

ANNEX A: Test Result

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

1. Unwanted Emission

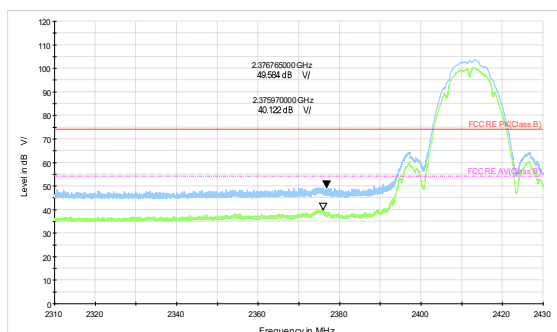
1.1. Wi-Fi 2.4GHz

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.

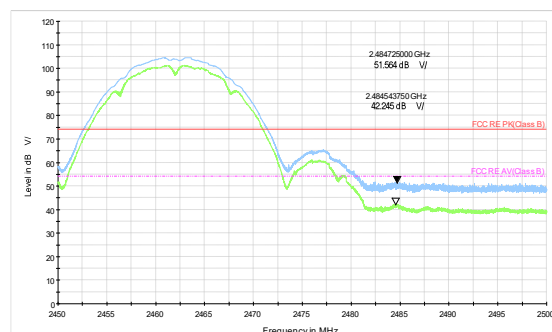
A symbol ($\text{dB } \mu\text{V/m}$) in the test plot below means ($\text{dB}\mu\text{V/m}$)

The modulation and bandwidth are similar for 802.11n mode for 20MHz/40MHz and 802.11ax mode for 20MHz/40MHz, therefore investigated worst case to representative mode in test report.

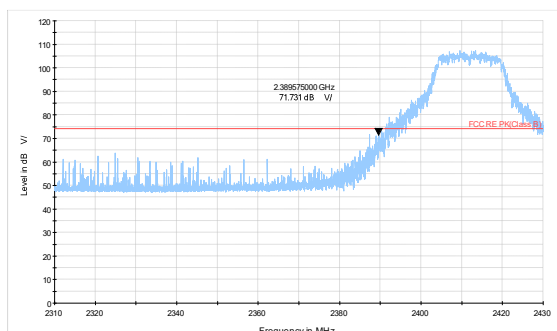
The signal beyond the limit is carrier.



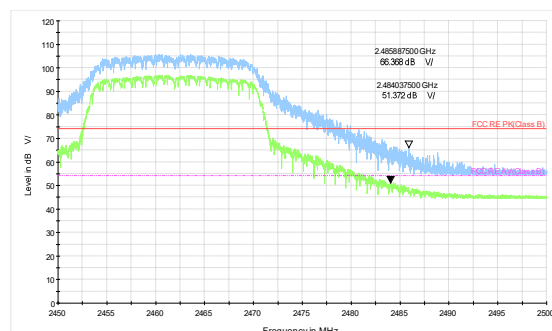
802.11b-Channel 1 Peak+ Average



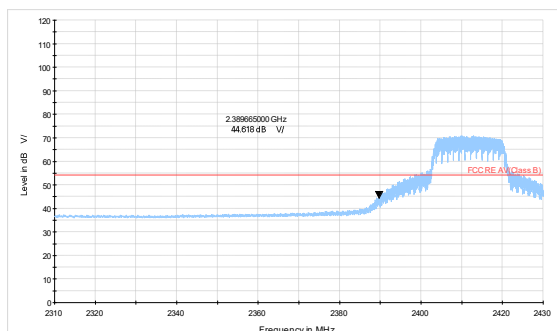
802.11b-Channel 11 Peak+ Average



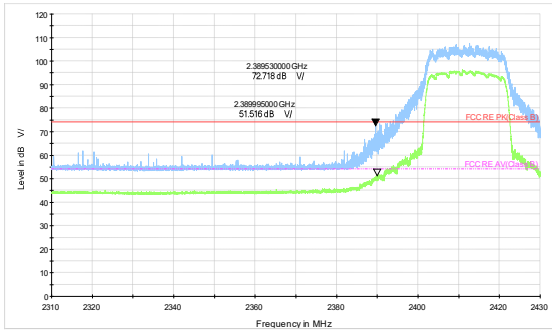
802.11g-Channel 1 Peak



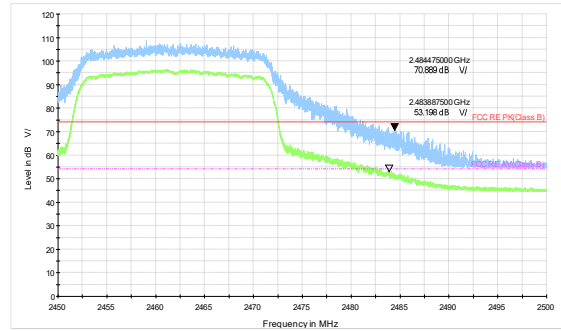
802.11g-Channel 11 Peak+ Average



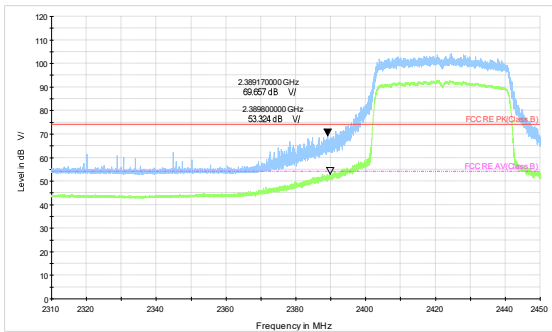
802.11g-Channel 1 Average



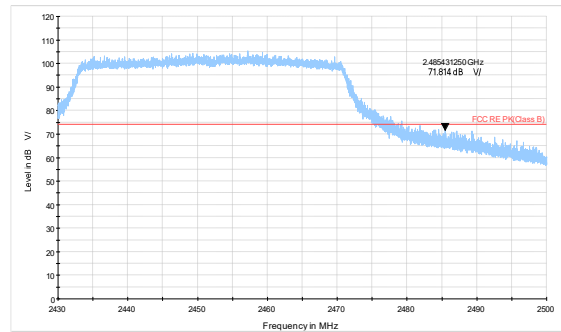
802.11ax HE20-Channel 1 Peak+ Average



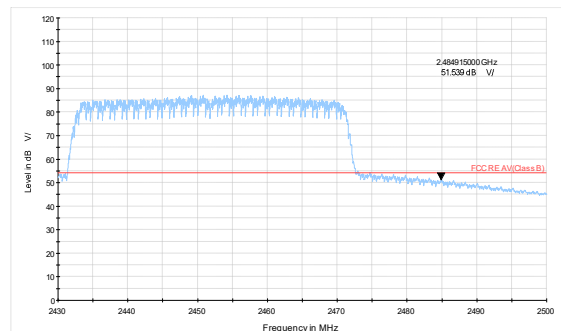
802.11ax HE20-Channel 11 Peak+ Average



802.11ax HE40-Channel 3 Peak+ Average



802.11ax HE40-Channel 9 Peak



802.11ax HE40-Channel 9 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 ($\text{dB}\mu\text{V/m}$)**
4. **The following graphs display the maximum values of horizontal and vertical by software.**
5. **For below 1GHz**

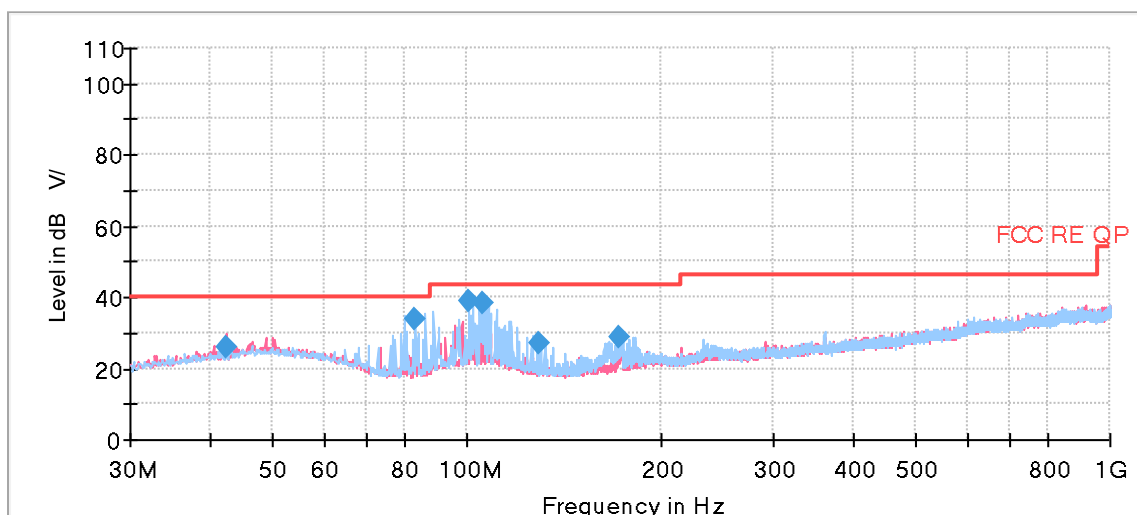
QP Level @Spectrum Overview H QP Level @Spectrum Overview V QP Level @Final Results QP Limit

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

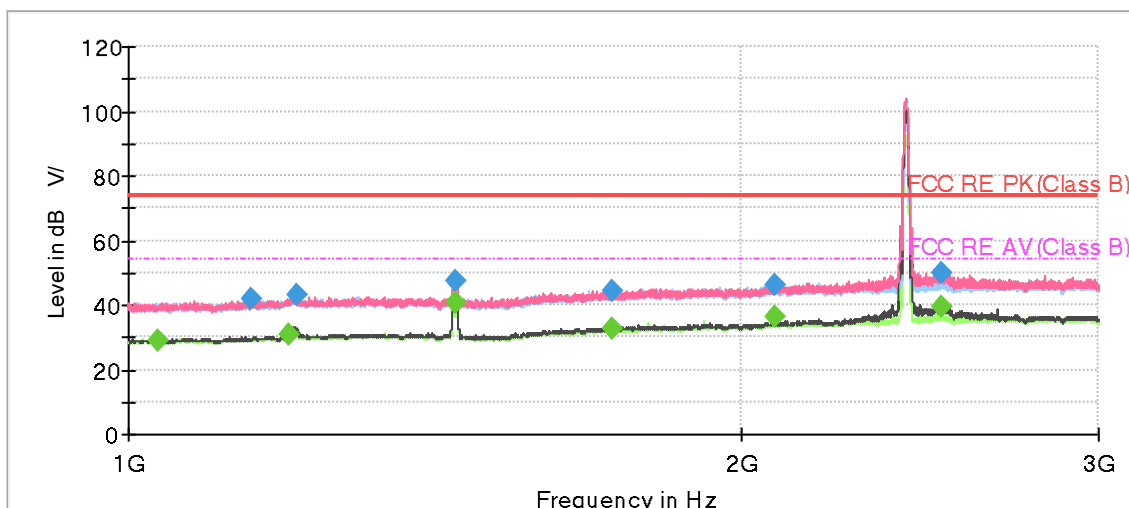
Continuous TX mode:

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 was recorded in this report.



Radiates Emission from 30MHz to 1GHz

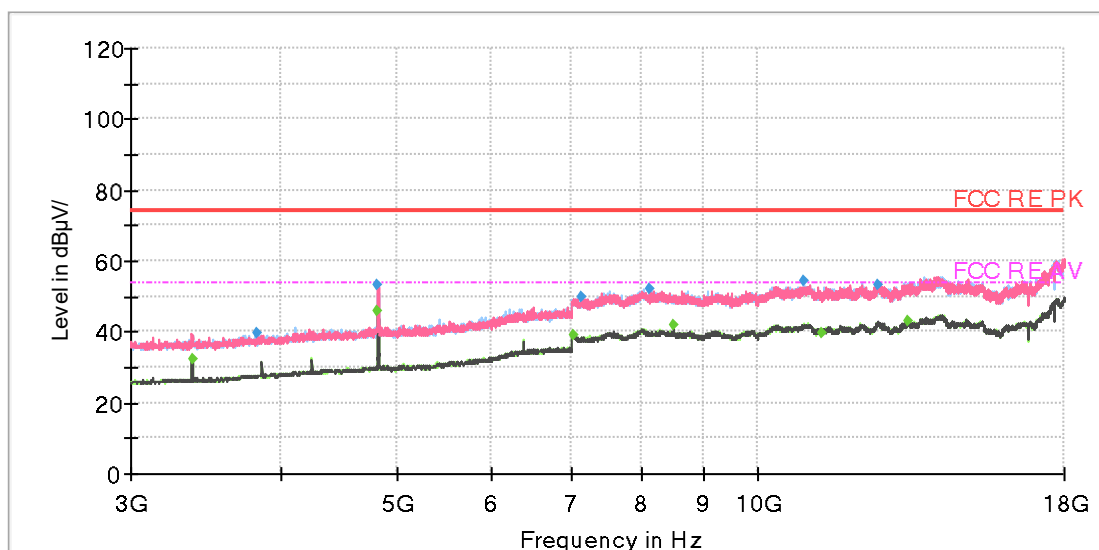
Frequency (MHz)	Quasi-Peak (dB $\mu\text{V/m}$)	Limit (dB $\mu\text{V/m}$)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
42.407500	25.71	40.00	14.29	100.0	V	39.0	19.7
83.188750	33.76	40.00	6.24	210.0	H	329.0	15.7
100.808750	38.78	43.50	4.72	225.0	H	332.0	19.2
105.618750	38.19	43.50	5.31	225.0	H	160.0	19.2
129.586250	27.04	43.50	16.46	179.0	H	1.0	16.0
173.200000	28.97	43.50	14.53	118.0	H	26.0	19.4



