01	---	74.00	14.99	500.00	100.0	H	206.00	-5
2788.25	51.37	---	74.00	22.63	500.00	100.0	H	246.00	-5
2788.75	---	41.98	54.00	12.02	500.00	100.0	H	246.00	-5



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)
3281.25	---	29.10	54.00	24.90	500.00	100.0	H	358.00	-14
3281.25	38.96	---	74.00	35.04	500.00	200.0	H	0.00	-14
4925.63	---	34.54	54.00	19.46	500.00	200.0	H	0.00	-10
4925.63	44.86	---	74.00	29.14	500.00	100.0	H	2.00	-10
5977.50	50.39	---	74.00	23.61	500.00	200.0	V	165.00	-6
7284.38	---	35.35	54.00	18.65	500.00	100.0	H	80.00	0
7383.75	49.63	---	74.00	24.37	500.00	100.0	H	345.00	-1
7385.63	---	38.44	54.00	15.56	500.00	100.0	H	12.00	-1
10331.25	44.66	---	74.00	29.34	500.00	100.0	V	0.00	2
10674.38	---	33.96	54.00	20.04	500.00	200.0	V	343.00	3
17816.25	---	40.95	54.00	13.05	500.00	100.0	V	106.00	15
17823.75	52.07	---	74.00	21.93	500.00	200.0	H	158.00	15

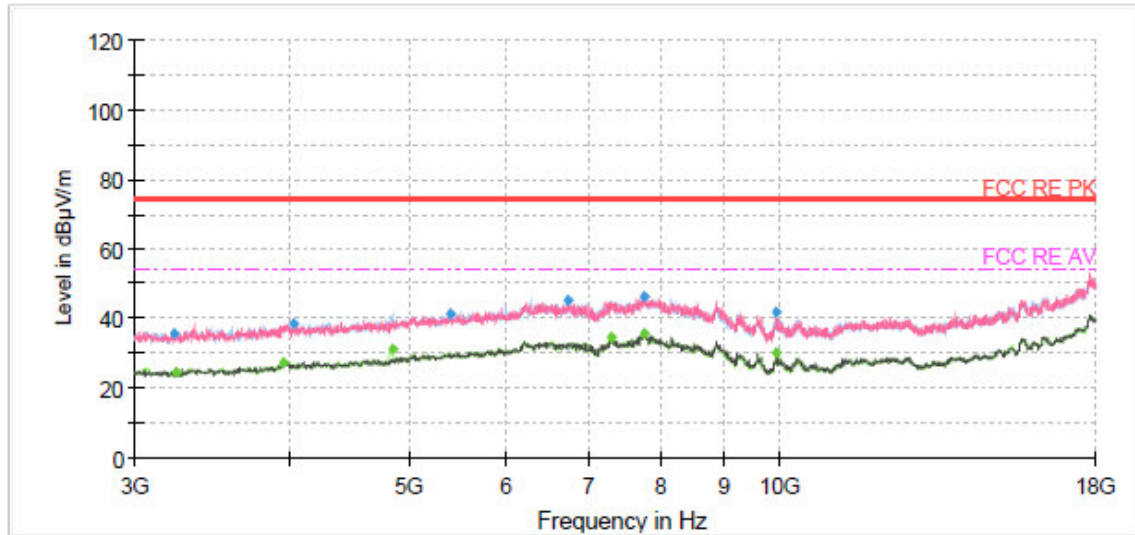
802.11n (HT40) CH3



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

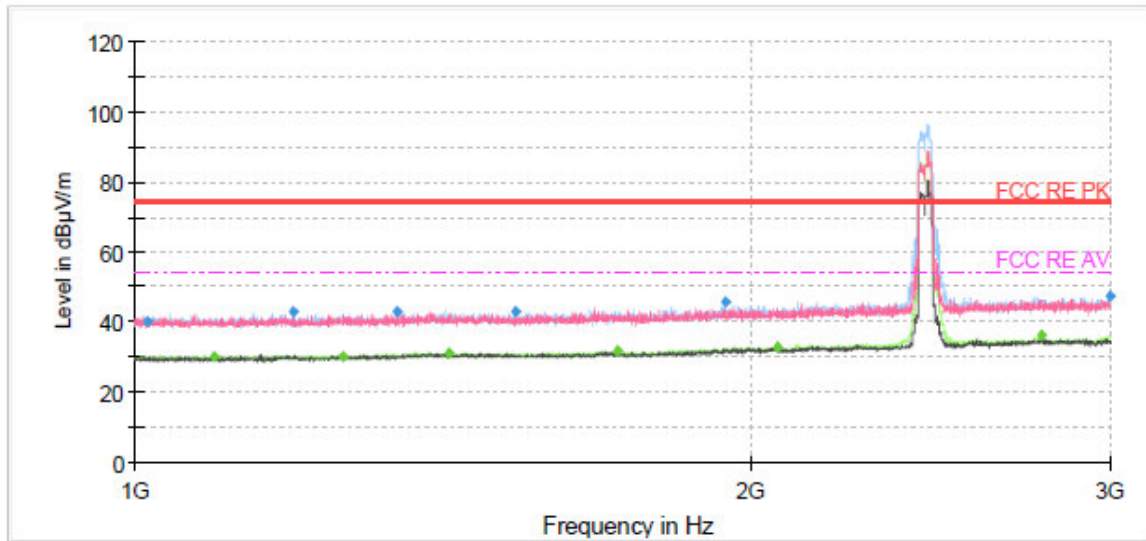
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1016.25	40.80	---	74.00	33.20	500.00	100.0	H	33.00	-12
1017.50	---	29.63	54.00	24.37	500.00	100.0	H	354.00	-12
1148.25	41.84	---	74.00	32.16	500.00	200.0	H	10.00	-12
1179.75	---	30.52	54.00	23.48	500.00	100.0	H	144.00	-12
1392.50	---	31.15	54.00	22.85	500.00	100.0	H	305.00	-11
1401.75	43.20	---	74.00	30.80	500.00	100.0	H	347.00	-11
1687.75	43.04	---	74.00	30.96	500.00	100.0	H	214.00	-10
1700.50	---	31.71	54.00	22.29	500.00	200.0	H	0.00	-10
1997.75	---	32.80	54.00	21.20	500.00	200.0	H	80.00	-8
2006.25	44.72	---	74.00	29.28	500.00	200.0	H	24.00	-8
2946.25	---	34.44	54.00	19.56	500.00	100.0	H	0.00	-5
2949.25	46.22	---	74.00	27.78	500.00	100.0	H	131.00	-5



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)
3232.50	35.85	---	74.00	38.15	500.00	100.0	H	2.00	-14
3243.75	---	24.66	54.00	29.34	500.00	100.0	H	69.00	-14
3960.00	---	27.55	54.00	26.45	500.00	100.0	H	46.00	-11
4036.88	38.58	---	74.00	35.42	500.00	200.0	H	357.00	-12
4843.13	---	31.30	54.00	22.70	500.00	100.0	H	15.00	-10
5411.25	41.44	---	74.00	32.56	500.00	200.0	V	6.00	-8
6733.13	45.19	---	74.00	28.81	500.00	200.0	H	0.00	-2
7282.50	---	34.79	54.00	19.21	500.00	100.0	H	36.00	-1
7741.88	46.30	---	74.00	27.70	500.00	100.0	V	303.00	1
7743.75	---	35.79	54.00	18.21	500.00	200.0	V	309.00	1
9924.38	41.77	---	74.00	32.23	500.00	200.0	H	353.00	1
9931.88	---	29.93	54.00	24.07	500.00	100.0	V	303.00	1

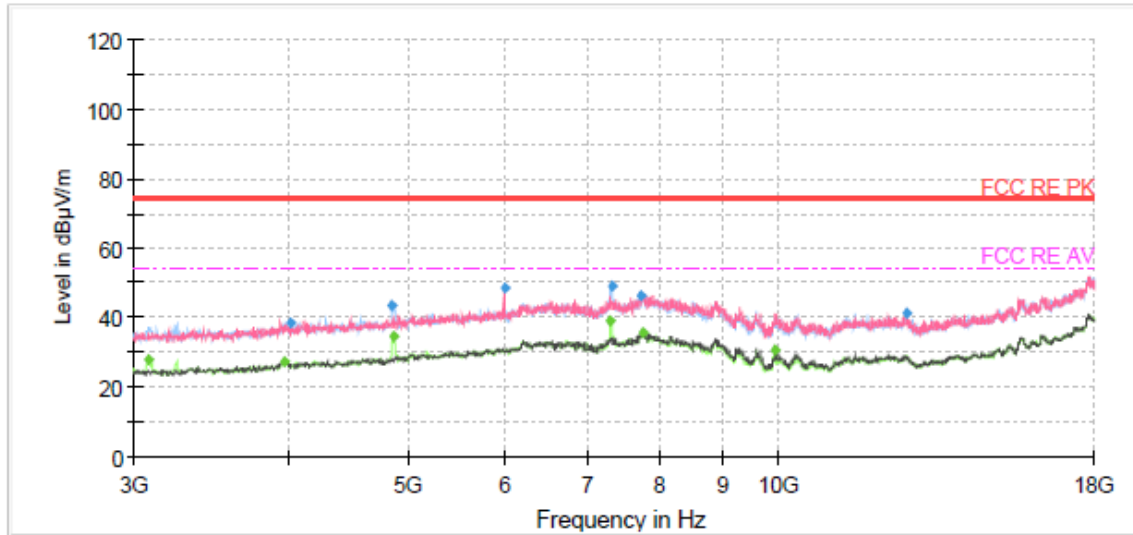
802.11n (HT40) CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

