

ANNEX A: Test Result

The radiated emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in lie-down position (Z axis) and the loop

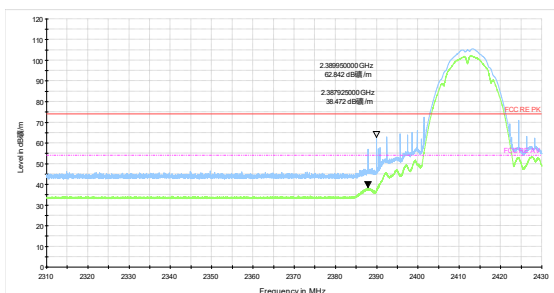
1. Unwanted Emission

1.1. Wi-Fi 2.4GHz

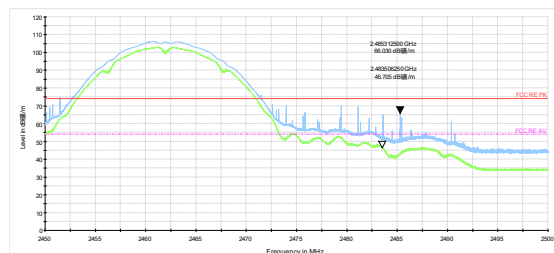
The following graphs display the maximum values of horizontal and vertical by software. Blue trace uses the peak detection, Green trace uses the average detection.

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

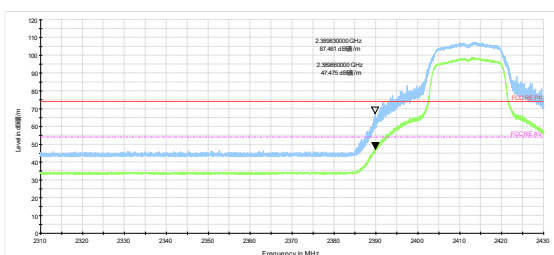
The signal beyond the limit is carrier.



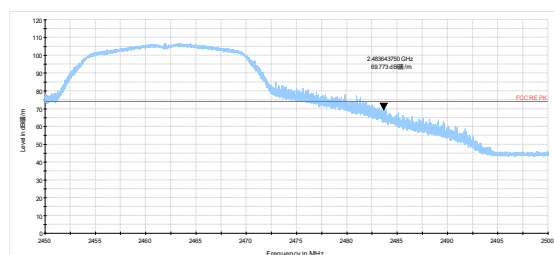
802.11b-Channel 1 Peak+ Average



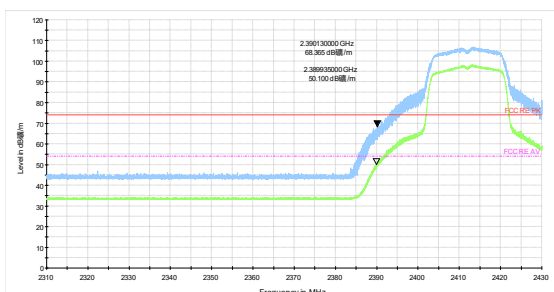
802.11b-Channel 11 Peak+ Average



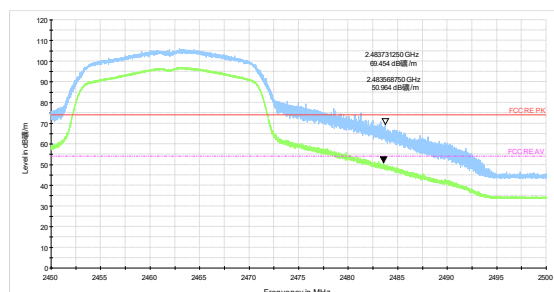
802.11g-Channel 1 Peak+ Average



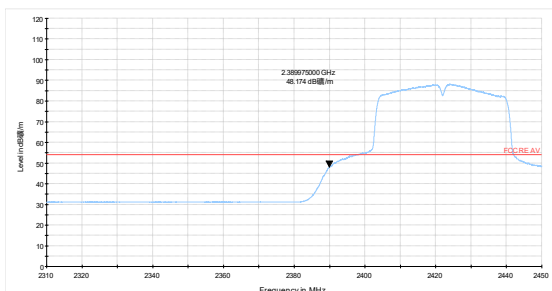
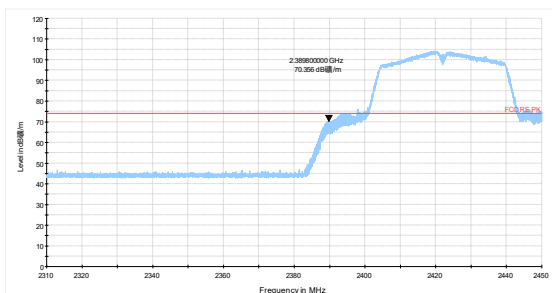
802.11g-Channel 11 Peak+ Average



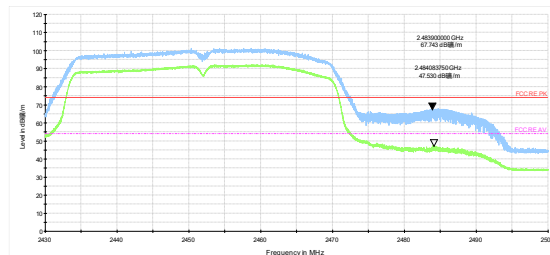
802.11n HT20-Channel 1 Peak+ Average



802.11n HT20-Channel 11 Peak+ Average



802.11n HT40-Channel 3 Peak+ Average



802.11n HT40-Channel 9 Peak+ Average

Result of RE

Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier.
The Radiates Emission from 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 (dB $\mu\text{V/m}$)**
4. **The following graphs display the maximum values of horizontal and vertical by software.**
5. **For below 1GHz**

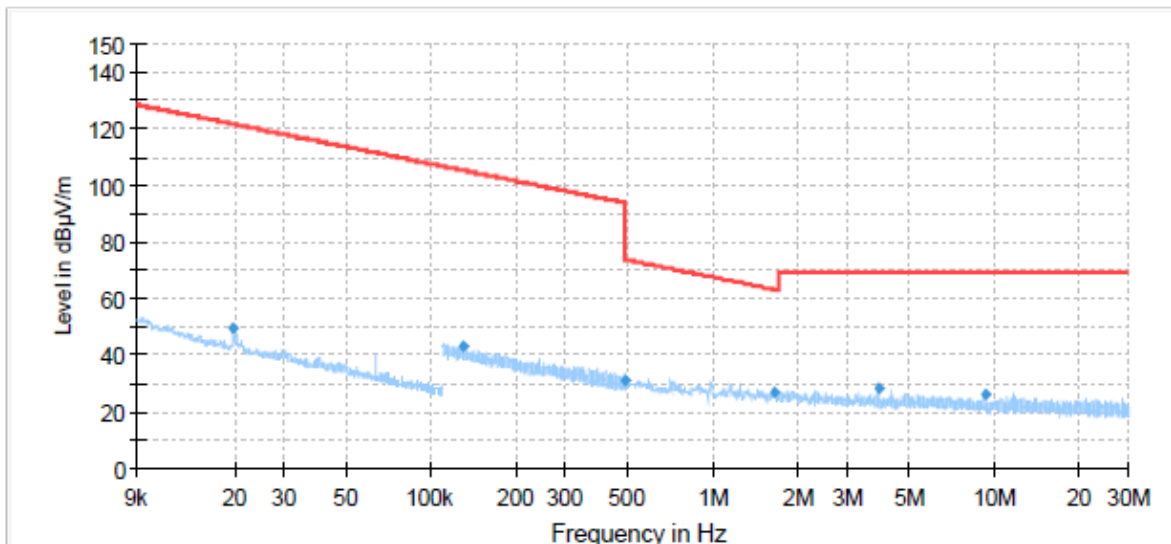
 QP Level @Spectrum Overview H
  QP Level @Spectrum Overview V
  QP Level @Final Results
  QP Limit

For above 1GHz

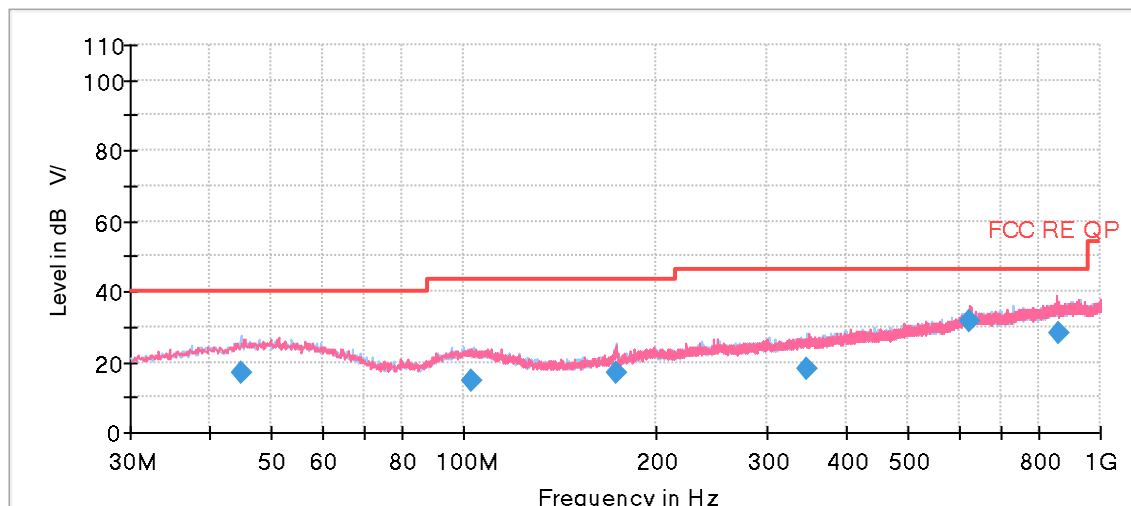
 PK Level @Spectrum Overview H
  PK Level @Spectrum Overview V
  PK Level @Final Results
  PK Limit
 AVG Level @Spectrum Overview H
  AVG Level @Spectrum Overview V
  AVG Level @Final Results
  AVG Limit

Continuous TX mode:

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



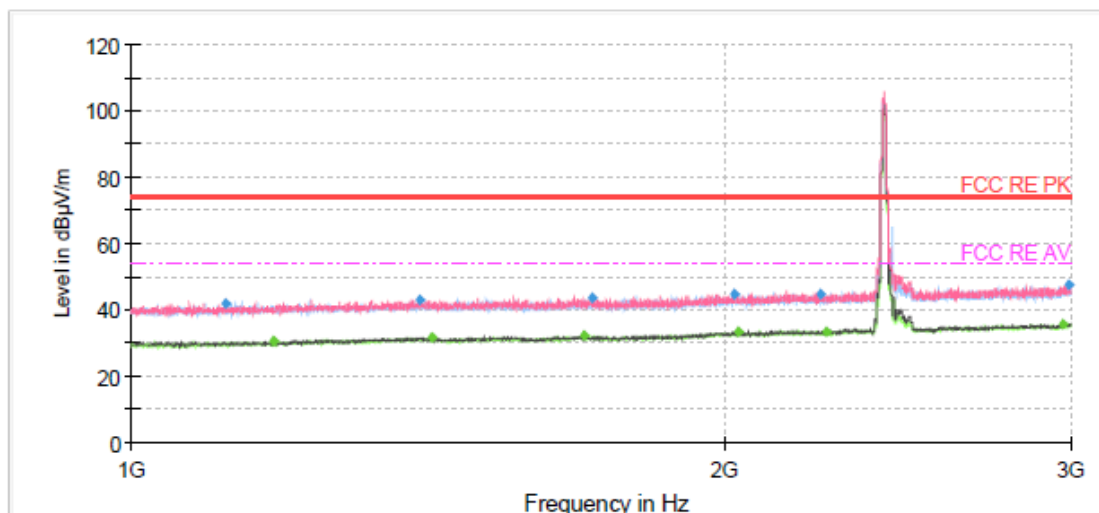
Radiates Emission from 9kHz to 30MHz



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)
44.951250	17.02	40.00	22.98	223.0	H	66.0	21.0
103.117500	14.78	43.50	28.72	222.0	H	0.0	19.2
174.001250	16.88	43.50	26.62	222.0	H	206.0	20.2
345.413750	17.99	46.00	28.01	122.0	H	183.0	22.5
625.135000	31.64	46.00	14.36	197.0	V	38.0	27.7
857.363750	28.01	46.00	17.99	110.0	V	141.0	30.8

802.11b CH1

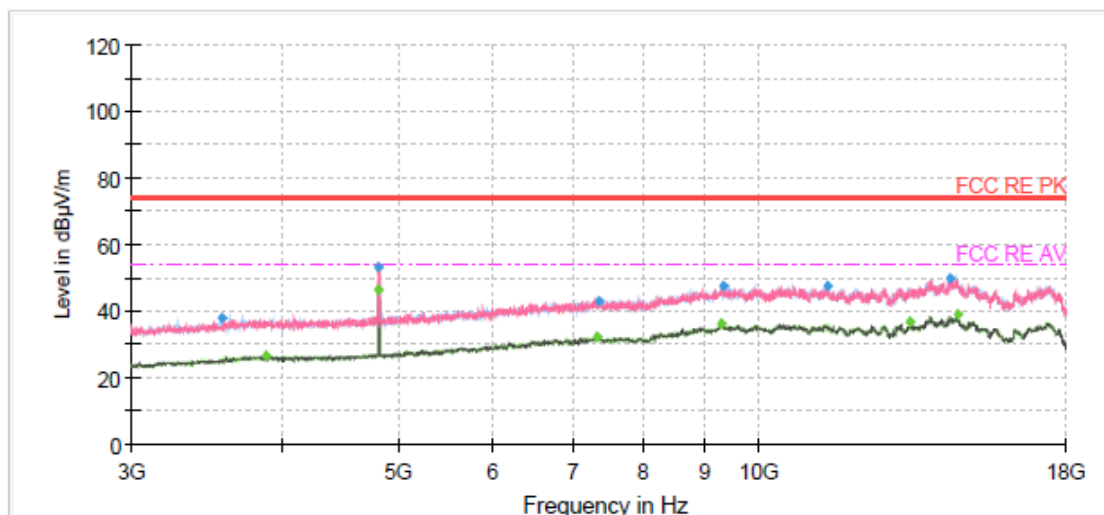


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1117.25	42.15	---	74.00	31.85	500.00	100.0	H	359.00	-7
1182.25	---	30.65	54.00	23.35	500.00	100.0	H	0.00	-6
1400.25	42.90	---	74.00	31.10	500.00	100.0	V	0.00	-4
1422.50	---	31.73	54.00	22.27	500.00	100.0	V	136.00	-5
1697.00	---	32.05	54.00	21.95	500.00	200.0	V	320.00	-3
1714.50	43.80	---	74.00	30.20	500.00	200.0	V	0.00	-3
2024.75	44.58	---	74.00	29.42	500.00	200.0	V	280.00	-2
2031.75	---	33.35	54.00	20.65	500.00	100.0	V	40.00	-2
2237.50	44.45	---	74.00	29.55	500.00	100.0	V	0.00	-1
2254.75	---	33.39	54.00	20.61	500.00	100.0	H	0.00	-1
2971.25	---	35.91	54.00	18.09	500.00	100.0	V	10.00	1
2991.75	47.40	---	74.00	26.60	500.00	100.0	V	219.00	1

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

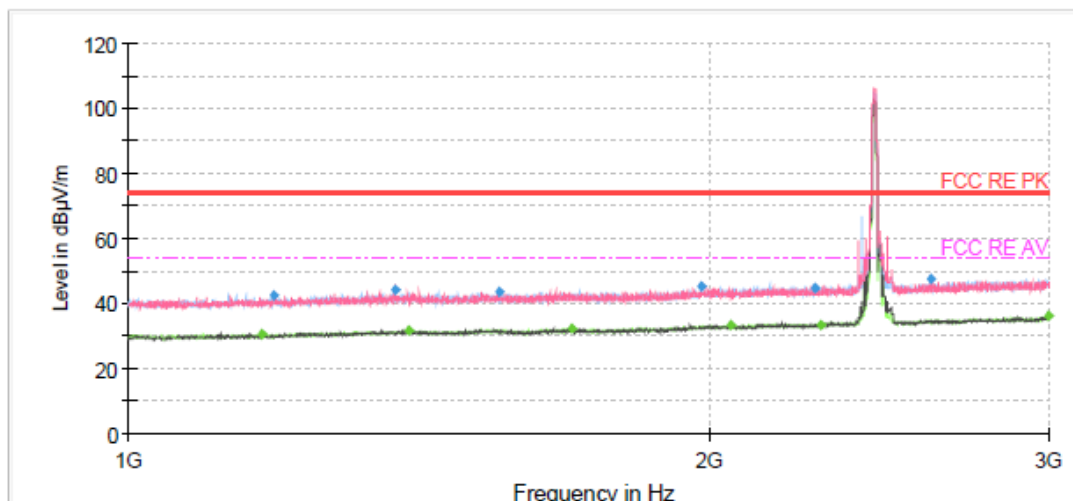


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3562.50	37.92	---	74.00	36.08	500.00	200.0	H	0.00	-8
3875.63	---	26.68	54.00	27.32	500.00	200.0	H	357.00	-7
4822.50	---	46.25	54.00	7.75	500.00	200.0	V	81.00	-4
4822.50	53.23	---	74.00	20.77	500.00	200.0	V	81.00	-4
7333.13	---	32.34	54.00	21.66	500.00	100.0	H	125.00	0
7340.63	43.14	---	74.00	30.86	500.00	100.0	H	102.00	0
9307.50	---	35.96	54.00	18.04	500.00	100.0	H	68.00	5
9311.25	47.60	---	74.00	26.40	500.00	100.0	H	160.00	5
11390.63	47.76	---	74.00	26.24	500.00	100.0	H	2.00	6
13335.00	---	36.68	54.00	17.32	500.00	200.0	V	231.00	7
14401.88	50.04	---	74.00	23.96	500.00	200.0	H	162.00	9
14606.25	---	39.03	54.00	14.97	500.00	200.0	V	0.00	9

Radiates Emission from 3GHz to 18GHz

802.11b CH6

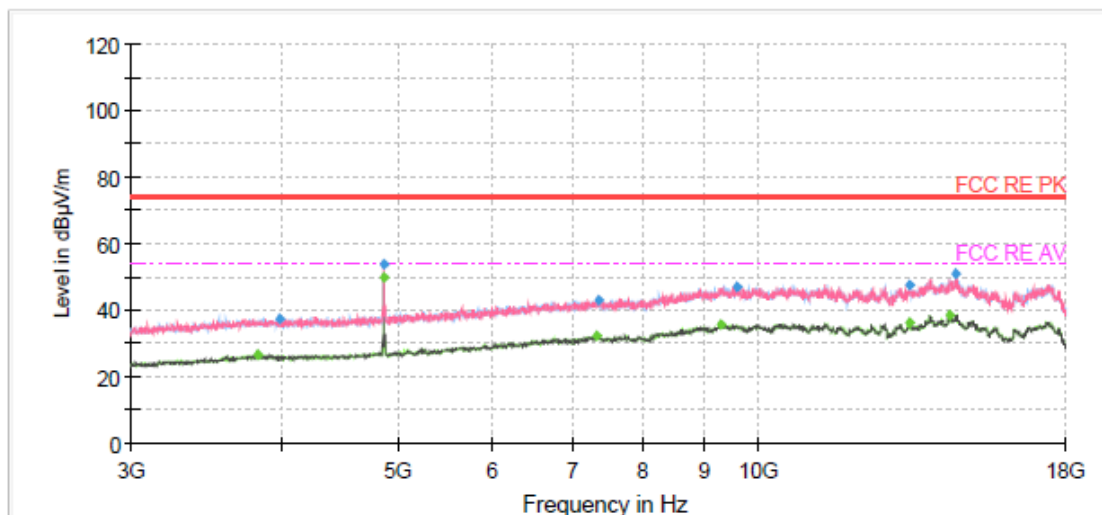


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1173.50	---	30.57	54.00	23.43	500.00	200.0	V	356.00	-6
1189.50	42.51	---	74.00	31.49	500.00	100.0	V	14.00	-6
1373.75	43.95	---	74.00	30.05	500.00	200.0	V	0.00	-5
1396.50	---	31.74	54.00	22.26	500.00	100.0	V	263.00	-4
1558.50	43.73	---	74.00	30.27	500.00	200.0	H	0.00	-4
1697.00	---	32.20	54.00	21.80	500.00	200.0	H	189.00	-3
1982.00	45.09	---	74.00	28.91	500.00	100.0	V	180.00	-2
2052.00	---	33.38	54.00	20.62	500.00	100.0	H	230.00	-2
2272.75	44.52	---	74.00	29.48	500.00	100.0	V	41.00	-1
2285.00	---	33.19	54.00	20.81	500.00	200.0	H	16.00	-1
2604.75	47.49	---	74.00	26.51	500.00	100.0	H	354.00	0
2999.50	---	36.02	54.00	17.98	500.00	100.0	V	98.00	1