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

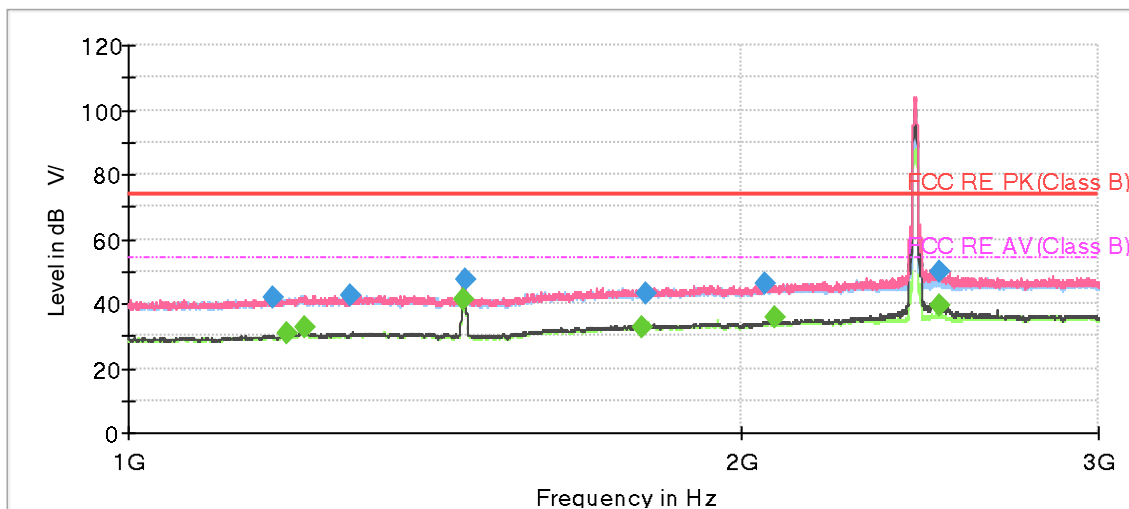
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1034.000000	---	28.98	54.00	25.02	500.0	100.0	H	23.0	-10.5
1149.250000	42.15	---	74.00	31.85	500.0	200.0	H	317.0	-9.8
1200.750000	---	30.81	54.00	23.19	500.0	100.0	V	130.0	-8.8
1210.250000	43.03	---	74.00	30.97	500.0	200.0	H	325.0	-8.7
1448.000000	---	40.86	54.00	13.14	500.0	200.0	V	32.0	-7.3
1448.750000	47.31	---	74.00	26.69	500.0	200.0	V	32.0	-7.2
1729.750000	---	32.31	54.00	21.69	500.0	100.0	H	140.0	-5.8
1731.250000	44.07	---	74.00	29.93	500.0	200.0	V	97.0	-5.8
2079.000000	---	36.24	54.00	17.76	500.0	200.0	H	347.0	-3.9
2080.000000	46.43	---	74.00	27.57	500.0	100.0	V	169.0	-3.9
2510.250000	49.70	---	74.00	24.30	500.0	200.0	V	335.0	-2.1
2510.500000	---	39.49	54.00	14.51	500.0	200.0	V	345.0	-2.1



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)
3375.00	---	32.47	54.00	21.53	500.00	100.0	V	92.00	-10
3825.00	39.75	---	74.00	34.25	500.00	100.0	H	146.00	-9
4822.50	---	45.72	54.00	8.28	500.00	100.0	V	118.00	-7
4822.50	53.11	---	74.00	20.89	500.00	100.0	V	118.00	-7
7025.63	---	39.32	54.00	14.68	500.00	200.0	H	118.00	0
7119.38	50.07	---	74.00	23.93	500.00	200.0	H	2.00	0
8135.63	51.99	---	74.00	22.01	500.00	100.0	V	118.00	2
8495.63	---	41.61	54.00	12.39	500.00	200.0	H	15.00	2
10908.75	54.16	---	74.00	19.84	500.00	200.0	H	2.00	5
11310.00	---	39.86	54.00	14.14	500.00	100.0	H	94.00	5
12588.75	53.00	---	74.00	21.00	500.00	100.0	H	0.00	5
13351.88	---	43.22	54.00	10.78	500.00	200.0	V	0.00	7

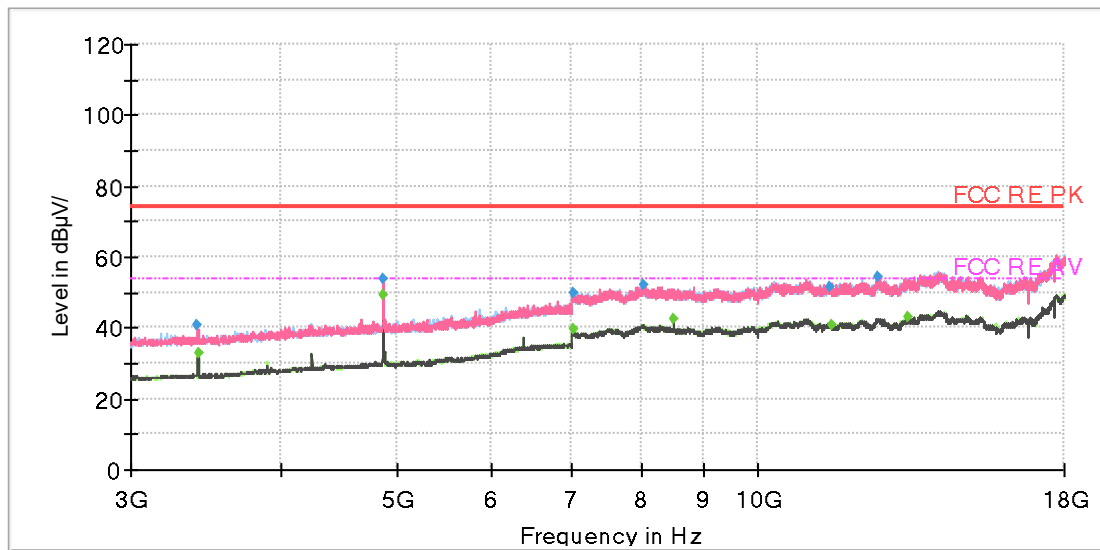
802.11b CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

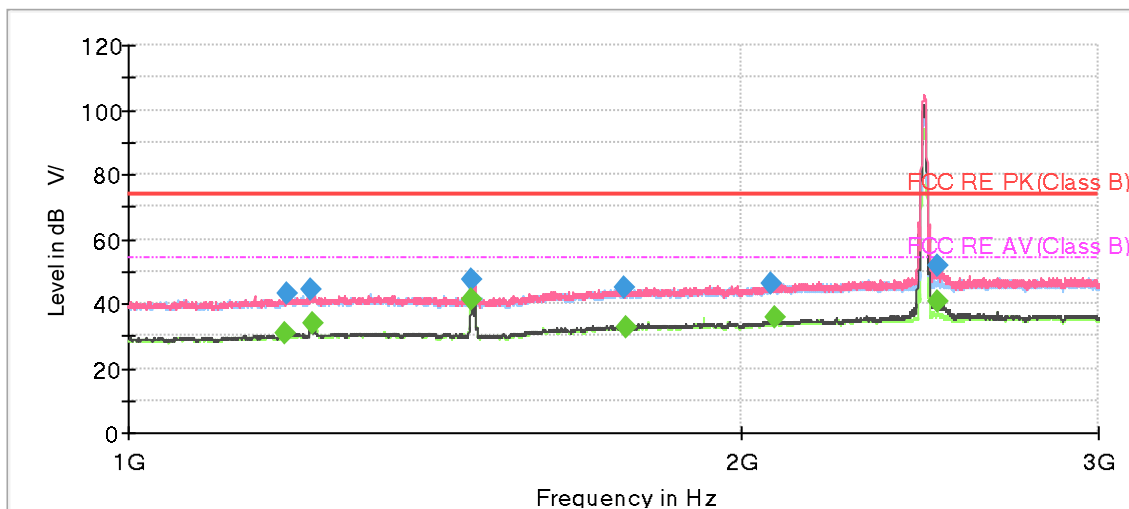
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1178.500000	41.90	---	74.00	32.10	500.0	100.0	H	9.0	-9.2
1198.000000	---	30.68	54.00	23.32	500.0	100.0	V	316.0	-8.8
1220.500000	---	32.87	54.00	21.13	500.0	200.0	H	191.0	-8.7
1285.000000	42.67	---	74.00	31.33	500.0	200.0	V	150.0	-8.3
1463.000000	---	41.50	54.00	12.50	500.0	200.0	V	29.0	-7.2
1464.000000	47.48	---	74.00	26.52	500.0	200.0	V	29.0	-7.2
1787.500000	---	32.41	54.00	21.59	500.0	200.0	H	302.0	-5.5
1798.250000	43.15	---	74.00	30.85	500.0	200.0	H	351.0	-5.4
2057.750000	46.02	---	74.00	27.98	500.0	100.0	V	152.0	-4.1
2078.750000	---	35.94	54.00	18.06	500.0	200.0	H	307.0	-3.9
2508.250000	---	39.59	54.00	14.41	500.0	200.0	V	331.0	-2.1
2508.250000	50.06	---	74.00	23.94	500.0	200.0	V	331.0	-2.1



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)
3410.63	40.61	---	74.00	33.39	500.00	100.0	H	85.00	-10
3412.50	---	32.64	54.00	21.36	500.00	200.0	H	95.00	-10
4873.13	---	49.29	54.00	4.71	500.00	100.0	V	118.00	-6
4873.13	53.89	---	74.00	20.11	500.00	100.0	V	118.00	-6
7005.00	---	39.54	54.00	14.46	500.00	200.0	H	359.00	0
7005.00	49.69	---	74.00	24.31	500.00	200.0	H	359.00	0
8017.50	52.09	---	74.00	21.91	500.00	100.0	H	137.00	2
8495.63	---	42.46	54.00	11.54	500.00	200.0	V	32.00	2
11461.88	51.45	---	74.00	22.55	500.00	200.0	H	355.00	4
11518.13	---	40.50	54.00	13.50	500.00	100.0	H	137.00	5
12573.75	54.57	---	74.00	19.43	500.00	200.0	V	0.00	5
13333.13	---	42.95	54.00	11.05	500.00	200.0	V	0.00	7

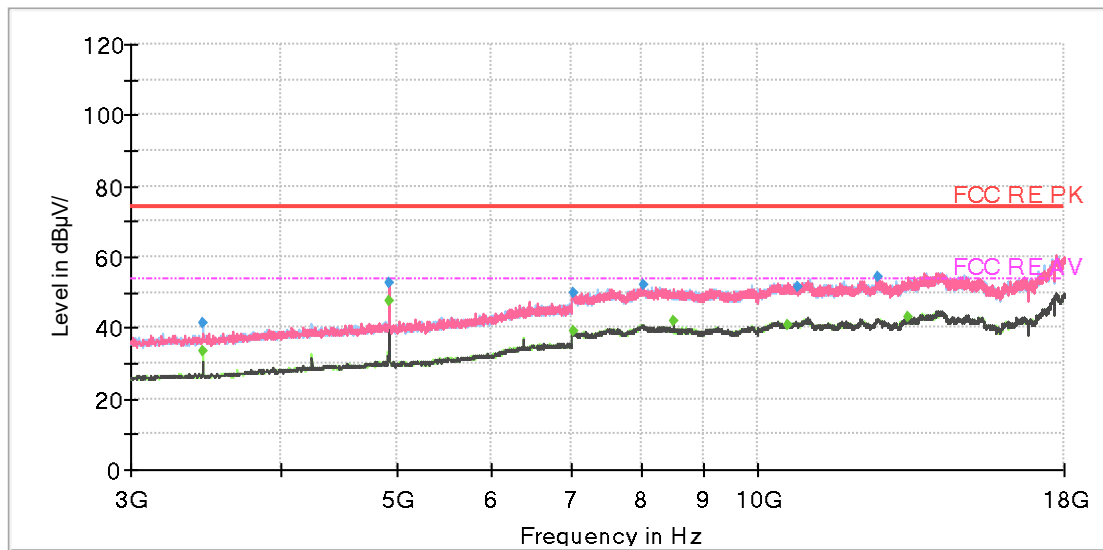
802.11b CH11



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

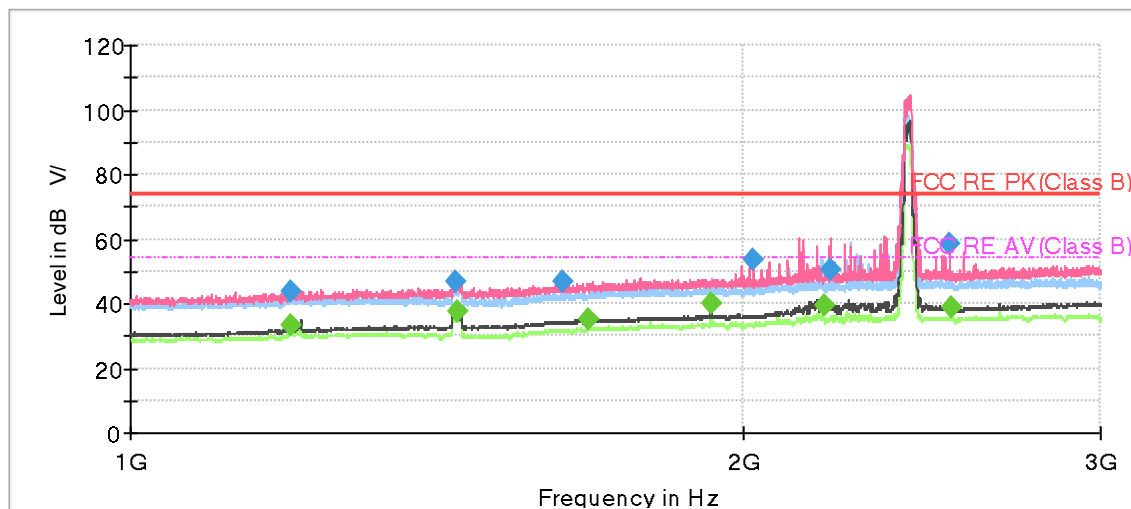
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1195.250000	---	30.64	54.00	23.36	500.0	100.0	V	56.0	-8.9
1197.750000	42.92	---	74.00	31.08	500.0	200.0	H	347.0	-8.8
1228.750000	44.13	---	74.00	29.87	500.0	200.0	H	187.0	-8.7
1232.750000	---	34.14	54.00	19.86	500.0	200.0	H	187.0	-8.7
1476.250000	---	41.28	54.00	12.72	500.0	200.0	H	257.0	-7.1
1476.500000	47.30	---	74.00	26.70	500.0	200.0	H	257.0	-7.1
1755.000000	45.09	---	74.00	28.91	500.0	200.0	H	243.0	-5.8
1756.250000	---	32.79	54.00	21.21	500.0	200.0	H	283.0	-5.7
2071.750000	45.93	---	74.00	28.07	500.0	200.0	V	322.0	-4.0
2079.250000	---	35.95	54.00	18.05	500.0	200.0	H	296.0	-3.9
2498.250000	---	40.69	54.00	13.31	500.0	200.0	V	332.0	-2.1
2502.250000	51.42	---	74.00	22.58	500.0	200.0	V	346.0	-2.1