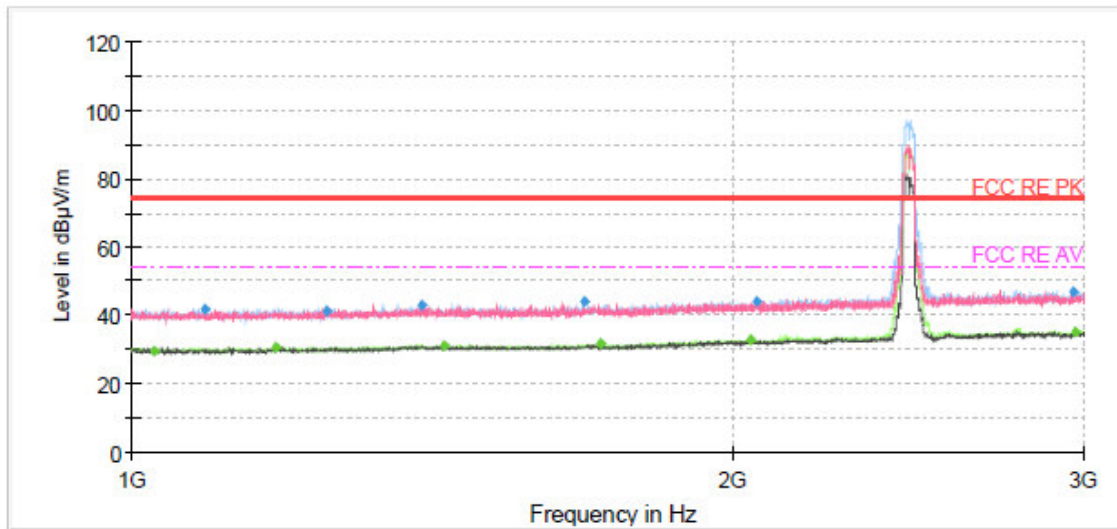
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1013.00	40.44	---	74.00	33.56	500.00	200.0	H	57.00	-12
1092.50	---	30.40	54.00	23.60	500.00	200.0	H	134.00	-12
1195.75	42.80	---	74.00	31.20	500.00	100.0	V	100.00	-12
1263.50	---	30.11	54.00	23.89	500.00	200.0	H	37.00	-11
1344.25	43.01	---	74.00	30.99	500.00	100.0	V	0.00	-11
1424.25	---	31.25	54.00	22.75	500.00	100.0	V	1.00	-11
1534.00	43.06	---	74.00	30.94	500.00	100.0	H	225.00	-11
1721.50	---	31.64	54.00	22.36	500.00	100.0	H	359.00	-10
1945.00	45.70	---	74.00	28.30	500.00	200.0	H	23.00	-8
2064.25	---	32.83	54.00	21.17	500.00	200.0	H	80.00	-8
2775.75	---	36.26	54.00	17.74	500.00	100.0	H	32.00	-5
2998.25	47.21	---	74.00	26.79	500.00	200.0	H	0.00	-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)
3080.63	---	28.07	54.00	25.93	500.00	100.0	H	4.00	-14
3976.88	---	27.10	54.00	26.90	500.00	100.0	V	329.00	-11
4025.63	38.53	---	74.00	35.47	500.00	200.0	H	359.00	-12
4858.13	43.56	---	74.00	30.44	500.00	100.0	H	12.00	-10
4873.13	---	34.55	54.00	19.45	500.00	100.0	H	24.00	-10
5983.13	48.36	---	74.00	25.64	500.00	200.0	V	1.00	-6
7303.13	---	38.80	54.00	15.20	500.00	100.0	H	32.00	-1
7308.75	49.37	---	74.00	24.63	500.00	100.0	H	32.00	-1
7738.13	46.41	---	74.00	27.59	500.00	100.0	V	336.00	1
7747.50	---	35.73	54.00	18.27	500.00	100.0	H	0.00	1
9924.38	---	30.60	54.00	23.40	500.00	100.0	V	216.00	1
12676.88	41.39	---	74.00	32.61	500.00	200.0	V	130.00	5

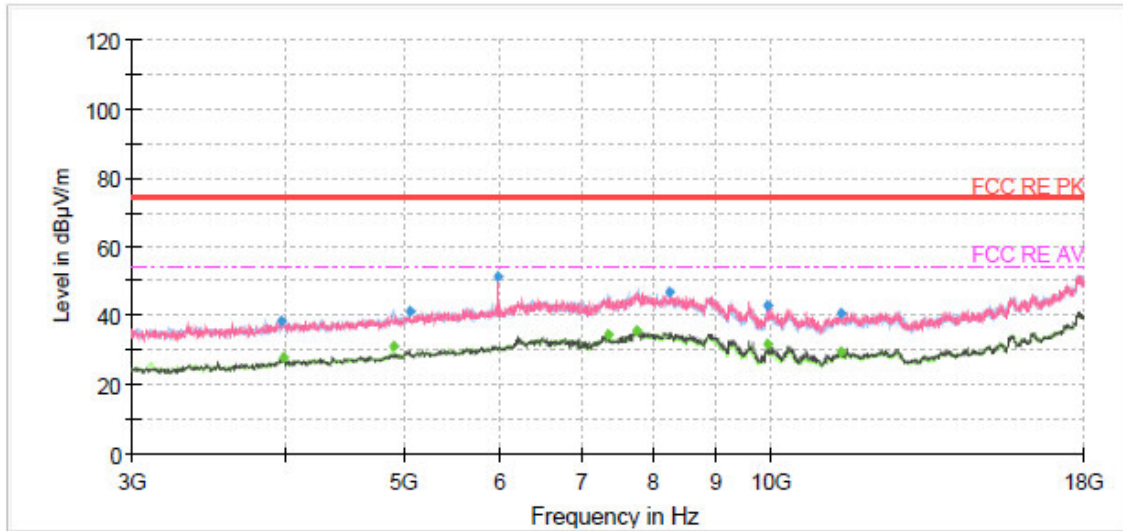
802.11n (HT40) CH9



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

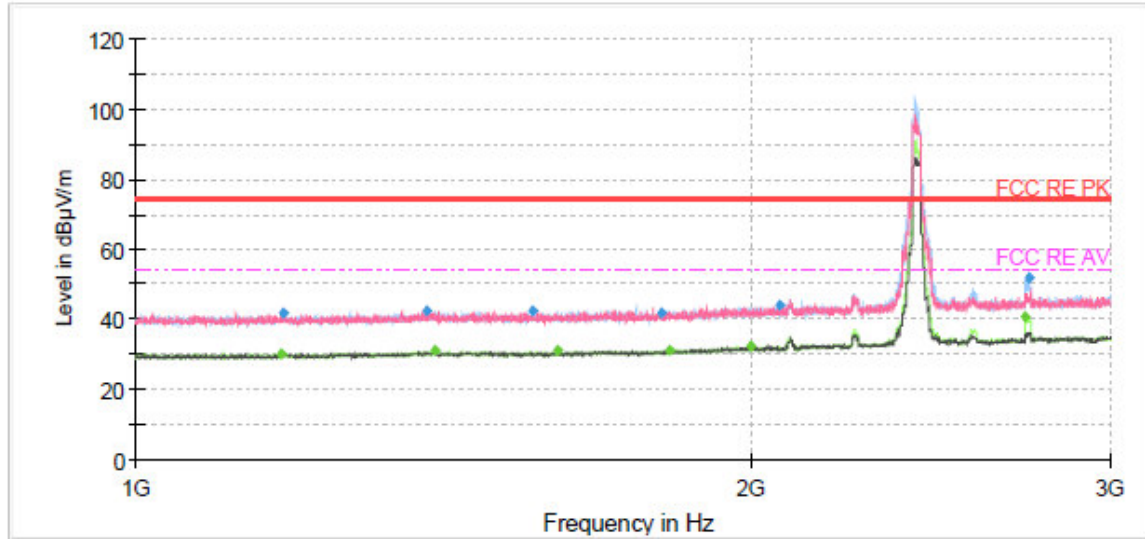
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1026.25	---	29.63	54.00	24.37	500.00	200.0	H	0.00	-12
1089.00	41.97	---	74.00	32.03	500.00	100.0	H	355.00	-12
1182.00	---	30.72	54.00	23.28	500.00	100.0	H	157.00	-12
1252.75	41.52	---	74.00	32.48	500.00	100.0	V	341.00	-12
1398.50	42.71	---	74.00	31.29	500.00	200.0	V	349.00	-11
1435.50	---	31.20	54.00	22.80	500.00	100.0	H	61.00	-11
1685.00	43.89	---	74.00	30.11	500.00	100.0	H	268.00	-10
1718.50	---	31.83	54.00	22.17	500.00	100.0	H	268.00	-10
2043.75	---	32.85	54.00	21.15	500.00	100.0	H	61.00	-8
2055.75	44.28	---	74.00	29.72	500.00	200.0	H	2.00	-8
2968.25	46.68	---	74.00	27.32	500.00	100.0	H	359.00	-5
2970.50	---	34.92	54.00	19.08	500.00	100.0	H	0.00	-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)
3976.88	38.48	---	74.00	35.52	500.00	200.0	V	172.00	-11
3982.50	---	27.69	54.00	26.31	500.00	200.0	H	127.00	-11
4899.38	---	31.07	54.00	22.93	500.00	100.0	H	10.00	-10
5062.50	41.34	---	74.00	32.66	500.00	100.0	V	359.00	-9
5979.38	51.60	---	74.00	22.40	500.00	200.0	V	172.00	-6
7340.63	---	34.79	54.00	19.21	500.00	100.0	H	34.00	-1
7743.75	---	35.88	54.00	18.12	500.00	200.0	V	233.00	1
8261.25	47.15	---	74.00	26.85	500.00	200.0	V	125.00	1
9928.13	43.02	---	74.00	30.98	500.00	100.0	V	23.00	1
9930.00	---	31.71	54.00	22.29	500.00	100.0	V	351.00	1
11392.50	---	29.70	54.00	24.30	500.00	100.0	V	127.00	5
11394.38	40.83	---	74.00	33.17	500.00	100.0	V	158.00	5