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

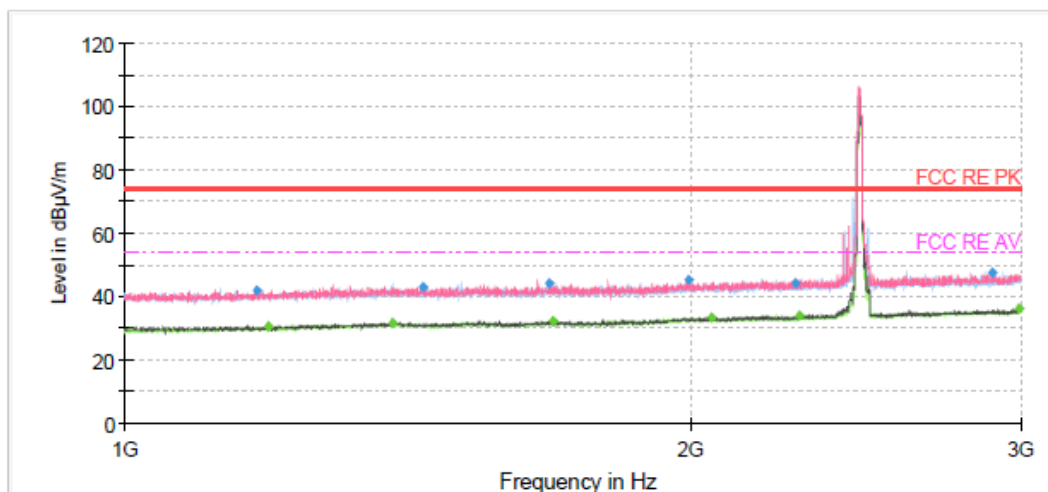


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3826.88	---	26.70	54.00	27.30	500.00	200.0	H	354.00	-7
3993.75	37.62	---	74.00	36.38	500.00	100.0	V	273.00	-7
4873.13	---	49.88	54.00	4.12	500.00	200.0	V	124.00	-4
4873.13	53.99	---	74.00	20.01	500.00	200.0	V	124.00	-4
7314.38	---	32.25	54.00	21.75	500.00	100.0	H	163.00	0
7342.50	43.21	---	74.00	30.79	500.00	100.0	H	117.00	0
9298.13	---	35.92	54.00	18.08	500.00	200.0	H	354.00	5
9596.25	47.01	---	74.00	26.99	500.00	200.0	V	55.00	5
13340.63	---	36.46	54.00	17.54	500.00	200.0	V	3.00	7
13351.88	47.83	---	74.00	26.17	500.00	200.0	V	0.00	7
14400.00	---	38.67	54.00	15.33	500.00	200.0	V	100.00	9
14593.13	50.79	---	74.00	23.21	500.00	100.0	V	140.00	9

Radiates Emission from 3GHz to 18GHz

802.11b CH11

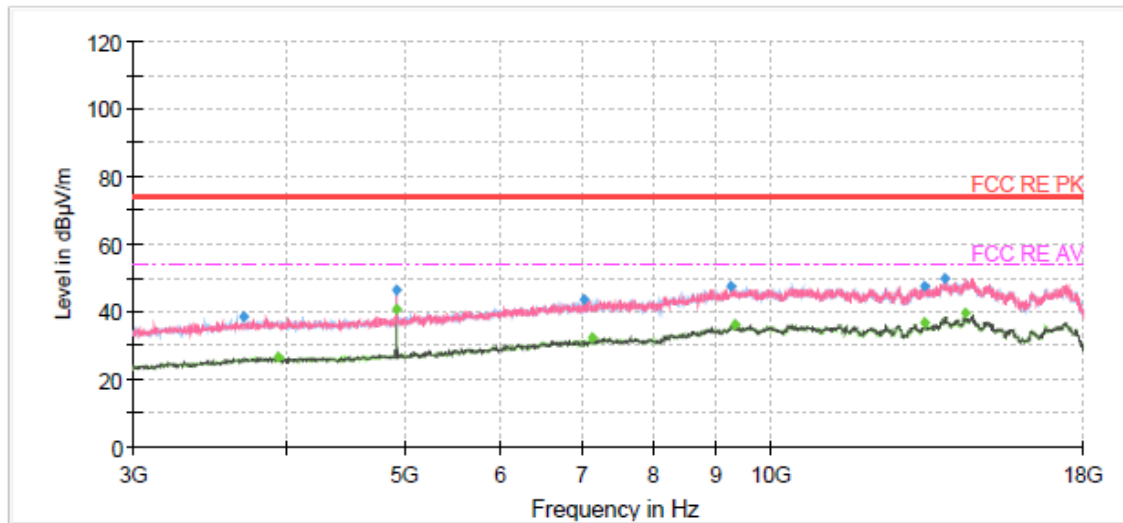


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1176.00	42.03	---	74.00	31.97	500.00	100.0	V	2.00	-6
1192.00	---	30.70	54.00	23.30	500.00	100.0	V	6.00	-6
1387.50	---	31.85	54.00	22.15	500.00	100.0	H	33.00	-4
1442.00	43.03	---	74.00	30.97	500.00	100.0	V	72.00	-5
1683.75	43.97	---	74.00	30.03	500.00	100.0	H	197.00	-3
1688.75	---	32.26	54.00	21.74	500.00	100.0	V	144.00	-3
1994.25	45.47	---	74.00	28.53	500.00	100.0	V	7.00	-2
2053.75	---	33.30	54.00	20.70	500.00	200.0	V	346.00	-2
2275.50	44.35	---	74.00	29.65	500.00	200.0	V	340.00	-1
2288.25	---	33.88	54.00	20.12	500.00	100.0	V	15.00	-1
2897.75	47.32	---	74.00	26.68	500.00	200.0	V	0.00	1
2991.00	---	36.01	54.00	17.99	500.00	200.0	V	350.00	1

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

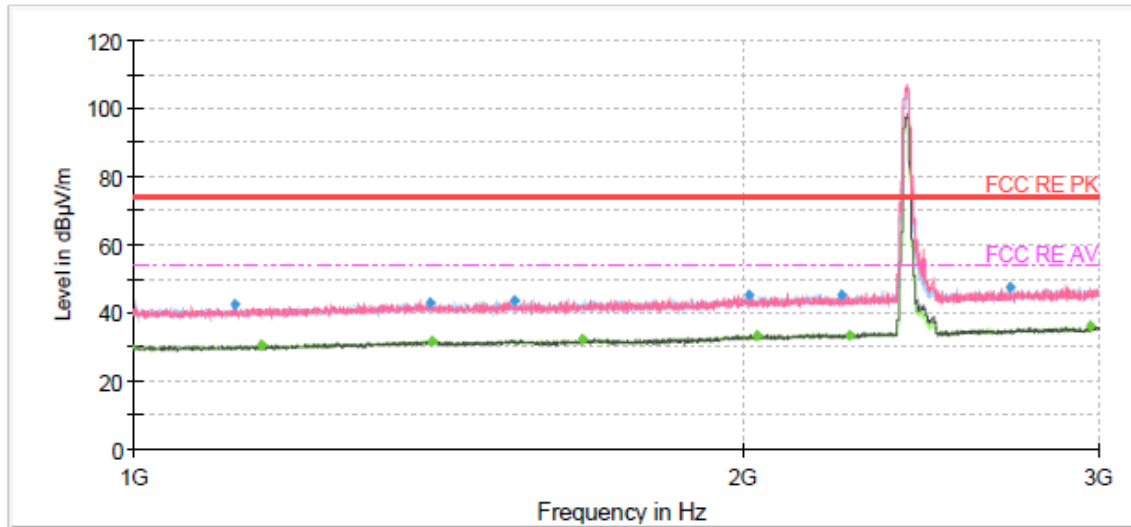


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3693.75	38.23	---	74.00	35.77	500.00	100.0	H	231.00	-7
3937.50	---	26.52	54.00	27.48	500.00	100.0	H	3.00	-7
4923.75	---	40.49	54.00	13.51	500.00	200.0	V	94.00	-4
4923.75	46.34	---	74.00	27.66	500.00	200.0	V	94.00	-4
7018.13	43.45	---	74.00	30.55	500.00	100.0	H	7.00	0
7134.38	---	32.06	54.00	21.94	500.00	100.0	H	0.00	0
9241.88	47.40	---	74.00	26.60	500.00	200.0	V	71.00	5
9311.25	---	36.09	54.00	17.91	500.00	100.0	V	357.00	5
13336.88	---	36.80	54.00	17.20	500.00	200.0	V	71.00	7
13348.13	47.63	---	74.00	26.37	500.00	100.0	V	0.00	7
13876.88	49.99	---	74.00	24.01	500.00	200.0	H	344.00	8
14401.88	---	39.37	54.00	14.63	500.00	200.0	V	48.00	9

Radiates Emission from 3GHz to 18GHz

802.11g CH1

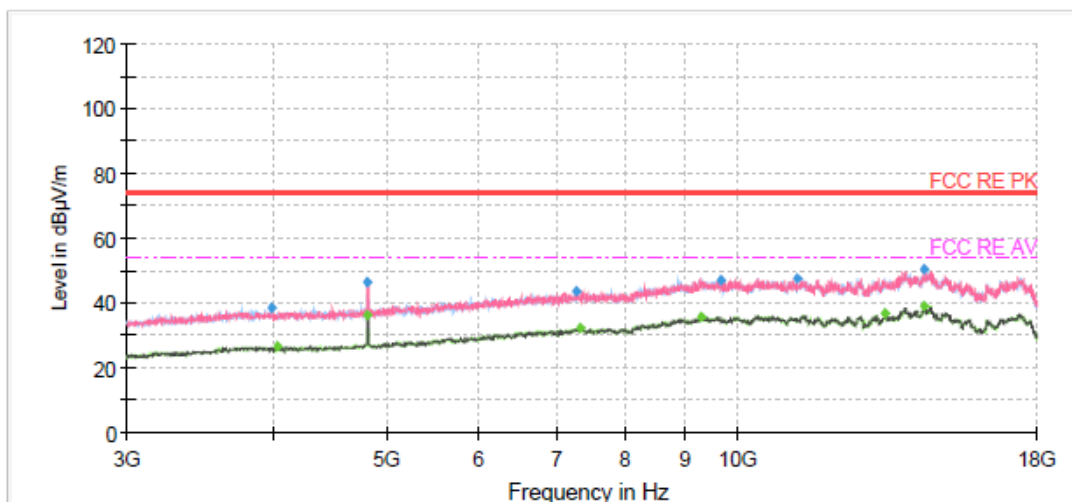


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1120.50	42.19	---	74.00	31.81	500.00	100.0	V	2.00	-6
1156.00	---	30.63	54.00	23.37	500.00	200.0	H	52.00	-6
1402.00	43.21	---	74.00	30.79	500.00	100.0	H	330.00	-4
1405.25	---	31.94	54.00	22.06	500.00	100.0	V	326.00	-4
1542.00	43.73	---	74.00	30.27	500.00	200.0	V	0.00	-4
1667.50	---	32.32	54.00	21.68	500.00	200.0	H	8.00	-4
2015.50	45.24	---	74.00	28.76	500.00	200.0	H	260.00	-2
2032.50	---	33.42	54.00	20.58	500.00	100.0	V	0.00	-2
2239.25	45.37	---	74.00	28.63	500.00	200.0	H	27.00	-1
2261.00	---	33.14	54.00	20.86	500.00	200.0	H	134.00	-1
2712.25	47.43	---	74.00	26.57	500.00	100.0	H	343.00	0
2971.75	---	35.96	54.00	18.04	500.00	100.0	H	208.00	1