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)
3444.38	---	33.24	54.00	20.76	500.00	100.0	H	97.00	-10
3446.25	41.13	---	74.00	32.87	500.00	100.0	H	97.00	-10
4923.75	---	47.48	54.00	6.52	500.00	200.0	H	81.00	-6
4923.75	52.91	---	74.00	21.09	500.00	200.0	H	81.00	-6
7018.13	49.76	---	74.00	24.24	500.00	100.0	V	325.00	0
7025.63	---	39.07	54.00	14.93	500.00	200.0	V	14.00	0
8013.75	52.02	---	74.00	21.98	500.00	100.0	V	354.00	2
8495.63	---	41.63	54.00	12.37	500.00	200.0	V	31.00	2
10571.25	---	40.69	54.00	13.31	500.00	100.0	H	10.00	4
10779.38	51.53	---	74.00	22.47	500.00	200.0	H	338.00	4
12607.50	54.43	---	74.00	19.57	500.00	200.0	V	106.00	5
13348.13	---	43.21	54.00	10.79	500.00	100.0	H	124.00	7

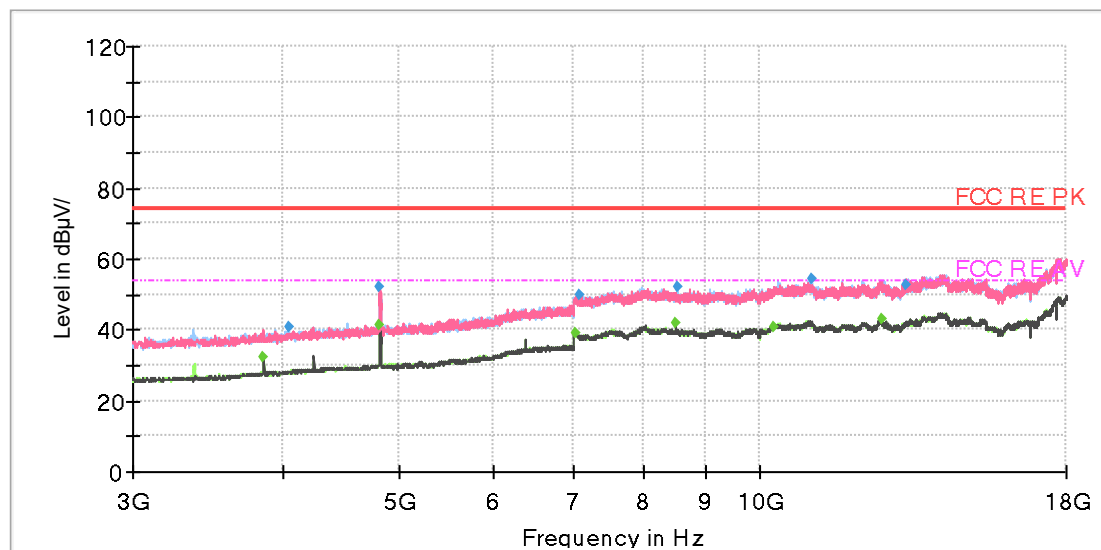
802.11g CH1



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

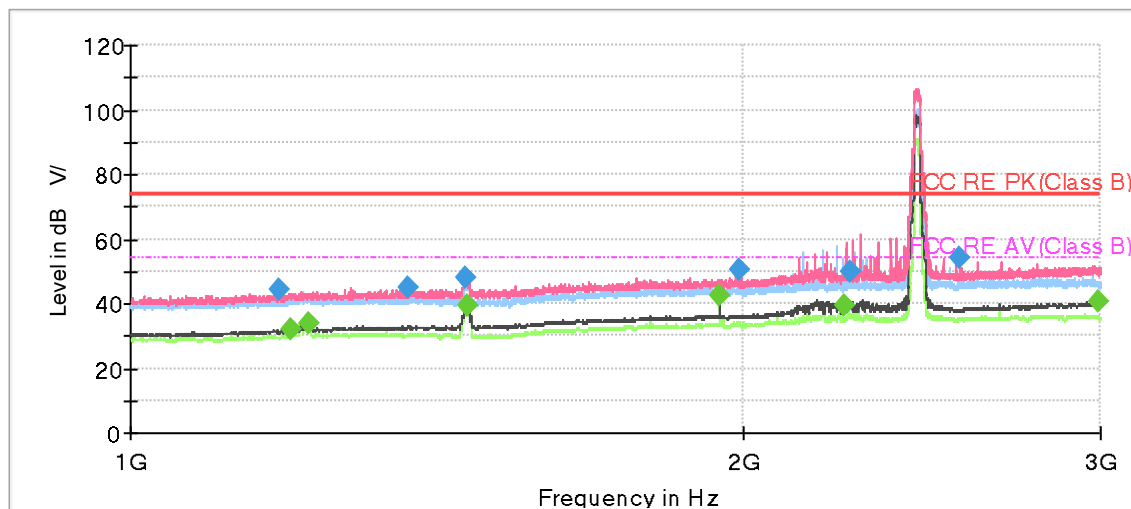
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1199.250000	---	33.39	54.00	20.61	500.0	200.0	V	114.0	-8.8
1199.750000	43.92	---	74.00	30.08	500.0	200.0	V	39.0	-8.8
1444.250000	46.64	---	74.00	27.36	500.0	100.0	V	291.0	-7.3
1448.250000	---	37.84	54.00	16.16	500.0	100.0	V	358.0	-7.3
1630.750000	46.69	---	74.00	27.31	500.0	200.0	V	0.0	-6.2
1679.000000	---	35.09	54.00	18.91	500.0	200.0	V	21.0	-6.0
1929.500000	---	40.14	54.00	13.86	500.0	200.0	H	16.0	-4.8
2023.750000	53.28	---	74.00	20.72	500.0	200.0	V	262.0	-4.4
2195.500000	---	39.43	54.00	14.57	500.0	200.0	V	318.0	-3.4
2212.250000	50.26	---	74.00	23.74	500.0	200.0	V	339.0	-3.3
2528.500000	58.17	---	74.00	15.83	500.0	200.0	V	350.0	-2.2
2532.750000	---	38.67	54.00	15.33	500.0	200.0	V	61.0	-2.2



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)
3858.75	---	32.30	54.00	21.70	500.00	200.0	V	241.00	-9
4042.50	40.57	---	74.00	33.43	500.00	200.0	H	0.00	-8
4822.50	---	41.39	54.00	12.61	500.00	100.0	H	0.00	-7
4822.50	51.93	---	74.00	22.07	500.00	200.0	V	0.00	-7
7005.00	---	39.07	54.00	14.93	500.00	200.0	V	0.00	0
7070.63	49.90	---	74.00	24.10	500.00	200.0	H	358.00	0
8495.63	---	41.92	54.00	12.08	500.00	200.0	V	33.00	2
8538.75	51.82	---	74.00	22.18	500.00	100.0	H	294.00	2
10282.50	---	40.48	54.00	13.52	500.00	100.0	H	345.00	3
11036.25	54.48	---	74.00	19.52	500.00	200.0	H	354.00	5
12620.63	---	42.95	54.00	11.05	500.00	200.0	H	300.00	5
13239.38	52.48	---	74.00	21.52	500.00	200.0	V	214.00	7

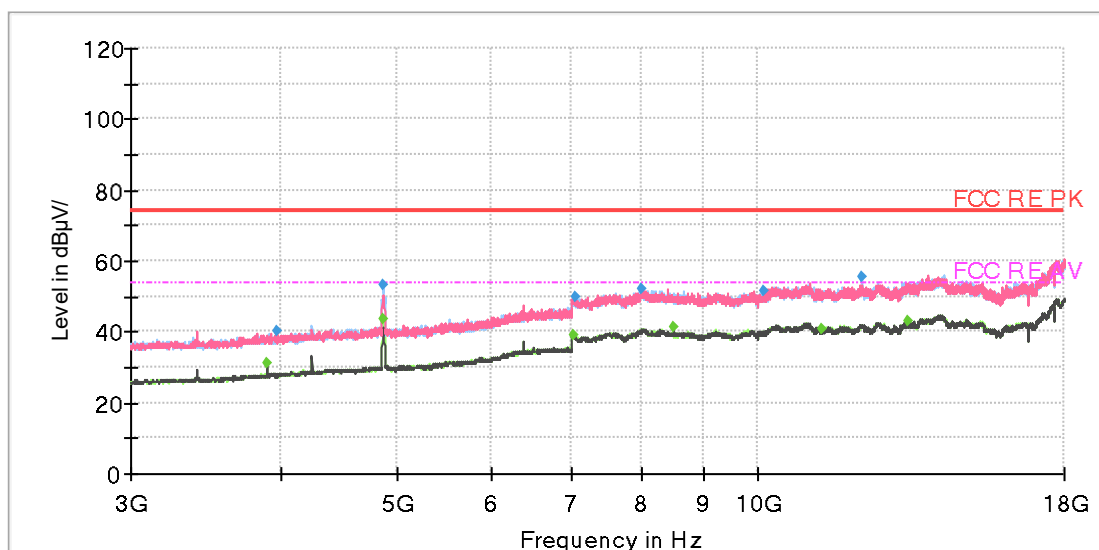
802.11g CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

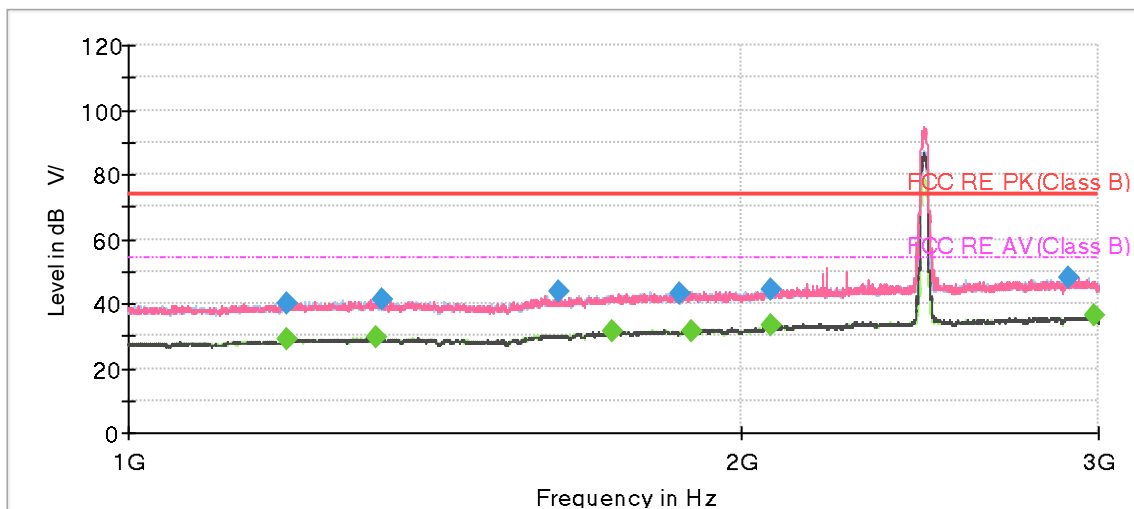
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1183.250000	44.03	---	74.00	29.97	500.0	200.0	V	75.0	-9.1
1199.750000	---	32.23	54.00	21.77	500.0	200.0	V	136.0	-8.8
1225.000000	---	33.98	54.00	20.02	500.0	200.0	V	153.0	-8.7
1368.500000	44.72	---	74.00	29.28	500.0	200.0	V	140.0	-7.7
1461.250000	48.29	---	74.00	25.71	500.0	200.0	V	23.0	-7.2
1464.000000	---	39.15	54.00	14.85	500.0	200.0	V	23.0	-7.2
1949.500000	---	42.68	54.00	11.32	500.0	200.0	H	11.0	-4.7
1993.750000	50.64	---	74.00	23.36	500.0	200.0	V	317.0	-4.6
2247.250000	---	39.12	54.00	14.88	500.0	200.0	V	342.0	-3.1
2262.000000	50.03	---	74.00	23.97	500.0	200.0	V	1.0	-3.0
2556.750000	54.28	---	74.00	19.72	500.0	100.0	V	330.0	-2.1
2994.000000	---	40.74	54.00	13.26	500.0	200.0	V	119.0	-0.6



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)
3898.13	---	30.85	54.00	23.15	500.00	100.0	V	63.00	-9
3967.50	39.99	---	74.00	34.01	500.00	200.0	V	21.00	-8
4869.38	---	43.75	54.00	10.25	500.00	100.0	H	138.00	-6
4871.25	53.49	---	74.00	20.51	500.00	100.0	H	138.00	-6
7008.75	---	39.26	54.00	14.74	500.00	200.0	V	122.00	0
7048.13	49.86	---	74.00	24.14	500.00	200.0	V	0.00	0
7987.50	52.06	---	74.00	21.94	500.00	200.0	H	359.00	2
8495.63	---	41.56	54.00	12.44	500.00	200.0	H	15.00	2
10117.50	51.29	---	74.00	22.71	500.00	100.0	H	189.00	3
11317.50	---	40.77	54.00	13.23	500.00	200.0	H	226.00	5
12196.88	55.27	---	74.00	18.73	500.00	200.0	H	359.00	5
13350.00	---	42.90	54.00	11.10	500.00	100.0	H	270.00	7