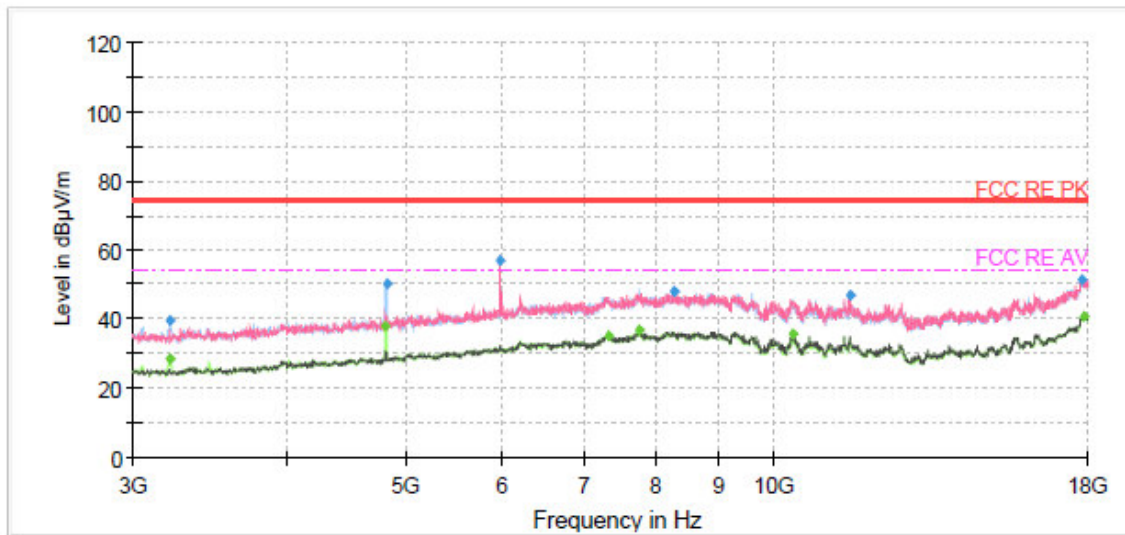
802.11ax HE20 CH 1



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

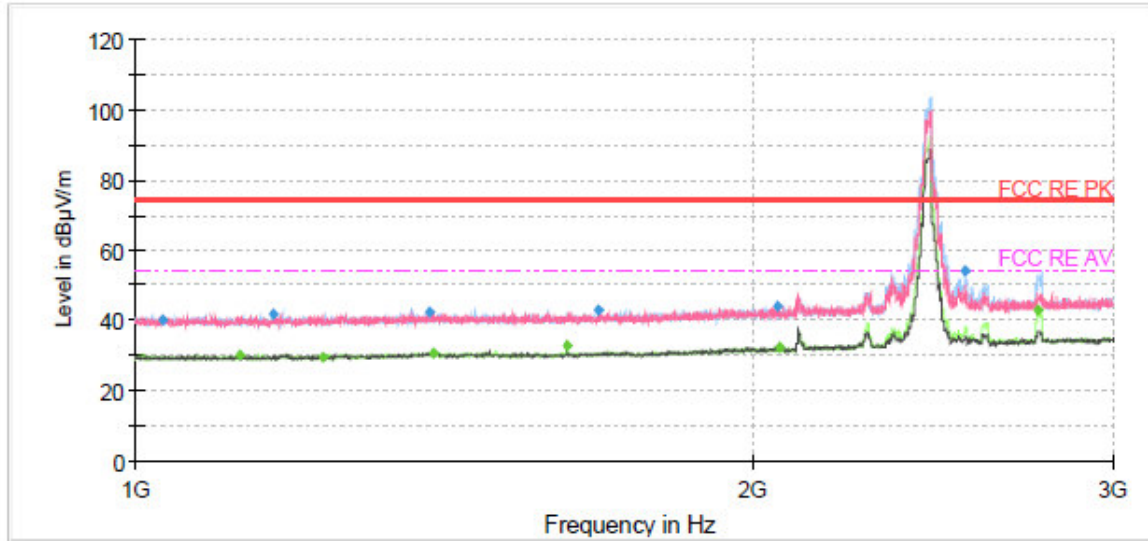
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1178.50	---	30.12	54.00	23.88	500.00	200.0	H	328.00	-12
1181.25	41.88	---	74.00	32.12	500.00	100.0	H	116.00	-12
1389.25	42.59	---	74.00	31.41	500.00	200.0	V	296.00	-11
1402.75	---	31.13	54.00	22.87	500.00	100.0	V	7.00	-11
1564.00	42.58	---	74.00	31.42	500.00	100.0	H	26.00	-11
1607.50	---	31.44	54.00	22.56	500.00	200.0	H	15.00	-11
1809.00	42.05	---	74.00	31.95	500.00	100.0	H	8.00	-10
1824.75	---	31.03	54.00	22.97	500.00	200.0	H	359.00	-9
1998.25	---	32.29	54.00	21.71	500.00	100.0	H	11.00	-8
2067.75	43.87	---	74.00	30.13	500.00	200.0	H	336.00	-8
2727.25	---	40.67	54.00	13.33	500.00	100.0	H	259.00	-5
2738.75	52.00	---	74.00	22.00	500.00	100.0	H	245.00	-5



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)
3215.63	---	28.51	54.00	25.49	500.00	100.0	H	348.00	-14
3215.63	39.78	---	74.00	34.22	500.00	200.0	H	13.00	-14
4818.75	---	37.72	54.00	16.28	500.00	100.0	H	12.00	-10
4826.25	50.20	---	74.00	23.80	500.00	100.0	H	359.00	-10
5975.63	56.75	---	74.00	17.25	500.00	100.0	V	121.00	-6
7310.63	---	35.33	54.00	18.67	500.00	200.0	V	250.00	-1
7751.25	---	36.61	54.00	17.39	500.00	100.0	V	32.00	1
8268.75	47.91	---	74.00	26.09	500.00	100.0	V	261.00	1
10336.88	---	35.44	54.00	18.56	500.00	100.0	V	323.00	2
11503.13	46.72	---	74.00	27.28	500.00	100.0	V	308.00	6
17820.00	51.59	---	74.00	22.41	500.00	200.0	H	4.00	15
17866.88	---	40.94	54.00	13.06	500.00	200.0	V	235.00	15