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

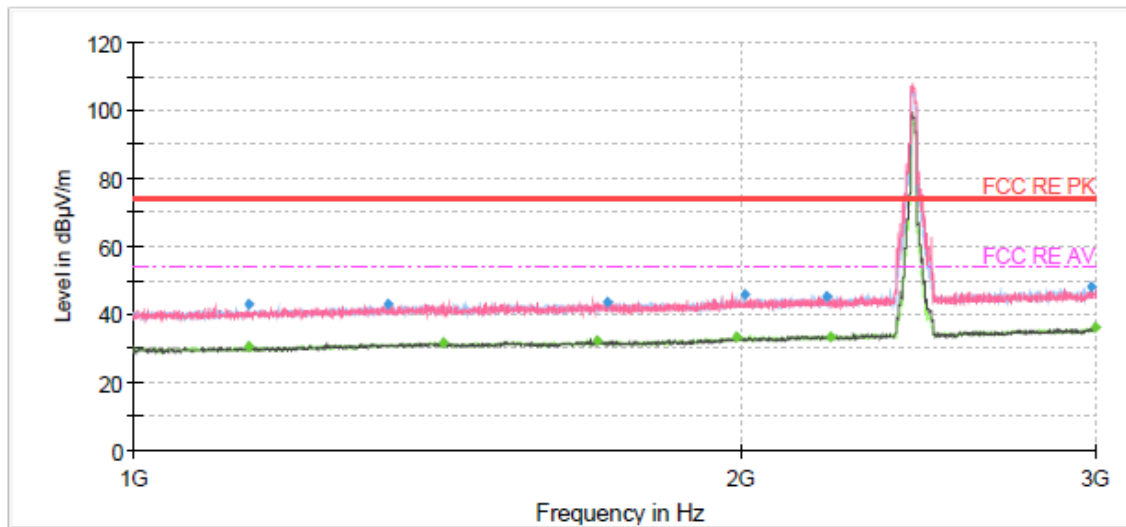


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3990.00	38.30	---	74.00	35.70	500.00	200.0	H	297.00	-7
4035.00	---	26.57	54.00	27.43	500.00	100.0	H	3.00	-6
4820.63	---	36.20	54.00	17.80	500.00	200.0	V	95.00	-4
4822.50	46.15	---	74.00	27.85	500.00	200.0	V	5.00	-4
7258.13	43.73	---	74.00	30.27	500.00	200.0	V	1.00	0
7318.13	---	32.02	54.00	21.98	500.00	200.0	V	220.00	0
9290.63	---	35.92	54.00	18.08	500.00	100.0	H	3.00	5
9660.00	46.85	---	74.00	27.15	500.00	100.0	V	344.00	5
11205.00	47.69	---	74.00	26.31	500.00	200.0	V	163.00	6
13336.88	---	36.55	54.00	17.45	500.00	100.0	V	0.00	7
14400.00	50.21	---	74.00	23.79	500.00	200.0	H	342.00	9
14407.50	---	39.06	54.00	14.94	500.00	200.0	V	140.00	9

Radiates Emission from 3GHz to 18GHz

802.11g CH6

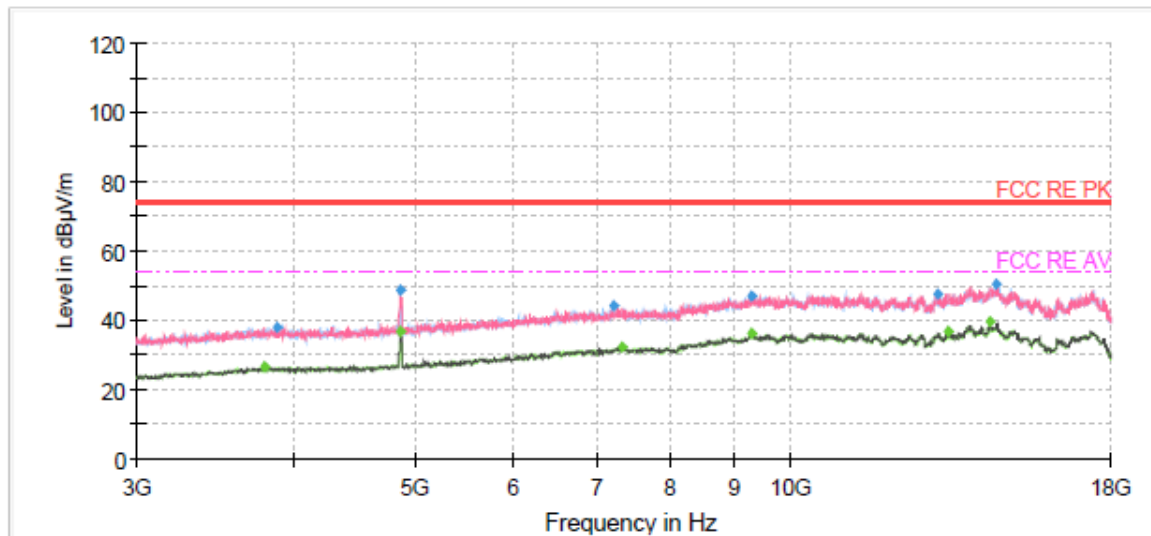


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1139.75	---	30.57	54.00	23.43	500.00	200.0	V	349.00	-6
1140.75	43.10	---	74.00	30.90	500.00	200.0	H	23.00	-6
1335.50	43.18	---	74.00	30.82	500.00	100.0	V	14.00	-5
1426.00	---	31.94	54.00	22.06	500.00	100.0	V	326.00	-5
1696.25	---	32.25	54.00	21.75	500.00	100.0	H	359.00	-3
1716.00	43.66	---	74.00	30.34	500.00	100.0	H	332.00	-3
1991.00	---	33.48	54.00	20.52	500.00	200.0	H	149.00	-2
2011.50	45.60	---	74.00	28.40	500.00	100.0	H	23.00	-2
2206.50	45.46	---	74.00	28.54	500.00	200.0	H	243.00	-1
2219.00	---	33.21	54.00	20.79	500.00	200.0	H	2.00	-1
2984.75	48.15	---	74.00	25.85	500.00	200.0	V	318.00	1
2996.50	---	36.00	54.00	18.00	500.00	200.0	H	243.00	1

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

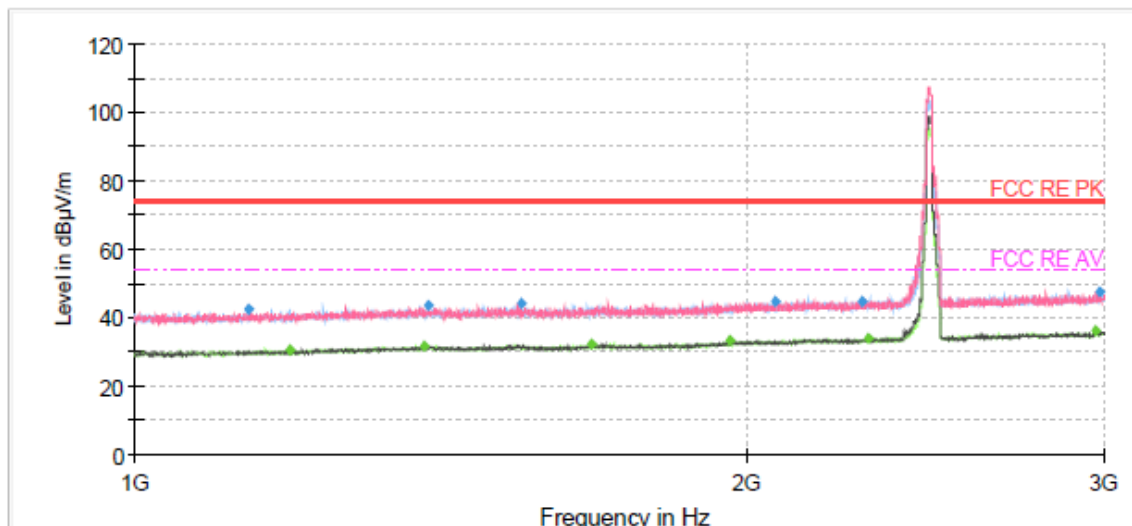


Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3798.75	---	26.65	54.00	27.35	500.00	100.0	V	173.00	-7
3879.38	38.14	---	74.00	35.86	500.00	200.0	H	336.00	-7
4875.00	48.70	---	74.00	25.30	500.00	200.0	V	118.00	-4
4876.88	---	36.76	54.00	17.24	500.00	200.0	V	48.00	-4
7196.25	44.16	---	74.00	29.84	500.00	200.0	H	336.00	0
7321.88	---	32.50	54.00	21.50	500.00	200.0	V	95.00	0
9303.75	46.92	---	74.00	27.08	500.00	200.0	V	0.00	5
9305.63	---	35.97	54.00	18.03	500.00	200.0	V	83.00	5
13093.13	47.80	---	74.00	26.20	500.00	100.0	H	302.00	7
13340.63	---	36.74	54.00	17.26	500.00	100.0	V	337.00	7
14401.88	---	39.41	54.00	14.59	500.00	200.0	V	301.00	9
14574.38	50.63	---	74.00	23.37	500.00	200.0	H	273.00	9