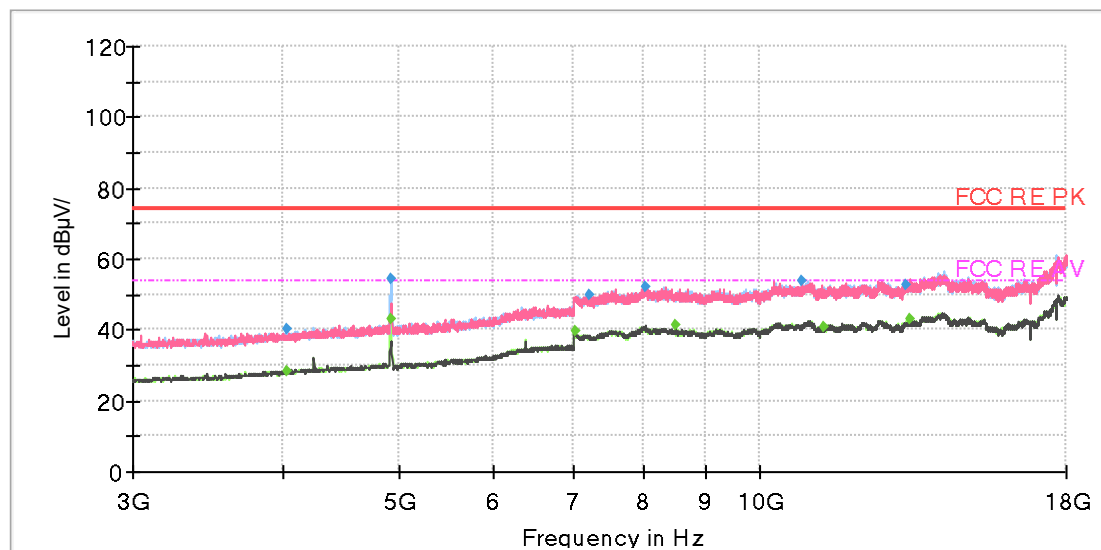
802.11g CH11



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

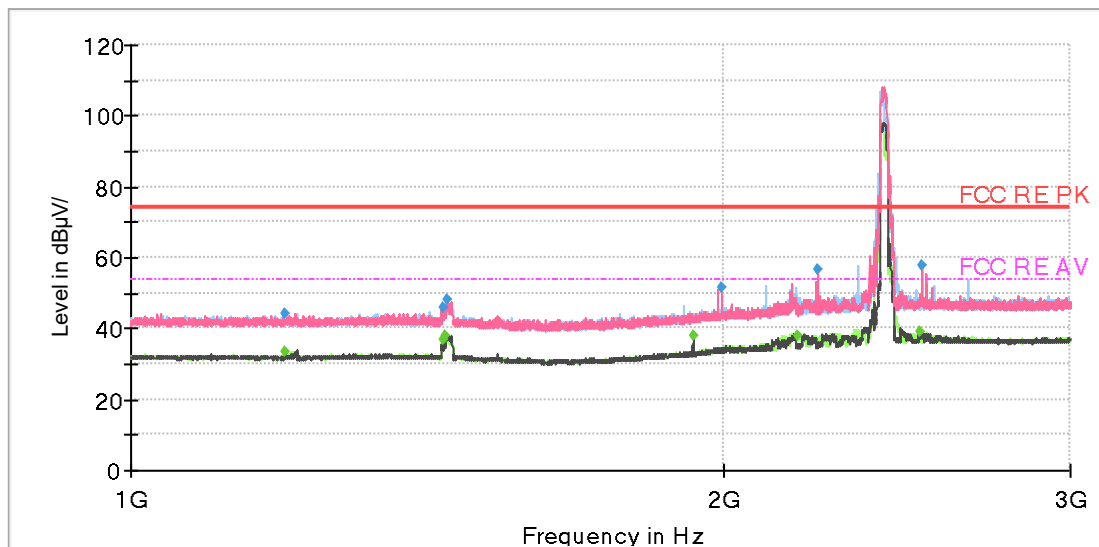
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1195.750000	---	28.83	54.00	25.17	500.0	100.0	V	134.0	-8.9
1196.750000	40.30	---	74.00	33.70	500.0	200.0	H	122.0	-8.9
1323.250000	---	29.56	54.00	24.44	500.0	200.0	V	0.0	-8.0
1331.750000	41.04	---	74.00	32.96	500.0	100.0	H	0.0	-8.0
1629.750000	43.41	---	74.00	30.59	500.0	200.0	V	238.0	-6.2
1731.750000	---	31.38	54.00	22.62	500.0	200.0	V	294.0	-5.8
1869.250000	43.08	---	74.00	30.92	500.0	100.0	V	96.0	-5.1
1890.750000	---	31.34	54.00	22.66	500.0	100.0	H	92.0	-5.1
2072.500000	44.22	---	74.00	29.78	500.0	200.0	V	30.0	-4.0
2073.000000	---	32.99	54.00	21.01	500.0	100.0	H	0.0	-4.0
2899.250000	48.20	---	74.00	25.80	500.0	200.0	H	261.0	-1.0
2989.000000	---	36.60	54.00	17.40	500.0	200.0	V	0.0	-0.6



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)
4029.38	---	28.55	54.00	25.45	500.00	200.0	H	344.00	-8
4035.00	40.16	---	74.00	33.84	500.00	100.0	H	138.00	-8
4920.00	54.52	---	74.00	19.48	500.00	100.0	H	138.00	-6
4921.88	---	42.83	54.00	11.17	500.00	100.0	H	138.00	-6
7023.75	---	39.40	54.00	14.60	500.00	200.0	V	6.00	0
7200.00	50.05	---	74.00	23.95	500.00	200.0	H	195.00	0
8028.75	52.08	---	74.00	21.92	500.00	100.0	H	61.00	2
8495.63	---	41.52	54.00	12.48	500.00	200.0	H	0.00	2
10826.25	53.84	---	74.00	20.16	500.00	200.0	V	0.00	4
11323.13	---	40.89	54.00	13.11	500.00	200.0	H	168.00	5
13211.25	52.92	---	74.00	21.08	500.00	200.0	V	2.00	7
13348.13	---	42.78	54.00	11.22	500.00	100.0	H	24.00	7

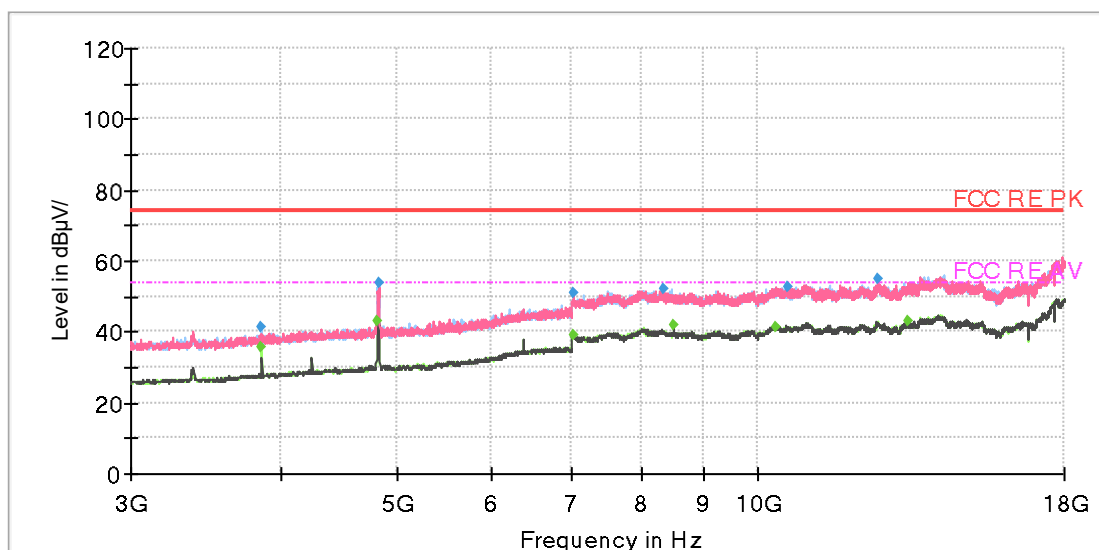
802.11ax HE20 CH 1



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

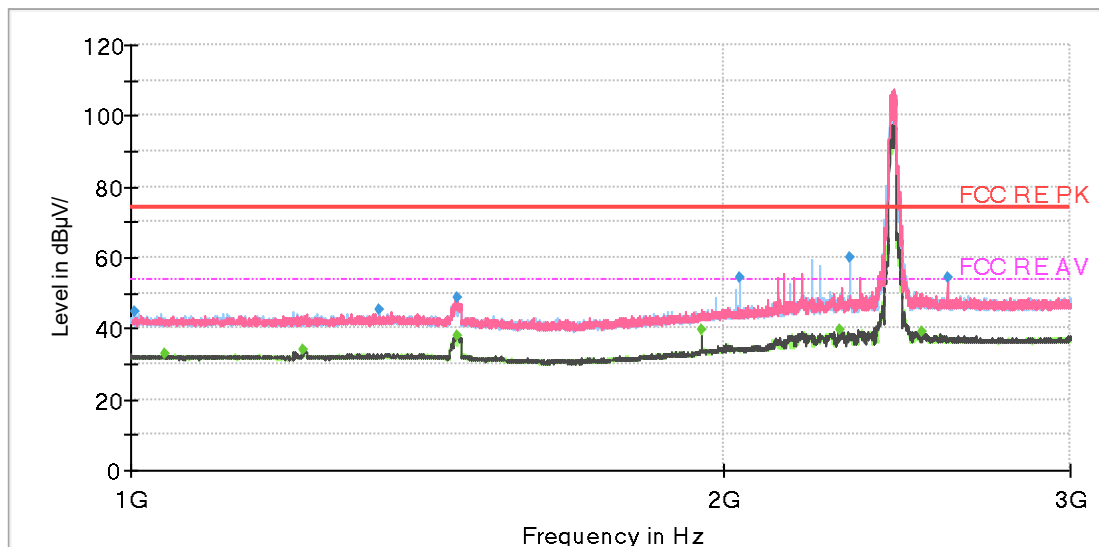
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1196.75	---	33.43	54.00	20.57	500.00	200.0	H	273.00	-5
1197.50	44.05	---	74.00	29.95	500.00	100.0	H	281.00	-5
1441.25	---	36.66	54.00	17.34	500.00	100.0	H	306.00	-4
1441.50	46.04	---	74.00	27.96	500.00	100.0	H	306.00	-4
1446.00	---	38.09	54.00	15.91	500.00	100.0	V	302.00	-4
1446.25	48.30	---	74.00	25.70	500.00	100.0	V	302.00	-4
1929.50	---	37.86	54.00	16.14	500.00	100.0	V	284.00	-3
1995.75	51.29	---	74.00	22.71	500.00	100.0	V	266.00	-3
2179.25	---	38.15	54.00	15.85	500.00	100.0	H	264.00	-2
2235.50	56.87	---	74.00	17.13	500.00	200.0	V	9.00	-2
2515.75	---	39.02	54.00	14.98	500.00	100.0	V	227.00	-1
2525.25	57.48	---	74.00	16.52	500.00	200.0	V	248.00	-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)
3858.75	---	35.40	54.00	18.60	500.00	100.0	H	86.00	-9
3858.75	41.31	---	74.00	32.69	500.00	100.0	H	86.00	-9
4822.50	---	43.08	54.00	10.92	500.00	100.0	H	111.00	-7
4826.25	53.53	---	74.00	20.47	500.00	100.0	H	111.00	-7
7010.63	---	39.10	54.00	14.90	500.00	100.0	H	242.00	0
7016.25	50.78	---	74.00	23.22	500.00	200.0	V	163.00	0
8340.00	52.21	---	74.00	21.79	500.00	200.0	H	0.00	2
8495.63	---	41.85	54.00	12.15	500.00	200.0	V	35.00	2
10329.38	---	41.48	54.00	12.52	500.00	100.0	H	86.00	3
10588.13	52.45	---	74.00	21.55	500.00	100.0	H	345.00	4
12586.88	54.87	---	74.00	19.13	500.00	100.0	V	1.00	5
13350.00	---	43.03	54.00	10.97	500.00	200.0	H	121.00	7

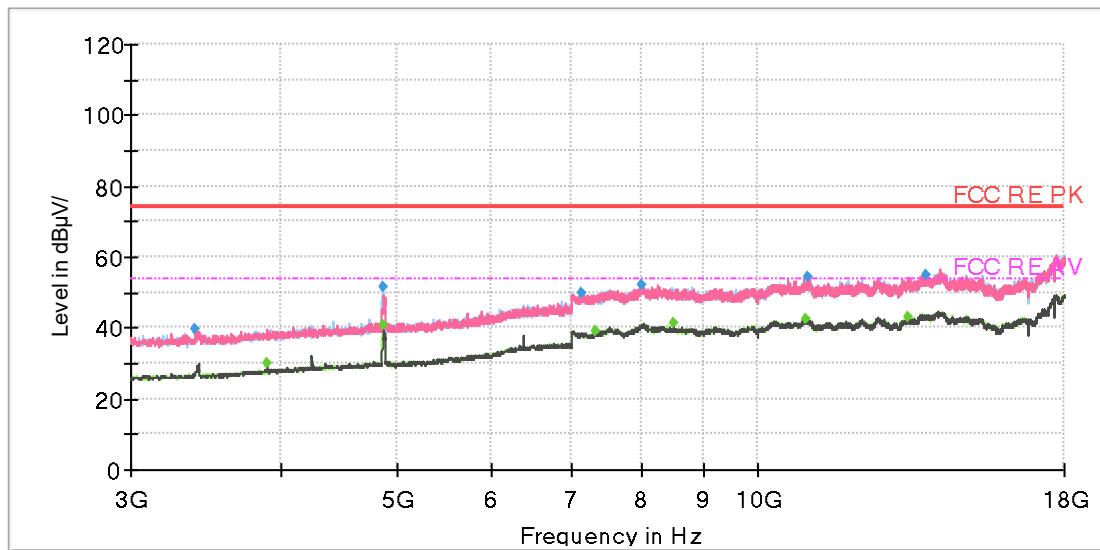
802.11ax HE20 CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