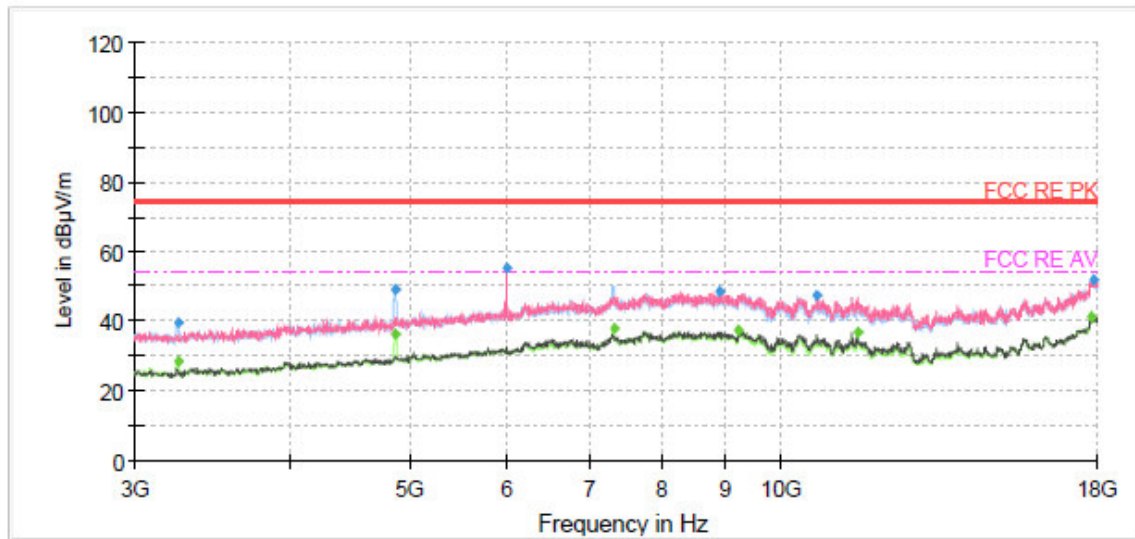
802.11ax HE20 CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

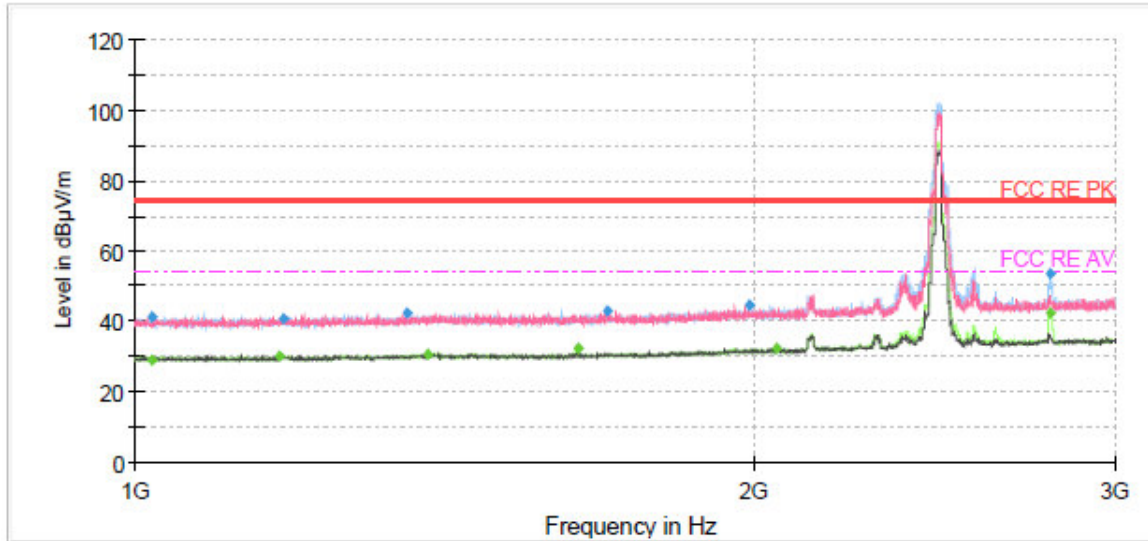
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1031.25	40.35	---	74.00	33.65	500.00	200.0	H	320.00	-12
1125.00	---	30.31	54.00	23.69	500.00	100.0	H	69.00	-12
1168.00	41.95	---	74.00	32.05	500.00	200.0	V	104.00	-12
1234.00	---	29.41	54.00	24.59	500.00	200.0	H	329.00	-12
1392.75	42.45	---	74.00	31.55	500.00	200.0	H	342.00	-11
1399.00	---	30.93	54.00	23.07	500.00	200.0	V	145.00	-11
1624.75	---	32.87	54.00	21.13	500.00	200.0	H	13.00	-10
1682.50	42.96	---	74.00	31.04	500.00	200.0	V	132.00	-10
2058.25	44.22	---	74.00	29.78	500.00	100.0	V	0.00	-8
2061.75	---	32.35	54.00	21.65	500.00	100.0	V	357.00	-8
2542.25	54.28	---	74.00	19.72	500.00	200.0	H	234.00	-6
2759.00	---	42.95	54.00	11.05	500.00	100.0	H	264.00	-5



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)
3247.50	---	28.71	54.00	25.29	500.00	100.0	H	352.00	-14
3255.00	39.72	---	74.00	34.28	500.00	100.0	H	354.00	-14
4865.63	48.95	---	74.00	25.05	500.00	100.0	H	354.00	-10
4871.25	---	36.25	54.00	17.75	500.00	100.0	H	0.00	-10
6000.00	55.10	---	74.00	18.90	500.00	100.0	V	359.00	-6
7308.75	---	37.87	54.00	16.13	500.00	100.0	H	12.00	-1
8895.00	48.30	---	74.00	25.70	500.00	200.0	V	21.00	1
9226.88	---	37.22	54.00	16.78	500.00	100.0	V	8.00	2
10676.25	47.34	---	74.00	26.66	500.00	100.0	V	252.00	3
11505.00	---	36.82	54.00	17.18	500.00	100.0	V	12.00	6
17823.75	---	41.29	54.00	12.71	500.00	200.0	H	111.00	15
17844.38	52.13	---	74.00	21.87	500.00	200.0	V	338.00	15

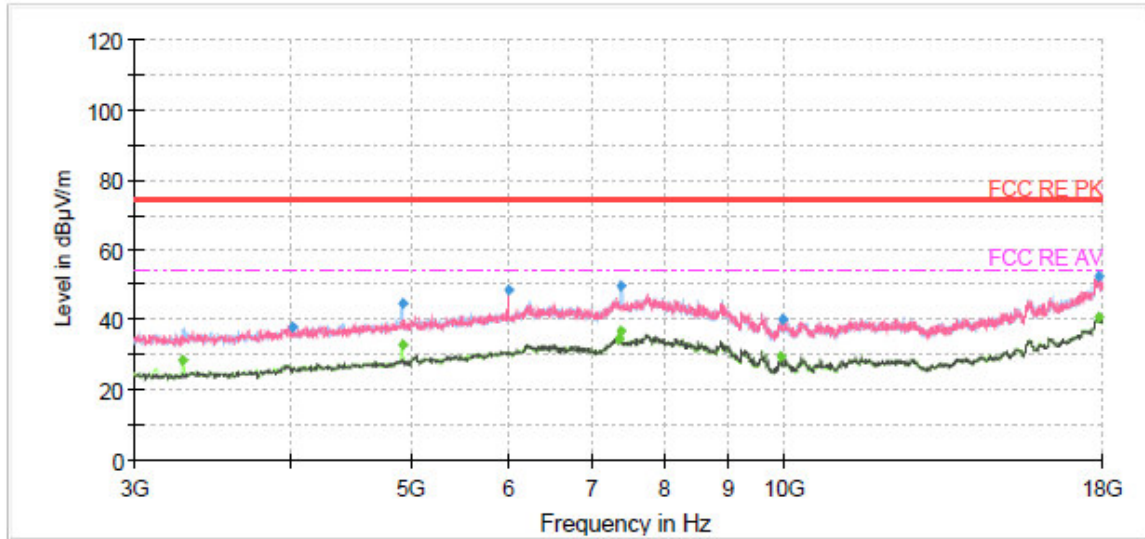
802.11ax HE20 CH11



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)
1019.50	41.49	---	74.00	32.51	500.00	100.0	V	347.00	-12
1019.75	---	29.29	54.00	24.71	500.00	100.0	H	124.00	-12
1174.75	---	30.27	54.00	23.73	500.00	100.0	H	0.00	-12
1180.75	40.87	---	74.00	33.13	500.00	200.0	V	73.00	-12
1356.75	42.46	---	74.00	31.54	500.00	200.0	V	0.00	-11
1388.25	---	30.87	54.00	23.13	500.00	200.0	V	342.00	-11
1641.25	---	32.29	54.00	21.71	500.00	200.0	H	257.00	-10
1697.25	43.00	---	74.00	31.00	500.00	100.0	V	306.00	-10
1989.00	44.50	---	74.00	29.50	500.00	100.0	H	5.00	-8
2053.00	---	32.53	54.00	21.47	500.00	200.0	V	261.00	-8
2788.00	53.31	---	74.00	20.69	500.00	100.0	H	262.00	-5
2788.50	---	42.26	54.00	11.74	500.00	100.0	H	262.00	-5