Radiates Emission from 3GHz to 18GHz

802.11g CH11

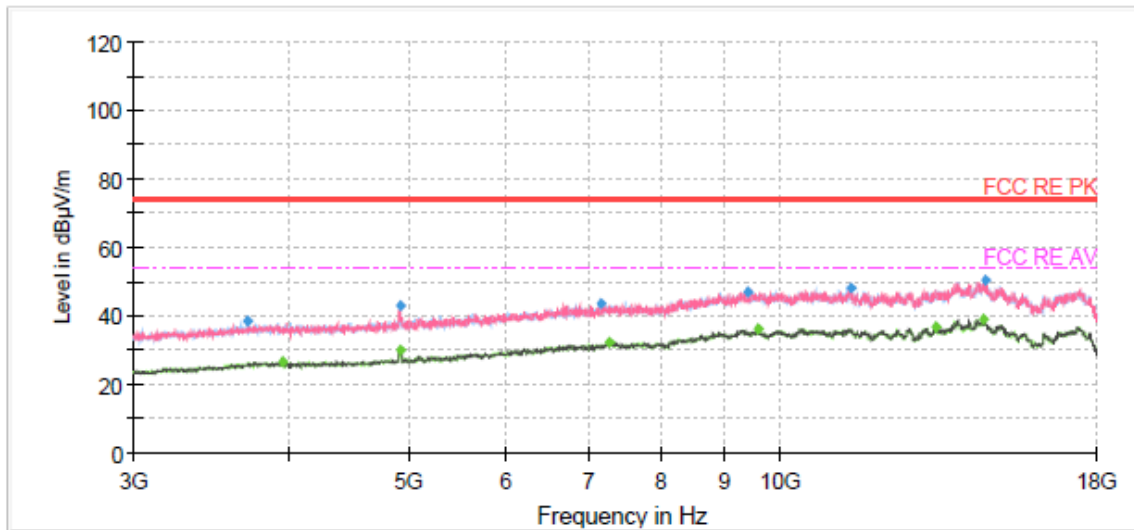


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1137.50	42.40	---	74.00	31.60	500.00	200.0	H	26.00	-6
1193.00	---	30.57	54.00	23.43	500.00	100.0	V	218.00	-6
1389.25	---	31.77	54.00	22.23	500.00	200.0	H	156.00	-4
1395.75	43.73	---	74.00	30.27	500.00	100.0	V	16.00	-4
1548.00	44.00	---	74.00	30.00	500.00	100.0	H	0.00	-4
1679.50	---	32.20	54.00	21.80	500.00	200.0	H	26.00	-4
1963.00	---	33.41	54.00	20.59	500.00	200.0	H	165.00	-2
2069.50	44.57	---	74.00	29.43	500.00	200.0	V	346.00	-2
2278.75	44.80	---	74.00	29.20	500.00	100.0	V	176.00	-1
2299.00	---	33.86	54.00	20.14	500.00	200.0	H	20.00	-1
2973.75	---	36.13	54.00	17.87	500.00	200.0	V	250.00	1
2988.50	47.45	---	74.00	26.55	500.00	100.0	H	250.00	1

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

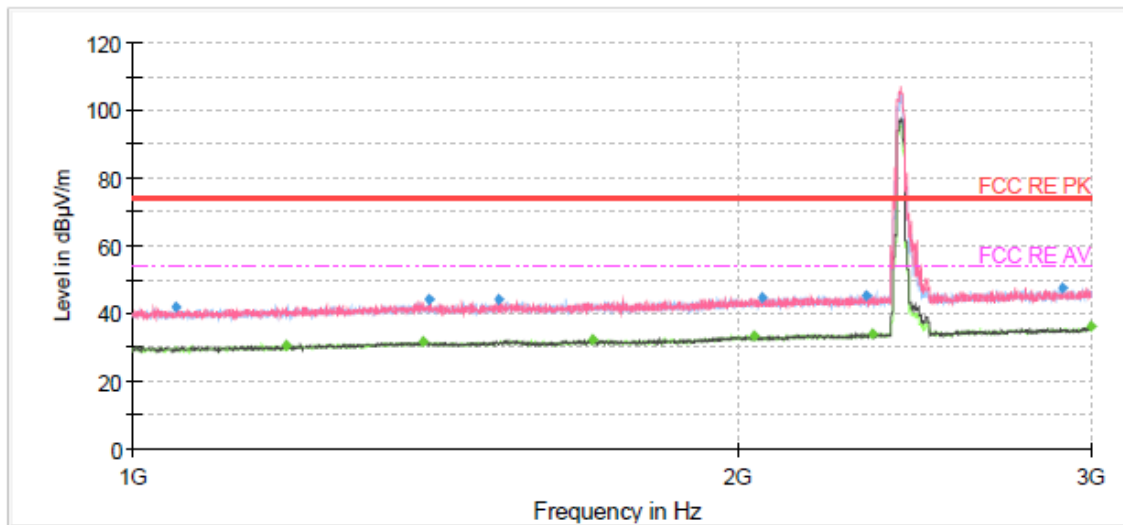


Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3708.75	38.34	---	74.00	35.66	500.00	200.0	H	209.00	-7
3954.38	---	26.55	54.00	27.45	500.00	100.0	H	20.00	-7
4920.00	43.25	---	74.00	30.75	500.00	200.0	V	92.00	-4
4929.38	---	30.10	54.00	23.90	500.00	200.0	V	57.00	-4
7153.13	43.36	---	74.00	30.64	500.00	100.0	V	69.00	0
7250.63	---	32.10	54.00	21.90	500.00	100.0	H	57.00	0
9397.50	47.09	---	74.00	26.91	500.00	100.0	V	358.00	5
9564.38	---	35.95	54.00	18.05	500.00	200.0	V	115.00	5
11375.63	47.93	---	74.00	26.07	500.00	100.0	V	197.00	6
13335.00	---	36.90	54.00	17.10	500.00	100.0	V	266.00	7
14583.75	---	39.27	54.00	14.73	500.00	200.0	V	46.00	9
14611.88	50.59	---	74.00	23.41	500.00	200.0	V	127.00	9

Radiates Emission from 3GHz to 18GHz

802.11n (HT20) CH1

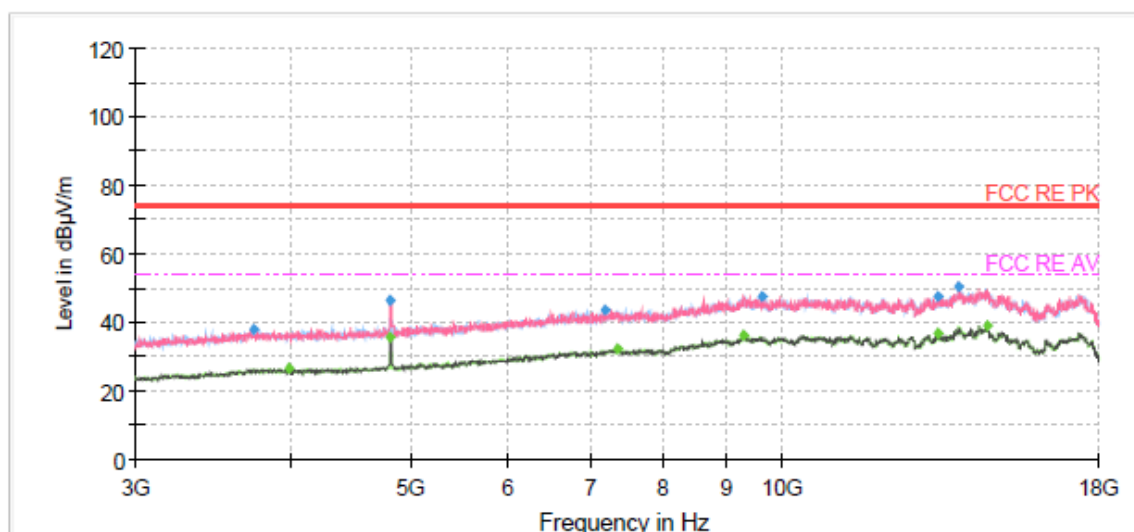


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1049.50	41.71	---	74.00	32.29	500.00	200.0	V	154.00	-7
1192.25	---	30.62	54.00	23.38	500.00	200.0	V	32.00	-6
1395.75	---	31.82	54.00	22.18	500.00	100.0	V	349.00	-4
1403.50	43.87	---	74.00	30.13	500.00	200.0	H	275.00	-4
1521.00	44.02	---	74.00	29.98	500.00	100.0	V	316.00	-4
1693.25	---	32.22	54.00	21.78	500.00	100.0	H	3.00	-3
2036.50	---	33.37	54.00	20.63	500.00	100.0	H	0.00	-2
2056.00	44.61	---	74.00	29.39	500.00	200.0	V	123.00	-2
2321.25	45.49	---	74.00	28.51	500.00	100.0	V	56.00	-1
2333.75	---	33.75	54.00	20.25	500.00	100.0	H	10.00	-1
2901.00	47.61	---	74.00	26.39	500.00	100.0	V	316.00	1
2997.25	---	35.96	54.00	18.04	500.00	100.0	V	213.00	1

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

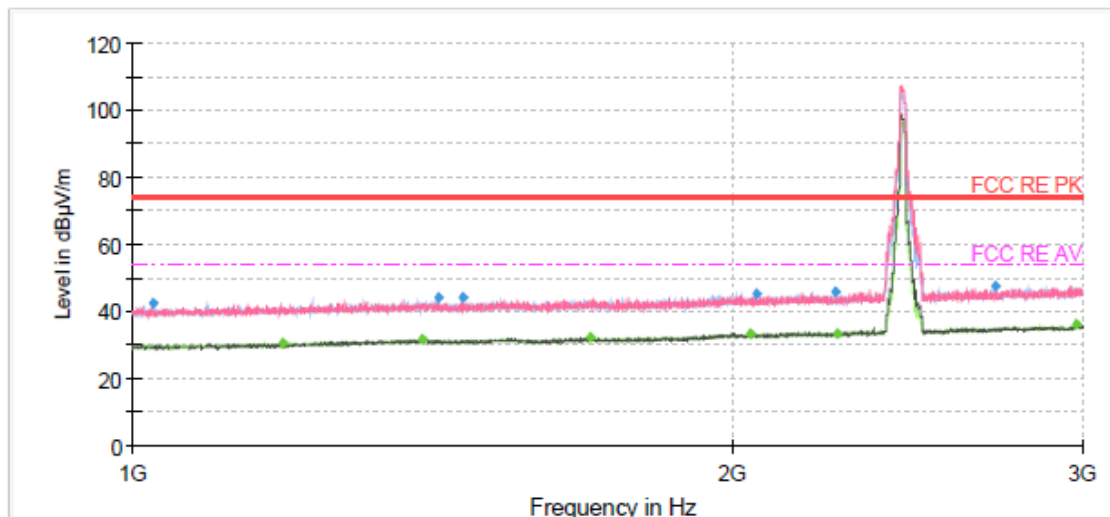


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3736.88	37.99	---	74.00	36.01	500.00	100.0	H	46.00	-7
3986.25	---	26.63	54.00	27.37	500.00	200.0	H	354.00	-7
4820.63	---	35.90	54.00	18.10	500.00	200.0	V	68.00	-4
4822.50	46.31	---	74.00	27.69	500.00	200.0	V	2.00	-4
7186.88	43.68	---	74.00	30.32	500.00	100.0	H	1.00	0
7336.88	---	32.37	54.00	21.63	500.00	200.0	V	14.00	0
9301.88	---	35.98	54.00	18.02	500.00	100.0	H	92.00	5
9622.50	47.65	---	74.00	26.35	500.00	100.0	H	7.00	5
13336.88	---	36.71	54.00	17.29	500.00	100.0	H	186.00	7
13346.25	47.73	---	74.00	26.27	500.00	100.0	V	357.00	7
13884.38	50.24	---	74.00	23.76	500.00	100.0	V	349.00	8
14604.38	---	39.33	54.00	14.67	500.00	100.0	V	345.00	9

