

ANNEX A: Test Result

The radiated emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in lie-down position (Y axis for Wi-Fi 2.4G; X axis for Bluetooth LE) and the loop antenna is coplanar, the others are vertical and horizontal. and the worst case was recorded.

1. Unwanted Emission

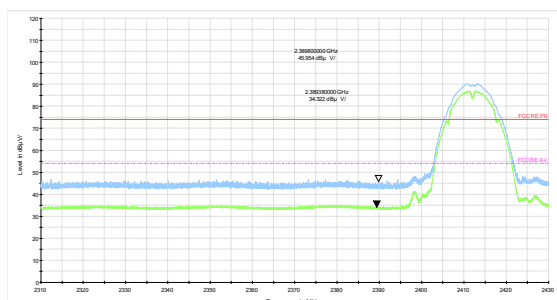
1.1. Wi-Fi 2.4GHz

The following graphs display the maximum values of horizontal and vertical by software.
Blue and Pink trace uses the peak detection, Green and Black trace uses the average detection.
The modulation and bandwidth are similar for 802.11n mode for 20MHz/40MHz and 802.11ax mode for V20MHz/V40MHz, therefore investigated worst case to representative mode in test report.

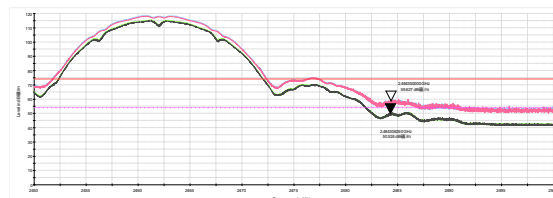
A symbol ($\text{dB}\mu\text{V}/\text{m}$) in the test plot below means ($\text{dB}\mu\text{V}/\text{m}$)

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

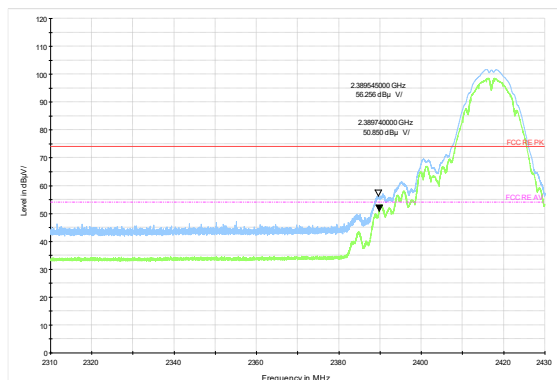
The signal beyond the limit is carrier.



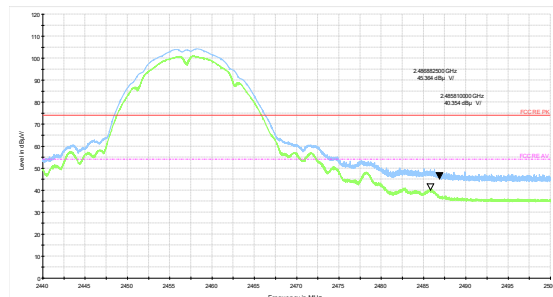
802.11b-Channel 1 Peak+ Average



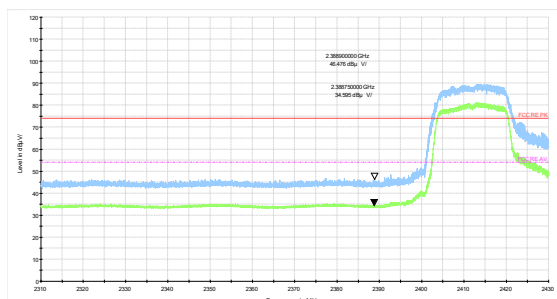
802.11b-Channel 11 Peak+ Average



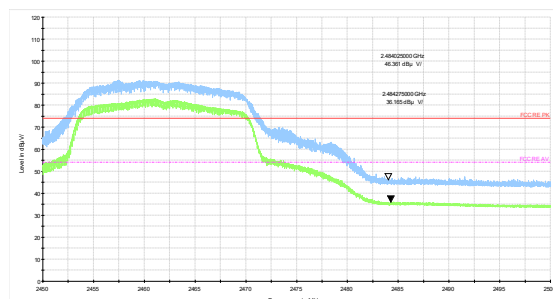
802.11b-Channel 2 Peak+ Average



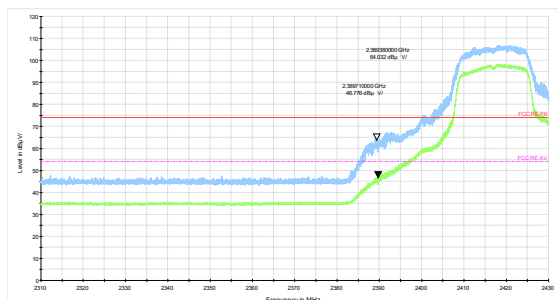
802.11b-Channel 10 Peak+ Average



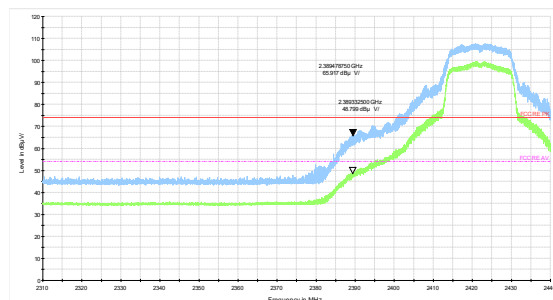
802.11g-Channel 1 Peak+ Average



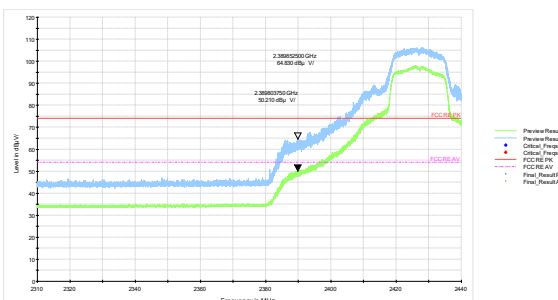
802.11g-Channel 11 Peak+ Average



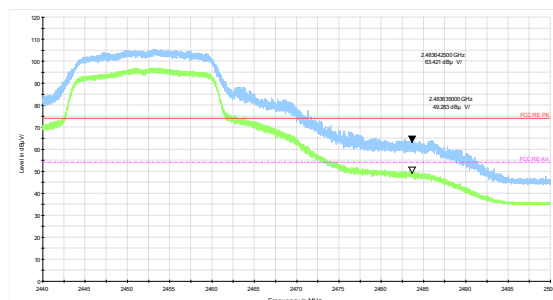
802.11g-Channel 2 Peak+ Average



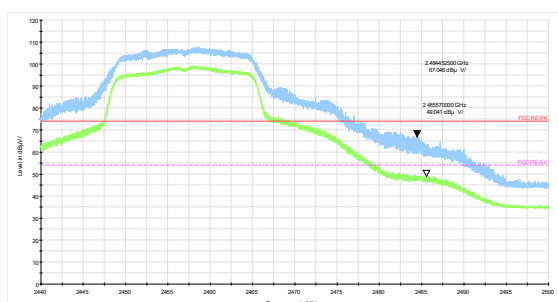
802.11g-Channel 3 Peak+ Average



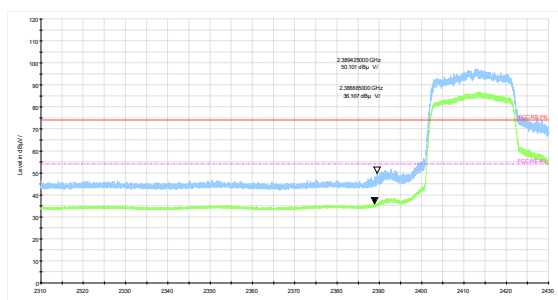
802.11g-Channel 4 Peak+ Average



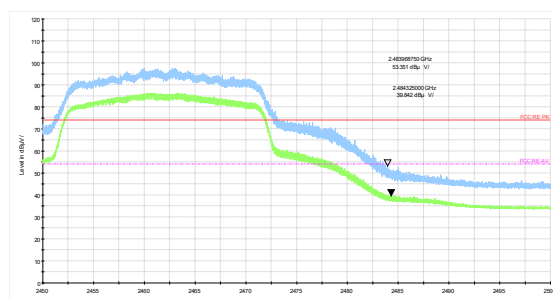
802.11g-Channel 9 Peak+ Average



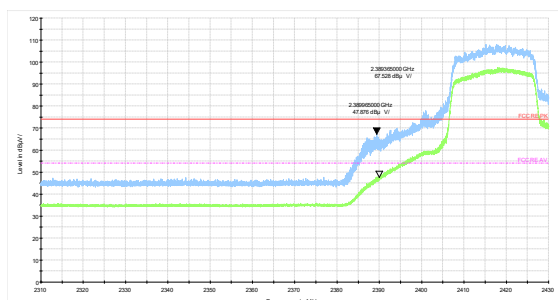
802.11g-Channel 10 Peak+ Average



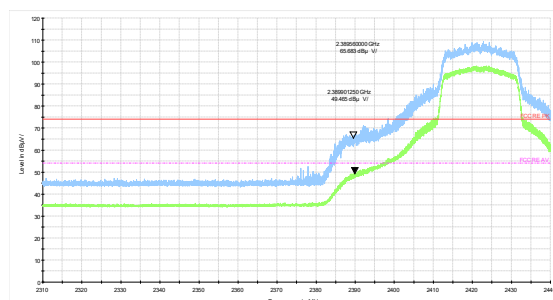
802.11ax HE20-Channel 1 Peak+ Average



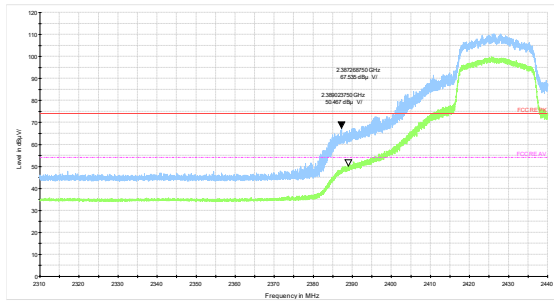
802.11ax HE20-Channel 11 Peak+ Average



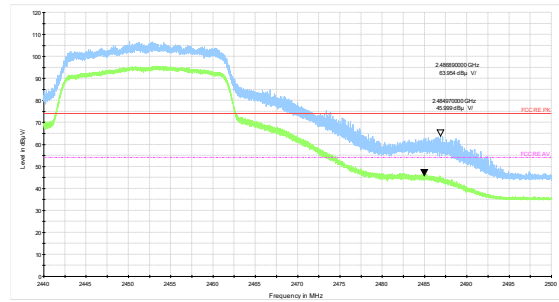
802.11ax HE20-Channel 2 Peak+ Average



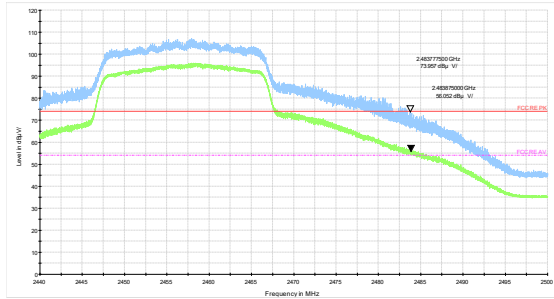
802.11ax HE20-Channel 3 Peak+ Average



802.11ax HE20-Channel 4 Peak+ Average

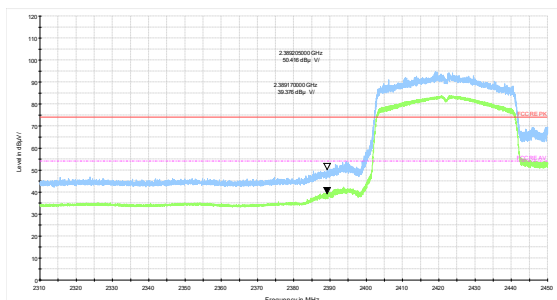


802.11ax HE20-Channel 9 Peak+ Average

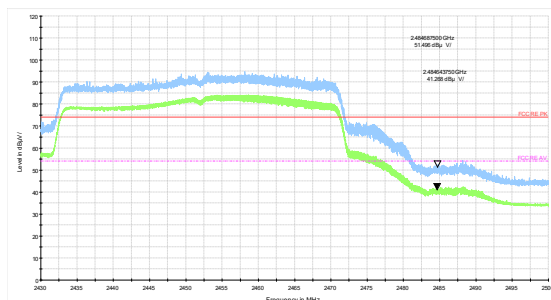


802.11ax HE20-Channel 10 Peak+ Average

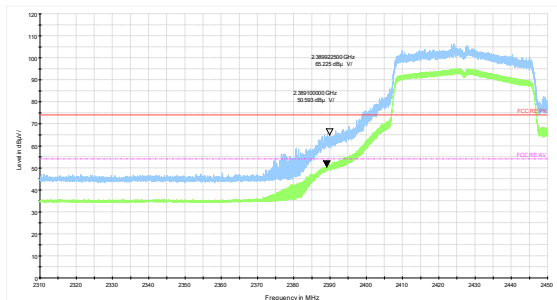
/



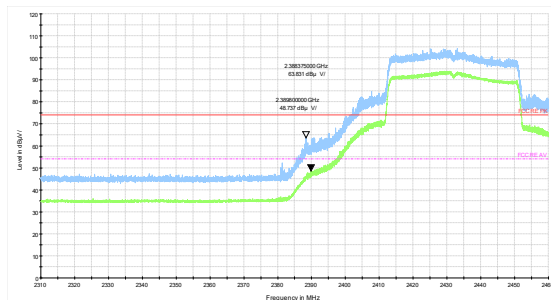
802.11ax HE40-Channel 3 Peak+ Average



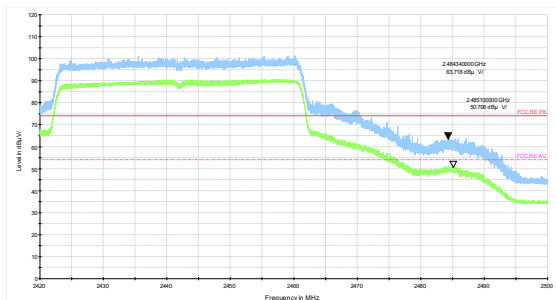
802.11ax HE40-Channel 9 Peak+ Average



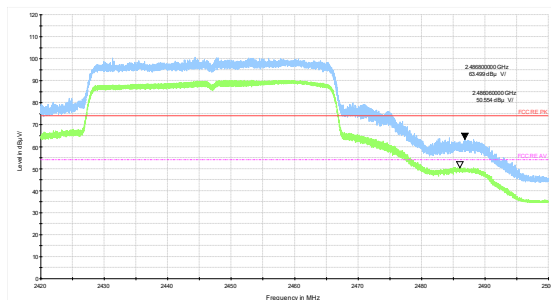
802.11ax HE40-Channel 4 Peak+ Average



802.11ax HE40-Channel 5 Peak+ Average



802.11ax HE40-Channel 7 Peak+ Average



802.11ax HE40-Channel 8 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.