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)
3281.25	---	28.48	54.00	25.52	500.00	100.0	H	264.00	-14
4018.13	38.06	---	74.00	35.94	500.00	100.0	H	0.00	-12
4918.13	44.47	---	74.00	29.53	500.00	100.0	H	280.00	-10
4923.75	---	32.86	54.00	21.14	500.00	100.0	H	250.00	-10
5988.75	48.63	---	74.00	25.37	500.00	100.0	V	9.00	-6
7335.00	---	34.41	54.00	19.59	500.00	100.0	V	167.00	-1
7383.75	49.83	---	74.00	24.17	500.00	100.0	H	294.00	-1
7389.38	---	37.10	54.00	16.90	500.00	100.0	H	294.00	0
9924.38	---	29.84	54.00	24.16	500.00	200.0	V	332.00	1
9941.25	40.44	---	74.00	33.56	500.00	200.0	V	289.00	1
17844.38	52.28	---	74.00	21.72	500.00	100.0	H	34.00	15
17848.13	---	40.67	54.00	13.33	500.00	100.0	V	18.00	15

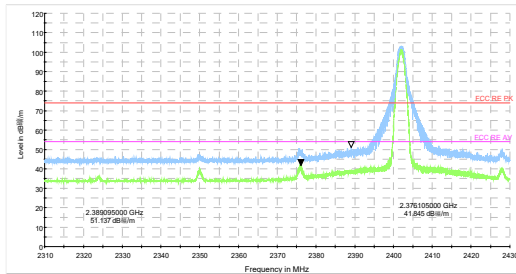
1.2. Bluetooth LE

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.

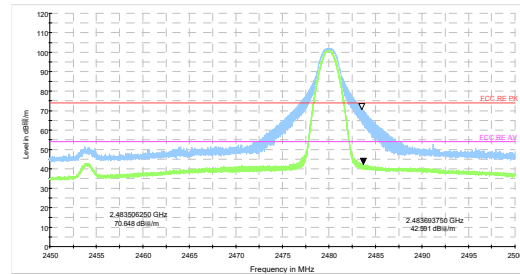
A symbol ($\text{dB}\mu\text{V/m}$) in the test plot below means ($\text{dB}\mu\text{V/m}$)

The signal beyond the limit is carrier.

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. **The following graphs display the maximum values of coaxial and coplanar for 9k-30MHz; horizontal and vertical for above 30MHz by software.**
4. **For below 1GHz**

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

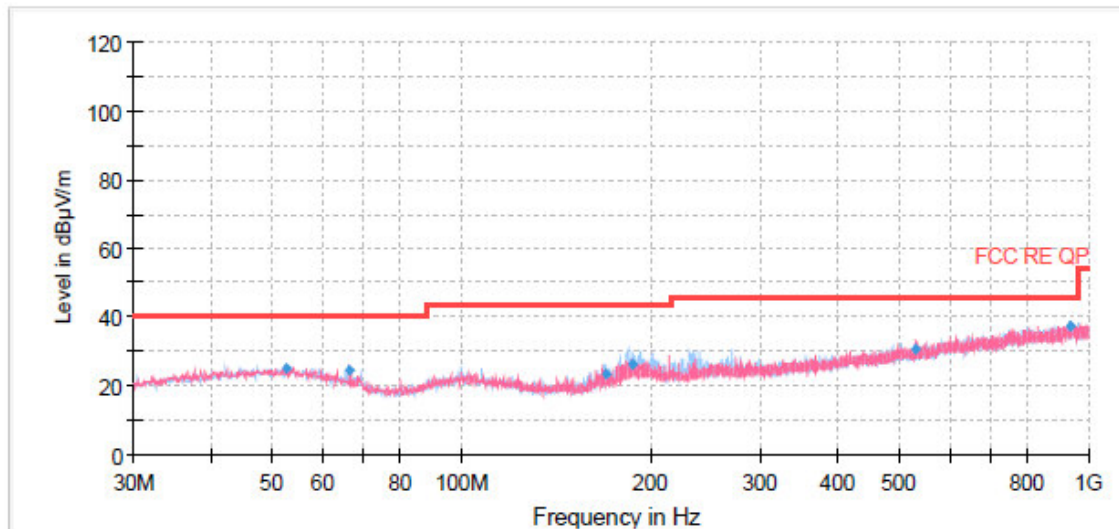
For above 1GHz

 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

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

Continuous TX mode:

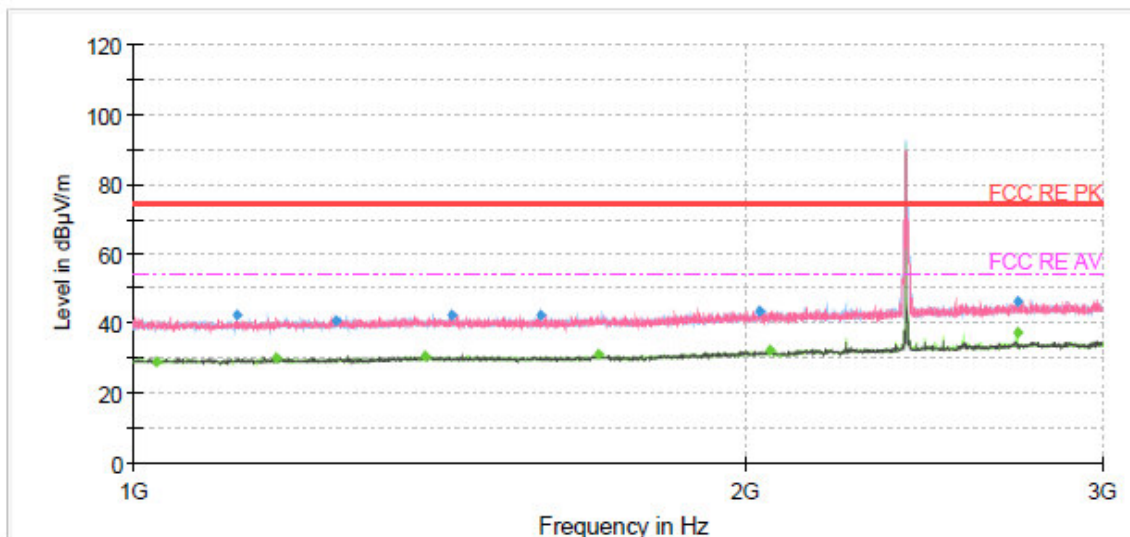
During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels. The test data of the worst-case condition (Bluetooth LE-Channel 19) was recorded in this report.



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)
52.55	24.93	40.00	15.07	100.0	V	356.00	20
66.50	24.36	40.00	15.64	100.0	V	1.00	17
170.29	23.67	43.50	19.83	200.0	H	78.00	16
187.50	26.21	43.50	17.29	100.0	H	83.00	18
531.01	30.78	46.00	15.22	100.0	V	190.00	26
932.46	37.45	46.00	8.55	100.0	V	1.00	32