Radiates Emission from 3GHz to 18GHz

802.11n (HT20) CH6

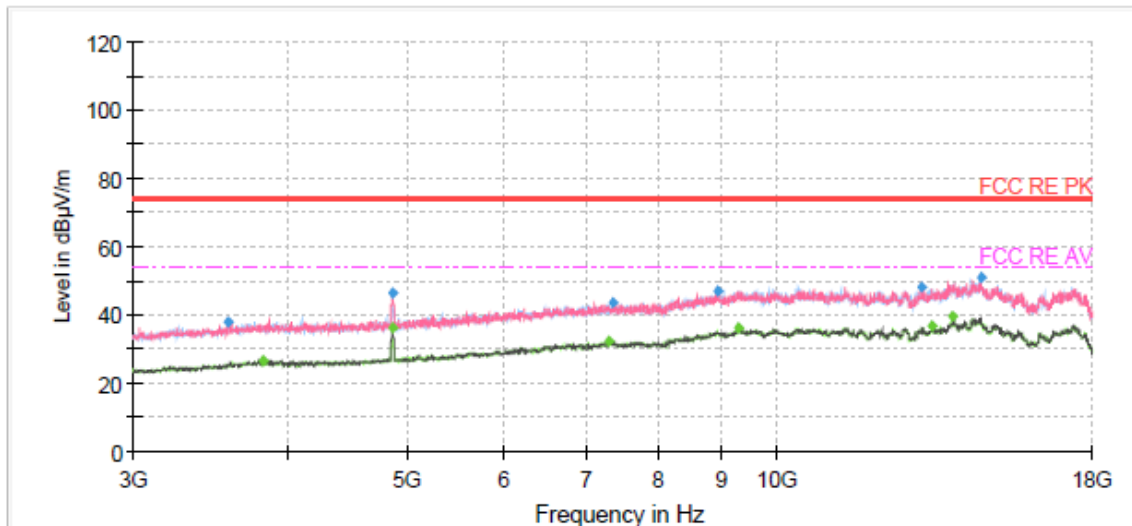


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1023.25	42.55	---	74.00	31.45	500.00	100.0	V	274.00	-7
1189.25	---	30.40	54.00	23.60	500.00	200.0	V	156.00	-6
1399.50	---	31.74	54.00	22.26	500.00	200.0	H	224.00	-4
1424.50	43.93	---	74.00	30.07	500.00	200.0	V	95.00	-5
1464.00	43.93	---	74.00	30.07	500.00	200.0	H	168.00	-5
1697.50	---	32.26	54.00	21.74	500.00	100.0	V	285.00	-3
2041.50	---	33.29	54.00	20.71	500.00	100.0	H	5.00	-2
2055.25	45.12	---	74.00	28.88	500.00	100.0	H	142.00	-2
2253.00	45.99	---	74.00	28.01	500.00	200.0	V	0.00	-1
2259.75	---	33.46	54.00	20.54	500.00	100.0	H	122.00	-1
2712.50	47.62	---	74.00	26.38	500.00	100.0	V	348.00	0
2975.75	---	36.05	54.00	17.95	500.00	100.0	H	59.00	1

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

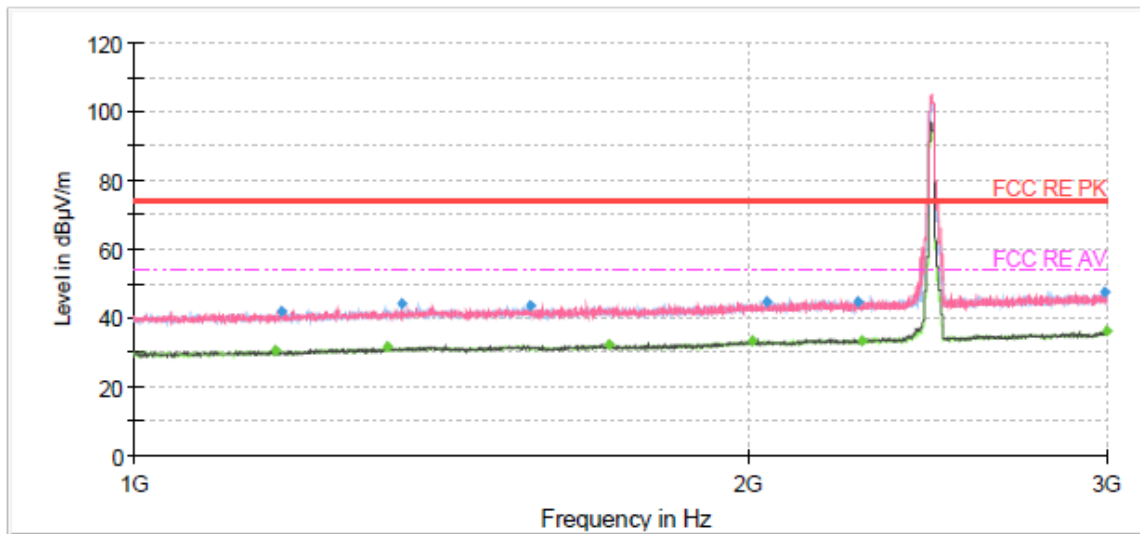


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3586.88	38.10	---	74.00	35.90	500.00	200.0	V	18.00	-8
3825.00	---	26.67	54.00	27.33	500.00	100.0	V	6.00	-7
4873.13	---	36.36	54.00	17.64	500.00	200.0	V	121.00	-4
4873.13	46.43	---	74.00	27.57	500.00	200.0	V	121.00	-4
7299.38	---	32.39	54.00	21.61	500.00	200.0	V	6.00	0
7340.63	43.85	---	74.00	30.15	500.00	100.0	H	186.00	0
8925.00	47.23	---	74.00	26.77	500.00	100.0	V	344.00	4
9301.88	---	36.00	54.00	18.00	500.00	100.0	H	255.00	5
13100.63	48.11	---	74.00	25.89	500.00	100.0	V	330.00	7
13338.75	---	36.95	54.00	17.05	500.00	100.0	V	344.00	7
13871.25	---	39.37	54.00	14.63	500.00	200.0	H	358.00	8
14611.88	50.78	---	74.00	23.22	500.00	100.0	V	0.00	9

Radiates Emission from 3GHz to 18GHz

802.11n (HT20) CH11

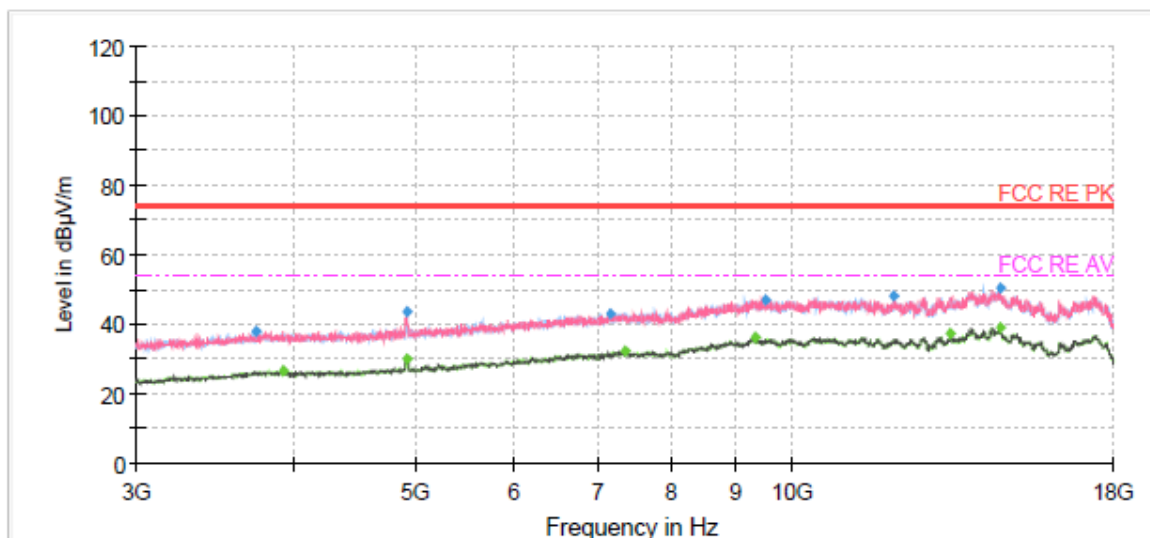


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1173.75	---	30.53	54.00	23.47	500.00	200.0	V	1.00	-6
1181.00	42.14	---	74.00	31.86	500.00	200.0	V	198.00	-6
1331.50	---	31.53	54.00	22.47	500.00	100.0	V	353.00	-5
1353.50	44.35	---	74.00	29.65	500.00	200.0	H	357.00	-5
1563.50	43.71	---	74.00	30.29	500.00	100.0	H	60.00	-4
1708.00	---	32.21	54.00	21.79	500.00	100.0	H	3.00	-3
2010.00	---	33.49	54.00	20.51	500.00	100.0	H	5.00	-2
2042.50	44.78	---	74.00	29.22	500.00	200.0	V	42.00	-2
2264.50	44.81	---	74.00	29.19	500.00	100.0	H	71.00	-1
2278.00	---	33.51	54.00	20.49	500.00	100.0	H	134.00	-1
2991.00	47.39	---	74.00	26.61	500.00	200.0	V	34.00	1
2998.00	---	36.04	54.00	17.96	500.00	200.0	V	8.00	1