The modulation and bandwidth are similar for 802.11n mode for 20MHz/40MHz and 802.11ax mode for V20MHz/V40MHz, therefore investigated worst case to representative mode in test report.

Remark:

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

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

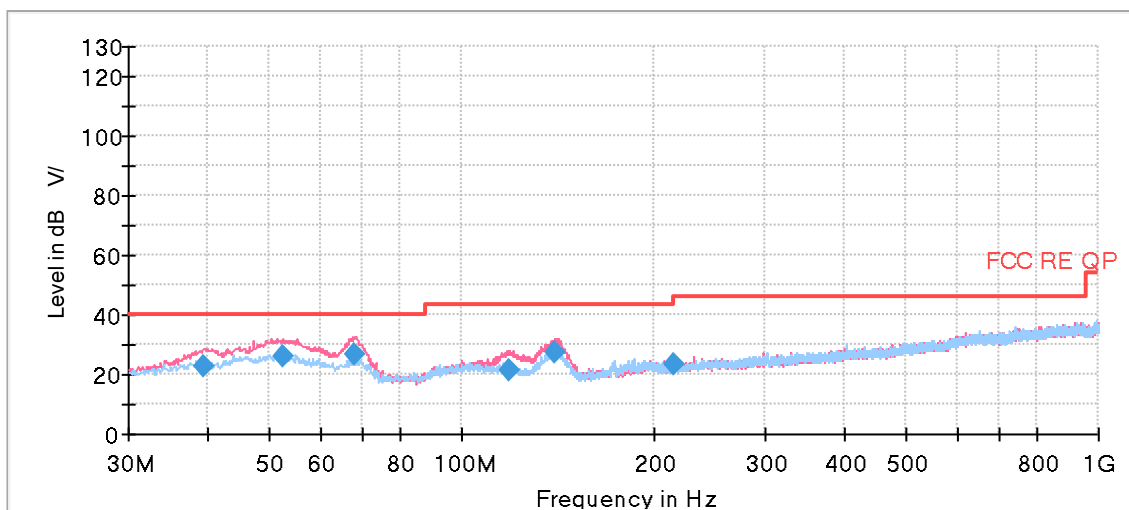
For above 1GHz

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

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

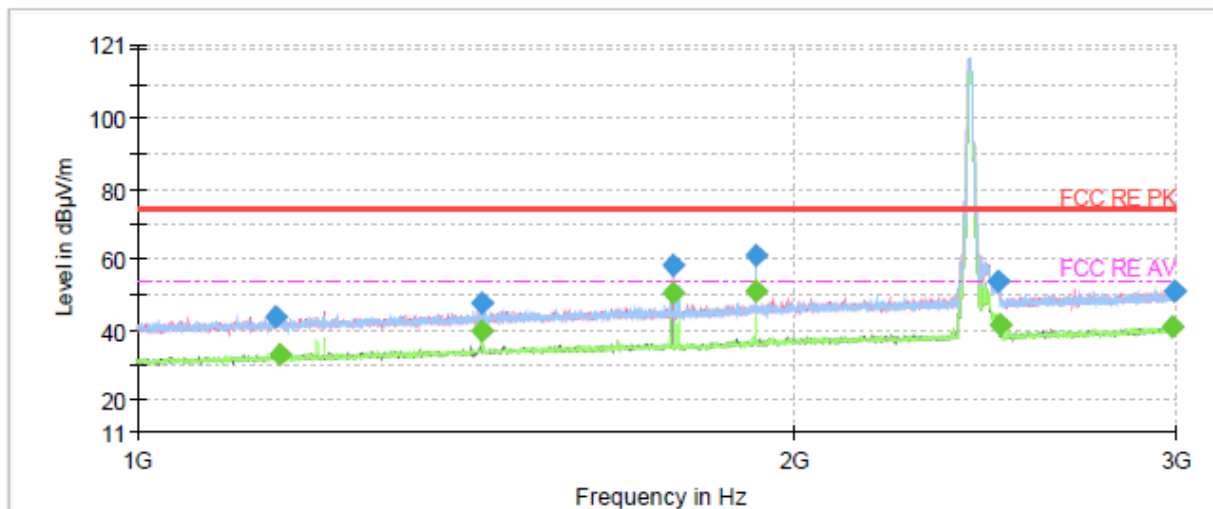
Continuous TX mode:

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



Radiates Emission from 30MHz to 1GHz

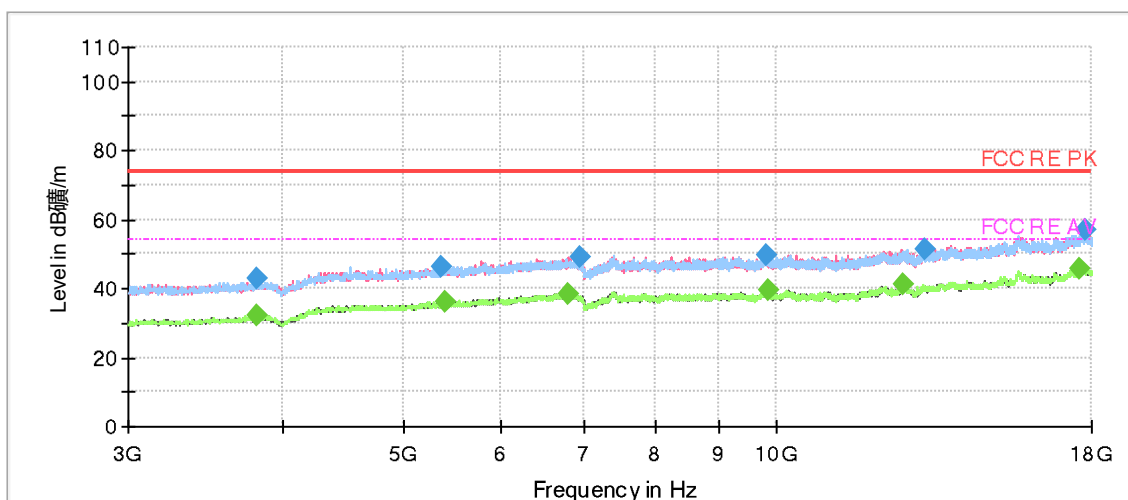
Frequency (MHz)	Quasi-Peak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
39.336250	22.87	40.00	17.13	1000.0	101.0	V	113.0	19.7
52.310000	25.81	40.00	14.19	1000.0	101.0	V	52.0	21.1
68.072500	26.86	40.00	13.14	1000.0	101.0	V	303.0	17.2
118.633750	21.55	43.50	21.95	1000.0	110.0	V	158.0	17.4
140.095000	27.43	43.50	16.07	1000.0	101.0	V	179.0	15.6
215.997500	23.51	43.50	19.99	1000.0	100.0	V	319.0	18.6



Note: The signal beyond the limit is carrier.

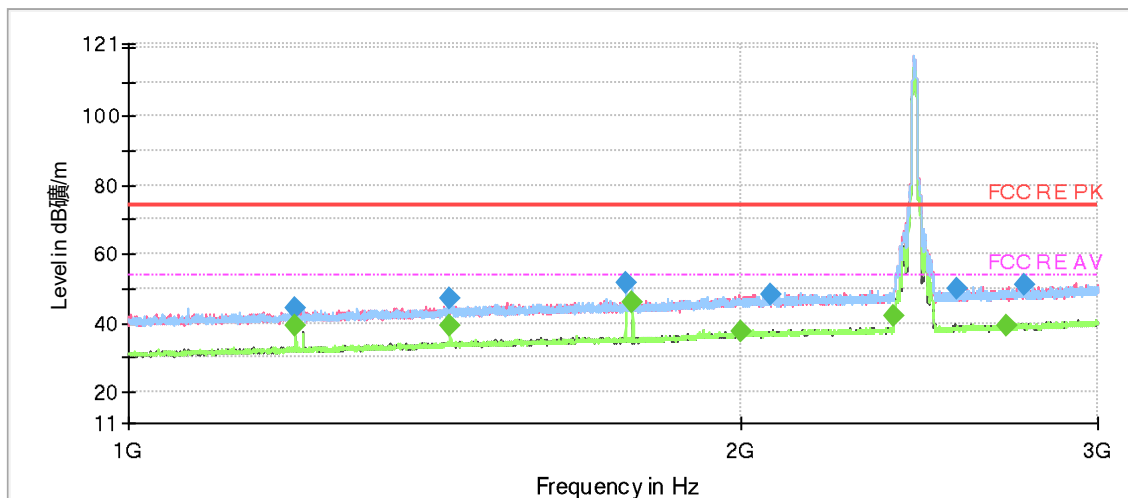
Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1158.000000	43.60	---	74.00	30.40	200.0	200.0	V	34.0	-6
1162.500000	---	32.97	54.00	21.03	200.0	100.0	H	176.0	-6
1440.000000	---	39.60	54.00	14.40	200.0	100.0	H	101.0	-4
1440.000000	47.93	---	74.00	26.07	200.0	100.0	H	101.0	-4
1761.000000	---	50.49	54.00	3.51	200.0	200.0	V	6.0	-2
1761.000000	58.53	---	74.00	15.47	200.0	200.0	V	6.0	-2
1922.750000	61.46	---	74.00	12.54	200.0	200.0	H	5.0	0
1922.750000	---	50.90	54.00	3.10	200.0	200.0	H	5.0	0
2484.500000	54.02	---	74.00	19.98	200.0	200.0	V	34.0	1
2488.500000	---	41.34	54.00	12.66	200.0	100.0	V	96.0	1
2987.250000	---	40.67	54.00	13.33	200.0	100.0	H	2.0	3
2995.500000	51.08	---	74.00	22.92	200.0	200.0	H	348.0	3



Radiates Emission from 3GHz to 18GHz

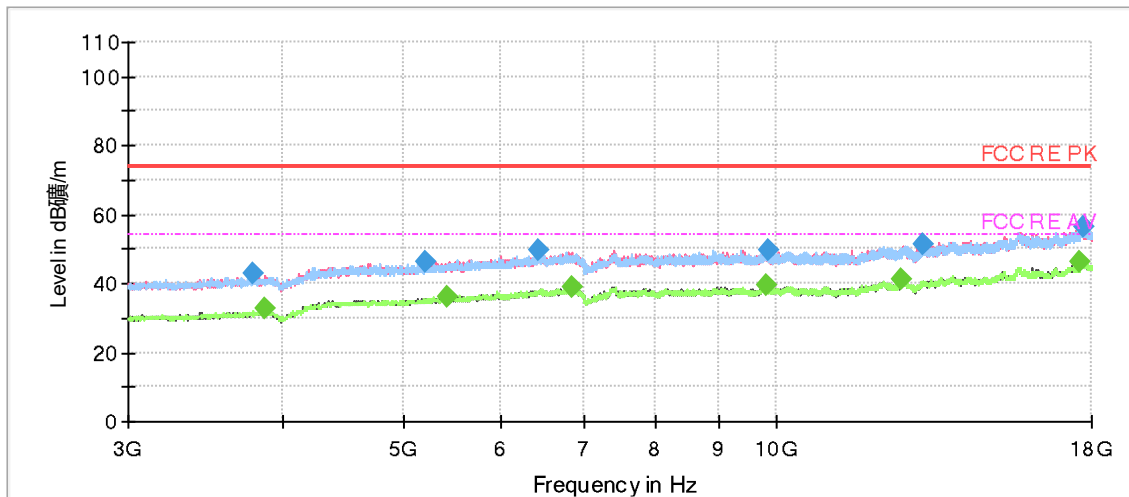
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3819.375000	---	32.38	54.00	21.62	200.0	200.0	H	358.0	-5
3819.375000	42.65	---	74.00	31.35	200.0	200.0	H	358.0	-5
5368.125000	46.26	---	74.00	27.74	200.0	200.0	H	308.0	-1
5409.375000	---	36.26	54.00	17.74	200.0	200.0	H	85.0	0
6795.000000	---	38.57	54.00	15.43	200.0	100.0	V	161.0	1
6948.750000	49.27	---	74.00	24.73	200.0	200.0	V	258.0	0
9843.750000	49.56	---	74.00	24.44	200.0	200.0	H	0.0	3
9873.750000	---	39.39	54.00	14.61	200.0	100.0	H	218.0	3
12673.125000	---	40.93	54.00	13.07	200.0	100.0	V	80.0	5
13185.000000	51.53	---	74.00	22.47	200.0	200.0	H	176.0	5
17623.125000	---	45.94	54.00	8.06	200.0	100.0	V	229.0	10
17790.000000	56.80	---	74.00	17.20	200.0	200.0	H	346.0	10



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

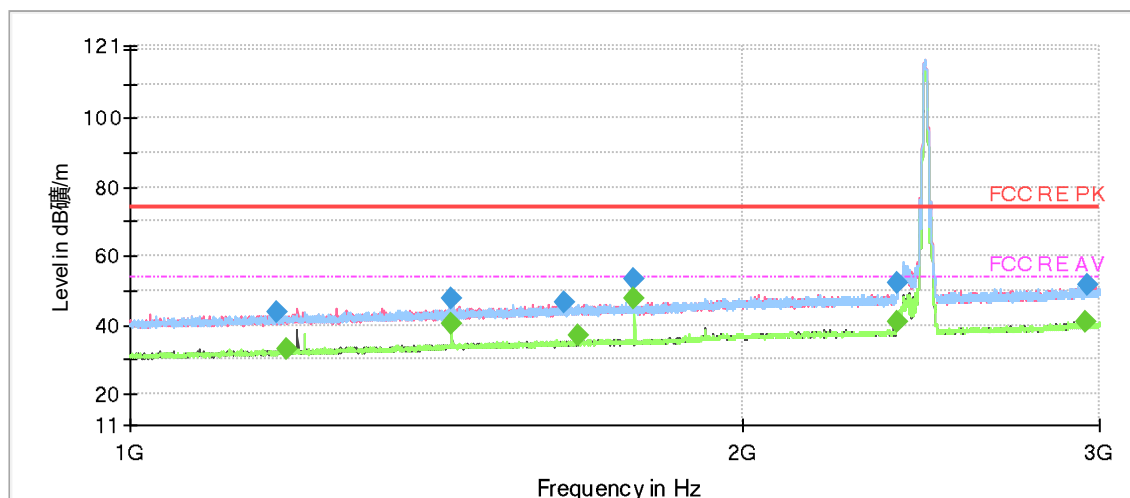
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1208.250000	44.51	---	74.00	29.49	200.0	100.0	V	359.0	-6
1208.500000	---	39.09	54.00	14.91	200.0	100.0	H	310.0	-6
1440.000000	---	39.44	54.00	14.56	200.0	200.0	H	182.0	-4
1440.250000	47.07	---	74.00	26.93	200.0	200.0	H	107.0	-4
1756.250000	51.88	---	74.00	22.12	200.0	100.0	H	0.0	-2
1770.750000	---	45.72	54.00	8.28	200.0	100.0	H	155.0	-2
2001.750000	---	37.37	54.00	16.63	200.0	100.0	V	212.0	0
2072.500000	48.30	---	74.00	25.70	200.0	100.0	V	306.0	0
2382.250000	---	42.07	54.00	11.93	200.0	100.0	H	100.0	1
2555.000000	50.04	---	74.00	23.96	200.0	100.0	V	58.0	2
2707.750000	---	39.11	54.00	14.89	200.0	100.0	V	144.0	2
2760.500000	50.93	---	74.00	23.07	200.0	100.0	H	167.0	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)
3789.375000	42.73	---	74.00	31.27	200.0	100.0	H	192.0	-5
3870.000000	---	32.44	54.00	21.56	200.0	200.0	H	71.0	-5
5210.625000	46.47	---	74.00	27.53	200.0	200.0	V	134.0	-1
5431.875000	---	36.31	54.00	17.69	200.0	200.0	V	74.0	0
6429.375000	49.54	---	74.00	24.46	200.0	100.0	H	129.0	1
6855.000000	---	38.94	54.00	15.06	200.0	200.0	H	52.0	1
9821.250000	---	39.23	54.00	14.77	200.0	200.0	H	0.0	3
9875.625000	49.83	---	74.00	24.17	200.0	200.0	V	108.0	3
12635.625000	---	40.96	54.00	13.04	200.0	200.0	H	277.0	5
13151.250000	51.11	---	74.00	22.89	200.0	200.0	V	164.0	5
17613.750000	---	46.15	54.00	7.85	200.0	100.0	V	211.0	10
17739.375000	56.42	---	74.00	17.58	200.0	100.0	V	106.0	10