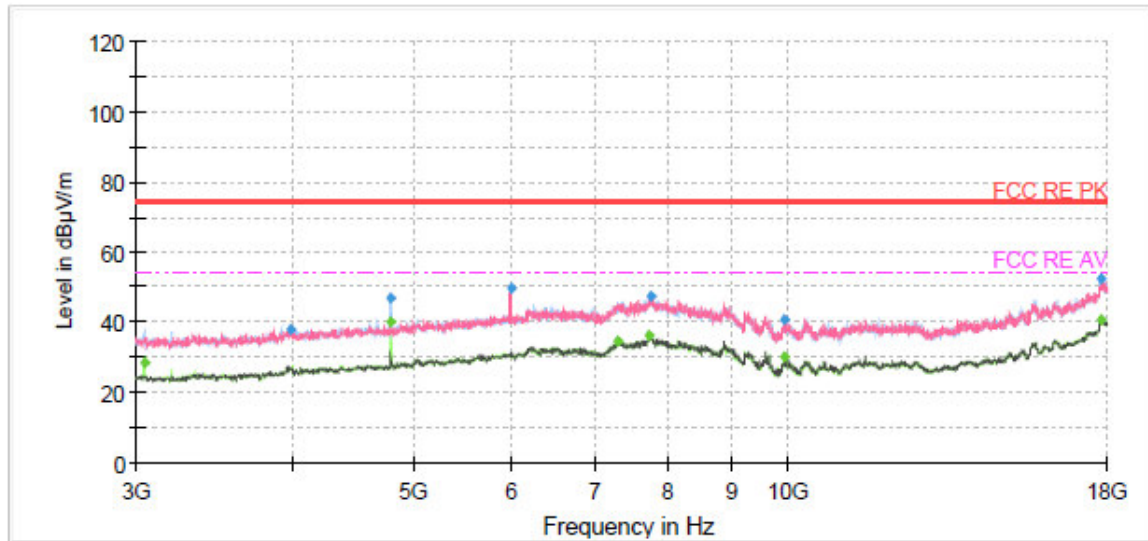
Bluetooth LE-Channel 0



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

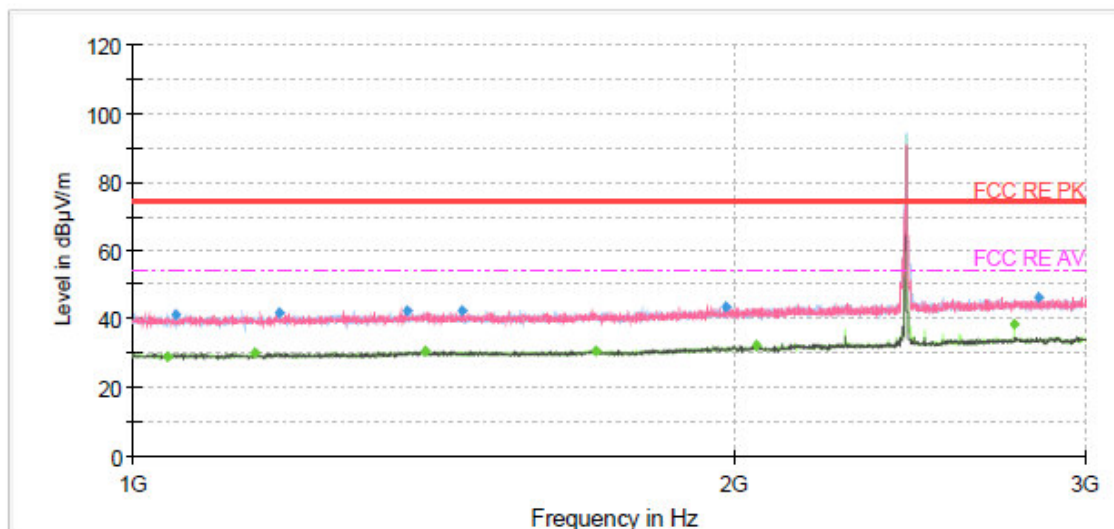
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1027.00	---	28.96	54.00	25.04	500.00	100.0	H	0.00	-12
1125.25	42.17	---	74.00	31.83	500.00	200.0	H	330.00	-12
1174.50	---	30.33	54.00	23.67	500.00	200.0	H	337.00	-12
1256.75	40.79	---	74.00	33.21	500.00	100.0	V	332.00	-12
1391.75	---	30.65	54.00	23.35	500.00	100.0	V	348.00	-11
1434.50	42.42	---	74.00	31.58	500.00	200.0	H	323.00	-11
1588.00	42.43	---	74.00	31.57	500.00	200.0	V	66.00	-11
1693.75	---	31.00	54.00	23.00	500.00	100.0	H	219.00	-10
2035.75	43.34	---	74.00	30.66	500.00	100.0	V	359.00	-8
2058.75	---	32.15	54.00	21.85	500.00	200.0	V	8.00	-8
2722.25	46.49	---	74.00	27.51	500.00	100.0	H	4.00	-5
2722.50	---	37.50	54.00	16.50	500.00	200.0	H	353.00	-5



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	---	28.50	54.00	25.50	500.00	100.0	H	279.00	-14
3990.00	38.15	---	74.00	35.85	500.00	100.0	V	2.00	-11
4801.88	46.75	---	74.00	27.25	500.00	100.0	H	279.00	-10
4803.75	---	40.36	54.00	13.64	500.00	100.0	H	279.00	-10
5983.13	49.74	---	74.00	24.26	500.00	100.0	V	36.00	-6
7295.63	---	34.49	54.00	19.51	500.00	100.0	H	219.00	0
7738.13	---	36.16	54.00	17.84	500.00	200.0	H	125.00	1
7741.88	47.31	---	74.00	26.69	500.00	100.0	H	82.00	1
9924.38	---	30.00	54.00	24.00	500.00	100.0	V	204.00	1
9926.25	40.77	---	74.00	33.23	500.00	200.0	H	26.00	1
17776.88	---	40.92	54.00	13.08	500.00	100.0	V	175.00	14
17820.00	52.20	---	74.00	21.80	500.00	100.0	H	0.00	15

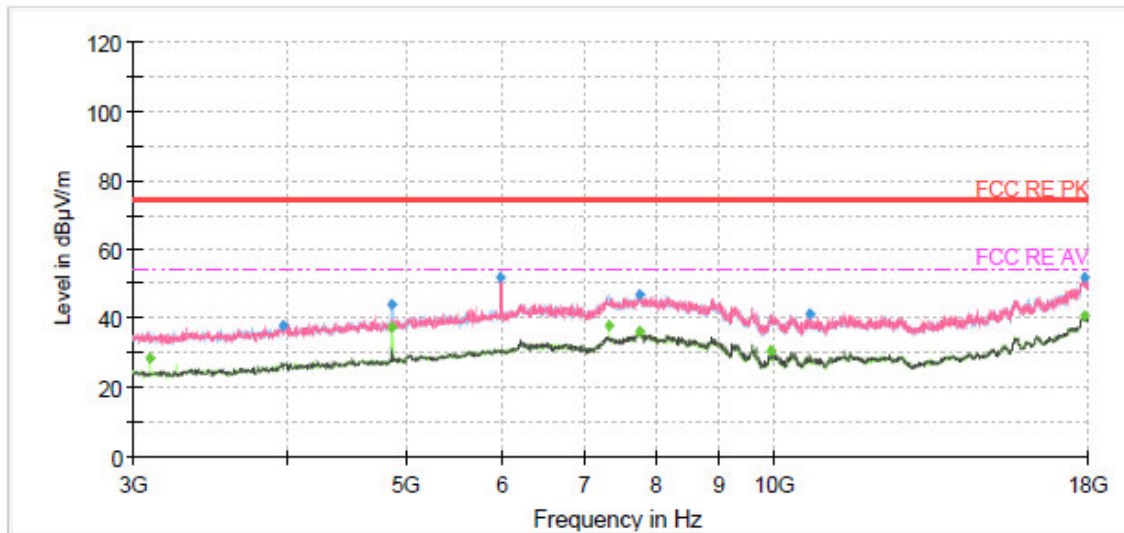
Bluetooth LE-Channel 19



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

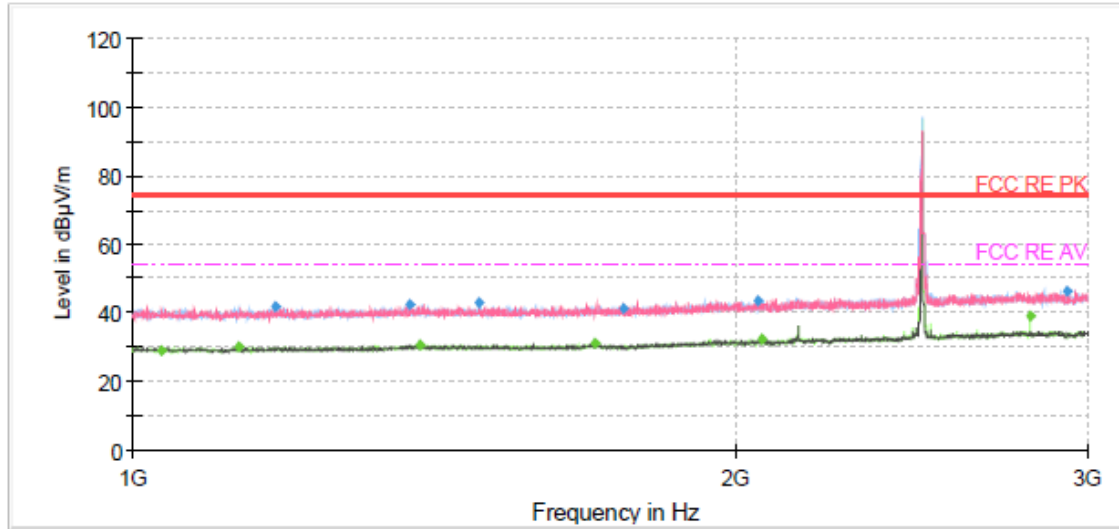
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1040.25	---	29.09	54.00	24.91	500.00	100.0	H	0.00	-12
1050.25	41.39	---	74.00	32.61	500.00	200.0	H	0.00	-12
1152.00	---	30.23	54.00	23.77	500.00	100.0	V	0.00	-12
1182.75	41.83	---	74.00	32.17	500.00	100.0	V	323.00	-12
1371.00	42.33	---	74.00	31.67	500.00	200.0	V	29.00	-11
1400.00	---	30.59	54.00	23.41	500.00	100.0	V	304.00	-11
1460.25	42.56	---	74.00	31.44	500.00	200.0	H	240.00	-11
1705.50	---	30.91	54.00	23.09	500.00	200.0	V	1.00	-10
1984.00	43.46	---	74.00	30.54	500.00	100.0	V	0.00	-8
2050.75	---	32.15	54.00	21.85	500.00	100.0	V	357.00	-8
2765.25	---	38.31	54.00	15.69	500.00	100.0	H	9.00	-5
2840.25	46.44	---	74.00	27.56	500.00	200.0	H	197.00	-5