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

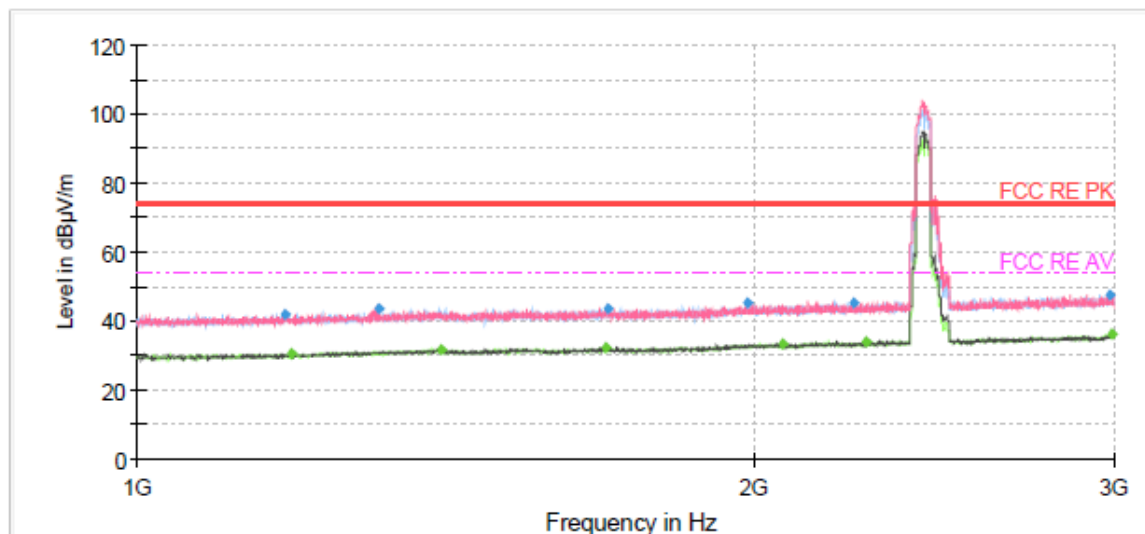


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3733.13	37.81	---	74.00	36.19	500.00	200.0	H	355.00	-7
3920.63	---	26.44	54.00	27.56	500.00	200.0	V	174.00	-7
4918.13	43.44	---	74.00	30.56	500.00	200.0	V	47.00	-4
4921.88	---	29.99	54.00	24.01	500.00	200.0	V	94.00	-4
7160.63	43.13	---	74.00	30.87	500.00	200.0	H	117.00	0
7348.13	---	32.06	54.00	21.94	500.00	100.0	H	0.00	0
9313.13	---	35.96	54.00	18.04	500.00	100.0	V	1.00	5
9504.38	46.98	---	74.00	27.02	500.00	200.0	H	47.00	5
12033.75	48.07	---	74.00	25.93	500.00	100.0	V	185.00	6
13338.75	---	37.58	54.00	16.42	500.00	200.0	H	292.00	7
14604.38	---	39.08	54.00	14.92	500.00	100.0	H	0.00	9
14623.13	50.42	---	74.00	23.58	500.00	200.0	H	2.00	9

Radiates Emission from 3GHz to 18GHz

802.11n (HT40) CH3

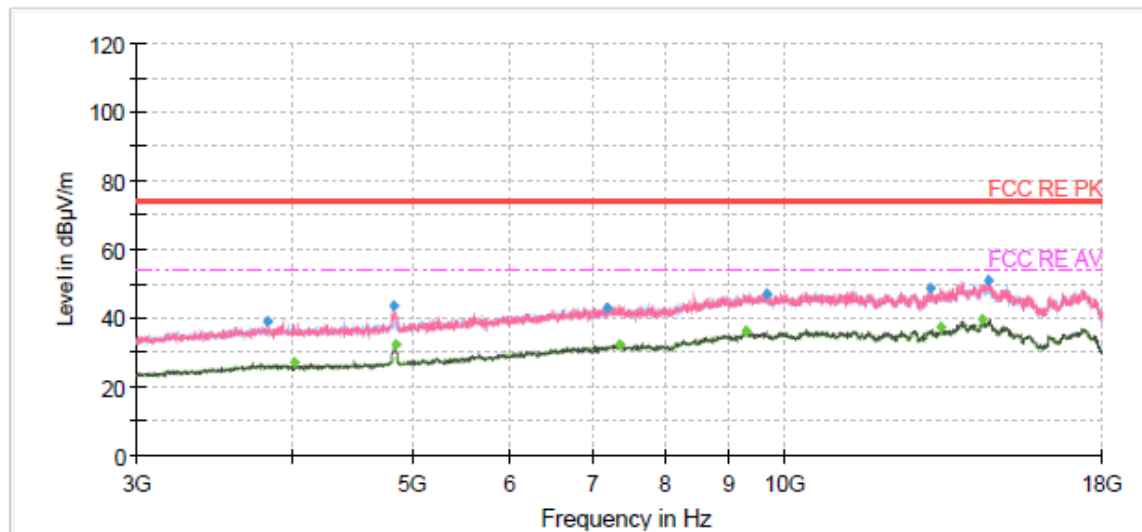


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1180.75	42.08	---	74.00	31.92	500.00	100.0	V	320.00	-6
1188.50	---	30.59	54.00	23.41	500.00	200.0	V	16.00	-6
1311.75	43.39	---	74.00	30.61	500.00	100.0	V	350.00	-5
1407.50	---	31.74	54.00	22.26	500.00	100.0	H	105.00	-4
1694.00	---	32.28	54.00	21.72	500.00	200.0	V	156.00	-3
1698.50	43.77	---	74.00	30.23	500.00	100.0	H	250.00	-3
1985.25	45.26	---	74.00	28.74	500.00	100.0	V	68.00	-2
2066.75	---	33.41	54.00	20.59	500.00	100.0	H	188.00	-2
2236.25	45.15	---	74.00	28.85	500.00	100.0	H	314.00	-1
2272.75	---	33.71	54.00	20.29	500.00	100.0	H	27.00	-1
2988.00	47.56	---	74.00	26.44	500.00	100.0	H	166.00	1
2991.00	---	36.21	54.00	17.79	500.00	100.0	V	0.00	1

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

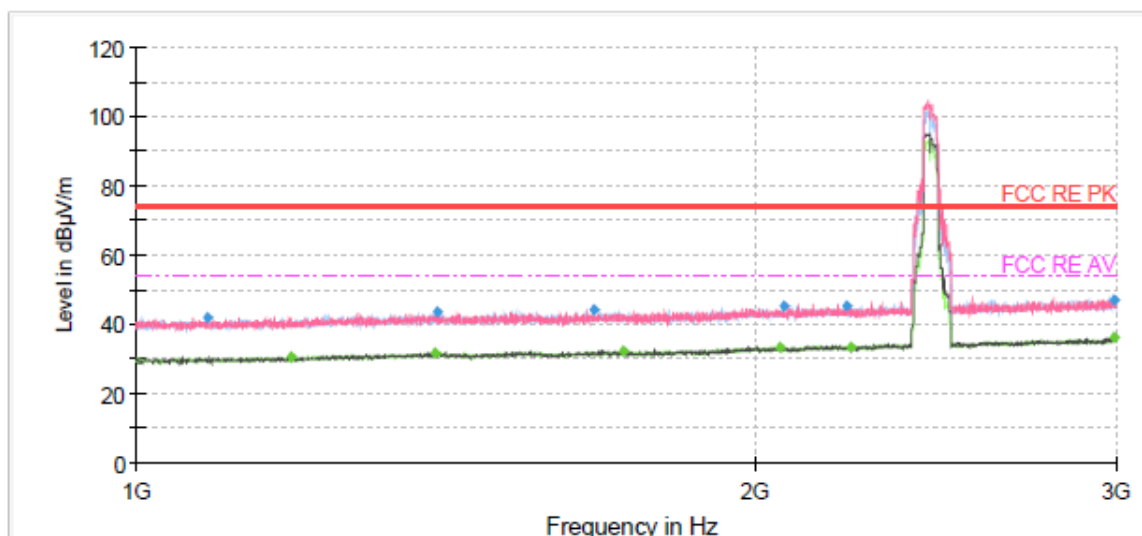


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3819.38	39.05	---	74.00	34.95	500.00	200.0	V	172.00	-7
4020.00	---	26.98	54.00	27.02	500.00	100.0	H	165.00	-6
4839.38	43.32	---	74.00	30.68	500.00	200.0	V	46.00	-4
4845.00	---	32.14	54.00	21.86	500.00	200.0	V	16.00	-4
7183.13	43.26	---	74.00	30.74	500.00	100.0	V	355.00	0
7346.25	---	32.34	54.00	21.66	500.00	100.0	V	353.00	0
9301.88	---	35.99	54.00	18.01	500.00	200.0	H	292.00	5
9658.13	47.10	---	74.00	26.90	500.00	200.0	V	2.00	5
13096.88	48.56	---	74.00	25.44	500.00	200.0	V	115.00	7
13340.63	---	37.34	54.00	16.66	500.00	100.0	V	280.00	7
14401.88	---	39.64	54.00	14.36	500.00	100.0	V	353.00	9
14589.38	50.87	---	74.00	23.13	500.00	100.0	V	323.00	9