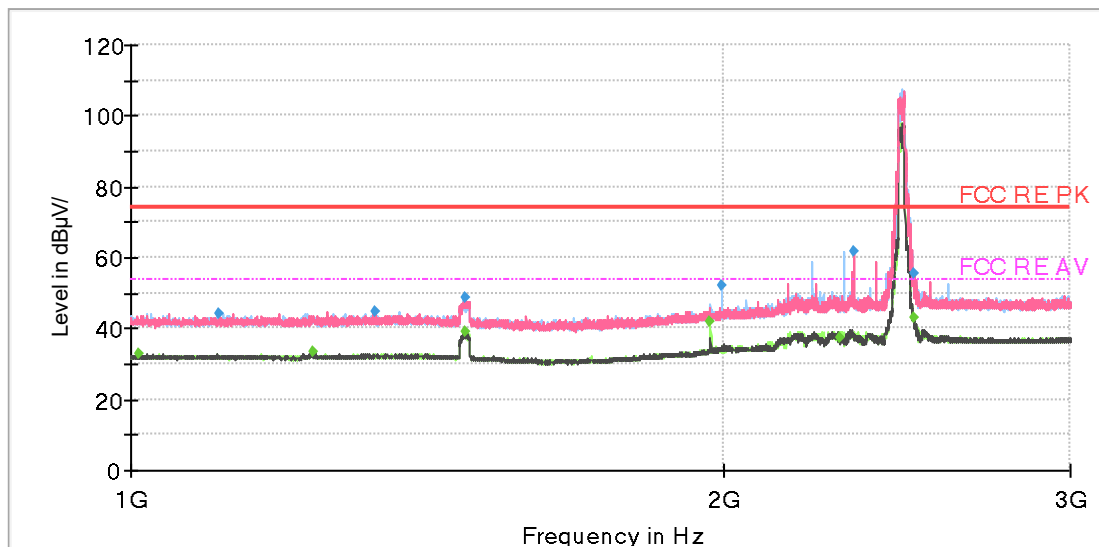
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1004.50	44.76	---	74.00	29.24	500.00	100.0	H	52.00	-5
1040.00	---	32.68	54.00	21.32	500.00	100.0	H	1.00	-5
1224.25	---	34.05	54.00	19.95	500.00	200.0	V	282.00	-5
1335.75	45.06	---	74.00	28.94	500.00	200.0	H	340.00	-4
1463.25	---	38.08	54.00	15.92	500.00	200.0	V	300.00	-4
1464.50	48.51	---	74.00	25.49	500.00	200.0	H	56.00	-4
1949.75	---	39.42	54.00	14.58	500.00	200.0	H	294.00	-3
2036.50	54.20	---	74.00	19.80	500.00	200.0	H	358.00	-3
2289.25	---	39.37	54.00	14.63	500.00	200.0	H	238.00	-2
2317.25	60.22	---	74.00	13.78	500.00	100.0	H	273.00	-1
2524.00	---	39.07	54.00	14.93	500.00	100.0	H	249.00	-1
2597.75	54.53	---	74.00	19.47	500.00	100.0	V	279.00	-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)
3395.63	39.51	---	74.00	34.49	500.00	100.0	V	96.00	-10
3898.13	---	30.00	54.00	24.00	500.00	200.0	H	0.00	-9
4861.88	51.26	---	74.00	22.74	500.00	100.0	H	136.00	-6
4867.50	---	40.89	54.00	13.11	500.00	100.0	H	136.00	-6
7119.38	49.83	---	74.00	24.17	500.00	100.0	H	57.00	0
7310.63	---	38.98	54.00	15.02	500.00	100.0	V	66.00	1
7998.75	51.95	---	74.00	22.05	500.00	200.0	H	201.00	2
8495.63	---	41.60	54.00	12.40	500.00	100.0	V	230.00	2
10965.00	---	42.22	54.00	11.78	500.00	200.0	V	0.00	5
10987.50	54.06	---	74.00	19.94	500.00	200.0	H	252.00	5
13348.13	---	43.00	54.00	11.00	500.00	200.0	H	67.00	7
13786.88	54.71	---	74.00	19.30	500.00	200.0	H	252.00	8

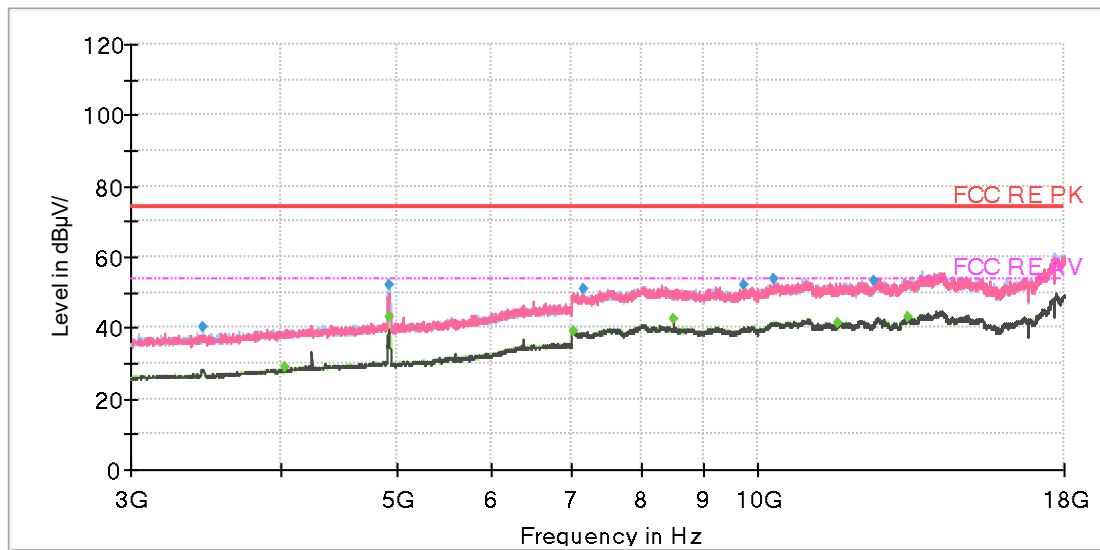
802.11ax HE20 CH11



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

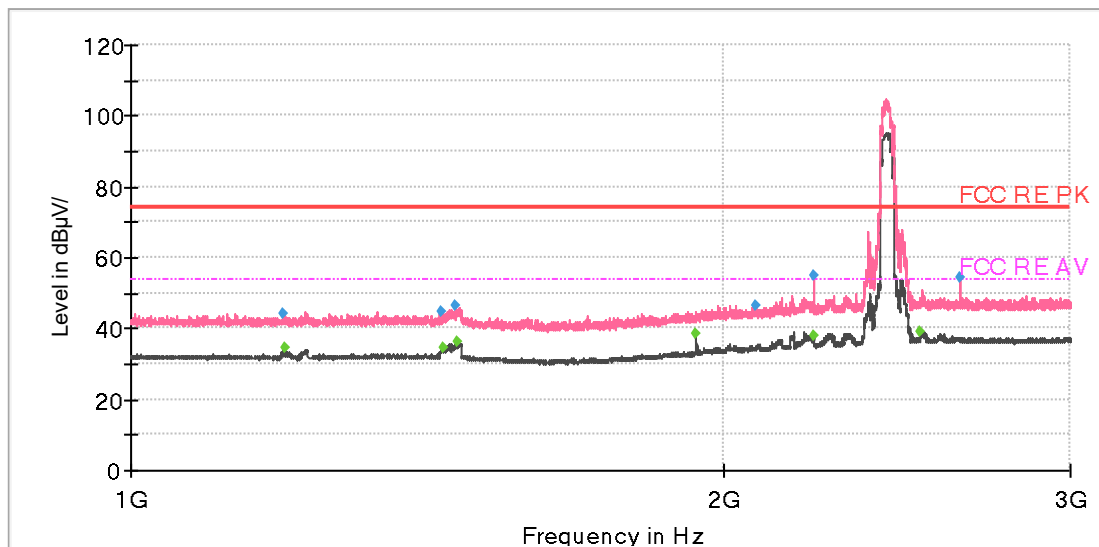
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1009.75	---	32.76	54.00	21.24	500.00	200.0	V	123.00	-5
1107.50	44.06	---	74.00	29.94	500.00	100.0	H	61.00	-5
1237.00	---	33.67	54.00	20.33	500.00	100.0	H	325.00	-5
1329.75	44.79	---	74.00	29.21	500.00	200.0	V	197.00	-4
1478.75	48.69	---	74.00	25.31	500.00	200.0	H	305.00	-4
1478.75	---	39.04	54.00	14.96	500.00	200.0	H	305.00	-4
1969.75	---	41.87	54.00	12.13	500.00	100.0	H	283.00	-3
1994.75	52.14	---	74.00	21.86	500.00	100.0	H	283.00	-3
2290.00	---	37.48	54.00	16.52	500.00	200.0	V	286.00	-2
2327.00	61.81	---	74.00	12.19	500.00	100.0	V	233.00	-1
2498.25	---	42.80	54.00	11.20	500.00	100.0	H	247.00	-1
2498.25	55.31	---	74.00	18.69	500.00	200.0	V	268.00	-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)
3444.38	39.92	---	74.00	34.08	500.00	200.0	H	119.00	-10
4040.63	---	28.61	54.00	25.39	500.00	100.0	H	32.00	-8
4923.75	---	42.82	54.00	11.18	500.00	100.0	H	84.00	-6
4923.75	52.30	---	74.00	21.70	500.00	100.0	H	84.00	-6
7025.63	---	39.17	54.00	14.83	500.00	100.0	H	32.00	0
7162.50	51.03	---	74.00	22.97	500.00	200.0	H	196.00	0
8495.63	---	42.32	54.00	11.68	500.00	100.0	H	32.00	2
9746.25	52.28	---	74.00	21.72	500.00	100.0	V	303.00	2
10297.50	53.97	---	74.00	20.03	500.00	200.0	V	293.00	3
11653.13	---	41.29	54.00	12.71	500.00	100.0	V	0.00	5
12508.13	53.19	---	74.00	20.81	500.00	100.0	V	347.00	5
13350.00	---	43.01	54.00	10.99	500.00	200.0	V	78.00	7

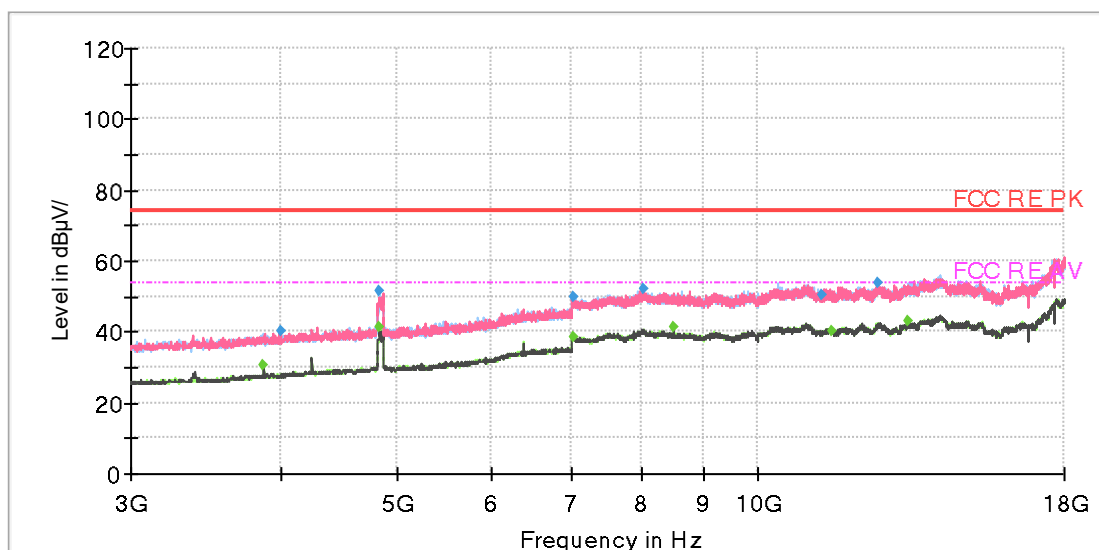
802.11ax HE40 CH3



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

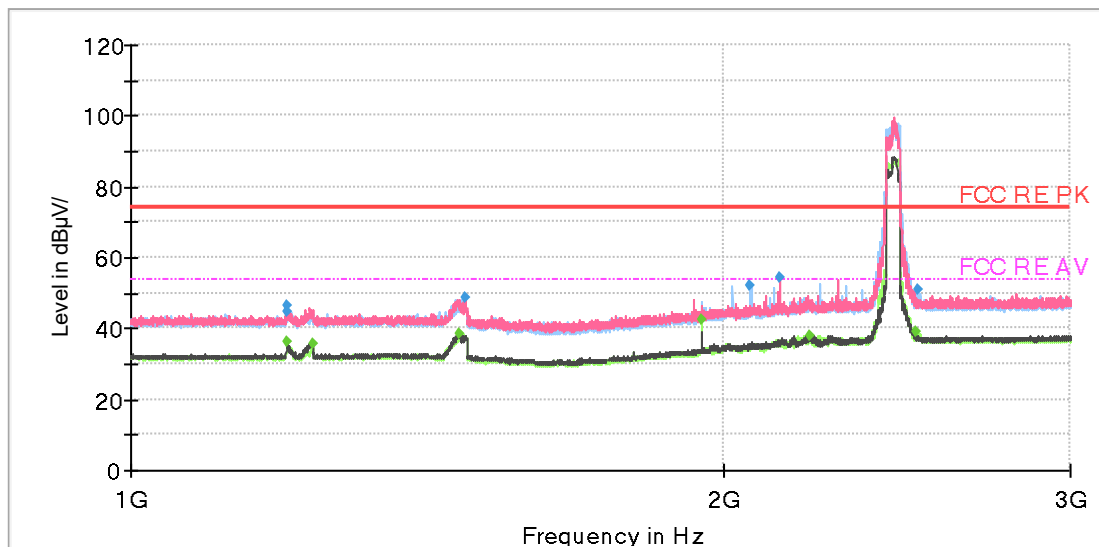
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1195.00	44.37	---	74.00	29.63	500.00	200.0	V	273.00	-5
1197.75	---	34.51	54.00	19.49	500.00	100.0	V	278.00	-5
1437.50	44.97	---	74.00	29.03	500.00	200.0	V	308.00	-4
1440.50	---	34.34	54.00	19.66	500.00	200.0	V	116.00	-4
1463.00	46.68	---	74.00	27.32	500.00	200.0	V	116.00	-4
1464.50	---	36.06	54.00	17.94	500.00	100.0	V	294.00	-4
1937.75	---	38.34	54.00	15.66	500.00	200.0	V	308.00	-3
2075.25	46.28	---	74.00	27.72	500.00	200.0	V	200.00	-3
2220.75	54.81	---	74.00	19.19	500.00	100.0	V	278.00	-2
2222.50	---	38.01	54.00	15.99	500.00	200.0	V	233.00	-2
2519.25	---	38.99	54.00	15.01	500.00	200.0	V	251.00	-1
2636.00	54.10	---	74.00	19.90	500.00	200.0	V	251.00	-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)
3873.75	---	30.74	54.00	23.26	500.00	200.0	H	66.00	-9
3995.63	40.15	---	74.00	33.85	500.00	200.0	V	270.00	-8
4839.38	---	41.25	54.00	12.75	500.00	200.0	H	118.00	-6
4839.38	51.78	---	74.00	22.22	500.00	200.0	H	118.00	-6
7018.13	---	38.76	54.00	15.24	500.00	100.0	H	0.00	0
7020.00	49.64	---	74.00	24.36	500.00	200.0	H	349.00	0
8025.00	52.00	---	74.00	22.00	500.00	200.0	V	190.00	2
8495.63	---	41.40	54.00	12.60	500.00	100.0	V	326.00	2
11287.50	50.38	---	74.00	23.62	500.00	200.0	H	335.00	5
11514.38	---	40.47	54.00	13.53	500.00	200.0	V	25.00	5
12596.25	53.54	---	74.00	20.46	500.00	200.0	H	289.00	5
13350.00	---	43.20	54.00	10.80	500.00	100.0	H	81.00	7