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	---	28.60	54.00	25.40	500.00	100.0	H	286.00	-14
3973.13	38.04	---	74.00	35.96	500.00	100.0	V	9.00	-11
4878.75	---	37.48	54.00	16.52	500.00	100.0	H	286.00	-10
4878.75	44.29	---	74.00	29.71	500.00	100.0	H	286.00	-10
5975.63	51.99	---	74.00	22.01	500.00	100.0	V	0.00	-6
7320.00	---	37.87	54.00	16.13	500.00	100.0	H	286.00	-1
7740.00	47.07	---	74.00	26.93	500.00	100.0	H	328.00	1
7743.75	---	36.07	54.00	17.93	500.00	200.0	V	254.00	1
9930.00	---	30.94	54.00	23.06	500.00	100.0	V	297.00	1
10672.50	41.32	---	74.00	32.68	500.00	200.0	H	59.00	3
17833.13	51.82	---	74.00	22.18	500.00	200.0	H	12.00	15
17859.38	---	40.93	54.00	13.07	500.00	200.0	H	0.00	15

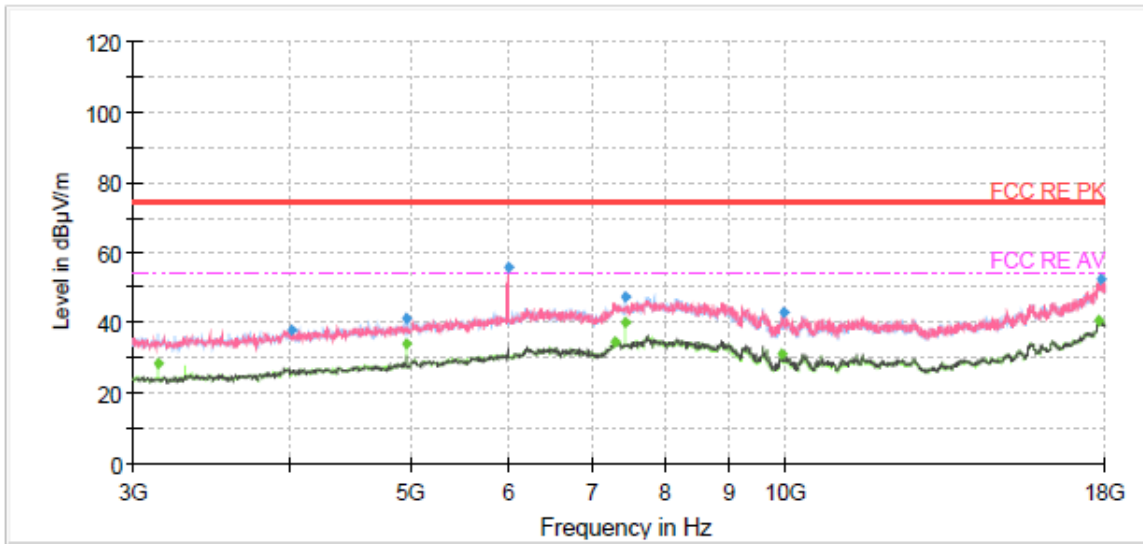
Bluetooth LE-Channel 39



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)
1032.75	---	29.14	54.00	24.86	500.00	100.0	H	79.00	-12
1129.75	---	30.01	54.00	23.99	500.00	100.0	V	286.00	-12
1178.75	41.67	---	74.00	32.33	500.00	100.0	H	0.00	-12
1373.75	42.49	---	74.00	31.51	500.00	100.0	H	177.00	-11
1391.75	---	30.68	54.00	23.32	500.00	200.0	V	7.00	-11
1490.50	42.76	---	74.00	31.24	500.00	200.0	H	358.00	-11
1703.25	---	30.99	54.00	23.01	500.00	100.0	V	141.00	-10
1757.75	41.43	---	74.00	32.57	500.00	100.0	H	79.00	-10
2050.50	43.46	---	74.00	30.54	500.00	200.0	H	0.00	-8
2061.00	---	32.20	54.00	21.80	500.00	100.0	H	93.00	-8
2810.50	---	38.86	54.00	15.14	500.00	100.0	H	67.00	-5
2932.75	46.18	---	74.00	27.82	500.00	100.0	V	70.00	-5



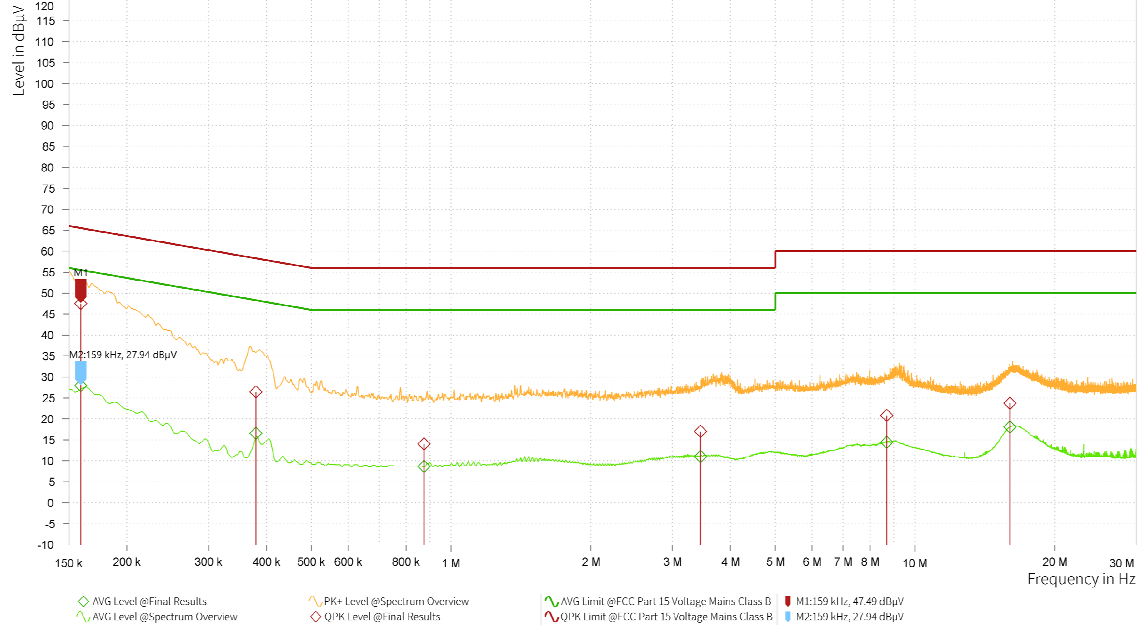
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3140.63	---	28.66	54.00	25.34	500.00	100.0	H	297.00	-14
4020.00	37.73	---	74.00	36.27	500.00	100.0	V	32.00	-12
4959.38	---	34.29	54.00	19.71	500.00	100.0	H	284.00	-10
4959.38	41.16	---	74.00	32.84	500.00	100.0	H	284.00	-10
5983.13	56.06	---	74.00	17.94	500.00	100.0	V	122.00	-6
7290.00	---	34.68	54.00	19.32	500.00	100.0	H	189.00	0
7440.00	47.58	---	74.00	26.42	500.00	100.0	H	297.00	0
7440.00	---	40.20	54.00	13.80	500.00	100.0	H	297.00	0
9924.38	---	31.50	54.00	22.50	500.00	200.0	H	8.00	1
9939.38	42.94	---	74.00	31.06	500.00	100.0	V	166.00	1
17821.88	---	40.82	54.00	13.18	500.00	200.0	H	16.00	15
17836.88	52.69	---	74.00	21.31	500.00	100.0	H	220.00	15