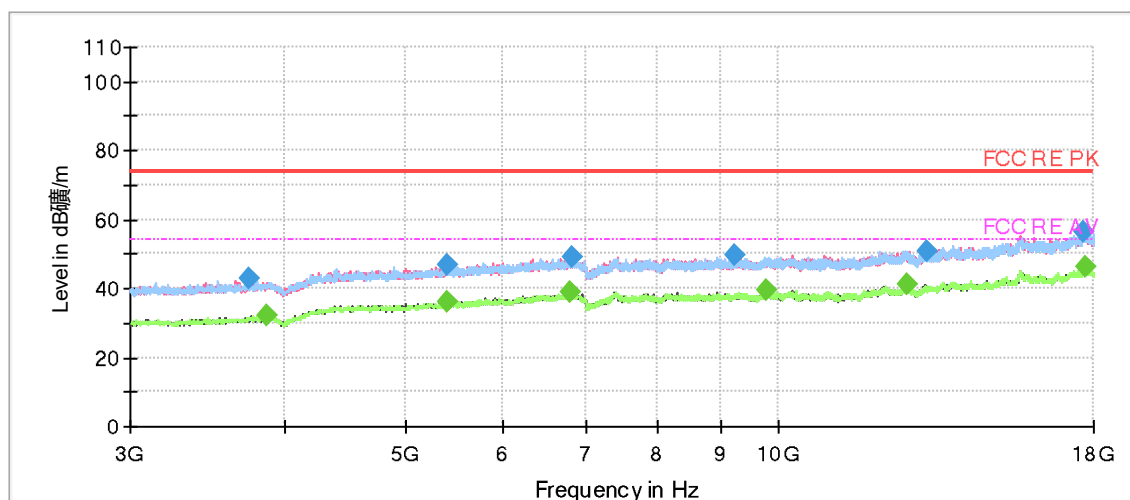
802.11b CH11



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

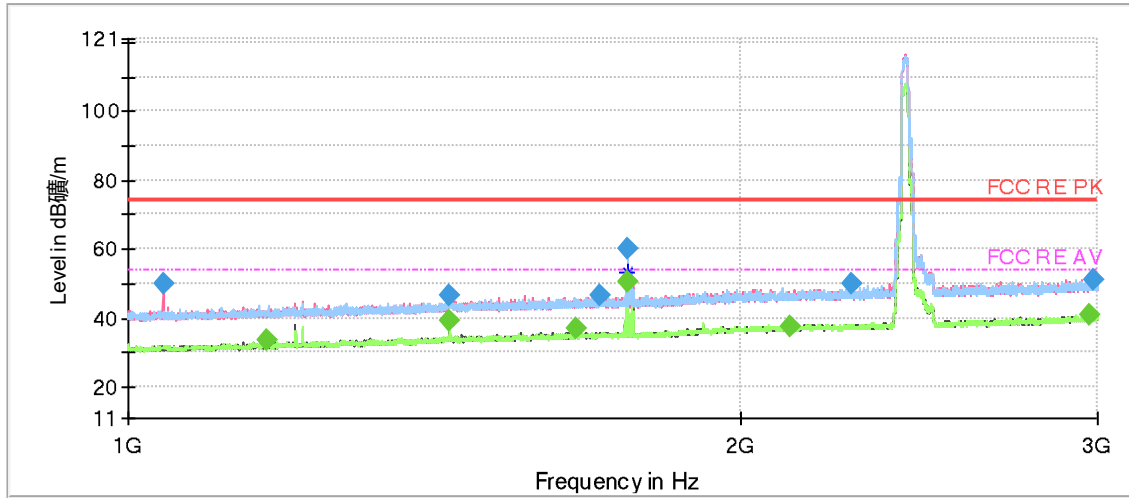
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1181.750000	43.57	---	74.00	30.43	200.0	200.0	H	153.0	-6
1193.500000	---	33.06	54.00	20.94	200.0	100.0	V	0.0	-6
1439.500000	47.50	---	74.00	26.50	200.0	100.0	V	267.0	-4
1440.000000	---	40.29	54.00	13.71	200.0	200.0	V	111.0	-4
1636.250000	46.42	---	74.00	27.58	200.0	200.0	V	77.0	-3
1661.250000	---	36.96	54.00	17.04	200.0	200.0	H	277.0	-2
1770.500000	---	47.63	54.00	6.37	200.0	100.0	H	236.0	-2
1770.500000	53.25	---	74.00	20.75	200.0	100.0	H	236.0	-2
2385.500000	---	41.05	54.00	12.95	200.0	200.0	V	37.0	1
2388.250000	52.22	---	74.00	21.78	200.0	100.0	V	98.0	1
2951.250000	---	40.71	54.00	13.29	200.0	200.0	V	178.0	3
2961.000000	51.57	---	74.00	22.43	200.0	200.0	H	17.0	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)
3740.625000	42.63	---	74.00	31.37	200.0	100.0	V	359.0	-6
3868.125000	---	32.11	54.00	21.89	200.0	100.0	V	142.0	-5
5401.875000	47.08	---	74.00	26.92	200.0	200.0	V	66.0	0
5413.125000	---	36.27	54.00	17.73	200.0	200.0	V	16.0	0
6798.750000	---	38.69	54.00	15.31	200.0	200.0	V	10.0	1
6834.375000	49.19	---	74.00	24.81	200.0	100.0	V	303.0	1
9251.250000	49.47	---	74.00	24.53	200.0	100.0	H	70.0	3
9800.625000	---	39.34	54.00	14.66	200.0	100.0	V	266.0	3
12721.875000	---	41.12	54.00	12.88	200.0	200.0	H	114.0	5
13203.750000	50.95	---	74.00	23.05	200.0	200.0	V	249.0	5
17643.750000	56.55	---	74.00	17.45	200.0	100.0	H	15.0	10
17743.125000	---	46.23	54.00	7.77	200.0	100.0	V	273.0	10

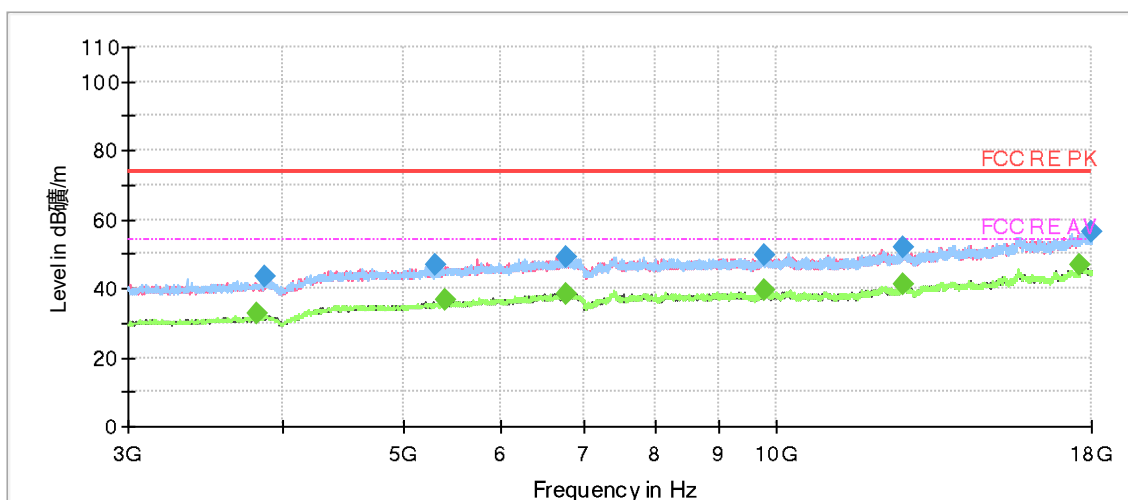
802.11g CH1



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

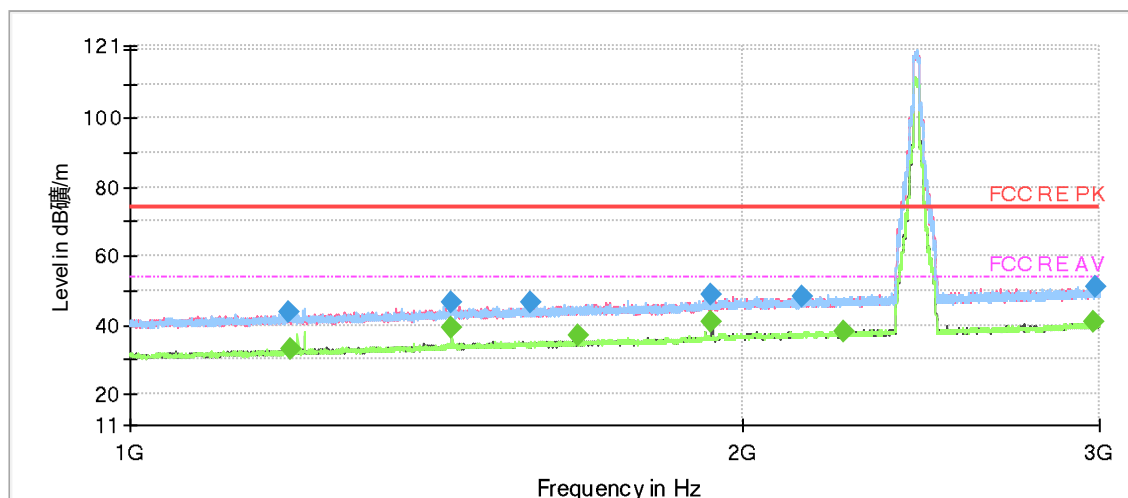
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1040.250000	49.86	---	74.00	24.14	200.0	200.0	V	63.0	-7
1170.750000	---	33.36	54.00	20.64	200.0	200.0	V	20.0	-6
1440.000000	---	39.40	54.00	14.60	200.0	100.0	H	100.0	-4
1440.250000	46.81	---	74.00	27.19	200.0	200.0	V	108.0	-4
1661.500000	---	36.83	54.00	17.17	200.0	100.0	V	99.0	-2
1706.250000	46.43	---	74.00	27.57	200.0	100.0	V	305.0	-2
1762.000000	---	50.28	54.00	3.72	200.0	100.0	H	95.0	-2
1762.000000	60.28	---	74.00	13.72	200.0	100.0	H	95.0	-2
2119.250000	---	37.77	54.00	16.23	200.0	100.0	V	260.0	0
2273.000000	49.88	---	74.00	24.12	200.0	100.0	V	53.0	1
2972.750000	---	41.12	54.00	12.88	200.0	100.0	V	64.0	3
2986.500000	51.13	---	74.00	22.87	200.0	200.0	H	84.0	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)
3813.750000	---	32.52	54.00	21.48	200.0	200.0	V	46.0	-5
3873.750000	43.33	---	74.00	30.67	200.0	100.0	V	118.0	-5
5310.000000	46.59	---	74.00	27.41	200.0	100.0	V	332.0	-1
5411.250000	---	36.53	54.00	17.47	200.0	100.0	H	300.0	0
6778.125000	48.97	---	74.00	25.03	200.0	200.0	H	143.0	1
6785.625000	---	38.56	54.00	15.44	200.0	100.0	V	277.0	1
9800.625000	---	39.52	54.00	14.48	200.0	100.0	V	277.0	3
9800.625000	49.70	---	74.00	24.30	200.0	200.0	V	46.0	3
12686.250000	51.75	---	74.00	22.25	200.0	100.0	H	47.0	5
12688.125000	---	41.25	54.00	12.75	200.0	100.0	V	188.0	5
17638.125000	---	47.02	54.00	6.98	200.0	100.0	H	21.0	10
17970.000000	56.49	---	74.00	17.51	200.0	200.0	V	33.0	10

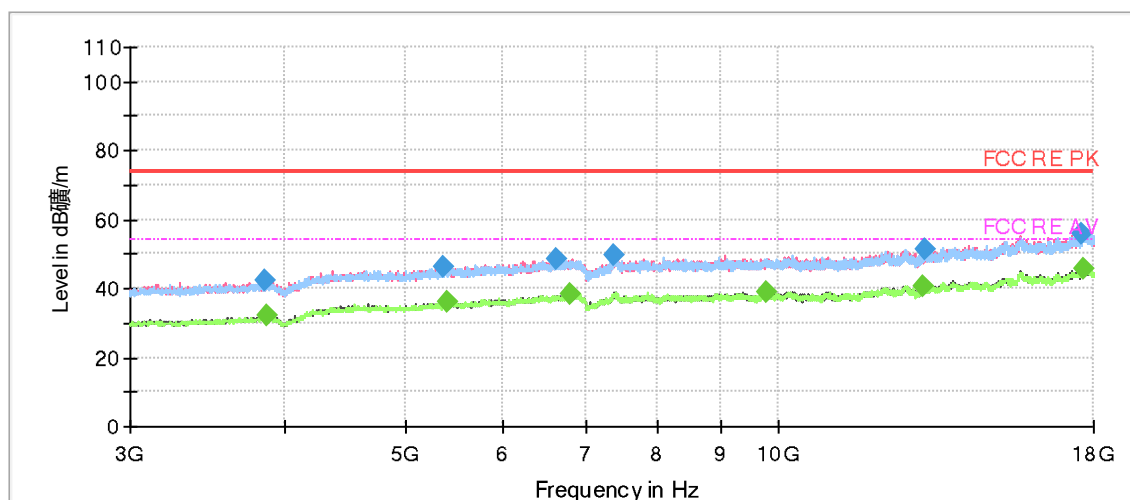
802.11g CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