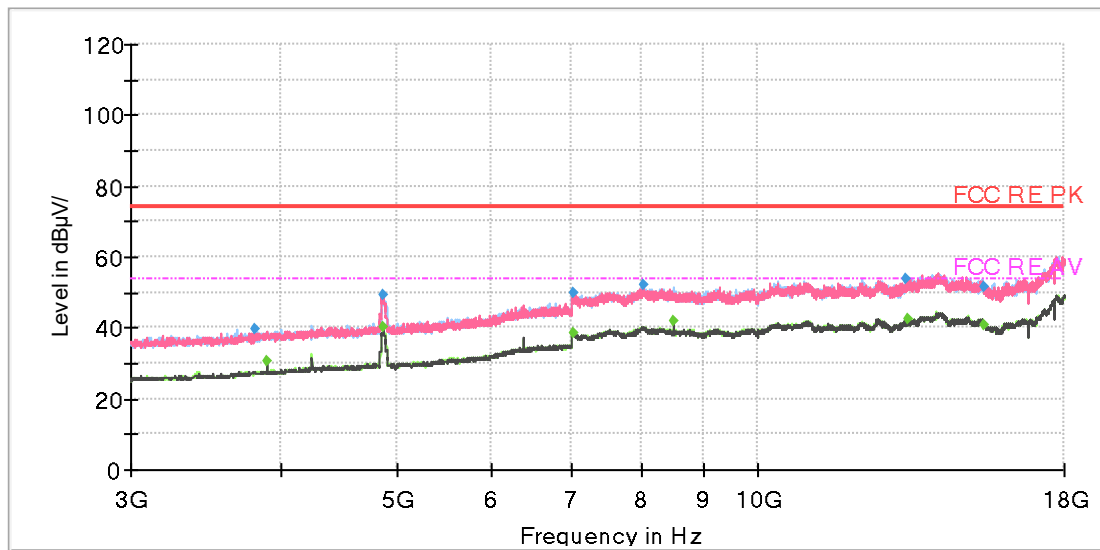
802.11ax HE40 CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

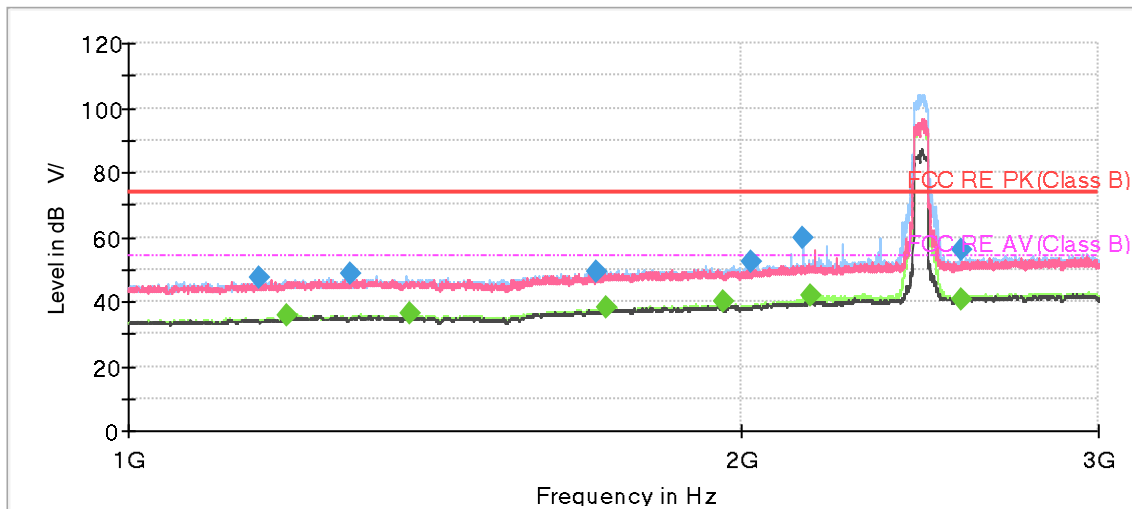
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1200.00	---	36.38	54.00	17.62	500.00	200.0	V	283.00	-5
1200.75	44.62	---	74.00	29.38	500.00	200.0	H	263.00	-5
1201.00	46.50	---	74.00	27.51	500.00	100.0	H	273.00	-5
1236.50	---	35.70	54.00	18.30	500.00	100.0	V	260.00	-5
1467.00	---	38.55	54.00	15.45	500.00	100.0	V	349.00	-4
1477.25	48.56	---	74.00	25.44	500.00	100.0	H	351.00	-4
1949.75	---	42.62	54.00	11.38	500.00	200.0	H	100.00	-3
2060.25	52.17	---	74.00	21.83	500.00	100.0	H	324.00	-3
2136.25	54.16	---	74.00	19.84	500.00	200.0	V	3.00	-2
2212.25	---	38.18	54.00	15.82	500.00	200.0	V	324.00	-2
2505.00	---	39.18	54.00	14.82	500.00	100.0	H	340.00	-1
2509.00	50.66	---	74.00	23.34	500.00	100.0	H	340.00	-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)
3811.88	39.53	---	74.00	34.47	500.00	200.0	H	222.00	-9
3898.13	---	30.33	54.00	23.67	500.00	100.0	V	108.00	-9
4871.25	---	40.30	54.00	13.70	500.00	200.0	V	113.00	-6
4873.13	49.44	---	74.00	24.56	500.00	100.0	H	134.00	-6
7008.75	50.07	---	74.00	23.93	500.00	100.0	H	32.00	0
7018.13	---	38.58	54.00	15.42	500.00	100.0	H	82.00	0
8034.38	51.94	---	74.00	22.06	500.00	200.0	V	1.00	2
8495.63	---	41.66	54.00	12.34	500.00	100.0	V	16.00	2
13278.75	53.89	---	74.00	20.11	500.00	100.0	V	240.00	7
13346.25	---	42.62	54.00	11.38	500.00	100.0	H	161.00	7
15405.00	51.71	---	74.00	22.29	500.00	100.0	H	320.00	8
15446.25	---	40.80	54.00	13.20	500.00	200.0	V	268.00	8

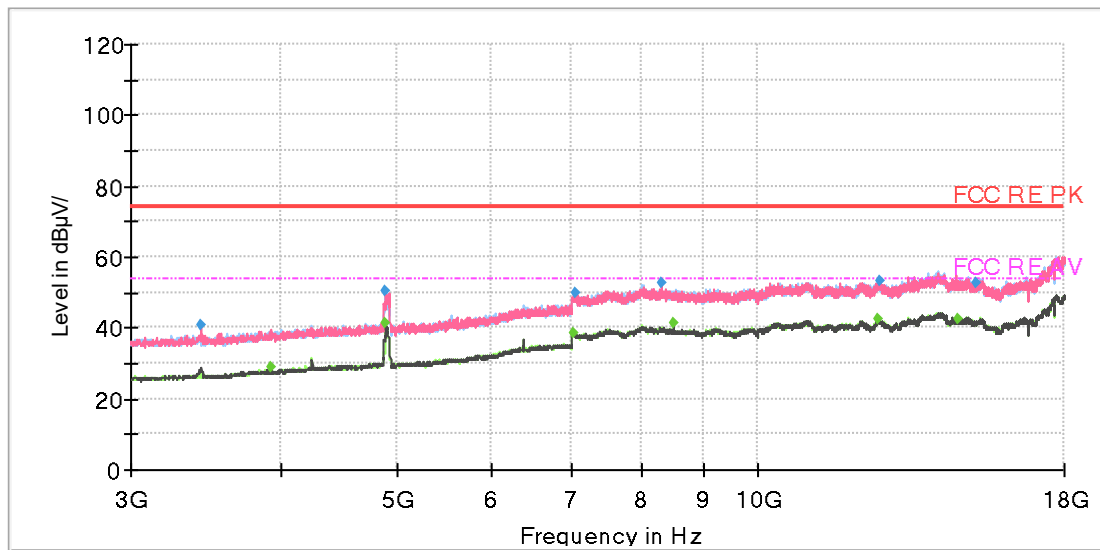
802.11ax HE40 CH9



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)
1161.000000	47.10	---	74.00	26.90	500.0	100.0	H	246.0	-3.6
1198.000000	---	35.54	54.00	18.46	500.0	200.0	H	103.0	-2.8
1286.750000	48.67	---	74.00	25.33	500.0	100.0	H	285.0	-2.3
1375.500000	---	36.19	54.00	17.81	500.0	100.0	H	0.0	-1.7
1700.250000	49.47	---	74.00	24.53	500.0	200.0	H	0.0	0.0
1720.250000	---	37.99	54.00	16.01	500.0	100.0	H	198.0	0.1
1961.500000	---	40.10	54.00	13.90	500.0	200.0	V	0.0	1.3
2026.000000	52.51	---	74.00	21.49	500.0	100.0	H	334.0	1.6
2147.000000	59.39	---	74.00	14.61	500.0	200.0	H	349.0	2.5
2167.000000	---	41.72	54.00	12.29	500.0	200.0	H	325.0	2.5
2568.000000	---	40.91	54.00	13.09	500.0	200.0	H	119.0	4.0
2571.250000	55.88	---	74.00	18.12	500.0	200.0	H	346.0	4.0



Radiates Emission from 3GHz to 18GHz

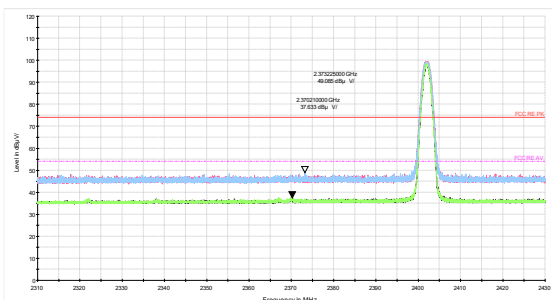
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3433.13	40.80	---	74.00	33.20	500.00	200.0	V	95.00	-10
3922.50	---	28.93	54.00	25.07	500.00	100.0	H	359.00	-8
4897.50	---	41.10	54.00	12.90	500.00	100.0	V	118.00	-6
4897.50	50.37	---	74.00	23.63	500.00	100.0	V	118.00	-6
7018.13	---	38.66	54.00	15.34	500.00	100.0	V	0.00	0
7036.88	49.83	---	74.00	24.17	500.00	200.0	V	175.00	0
8323.13	52.47	---	74.00	21.53	500.00	200.0	V	255.00	2
8495.63	---	41.05	54.00	12.95	500.00	100.0	V	64.00	2
12598.13	---	42.61	54.00	11.40	500.00	100.0	H	81.00	5
12618.75	53.31	---	74.00	20.69	500.00	100.0	V	170.00	5
14666.25	---	42.54	54.00	11.46	500.00	100.0	H	160.00	9
15193.13	52.47	---	74.00	21.53	500.00	200.0	V	7.00	8

1.2. Bluetooth LE

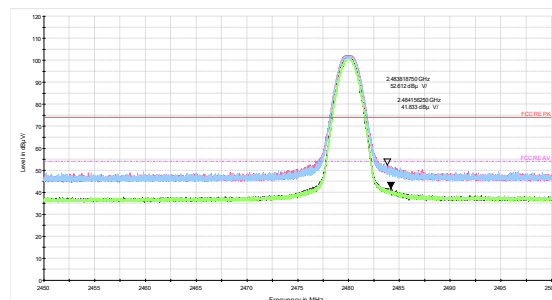
The following graphs display the maximum values of horizontal and vertical by software.
Blue trace uses the peak detection, Green trace uses the average detection.

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

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. 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 ($\text{dB}\mu\text{V}$) in the test plot below means ($\text{dB}\mu\text{V/m}$)**
A symbol (dB V) in the test plot below means ($\text{dB}\mu\text{V/m}$)
4. **The following graphs display the maximum values of horizontal and vertical by software.**
5. **For below 1GHz**

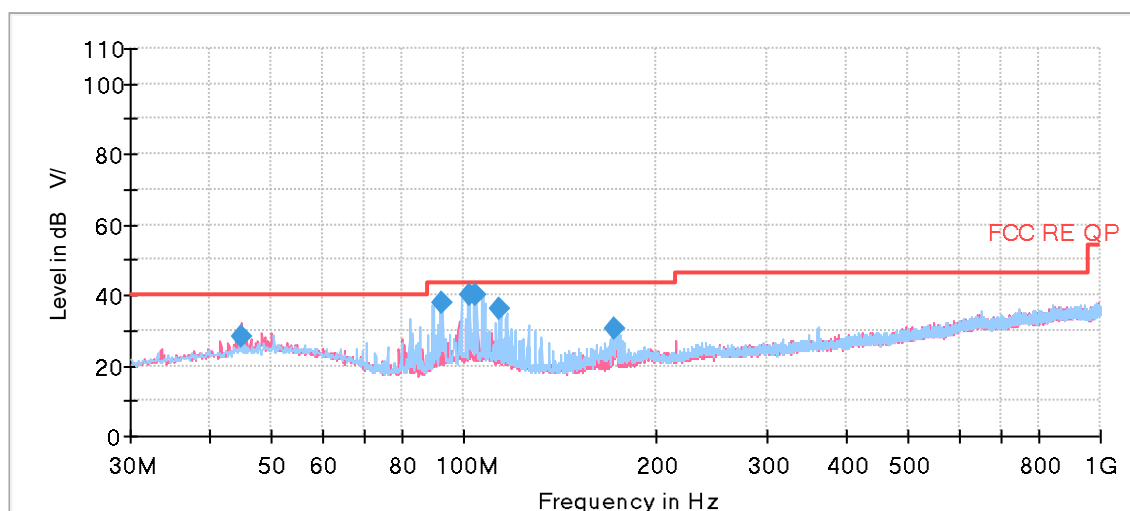
~ QP Level @Spectrum Overview H
 ~ QP Level @Spectrum Overview V
 ◆ QP Level @Final Results
 — QP Limit

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:

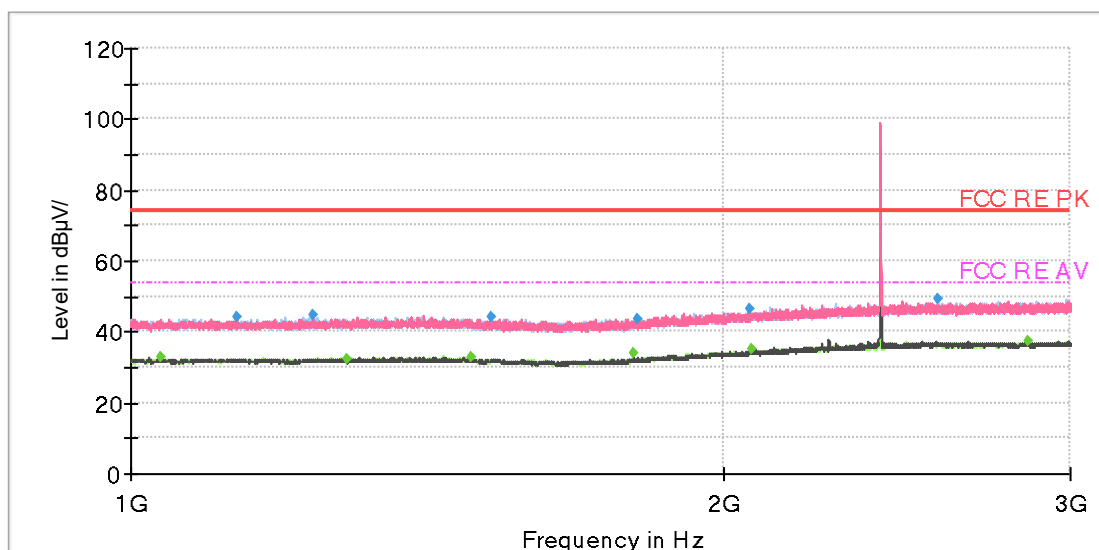
During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels. The test data of the worst-case condition was recorded in this report.



Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
44.792500	28.27	40.00	11.73	184.0	V	0.0	21.0
92.807500	37.75	43.50	5.75	193.0	H	155.0	18.0
102.386250	39.79	43.50	3.71	225.0	H	148.0	19.2
104.811250	39.90	43.50	3.60	225.0	H	333.0	19.2
113.581250	36.03	43.50	7.47	225.0	H	160.0	18.2
173.200000	30.49	43.50	13.01	175.0	H	286.0	19.4

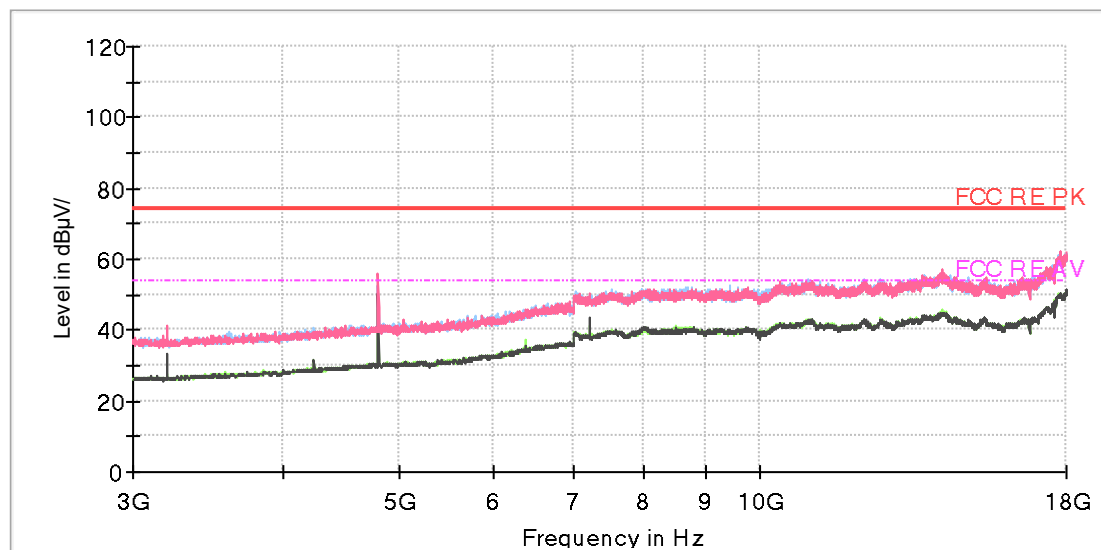
Bluetooth LE-Channel 0



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

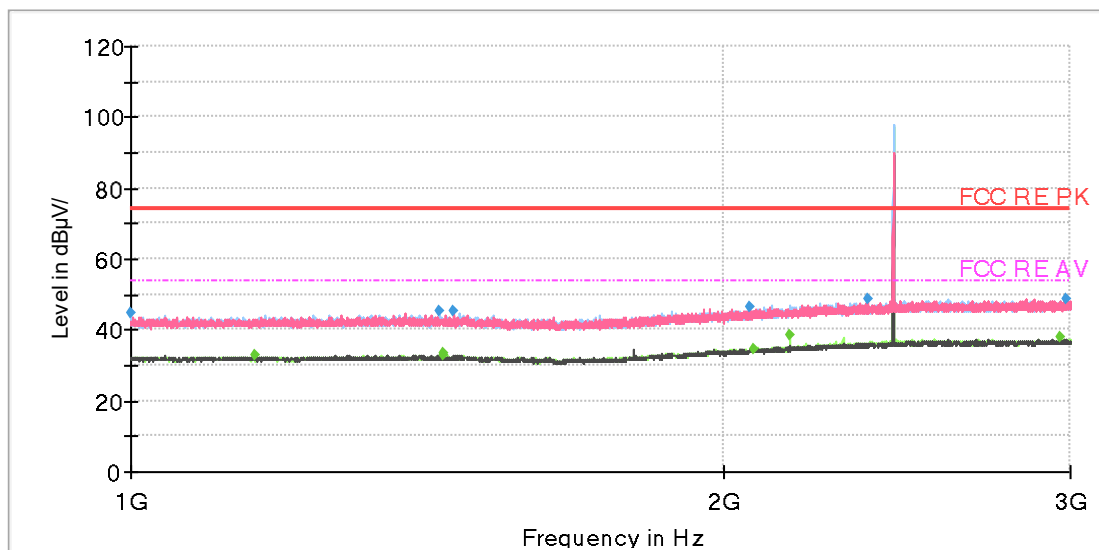
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1036.50	---	32.56	54.00	21.44	500.00	100.0	V	317.00	-5
1132.75	44.34	---	74.00	29.66	500.00	100.0	V	350.00	-5
1237.00	44.59	---	74.00	29.41	500.00	200.0	V	25.00	-5
1287.50	---	32.26	54.00	21.74	500.00	100.0	H	273.00	-5
1487.75	---	32.83	54.00	21.17	500.00	100.0	V	142.00	-4
1525.75	43.89	---	74.00	30.11	500.00	100.0	H	4.00	-4
1800.25	---	33.93	54.00	20.07	500.00	100.0	H	273.00	-4
1809.50	43.80	---	74.00	30.20	500.00	200.0	V	4.00	-4
2063.50	46.27	---	74.00	27.73	500.00	100.0	V	125.00	-3
2068.50	---	35.10	54.00	18.90	500.00	100.0	V	317.00	-3
2571.00	49.07	---	74.00	24.93	500.00	100.0	H	94.00	-1
2854.75	---	37.46	54.00	16.54	500.00	200.0	H	353.00	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)
3202.50	---	33.14	54.00	20.86	500.00	100.0	V	64.00	-10
3202.50	41.05	---	74.00	32.95	500.00	100.0	V	64.00	-10
4803.75	---	50.55	54.00	3.45	500.00	100.0	V	118.00	-7
4803.75	56.20	---	74.00	17.80	500.00	100.0	V	118.00	-7
7010.63	50.81	---	74.00	23.19	500.00	200.0	H	355.00	0
7205.63	---	43.74	54.00	10.26	500.00	200.0	V	86.00	1
8495.63	---	41.38	54.00	12.62	500.00	200.0	H	359.00	2
9435.00	52.65	---	74.00	21.35	500.00	100.0	H	178.00	2
12609.38	---	43.36	54.00	10.64	500.00	200.0	H	225.00	5
13340.63	54.51	---	74.00	19.49	500.00	200.0	H	345.00	7
17347.50	---	45.96	54.00	8.04	500.00	100.0	H	3.00	10
17553.75	58.51	---	74.00	15.49	500.00	100.0	H	24.00	11

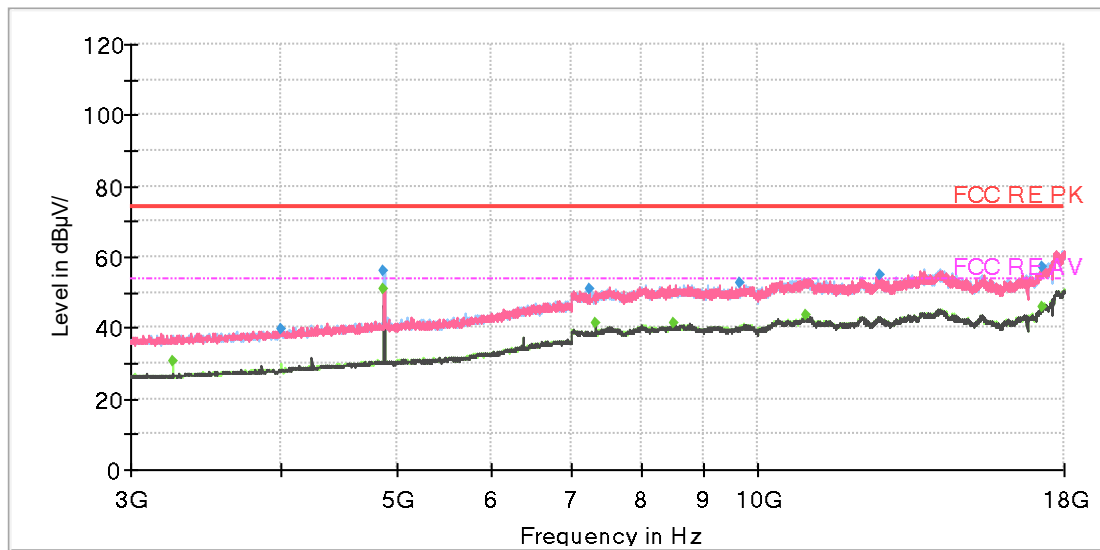
Bluetooth LE-Channel 19



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

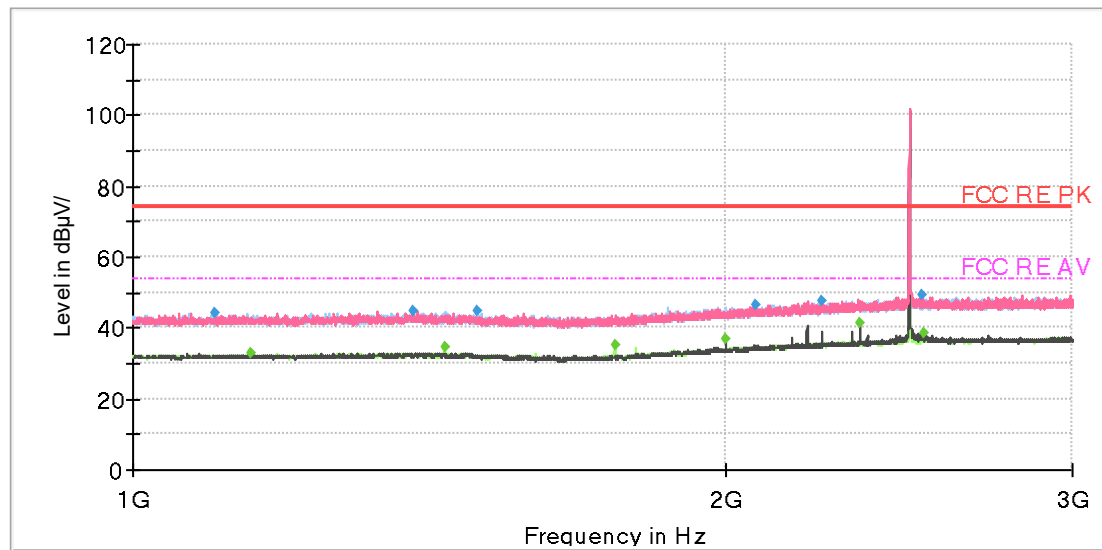
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1000.75	44.44	---	74.00	29.56	500.00	100.0	H	205.00	-5
1156.50	---	32.65	54.00	21.35	500.00	100.0	V	338.00	-5
1433.75	45.11	---	74.00	28.89	500.00	200.0	H	300.00	-4
1439.75	---	33.40	54.00	20.60	500.00	200.0	V	173.00	-4
1442.25	---	32.75	54.00	21.25	500.00	100.0	V	0.00	-4
1459.75	45.25	---	74.00	28.75	500.00	200.0	V	6.00	-4
2063.25	46.53	---	74.00	27.47	500.00	200.0	V	12.00	-3
2072.25	---	34.71	54.00	19.29	500.00	100.0	V	0.00	-3
2160.00	---	38.23	54.00	15.77	500.00	200.0	H	89.00	-2
2365.25	48.42	---	74.00	25.58	500.00	200.0	V	0.00	-1
2964.50	---	37.67	54.00	16.33	500.00	100.0	V	357.00	0
2984.00	48.67	---	74.00	25.33	500.00	200.0	H	283.00	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)
3253.13	---	30.62	54.00	23.38	500.00	200.0	H	116.00	-10
4001.25	39.41	---	74.00	34.59	500.00	100.0	H	241.00	-8
4878.75	55.88	---	74.00	18.12	500.00	100.0	H	126.00	-6
4878.75	---	51.19	54.00	2.81	500.00	100.0	H	126.00	-6
7226.25	50.68	---	74.00	23.32	500.00	100.0	V	266.00	1
7320.00	---	41.06	54.00	12.94	500.00	200.0	V	34.00	1
8495.63	---	41.30	54.00	12.70	500.00	100.0	V	357.00	2
9669.38	52.38	---	74.00	21.62	500.00	100.0	V	357.00	2
10970.63	---	43.47	54.00	10.53	500.00	200.0	V	5.00	5
12639.38	55.12	---	74.00	18.88	500.00	200.0	H	2.00	5
17250.00	57.25	---	74.00	16.75	500.00	100.0	V	0.00	10
17285.63	---	46.10	54.00	7.90	500.00	100.0	V	0.00	10