2. Conducted Emission

2.1. Wi-Fi 2.4GHz

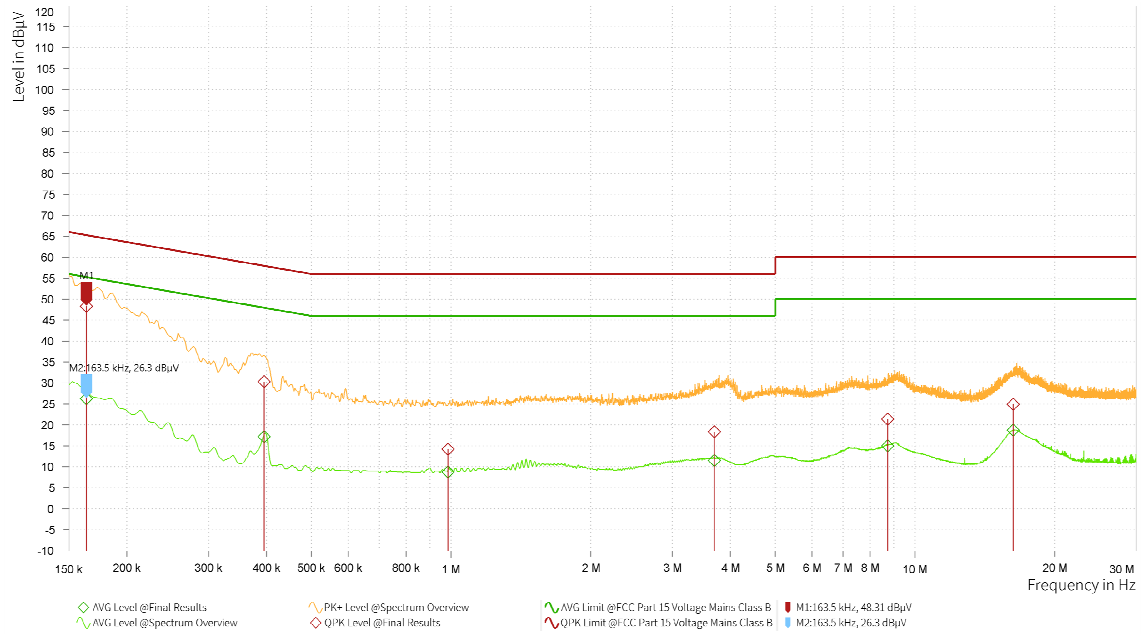
During the test, the Conducted Emission was performed in all modes with all channel. The test data of the worst-case condition (802.11b CH11) was recorded in this report.



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]
0.159	47.49	65.52	18.03	27.94	55.52	27.57	20.90	L1	9.000	1.000
0.380	26.41	58.29	31.88	16.55	48.29	31.74	20.90	L1	9.000	1.000
0.875	14.03	56.00	41.97	8.64	46.00	37.36	20.26	L1	9.000	1.000
3.449	17.04	56.00	38.96	11.02	46.00	34.98	19.45	L1	9.000	1.000
8.691	20.82	60.00	39.18	14.44	50.00	35.56	19.41	L1	9.000	1.000
16.031	23.76	60.00	36.24	18.08	50.00	31.92	19.53	L1	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

L line Conducted Emission from 150 kHz to 30 MHz



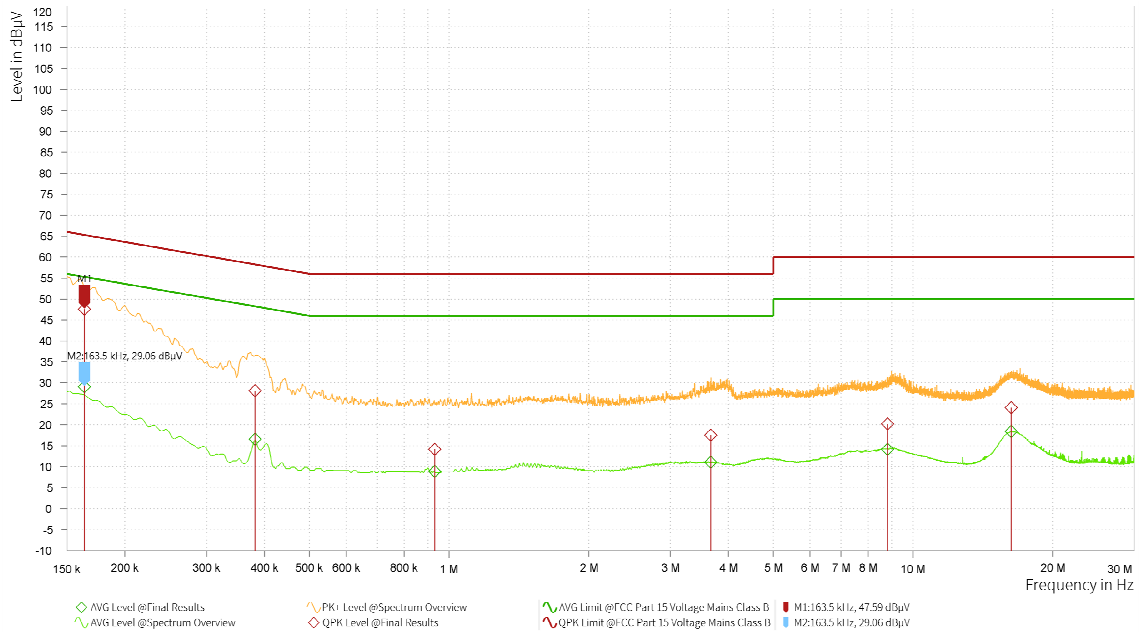
Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	AVG Level [dBµV]	AVG Limit [dBµV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.164	48.31	65.28	16.98	26.30	55.28	28.99	20.90	N	9.000	1.000
0.395	30.29	57.95	27.66	17.21	47.95	30.74	20.89	N	9.000	1.000
0.985	14.19	56.00	41.81	8.80	46.00	37.20	20.18	N	9.000	1.000
3.696	18.38	56.00	37.62	11.52	46.00	34.48	19.45	N	9.000	1.000
8.732	21.40	60.00	38.60	14.98	50.00	35.02	19.42	N	9.000	1.000
16.298	24.95	60.00	35.05	18.77	50.00	31.23	19.58	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

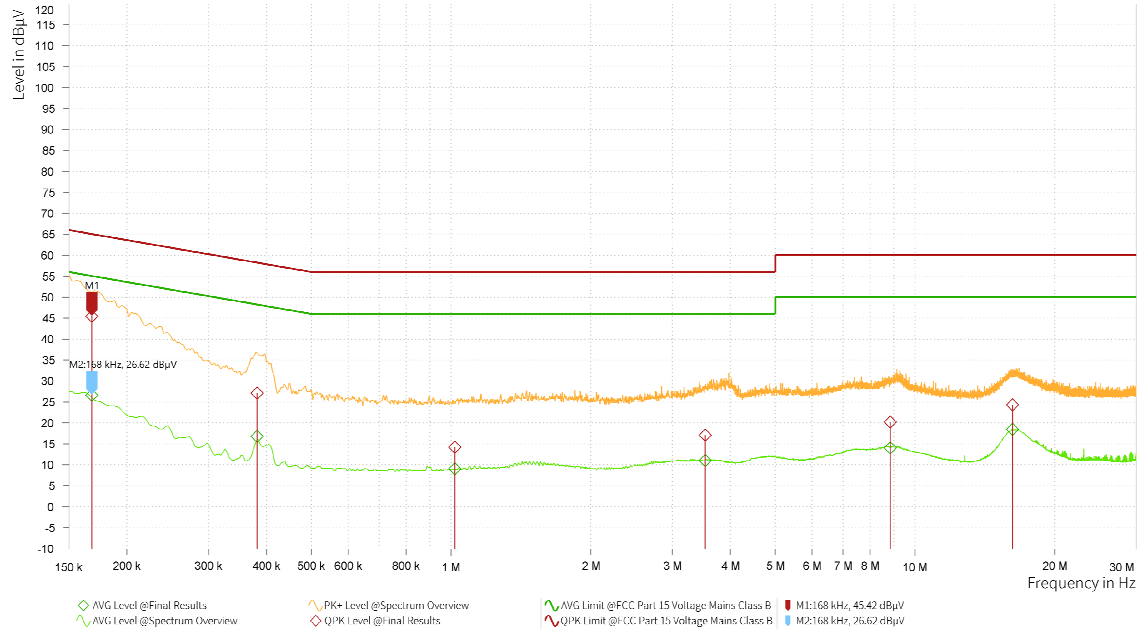
During the test, the Conducted Emission was performed in all modes with all channels. The test data of the worst-case condition (Bluetooth LE-Channel 19) was recorded in this report.



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]
0.164	47.59	65.28	17.70	29.06	55.28	26.23	20.89	L1	9.000	1.000
0.382	28.13	58.24	30.11	16.56	48.24	31.68	20.89	L1	9.000	1.000
0.931	14.15	56.00	41.85	8.91	46.00	37.09	20.22	L1	9.000	1.000
3.667	17.53	56.00	38.47	11.10	46.00	34.90	19.44	L1	9.000	1.000
8.813	20.23	60.00	39.77	14.14	50.00	35.86	19.41	L1	9.000	1.000
16.298	24.08	60.00	35.92	18.43	50.00	31.57	19.54	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]
0.168	45.42	65.06	19.64	26.62	55.06	28.43	20.90	N	9.000	1.000
0.382	27.10	58.24	31.15	16.79	48.24	31.45	20.90	N	9.000	1.000
1.019	14.23	56.00	41.77	9.06	46.00	36.94	20.16	N	9.000	1.000
3.530	17.07	56.00	38.93	11.01	46.00	34.99	19.46	N	9.000	1.000
8.853	20.21	60.00	39.79	14.06	50.00	35.94	19.42	N	9.000	1.000
16.226	24.29	60.00	35.71	18.48	50.00	31.52	19.58	N	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 kHz to 30 MHz