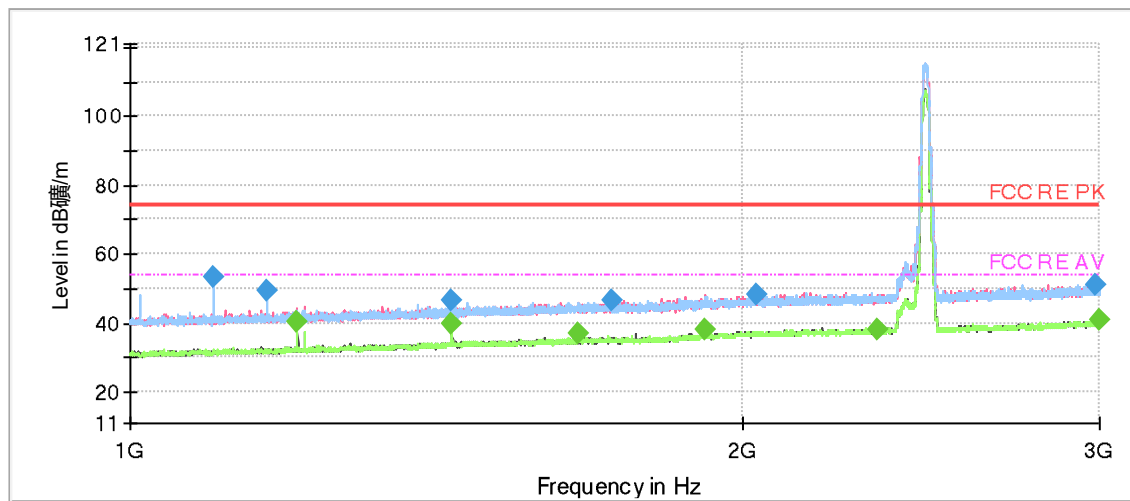
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1195.750000	43.60	---	74.00	30.40	200.0	100.0	H	132.0	-6
1198.750000	---	33.14	54.00	20.86	200.0	200.0	H	286.0	-6
1439.250000	46.41	---	74.00	27.59	200.0	200.0	V	4.0	-4
1439.750000	---	39.27	54.00	14.73	200.0	100.0	V	182.0	-4
1575.000000	46.61	---	74.00	27.39	200.0	200.0	V	113.0	-3
1661.500000	---	36.84	54.00	17.16	200.0	100.0	V	109.0	-2
1933.250000	---	40.93	54.00	13.07	200.0	100.0	V	335.0	0
1933.500000	48.82	---	74.00	25.18	200.0	100.0	V	335.0	0
2142.250000	47.99	---	74.00	26.01	200.0	100.0	H	137.0	0
2245.250000	---	37.96	54.00	16.04	200.0	200.0	V	43.0	1
2980.000000	---	40.94	54.00	13.06	200.0	200.0	H	358.0	3
2984.250000	51.30	---	74.00	22.70	200.0	200.0	V	152.0	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)
3856.875000	42.11	---	74.00	31.89	200.0	100.0	V	205.0	-5
3868.125000	---	32.31	54.00	21.69	200.0	200.0	V	289.0	-5
5381.250000	46.30	---	74.00	27.70	200.0	100.0	H	0.0	-1
5411.250000	---	35.98	54.00	18.02	200.0	200.0	H	289.0	0
6620.625000	48.49	---	74.00	25.51	200.0	100.0	H	241.0	1
6804.375000	---	38.45	54.00	15.55	200.0	200.0	V	40.0	1
7365.000000	49.37	---	74.00	24.63	200.0	100.0	H	160.0	2
9806.250000	---	39.10	54.00	14.90	200.0	100.0	V	330.0	3
13123.125000	---	40.88	54.00	13.12	200.0	200.0	H	71.0	5
13171.875000	51.33	---	74.00	22.67	200.0	100.0	V	317.0	5
17600.625000	56.05	---	74.00	17.95	200.0	100.0	V	0.0	10
17641.875000	---	45.93	54.00	8.07	200.0	200.0	H	276.0	10

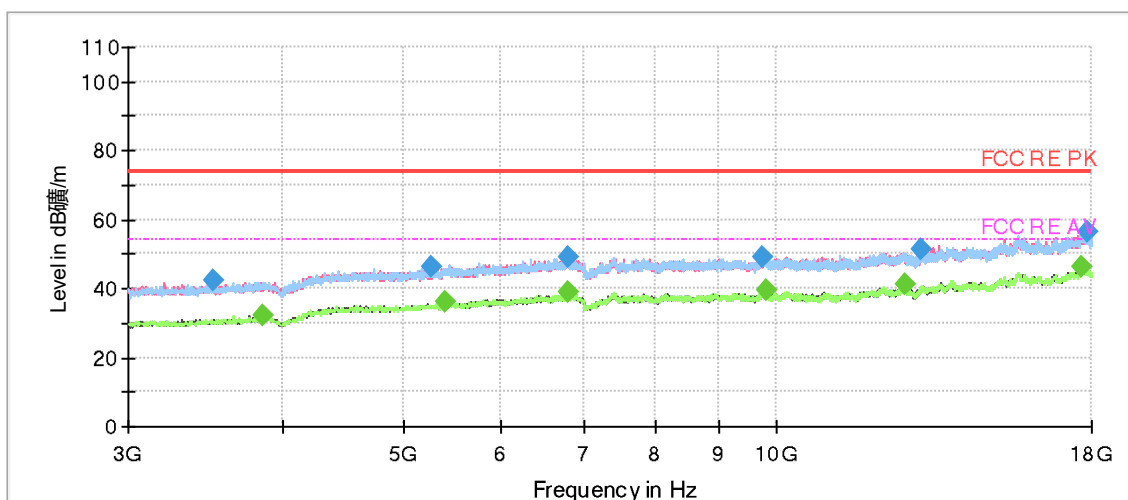
802.11g CH11



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

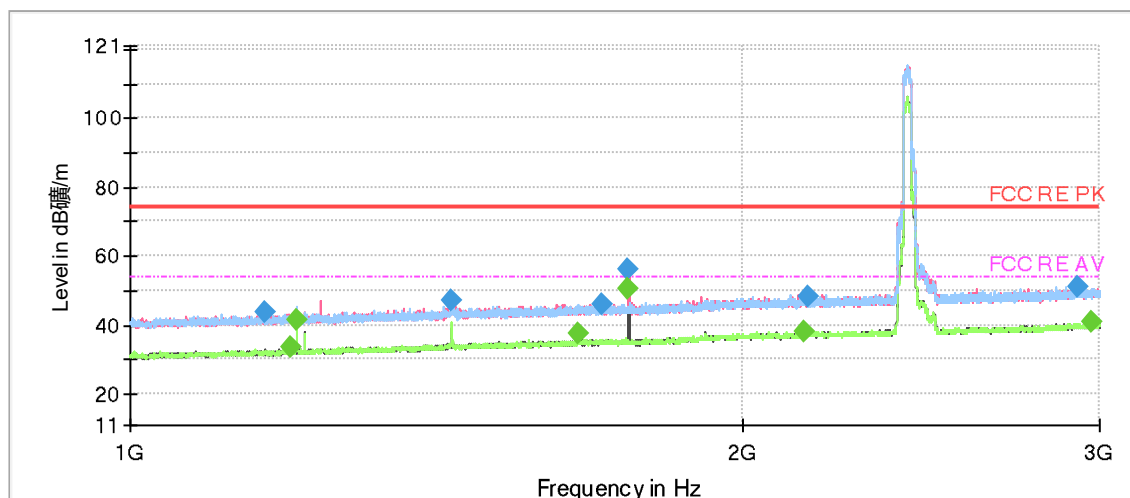
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1098.750000	53.43	---	74.00	20.57	200.0	200.0	H	52.0	-7
1167.750000	49.34	---	74.00	24.66	200.0	200.0	H	201.0	-6
1208.750000	---	40.12	54.00	13.88	200.0	200.0	H	285.0	-6
1440.000000	---	39.67	54.00	14.33	200.0	200.0	V	99.0	-4
1440.000000	46.71	---	74.00	27.29	200.0	100.0	V	111.0	-4
1661.500000	---	36.88	54.00	17.12	200.0	100.0	V	102.0	-2
1726.000000	46.38	---	74.00	27.62	200.0	100.0	H	60.0	-2
1920.250000	---	37.82	54.00	16.18	200.0	100.0	V	272.0	-1
2036.000000	48.48	---	74.00	25.52	200.0	200.0	H	291.0	0
2330.500000	---	38.17	54.00	15.83	200.0	200.0	V	1.0	1
2983.250000	51.16	---	74.00	22.84	200.0	100.0	H	132.0	3
2998.250000	---	40.76	54.00	13.24	200.0	200.0	V	0.0	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)
3510.000000	42.16	---	74.00	31.84	200.0	100.0	V	65.0	-6
3858.750000	---	32.20	54.00	21.80	200.0	100.0	H	147.0	-5
5276.250000	46.29	---	74.00	27.71	200.0	100.0	V	179.0	-1
5407.500000	---	36.08	54.00	17.92	200.0	100.0	V	333.0	0
6793.125000	48.84	---	74.00	25.16	200.0	100.0	H	32.0	1
6811.875000	---	38.71	54.00	15.29	200.0	200.0	H	171.0	1
9759.375000	48.91	---	74.00	25.09	200.0	100.0	V	314.0	3
9828.750000	---	39.23	54.00	14.77	200.0	100.0	H	290.0	3
12723.750000	---	41.23	54.00	12.77	200.0	200.0	H	279.0	5
13108.125000	51.16	---	74.00	22.84	200.0	100.0	V	191.0	5
17653.125000	---	46.25	54.00	7.75	200.0	200.0	V	288.0	10
17874.375000	56.33	---	74.00	17.67	200.0	100.0	V	122.0	10

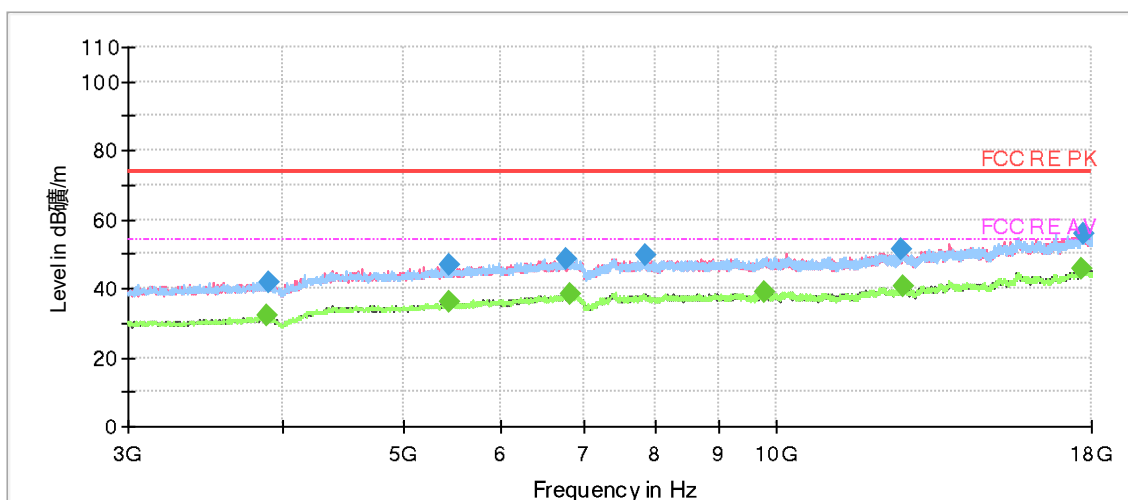
802.11ax HE20 CH 1



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

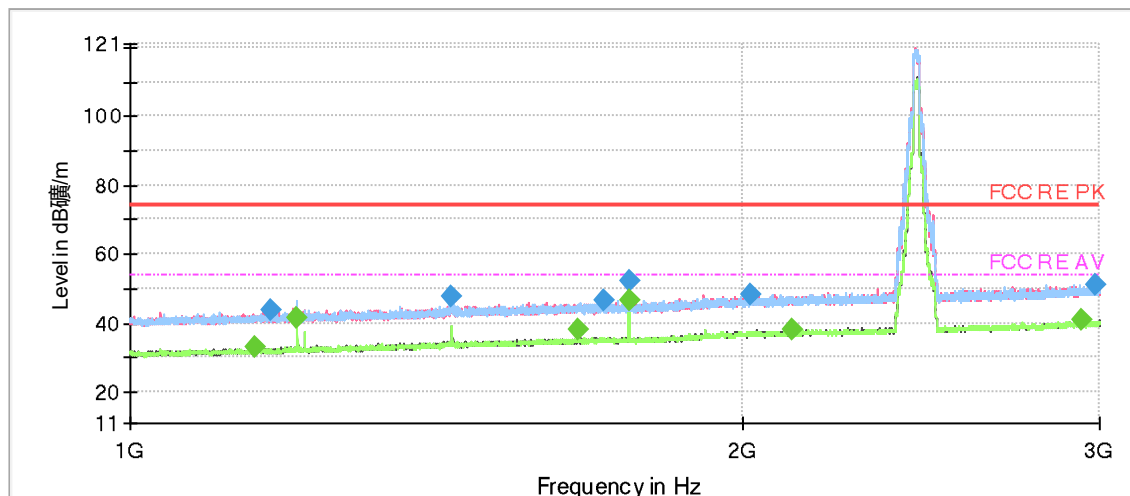
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1165.500000	43.47	---	74.00	30.53	200.0	100.0	V	17.0	-6
1199.500000	---	33.33	54.00	20.67	200.0	100.0	V	162.0	-6
1208.500000	---	41.21	54.00	12.79	200.0	200.0	V	118.0	-6
1440.250000	46.98	---	74.00	27.02	200.0	100.0	V	268.0	-4
1661.500000	---	37.42	54.00	16.58	200.0	100.0	V	98.0	-2
1706.250000	46.13	---	74.00	27.87	200.0	200.0	V	262.0	-2
1759.250000	56.41	---	74.00	17.59	200.0	100.0	V	230.0	-2
1759.500000	---	50.70	54.00	3.30	200.0	100.0	V	230.0	-2
2147.000000	---	37.90	54.00	16.10	200.0	100.0	H	30.0	0
2156.000000	48.04	---	74.00	25.96	200.0	200.0	V	49.0	0
2926.500000	51.18	---	74.00	22.82	200.0	200.0	V	95.0	3
2975.250000	---	40.79	54.00	13.21	200.0	200.0	H	318.0	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)
3881.250000	---	32.04	54.00	21.96	200.0	200.0	V	87.0	-5
3892.500000	41.91	---	74.00	32.09	200.0	200.0	V	240.0	-5
5448.750000	---	36.18	54.00	17.82	200.0	100.0	H	347.0	0
5448.750000	46.61	---	74.00	27.39	200.0	100.0	H	347.0	0
6768.750000	48.49	---	74.00	25.51	200.0	200.0	V	228.0	1
6817.500000	---	38.49	54.00	15.51	200.0	200.0	V	148.0	1
7850.625000	49.48	---	74.00	24.52	200.0	200.0	H	190.0	2
9810.000000	---	39.03	54.00	14.97	200.0	200.0	V	92.0	3
12650.625000	51.26	---	74.00	22.74	200.0	200.0	V	21.0	5
12686.250000	---	40.87	54.00	13.13	200.0	200.0	H	98.0	5
17696.250000	---	45.85	54.00	8.15	200.0	200.0	V	0.0	10
17713.125000	55.89	---	74.00	18.11	200.0	200.0	V	215.0	10