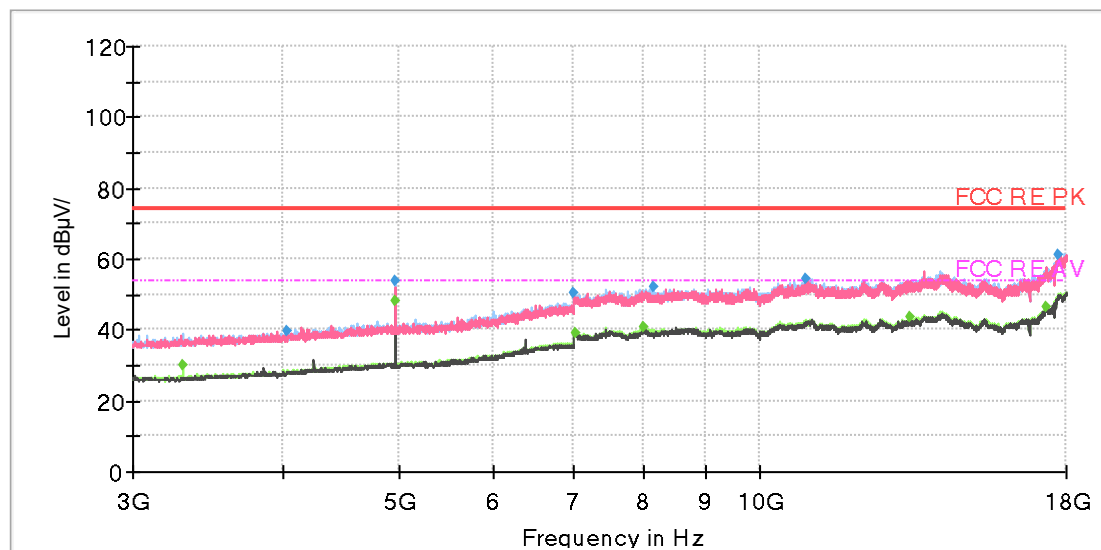
Bluetooth LE-Channel 39



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)
1100.25	44.42	---	74.00	29.58	500.00	200.0	V	123.00	-5
1149.50	---	33.06	54.00	20.94	500.00	200.0	H	350.00	-5
1389.00	44.87	---	74.00	29.13	500.00	100.0	V	0.00	-4
1440.00	---	34.73	54.00	19.27	500.00	100.0	H	174.00	-4
1495.50	44.64	---	74.00	29.36	500.00	100.0	H	1.00	-4
1757.00	---	35.36	54.00	18.64	500.00	100.0	H	123.00	-4
2000.00	---	36.87	54.00	17.13	500.00	100.0	V	104.00	-3
2071.75	46.27	---	74.00	27.73	500.00	100.0	V	354.00	-3
2239.50	47.56	---	74.00	26.44	500.00	100.0	V	70.00	-2
2340.00	---	41.25	54.00	12.75	500.00	200.0	V	59.00	-1
2519.50	49.46	---	74.00	24.54	500.00	200.0	V	77.00	-1
2520.00	---	38.66	54.00	15.34	500.00	200.0	V	77.00	-1



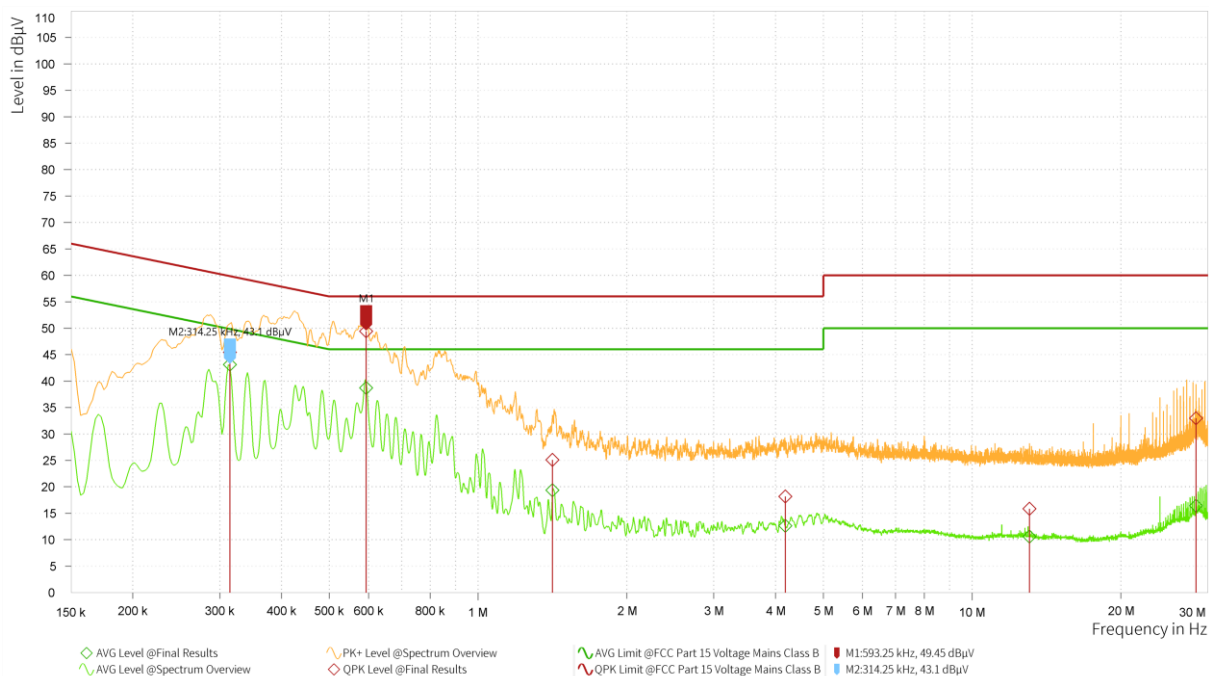
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3305.63	---	29.75	54.00	24.25	500.00	100.0	H	113.00	-10
4031.25	39.43	---	74.00	34.57	500.00	100.0	H	0.00	-8
4959.38	---	48.36	54.00	5.64	500.00	100.0	H	138.00	-6
4959.38	53.60	---	74.00	20.40	500.00	200.0	H	122.00	-6
7001.25	50.64	---	74.00	23.36	500.00	100.0	V	92.00	0
7005.00	---	39.25	54.00	14.75	500.00	200.0	H	224.00	0
7991.25	---	41.03	54.00	12.97	500.00	200.0	H	249.00	2
8160.00	52.27	---	74.00	21.73	500.00	200.0	H	67.00	2
10901.25	54.36	---	74.00	19.64	500.00	200.0	H	224.00	5
13348.13	---	43.33	54.00	10.67	500.00	100.0	H	37.00	7
17345.63	---	46.31	54.00	7.69	500.00	200.0	H	327.00	10
17752.50	60.98	---	74.00	13.02	500.00	200.0	V	8.00	13

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 Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.314	45.43	59.86	14.43	43.10	49.86	6.75	20.93	L1	9.000	1.000
0.593	49.45	56.00	6.55	38.72	46.00	7.28	20.68	L1	9.000	1.000
1.415	25.11	56.00	30.89	19.37	46.00	26.63	19.89	L1	9.000	1.000
4.189	18.17	56.00	37.83	12.61	46.00	33.39	19.42	L1	9.000	1.000
13.070	15.83	60.00	44.17	10.58	50.00	39.42	19.45	L1	9.000	1.000
28.399	32.96	60.00	27.04	16.41	50.00	33.59	19.81	L1	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

L line Conducted Emission from 150 kHz to 30 MHz



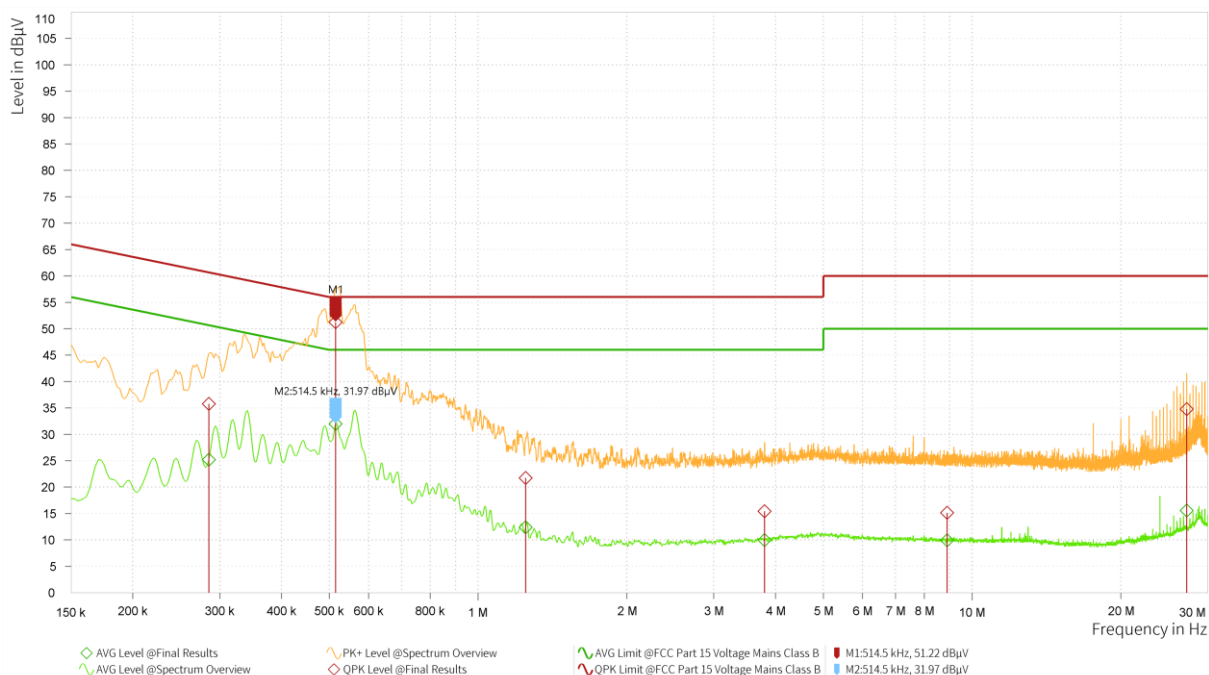
Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.339	48.15	59.23	11.08	42.10	49.23	7.12	20.94	N	9.000	1.000
0.560	52.31	56.00	3.69	40.51	46.00	5.49	20.73	N	9.000	1.000
1.410	23.46	56.00	32.54	17.09	46.00	28.91	19.90	N	9.000	1.000
3.804	16.90	56.00	39.10	11.53	46.00	34.47	19.44	N	9.000	1.000
12.975	17.43	60.00	42.57	12.16	50.00	37.84	19.47	N	9.000	1.000
28.399	32.69	60.00	27.31	16.00	50.00	34.00	19.88	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

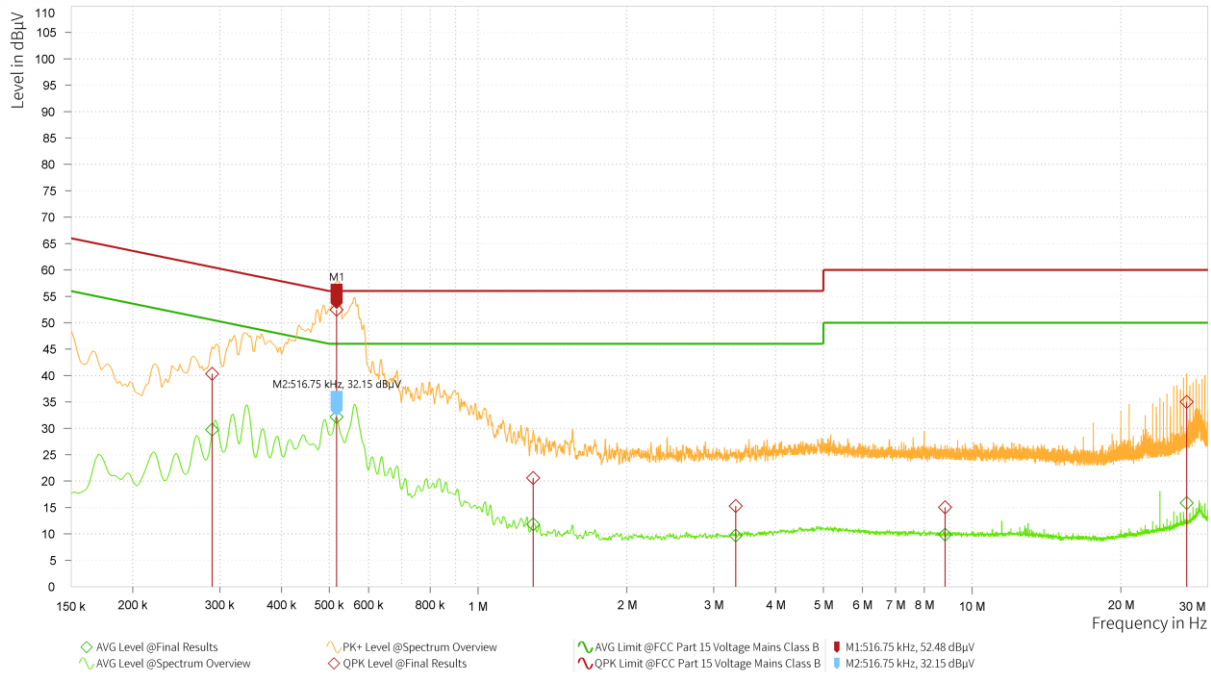
During the test, the Conducted Emission was performed in all modes with all channels. The test data of the worst-case condition was recorded in this report.



Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.285	35.78	60.67	24.89	25.21	50.67	25.46	20.95	L1	9.000	1.000
0.515	51.22	56.00	4.78	31.97	46.00	14.03	20.76	L1	9.000	1.000
1.248	21.72	56.00	34.28	12.40	46.00	33.60	19.98	L1	9.000	1.000
3.802	15.42	56.00	40.58	9.96	46.00	36.04	19.43	L1	9.000	1.000
8.898	15.15	60.00	44.85	9.93	50.00	40.07	19.41	L1	9.000	1.000
27.200	34.75	60.00	25.25	15.56	50.00	34.44	19.81	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]
0.290	40.31	60.54	20.23	29.74	50.54	20.80	20.96	N	9.000	1.000
0.517	52.48	56.00	3.52	32.15	46.00	13.85	20.77	N	9.000	1.000
1.293	20.61	56.00	35.39	11.79	46.00	34.21	19.97	N	9.000	1.000
3.323	15.28	56.00	40.72	9.67	46.00	36.33	19.47	N	9.000	1.000
8.815	15.03	60.00	44.97	9.88	50.00	40.12	19.42	N	9.000	1.000
27.200	35.01	60.00	24.99	15.85	50.00	34.15	19.88	N	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 kHz to 30 MHz