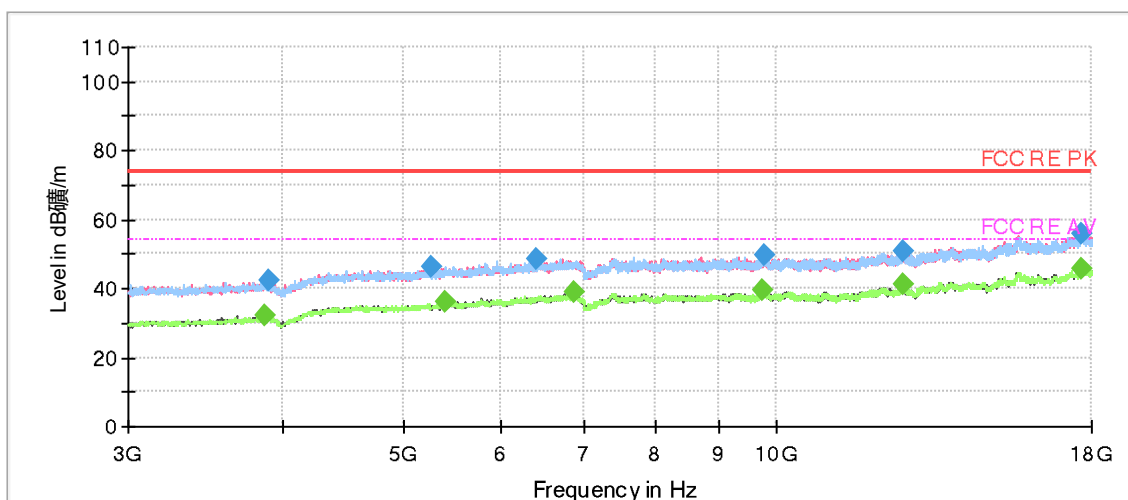
802.11ax HE20 CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

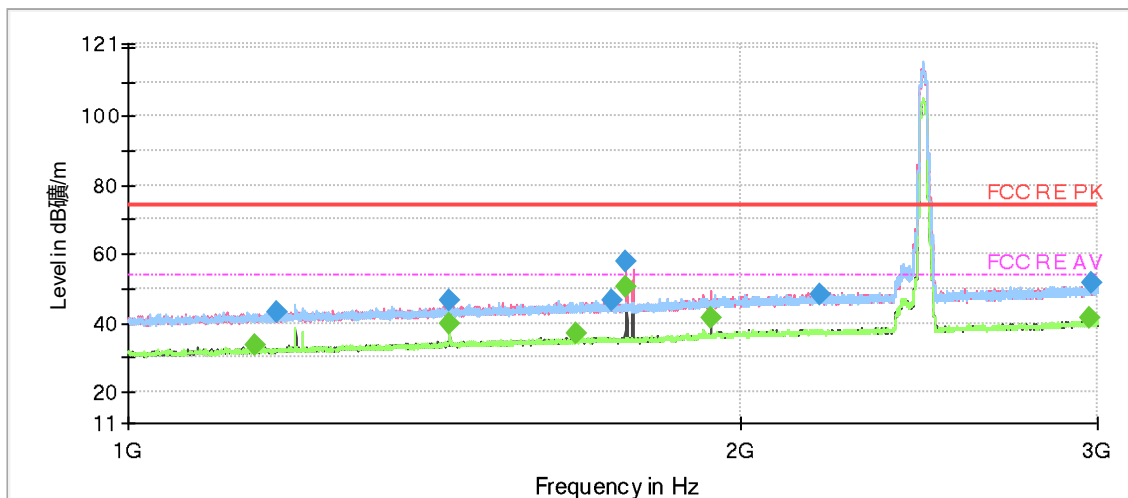
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1153.250000	---	33.22	54.00	20.78	200.0	100.0	H	0.0	-6
1172.500000	43.57	---	74.00	30.43	200.0	100.0	H	80.0	-6
1208.750000	---	41.27	54.00	12.73	200.0	100.0	H	227.0	-6
1440.250000	47.56	---	74.00	26.44	200.0	100.0	V	104.0	-4
1661.500000	---	38.00	54.00	16.00	200.0	200.0	V	104.0	-2
1710.000000	46.52	---	74.00	27.48	200.0	200.0	H	239.0	-2
1759.750000	52.34	---	74.00	21.66	200.0	100.0	H	325.0	-2
1759.750000	---	46.38	54.00	7.62	200.0	100.0	H	325.0	-2
2022.250000	48.51	---	74.00	25.49	200.0	200.0	V	58.0	0
2119.750000	---	38.02	54.00	15.98	200.0	100.0	V	109.0	0
2942.250000	---	40.91	54.00	13.09	200.0	100.0	H	302.0	3
2984.750000	51.14	---	74.00	22.86	200.0	200.0	H	109.0	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)
3862.500000	---	32.01	54.00	21.99	200.0	100.0	V	284.0	-5
3901.875000	42.28	---	74.00	31.72	200.0	100.0	V	45.0	-5
5280.000000	46.21	---	74.00	27.79	200.0	100.0	V	51.0	-1
5407.500000	---	35.94	54.00	18.06	200.0	100.0	H	51.0	0
6418.125000	48.46	---	74.00	25.55	200.0	200.0	V	0.0	1
6886.875000	---	38.66	54.00	15.34	200.0	100.0	V	357.0	1
9755.625000	---	39.63	54.00	14.37	200.0	200.0	V	246.0	3
9780.000000	49.41	---	74.00	24.59	200.0	100.0	H	193.0	3
12673.125000	51.03	---	74.00	22.97	200.0	200.0	V	203.0	5
12680.625000	---	41.01	54.00	12.99	200.0	100.0	H	0.0	5
17677.500000	---	45.73	54.00	8.27	200.0	200.0	H	188.0	10
17692.500000	55.76	---	74.00	18.24	200.0	200.0	H	0.0	10

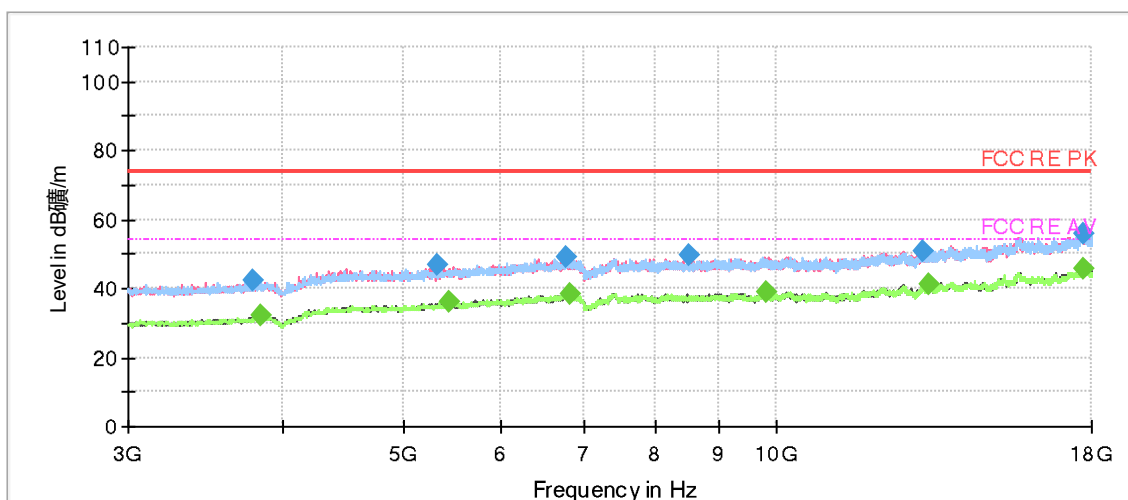
802.11ax HE20 CH11



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

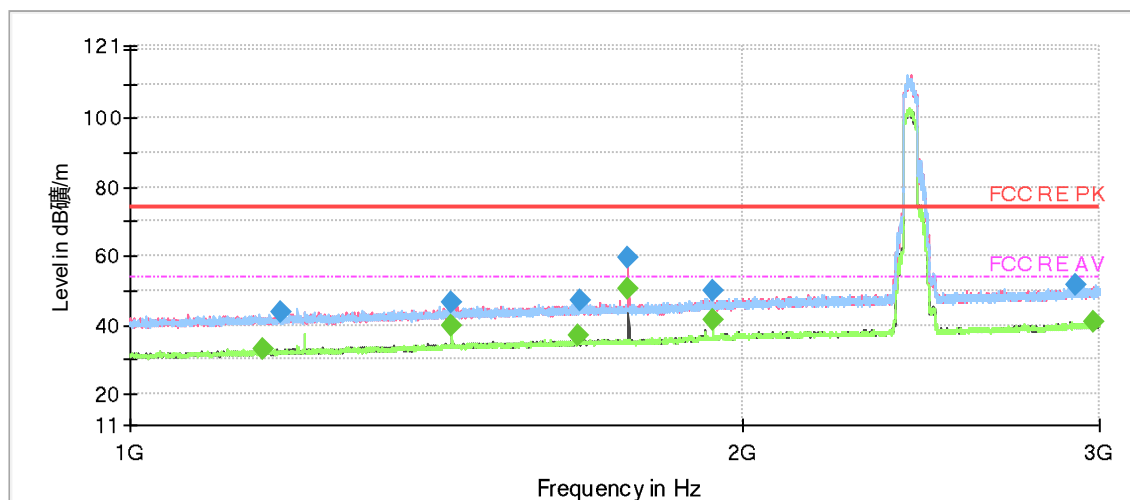
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1155.250000	---	33.42	54.00	20.58	200.0	200.0	H	240.0	-6
1183.750000	43.22	---	74.00	30.78	200.0	200.0	V	22.0	-6
1439.250000	46.75	---	74.00	27.25	200.0	100.0	H	105.0	-4
1440.000000	---	39.95	54.00	14.05	200.0	200.0	V	5.0	-4
1661.250000	---	36.96	54.00	17.04	200.0	200.0	V	106.0	-2
1729.500000	46.39	---	74.00	27.61	200.0	200.0	H	0.0	-2
1758.750000	---	50.37	54.00	3.63	200.0	200.0	V	72.0	-2
1758.750000	57.56	---	74.00	16.44	200.0	200.0	V	72.0	-2
1935.000000	---	41.25	54.00	12.75	200.0	100.0	V	1.0	0
2192.250000	48.40	---	74.00	25.60	200.0	100.0	H	56.0	0
2971.500000	---	41.29	54.00	12.71	200.0	200.0	H	332.0	3
2980.750000	51.51	---	74.00	22.49	200.0	200.0	V	0.0	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)
3781.875000	42.33	---	74.00	31.67	200.0	100.0	V	174.0	-5
3841.875000	---	32.24	54.00	21.76	200.0	200.0	V	228.0	-5
5334.375000	46.74	---	74.00	27.26	200.0	100.0	V	174.0	-1
5448.750000	---	36.18	54.00	17.82	200.0	200.0	H	130.0	0
6776.250000	48.80	---	74.00	25.20	200.0	200.0	H	315.0	1
6817.500000	---	38.42	54.00	15.58	200.0	200.0	H	309.0	1
8521.875000	49.42	---	74.00	24.58	200.0	200.0	V	166.0	3
9821.250000	---	38.88	54.00	15.12	200.0	200.0	H	192.0	3
13147.500000	50.70	---	74.00	23.30	200.0	200.0	H	123.0	5
13303.125000	---	41.04	54.00	12.96	200.0	100.0	V	174.0	5
17720.625000	---	45.92	54.00	8.08	200.0	100.0	H	162.0	10
17735.625000	56.01	---	74.00	17.99	200.0	200.0	H	223.0	10

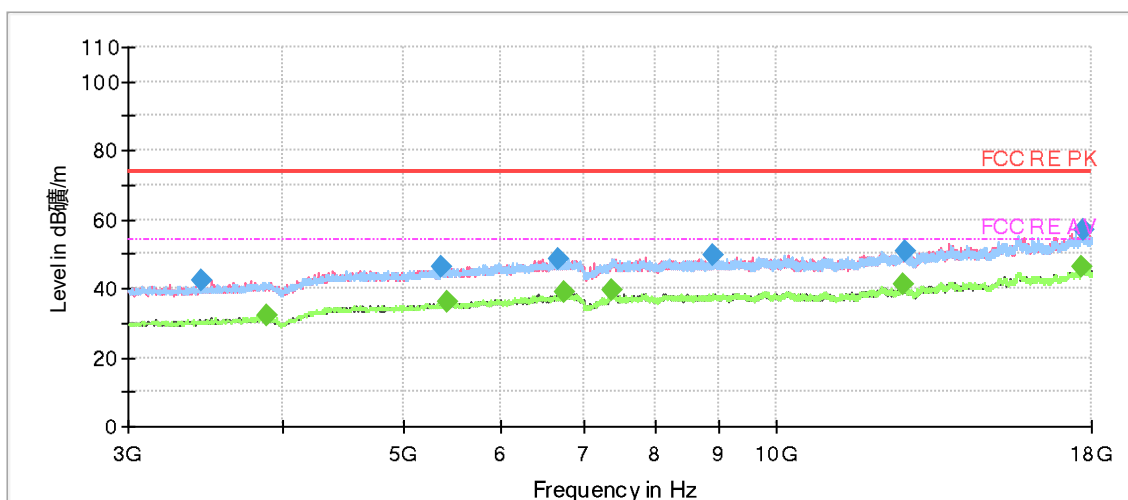
802.11ax HE40 CH3



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

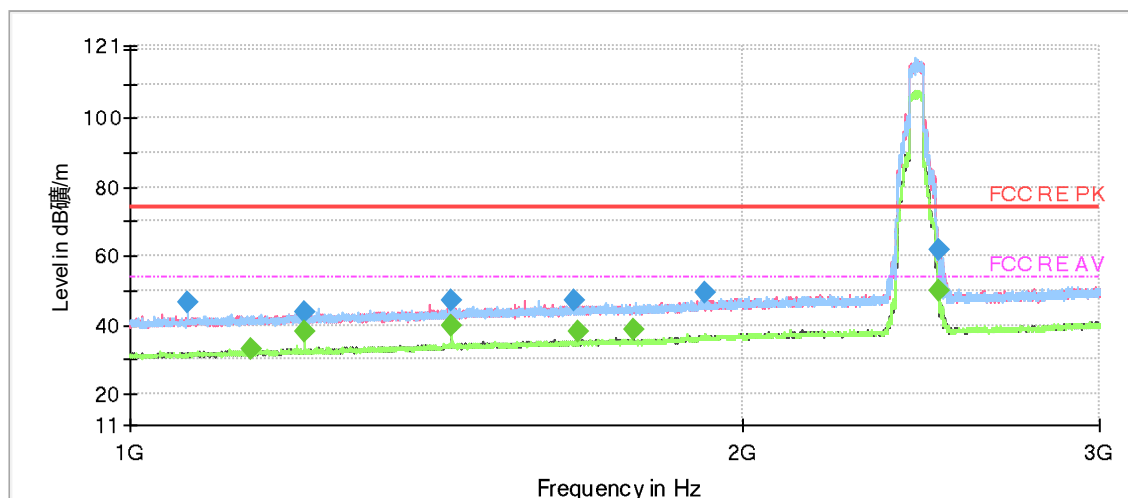
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1163.500000	---	32.92	54.00	21.08	200.0	200.0	H	0.0	-6
1185.500000	43.76	---	74.00	30.24	200.0	200.0	V	178.0	-6
1440.000000	---	39.67	54.00	14.33	200.0	200.0	H	110.0	-4
1440.250000	46.43	---	74.00	27.57	200.0	100.0	V	111.0	-4
1661.250000	---	36.98	54.00	17.02	200.0	100.0	V	100.0	-2
1665.250000	46.96	---	74.00	27.04	200.0	100.0	H	36.0	-2
1758.750000	---	50.65	54.00	3.35	200.0	200.0	V	355.0	-2
1758.750000	59.73	---	74.00	14.27	200.0	200.0	V	355.0	-2
1934.000000	---	41.44	54.00	12.56	200.0	200.0	H	333.0	0
1934.000000	49.74	---	74.00	24.26	200.0	200.0	H	333.0	0
2918.250000	51.68	---	74.00	22.32	200.0	200.0	H	235.0	3
2982.750000	---	40.86	54.00	13.14	200.0	200.0	V	144.0	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)
3433.125000	42.26	---	74.00	31.74	200.0	200.0	V	9.0	-6
3881.250000	---	32.17	54.00	21.83	200.0	200.0	H	329.0	-5
5379.375000	46.32	---	74.00	27.68	200.0	200.0	V	135.0	-1
5426.250000	---	36.09	54.00	17.91	200.0	100.0	H	106.0	0
6686.250000	48.66	---	74.00	25.34	200.0	200.0	V	154.0	1
6757.500000	---	38.69	54.00	15.31	200.0	200.0	H	214.0	1
7370.625000	---	39.28	54.00	14.72	200.0	200.0	H	176.0	2
8889.375000	49.87	---	74.00	24.13	200.0	100.0	V	173.0	3
12669.375000	---	41.12	54.00	12.88	200.0	200.0	H	132.0	5
12721.875000	50.95	---	74.00	23.05	200.0	100.0	H	14.0	5
17673.750000	---	46.02	54.00	7.98	200.0	100.0	V	228.0	10
17715.000000	56.71	---	74.00	17.29	200.0	200.0	V	0.0	10

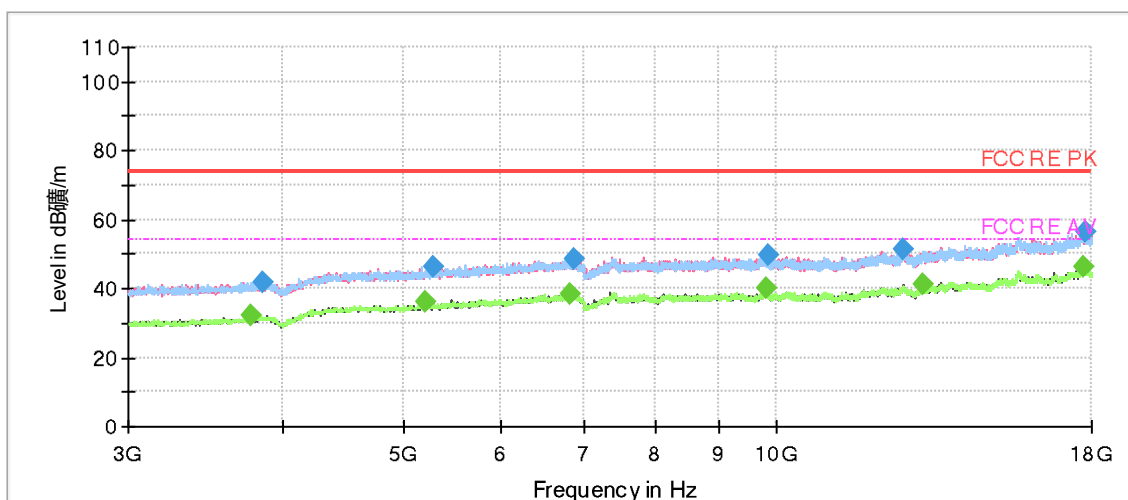
802.11ax HE40 CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

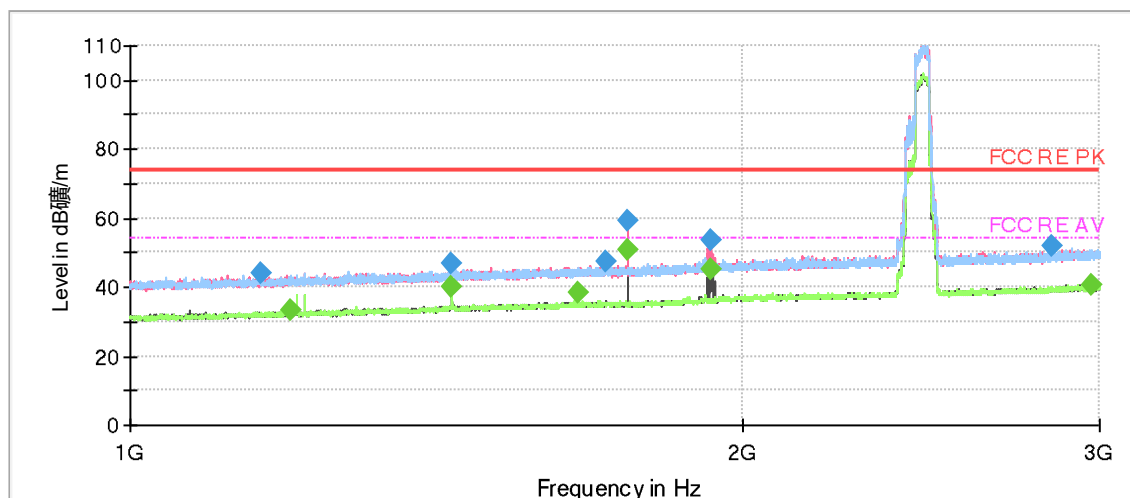
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1066.750000	46.59	---	74.00	27.41	200.0	200.0	H	129.0	-7
1146.000000	---	33.25	54.00	20.75	200.0	200.0	V	60.0	-7
1218.000000	43.80	---	74.00	30.20	200.0	200.0	V	116.0	-6
1218.250000	---	37.81	54.00	16.19	200.0	200.0	V	104.0	-6
1439.750000	47.18	---	74.00	26.82	200.0	200.0	H	118.0	-4
1440.000000	---	39.59	54.00	14.41	200.0	200.0	H	107.0	-4
1653.500000	47.03	---	74.00	26.97	200.0	100.0	H	156.0	-3
1661.500000	---	37.85	54.00	16.15	200.0	200.0	H	101.0	-2
1769.500000	---	38.49	54.00	15.51	200.0	200.0	V	199.0	-2
1920.250000	49.23	---	74.00	24.77	200.0	200.0	V	270.0	-1
2498.500000	---	50.03	54.00	3.97	200.0	100.0	V	95.0	1
2499.000000	61.57	---	74.00	12.43	200.0	100.0	H	38.0	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)
3776.250000	---	32.20	54.00	21.80	200.0	200.0	V	243.0	-5
3851.250000	41.97	---	74.00	32.03	200.0	200.0	H	186.0	-5
5218.125000	---	36.18	54.00	17.82	200.0	100.0	H	119.0	-1
5300.625000	46.40	---	74.00	27.60	200.0	200.0	V	354.0	-1
6830.625000	---	38.38	54.00	15.62	200.0	100.0	V	349.0	1
6866.250000	48.31	---	74.00	25.69	200.0	100.0	H	46.0	1
9830.625000	---	39.88	54.00	14.12	200.0	100.0	H	285.0	3
9870.000000	49.59	---	74.00	24.41	200.0	100.0	H	204.0	3
12680.625000	51.19	---	74.00	22.81	200.0	200.0	V	71.0	5
13151.250000	---	40.99	54.00	13.01	200.0	100.0	V	221.0	5
17718.750000	---	45.98	54.00	8.02	200.0	200.0	H	57.0	10
17831.250000	56.40	---	74.00	17.60	200.0	100.0	H	64.0	10

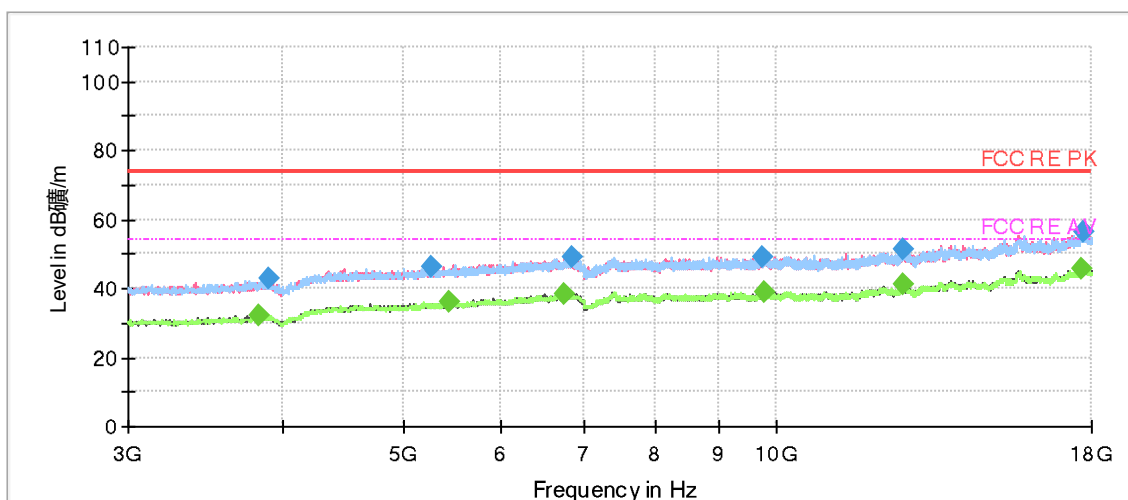
802.11ax HE40 CH9



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)
1159.500000	43.94	---	74.00	30.06	200.0	100.0	H	334.0	-6
1198.250000	---	33.50	54.00	20.50	200.0	100.0	H	0.0	-6
1439.750000	46.57	---	74.00	27.43	200.0	200.0	H	117.0	-4
1440.000000	---	39.92	54.00	14.09	200.0	100.0	V	99.0	-4
1661.500000	---	38.22	54.00	15.78	200.0	200.0	H	251.0	-2
1714.000000	47.16	---	74.00	26.84	200.0	100.0	V	303.0	-2
1757.500000	---	50.68	54.00	3.32	200.0	200.0	V	0.0	-2
1757.500000	59.02	---	74.00	14.98	200.0	200.0	V	0.0	-2
1931.500000	---	45.38	54.00	8.62	200.0	100.0	V	110.0	0
1931.750000	53.44	---	74.00	20.56	200.0	100.0	V	110.0	0
2845.000000	52.04	---	74.00	21.96	200.0	200.0	H	220.0	3
2973.750000	---	40.77	54.00	13.23	200.0	200.0	H	204.0	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)
3828.750000	---	32.25	54.00	21.75	200.0	100.0	V	0.0	-5
3892.500000	42.85	---	74.00	31.15	200.0	100.0	V	169.0	-5
5265.000000	46.32	---	74.00	27.68	200.0	200.0	H	300.0	-1
5450.625000	---	36.18	54.00	17.82	200.0	100.0	H	146.0	0
6751.875000	---	38.52	54.00	15.48	200.0	200.0	H	354.0	1
6849.375000	49.03	---	74.00	24.97	200.0	100.0	H	146.0	1
9751.875000	49.16	---	74.00	24.84	200.0	200.0	H	320.0	3
9795.000000	---	39.11	54.00	14.89	200.0	200.0	H	76.0	3
12686.250000	51.43	---	74.00	22.57	200.0	200.0	V	0.0	5
12691.875000	---	40.99	54.00	13.01	200.0	100.0	H	28.0	5
17664.375000	---	45.97	54.00	8.03	200.0	100.0	V	333.0	10
17707.500000	56.46	---	74.00	17.54	200.0	100.0	V	188.0	10

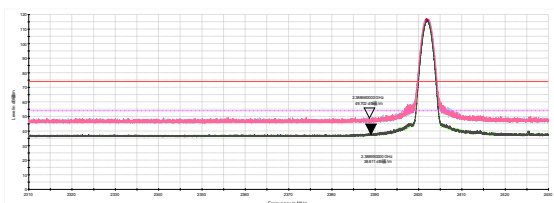
1.2. Bluetooth LE

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.

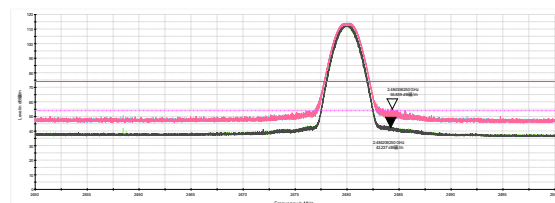
A symbol ($\text{dB}\mu\text{V/m}$) in the test plot below means ($\text{dB}\mu\text{V/m}$)

The signal beyond the limit is carrier.

After the pretest, Bluetooth LE was selected as the worst Mode for Bluetooth LE.



Bluetooth LE Channel 0 Peak+ Average



Bluetooth LE Channel 39 Peak+Average

Result of RE

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

Remark:

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

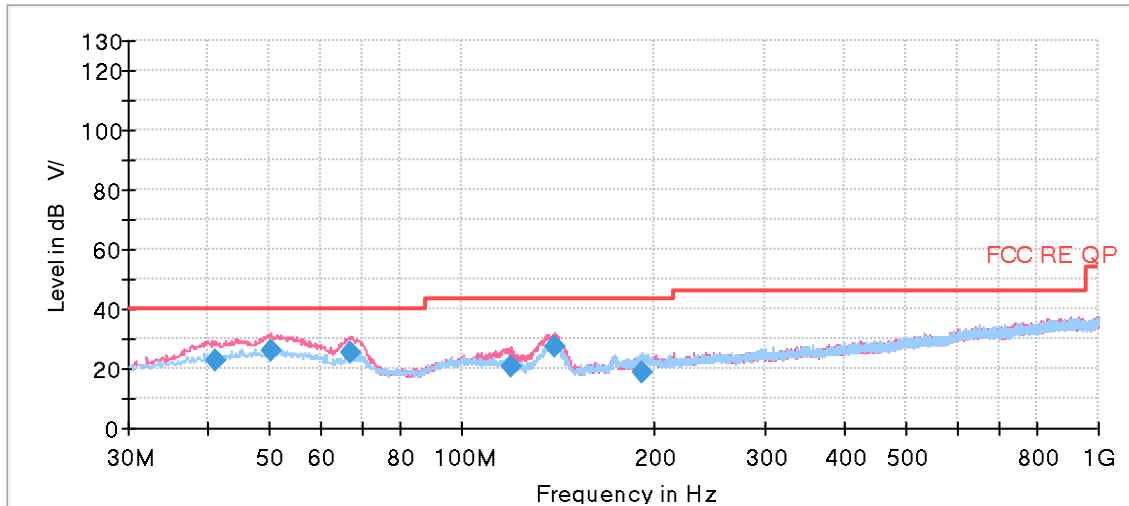
 QP Level @Spectrum Overview H
  QP Level @Spectrum Overview V
  QP Level @Final Results
  QP Limit

For above 1GHz

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

Continuous TX mode:

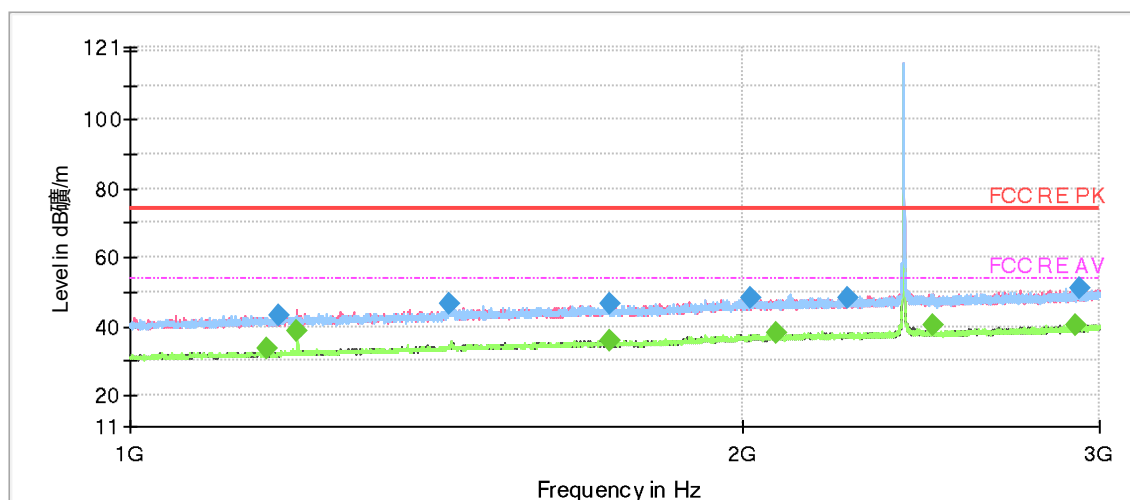
During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels. The test data of the worst-case condition (Bluetooth LE-Channel 39) was recorded in this report.



Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
41.276250	22.45	40.00	17.55	1000.0	100.0	V	320.0	19.6
50.127500	25.88	40.00	14.12	1000.0	100.0	V	0.0	21.2
66.860000	25.27	40.00	14.73	1000.0	100.0	V	42.0	17.6
119.603750	20.35	43.50	23.15	1000.0	100.0	V	150.0	17.3
139.852500	27.56	43.50	15.94	1000.0	100.0	V	195.0	15.6
192.717500	18.58	43.50	24.92	1000.0	100.0	H	237.0	18.8

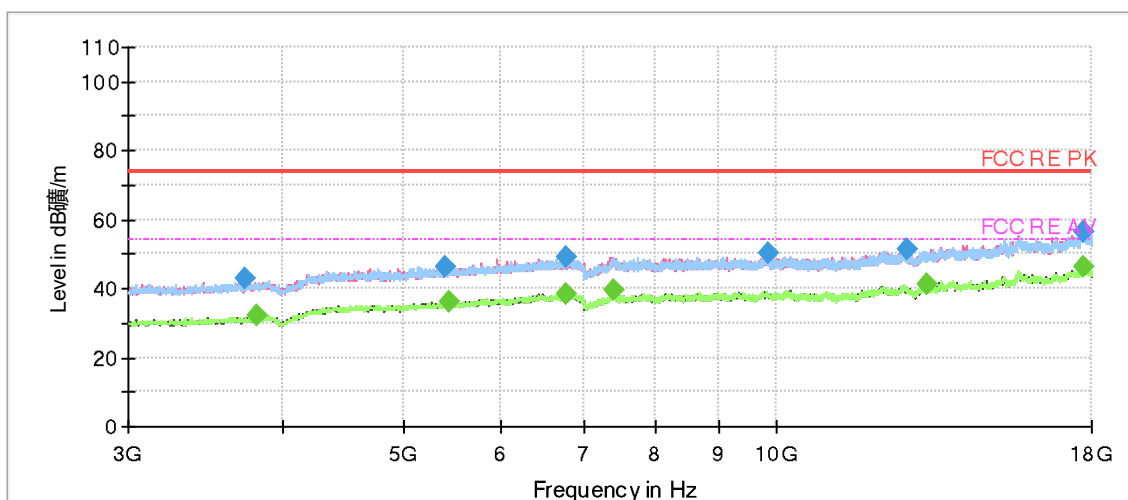
Bluetooth LE-Channel 0



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

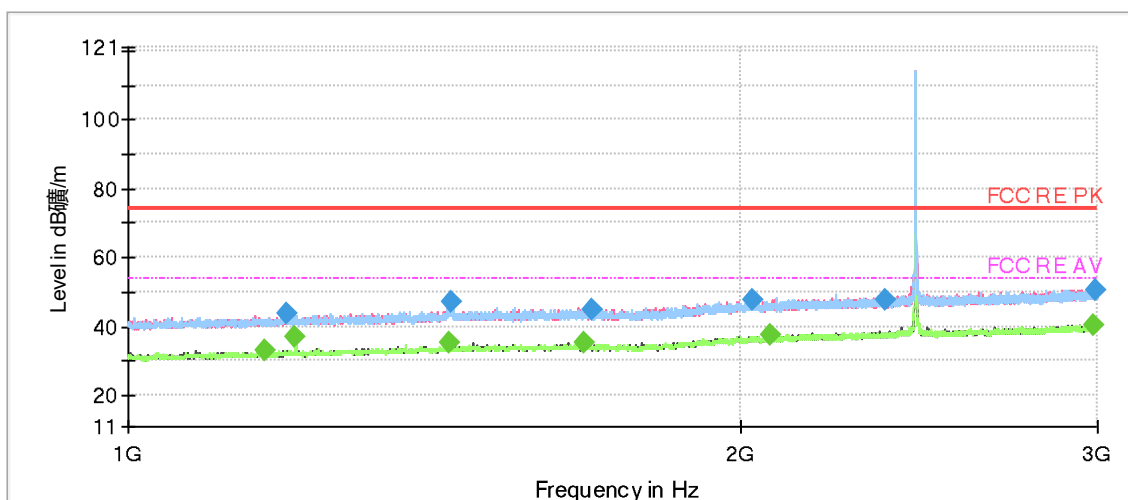
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1166.500000	---	33.29	54.00	20.71	200.0	100.0	V	190.0	-6
1183.000000	43.12	---	74.00	30.88	200.0	200.0	V	314.0	-6
1208.750000	---	38.59	54.00	15.41	200.0	100.0	V	40.0	-6
1436.250000	46.58	---	74.00	27.42	200.0	100.0	H	178.0	-4
1721.250000	---	36.03	54.00	17.97	200.0	200.0	V	203.0	-2
1724.250000	46.30	---	74.00	27.70	200.0	200.0	H	128.0	-2
2019.750000	48.43	---	74.00	25.57	200.0	100.0	H	336.0	0
2078.000000	---	37.84	54.00	16.16	200.0	200.0	H	0.0	0
2256.250000	48.26	---	74.00	25.74	200.0	200.0	H	18.0	1
2481.750000	---	40.24	54.00	13.76	200.0	100.0	V	79.0	1
2923.250000	---	40.39	54.00	13.61	200.0	100.0	V	146.0	3
2931.000000	51.30	---	74.00	22.70	200.0	100.0	V	46.0	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)
3729.375000	42.71	---	74.00	31.29	200.0	100.0	H	10.0	-6
3810.000000	---	32.15	54.00	21.85	200.0	100.0	V	356.0	-5
5409.375000	46.48	---	74.00	27.52	200.0	200.0	H	313.0	0
5445.000000	---	36.15	54.00	17.85	200.0	100.0	V	268.0	0
6776.250000	---	38.41	54.00	15.59	200.0	200.0	V	19.0	1
6781.875000	49.03	---	74.00	24.97	200.0	200.0	H	71.0	1
7393.125000	---	39.21	54.00	14.79	200.0	100.0	H	289.0	2
9873.750000	50.33	---	74.00	23.67	200.0	100.0	H	227.0	3
12751.875000	51.13	---	74.00	22.87	200.0	100.0	V	274.0	5
13252.500000	---	40.97	54.00	13.03	200.0	100.0	V	359.0	5
17707.500000	56.17	---	74.00	17.83	200.0	100.0	V	331.0	10
17731.875000	---	46.36	54.00	7.64	200.0	100.0	H	29.0	10

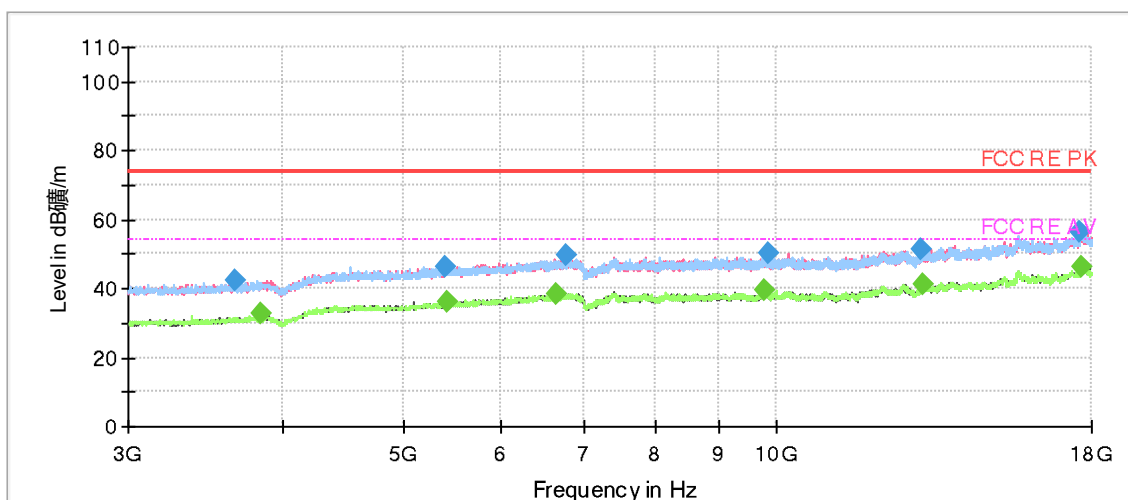
Bluetooth LE-Channel 19



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

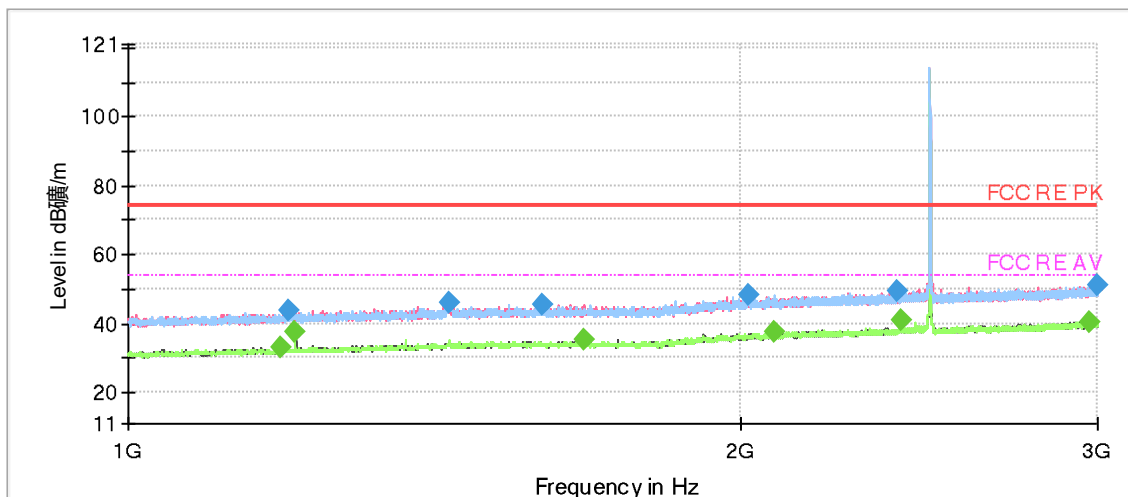
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1168.750000	---	32.96	54.00	21.04	200.0	100.0	V	191.0	-6
1197.250000	43.76	---	74.00	30.24	200.0	100.0	V	52.0	-6
1208.250000	---	37.16	54.00	16.84	200.0	100.0	V	251.0	-6
1440.000000	---	35.40	54.00	18.60	200.0	100.0	V	0.0	-4
1441.000000	46.92	---	74.00	27.08	200.0	200.0	H	1.0	-4
1678.000000	---	35.12	54.00	18.88	200.0	100.0	H	345.0	-2
1693.250000	44.62	---	74.00	29.38	200.0	100.0	V	46.0	-2
2029.000000	47.78	---	74.00	26.22	200.0	100.0	H	278.0	0
2070.000000	---	37.57	54.00	16.43	200.0	200.0	H	231.0	0
2361.000000	47.92	---	74.00	26.08	200.0	200.0	H	175.0	1
2988.500000	---	40.60	54.00	13.40	200.0	200.0	H	186.0	3
2992.000000	50.67	---	74.00	23.33	200.0	100.0	H	301.0	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)
3660.000000	42.15	---	74.00	31.85	200.0	100.0	V	339.0	-6
3838.125000	---	32.44	54.00	21.56	200.0	200.0	H	327.0	-5
5407.500000	46.38	---	74.00	27.62	200.0	100.0	V	173.0	0
5422.500000	---	36.16	54.00	17.84	200.0	100.0	V	25.0	0
6663.750000	---	38.62	54.00	15.38	200.0	100.0	H	92.0	1
6772.500000	49.68	---	74.00	24.32	200.0	200.0	H	182.0	1
9808.125000	---	39.37	54.00	14.63	200.0	200.0	H	352.0	3
9879.375000	50.17	---	74.00	23.83	200.0	200.0	H	63.0	3
13087.500000	51.54	---	74.00	22.46	200.0	200.0	V	358.0	5
13145.625000	---	41.05	54.00	12.95	200.0	100.0	H	245.0	5
17621.250000	56.31	---	74.00	17.69	200.0	100.0	H	213.0	10
17653.125000	---	46.53	54.00	7.47	200.0	200.0	V	155.0	10

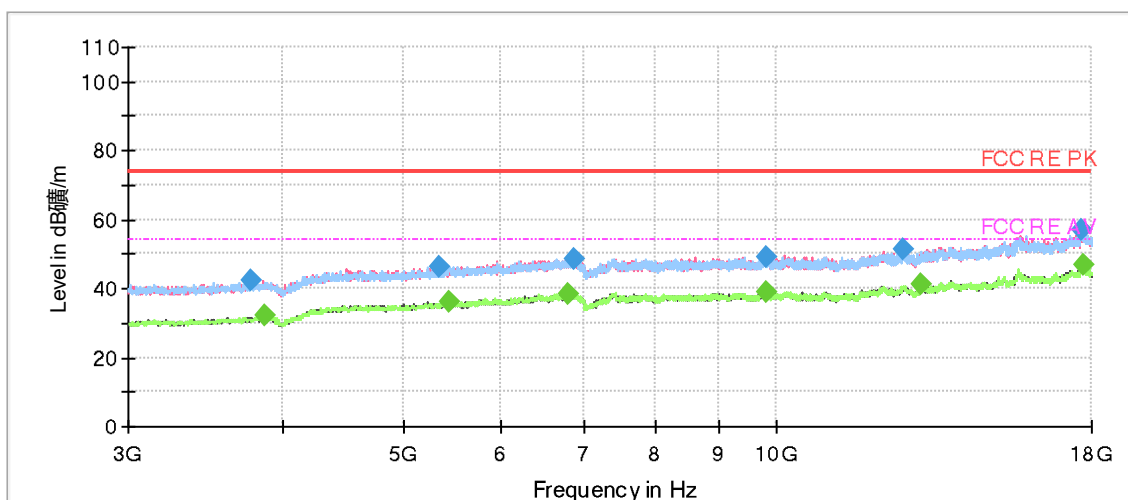
Bluetooth LE-Channel 39



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)
1189.000000	---	33.28	54.00	20.72	200.0	200.0	H	160.0	-6
1200.500000	43.54	---	74.00	30.46	200.0	200.0	V	176.0	-6
1208.500000	---	37.36	54.00	16.64	200.0	100.0	H	320.0	-6
1439.500000	46.17	---	74.00	27.83	200.0	100.0	H	5.0	-4
1600.250000	45.52	---	74.00	28.48	200.0	100.0	H	287.0	-3
1677.000000	---	35.22	54.00	18.78	200.0	100.0	V	170.0	-2
2022.000000	48.05	---	74.00	25.95	200.0	200.0	V	56.0	0
2079.000000	---	37.26	54.00	16.74	200.0	100.0	H	259.0	0
2392.250000	49.12	---	74.00	24.88	200.0	200.0	H	232.0	1
2403.750000	---	40.94	54.00	13.06	200.0	200.0	V	51.0	1
2973.500000	---	40.43	54.00	13.57	200.0	200.0	V	264.0	3
2998.250000	50.89	---	74.00	23.11	200.0	100.0	V	1.0	3



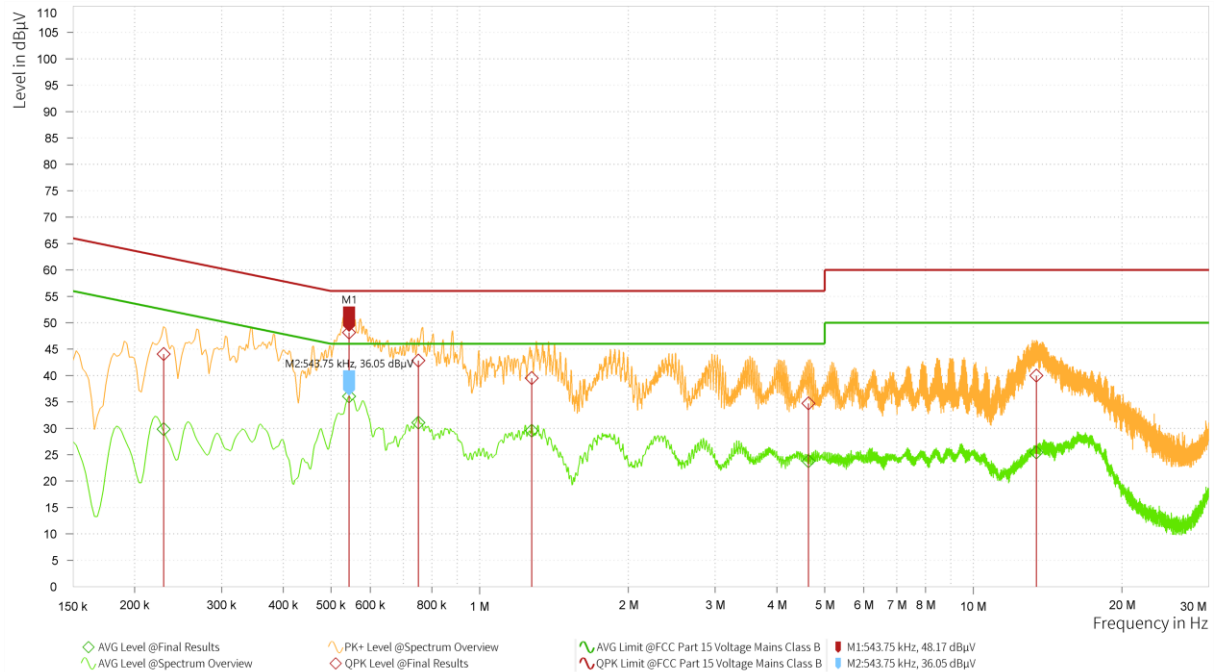
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3776.250000	42.14	---	74.00	31.86	200.0	200.0	H	352.0	-5
3873.750000	---	32.22	54.00	21.78	200.0	200.0	H	278.0	-5
5356.875000	46.28	---	74.00	27.72	200.0	200.0	H	290.0	-1
5443.125000	---	36.21	54.00	17.79	200.0	200.0	V	111.0	0
6810.000000	---	38.62	54.00	15.38	200.0	200.0	H	0.0	1
6877.500000	48.71	---	74.00	25.29	200.0	100.0	H	227.0	1
9830.625000	---	39.14	54.00	14.86	200.0	100.0	V	198.0	3
9832.500000	49.35	---	74.00	24.65	200.0	100.0	H	52.0	3
12673.125000	51.56	---	74.00	22.44	200.0	100.0	V	0.0	5
13110.000000	---	41.28	54.00	12.72	200.0	200.0	H	0.0	5
17701.875000	56.91	---	74.00	17.09	200.0	200.0	V	35.0	10
17737.500000	---	46.60	54.00	7.40	200.0	200.0	V	48.0	10

2. Conducted Emission

2.1. Wi-Fi 2.4GHz

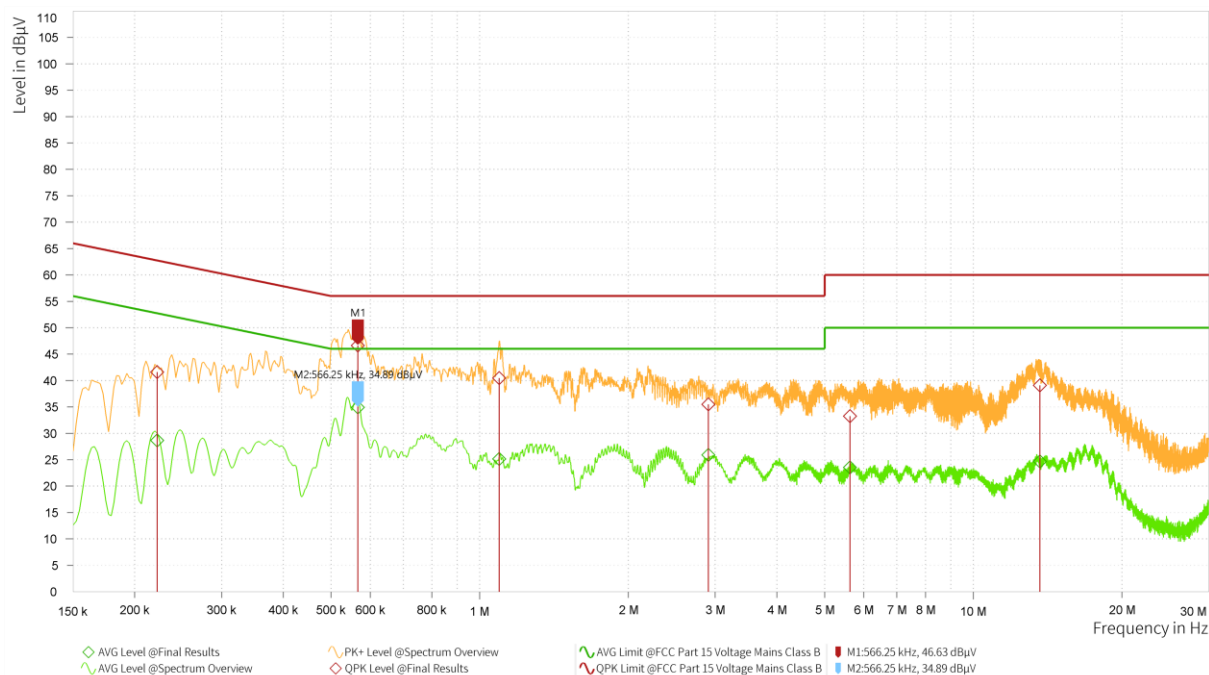
During the test, the Conducted Emission was performed in all modes with all channel. The test data of the worst-case condition (802.11b CH1) was recorded in this report.



Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.229	44.05	62.49	18.45	29.84	52.49	22.66	21.00	L1	9.000	1.000
0.544	48.17	56.00	7.83	36.05	46.00	9.95	20.73	L1	9.000	1.000
0.751	42.85	56.00	13.15	31.06	46.00	14.94	20.37	L1	9.000	1.000
1.275	39.53	56.00	16.47	29.55	46.00	16.45	19.97	L1	9.000	1.000
4.637	34.71	56.00	21.29	23.76	46.00	22.24	19.41	L1	9.000	1.000
13.421	40.01	60.00	19.99	25.42	50.00	24.58	19.46	L1	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

L line Conducted Emission from 150 kHz to 30 MHz



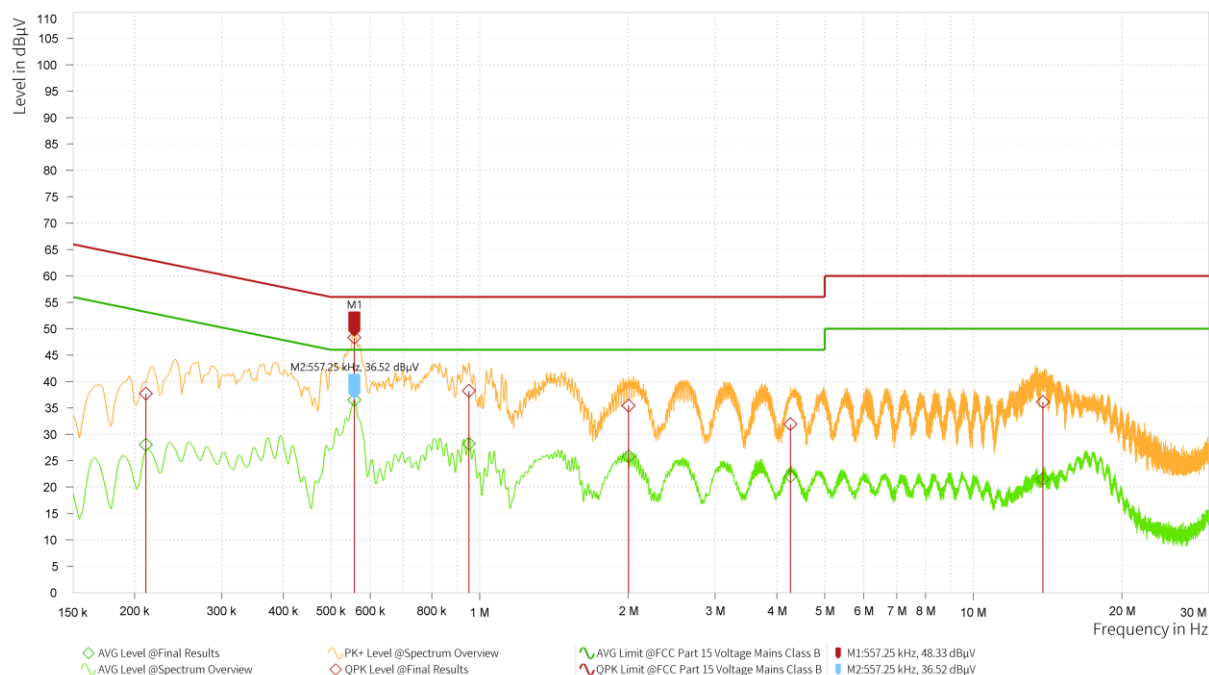
Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.222	41.60	62.74	21.15	28.64	52.74	24.11	21.01	N	9.000	1.000
0.566	46.63	56.00	9.37	34.89	46.00	11.11	20.72	N	9.000	1.000
1.095	40.45	56.00	15.55	25.15	46.00	20.85	20.10	N	9.000	1.000
2.906	35.48	56.00	20.52	25.91	46.00	20.09	19.50	N	9.000	1.000
5.629	33.25	60.00	26.75	23.52	50.00	26.48	19.41	N	9.000	1.000
13.639	39.11	60.00	20.89	24.67	50.00	25.33	19.49	N	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 kHz to 30 MHz

2.2. Bluetooth LE

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



Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.211	37.71	63.18	25.46	28.02	53.18	25.15	21.01	L1	9.000	1.000
0.557	48.33	56.00	7.67	36.52	46.00	9.48	20.72	L1	9.000	1.000
0.951	38.25	56.00	17.75	28.22	46.00	17.78	20.20	L1	9.000	1.000
2.002	35.43	56.00	20.57	25.79	46.00	20.21	19.65	L1	9.000	1.000
4.261	31.91	56.00	24.09	22.04	46.00	23.96	19.42	L1	9.000	1.000
13.844	36.15	60.00	23.85	21.61	50.00	28.39	19.47	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]
0.209	37.67	63.26	25.59	26.98	53.26	26.29	21.02	N	9.000	1.000
0.546	47.42	56.00	8.58	36.46	46.00	9.54	20.74	N	9.000	1.000
1.061	38.82	56.00	17.18	25.17	46.00	20.83	20.12	N	9.000	1.000
3.210	33.28	56.00	22.72	23.92	46.00	22.08	19.48	N	9.000	1.000
6.243	30.78	60.00	29.22	20.23	50.00	29.77	19.41	N	9.000	1.000
13.810	34.62	60.00	25.38	20.39	50.00	29.61	19.50	N	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 kHz to 30 MHz