Radiates Emission from 3GHz to 18GHz

802.11n (HT40) CH6

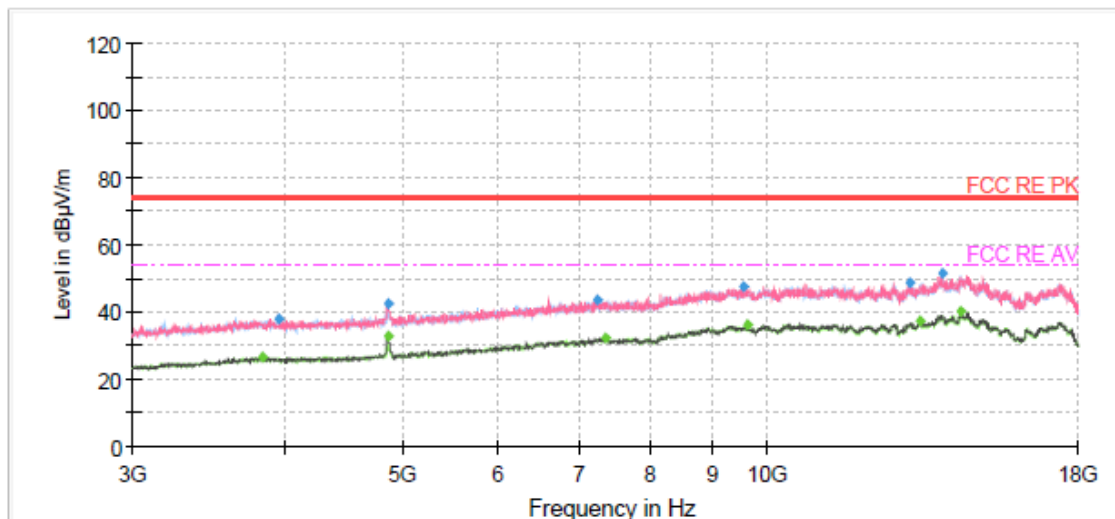


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1082.00	42.07	---	74.00	31.93	500.00	100.0	V	350.00	-7
1189.00	---	30.54	54.00	23.46	500.00	200.0	V	5.00	-6
1396.75	---	31.91	54.00	22.09	500.00	100.0	V	335.00	-4
1400.25	43.75	---	74.00	30.25	500.00	200.0	V	123.00	-4
1672.00	44.06	---	74.00	29.94	500.00	100.0	H	295.00	-4
1725.75	---	32.29	54.00	21.71	500.00	200.0	V	237.00	-3
2059.25	---	33.56	54.00	20.44	500.00	200.0	V	144.00	-2
2068.00	45.41	---	74.00	28.59	500.00	100.0	V	353.00	-2
2216.00	45.03	---	74.00	28.97	500.00	200.0	H	306.00	-1
2229.50	---	33.22	54.00	20.78	500.00	100.0	H	36.00	-1
2994.25	---	36.30	54.00	17.70	500.00	200.0	V	7.00	1
2995.50	47.26	---	74.00	26.74	500.00	200.0	V	82.00	1

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

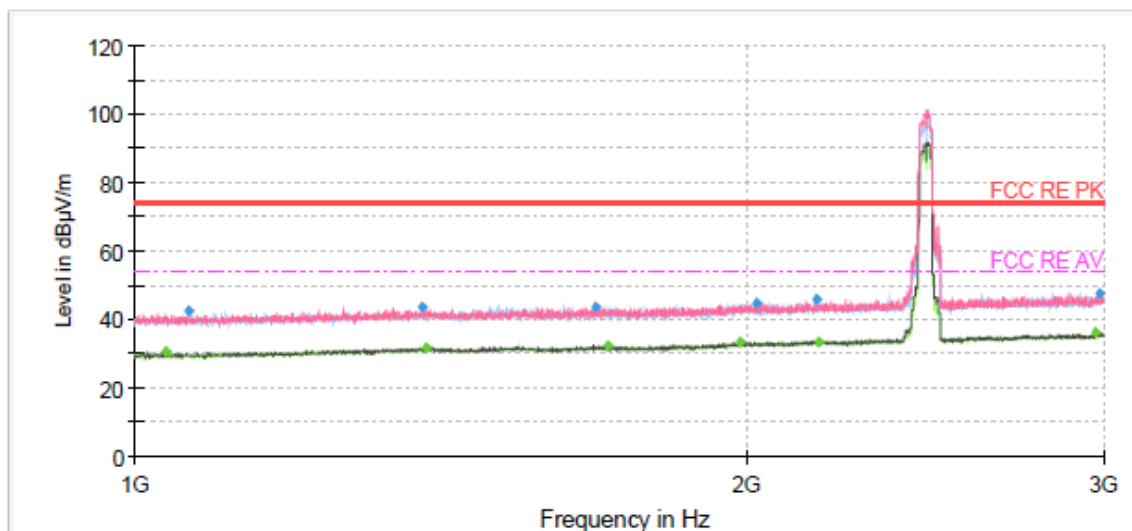


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3841.88	---	26.48	54.00	27.52	500.00	100.0	H	94.00	-7
3963.75	37.94	---	74.00	36.06	500.00	200.0	V	10.00	-7
4861.88	---	32.95	54.00	21.05	500.00	200.0	V	2.00	-4
4867.50	42.46	---	74.00	31.54	500.00	200.0	V	58.00	-4
7222.50	43.30	---	74.00	30.70	500.00	200.0	V	28.00	0
7348.13	---	32.19	54.00	21.81	500.00	100.0	V	104.00	0
9526.88	47.57	---	74.00	26.43	500.00	200.0	H	353.00	5
9607.50	---	36.08	54.00	17.92	500.00	200.0	V	1.00	5
13066.88	48.79	---	74.00	25.21	500.00	200.0	V	1.00	7
13340.63	---	37.54	54.00	16.46	500.00	200.0	V	37.00	7
13895.63	51.34	---	74.00	22.66	500.00	100.0	V	300.00	8
14405.63	---	39.96	54.00	14.04	500.00	100.0	V	69.00	9

Radiates Emission from 3GHz to 18GHz

802.11n (HT40) CH9

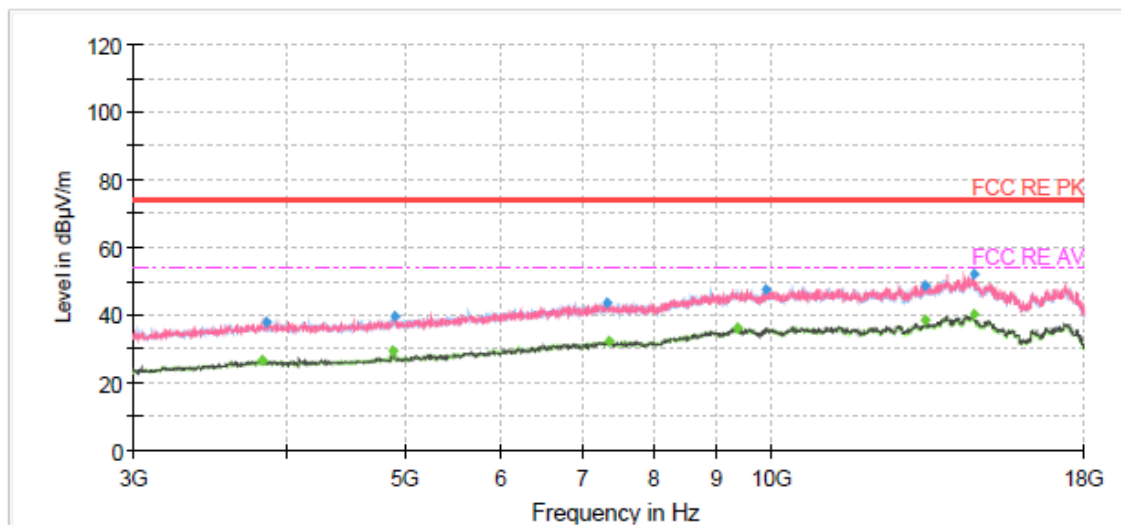


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1035.00	---	30.35	54.00	23.65	500.00	200.0	V	176.00	-7
1062.00	42.24	---	74.00	31.76	500.00	200.0	H	359.00	-7
1385.25	43.56	---	74.00	30.44	500.00	100.0	H	73.00	-4
1390.75	---	31.72	54.00	22.28	500.00	200.0	V	0.00	-4
1687.00	43.82	---	74.00	30.18	500.00	200.0	V	156.00	-3
1709.25	---	32.27	54.00	21.73	500.00	100.0	H	7.00	-3
1986.50	---	33.37	54.00	20.63	500.00	100.0	H	10.00	-2
2023.75	44.87	---	74.00	29.13	500.00	200.0	V	6.00	-2
2164.25	45.95	---	74.00	28.05	500.00	200.0	V	26.00	-1
2170.50	---	33.52	54.00	20.48	500.00	100.0	V	326.00	-1
2972.50	---	35.96	54.00	18.04	500.00	100.0	H	114.00	1
2982.75	47.83	---	74.00	26.17	500.00	200.0	V	0.00	1

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3825.00	---	26.74	54.00	27.26	500.00	100.0	H	0.00	-7
3855.00	38.03	---	74.00	35.97	500.00	100.0	H	0.00	-7
4897.50	---	29.71	54.00	24.29	500.00	200.0	V	0.00	-4
4899.38	39.81	---	74.00	34.19	500.00	200.0	V	119.00	-4
7333.13	43.53	---	74.00	30.47	500.00	200.0	V	36.00	0
7346.25	---	32.23	54.00	21.77	500.00	100.0	V	353.00	0
9356.25	---	36.16	54.00	17.84	500.00	100.0	H	6.00	5
9881.25	47.51	---	74.00	26.49	500.00	200.0	H	213.00	4
13340.63	---	38.34	54.00	15.66	500.00	100.0	V	81.00	7
13350.00	48.91	---	74.00	25.09	500.00	100.0	V	138.00	7
14604.38	---	40.20	54.00	13.80	500.00	100.0	V	185.00	9
14625.00	52.17	---	74.00	21.83	500.00	100.0	V	340.00	8

Radiates Emission from 3GHz to 18GHz

1.2. Bluetooth LE

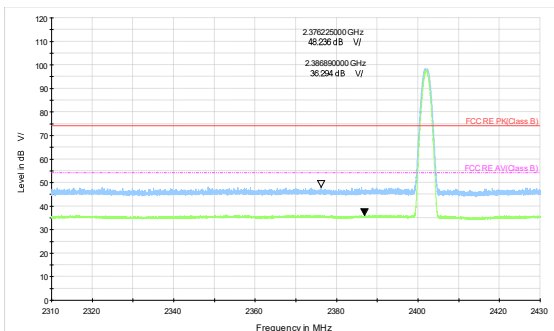
The following graphs display the maximum values of horizontal and vertical by software.

Blue trace uses the peak detection, Green trace uses the average detection.

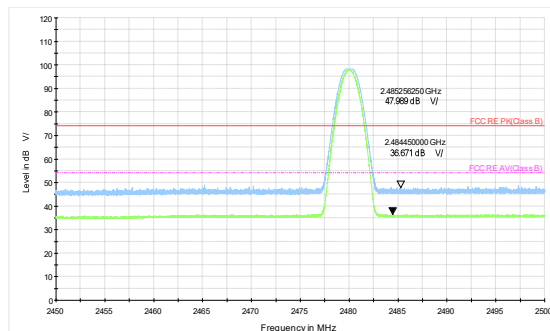
A symbol ($\text{dB } \mu\text{V}$) in the test plot below means ($\text{dB}\mu\text{V/m}$)

The signal beyond the limit is carrier.

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



Bluetooth LE (1M) Channel 0 Peak+ Average



Bluetooth LE (1M) 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 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 (dB $\mu\text{V/m}$)**
A symbol ($\text{dB } \mu\text{V}$) in the test plot below means (dB μV)
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

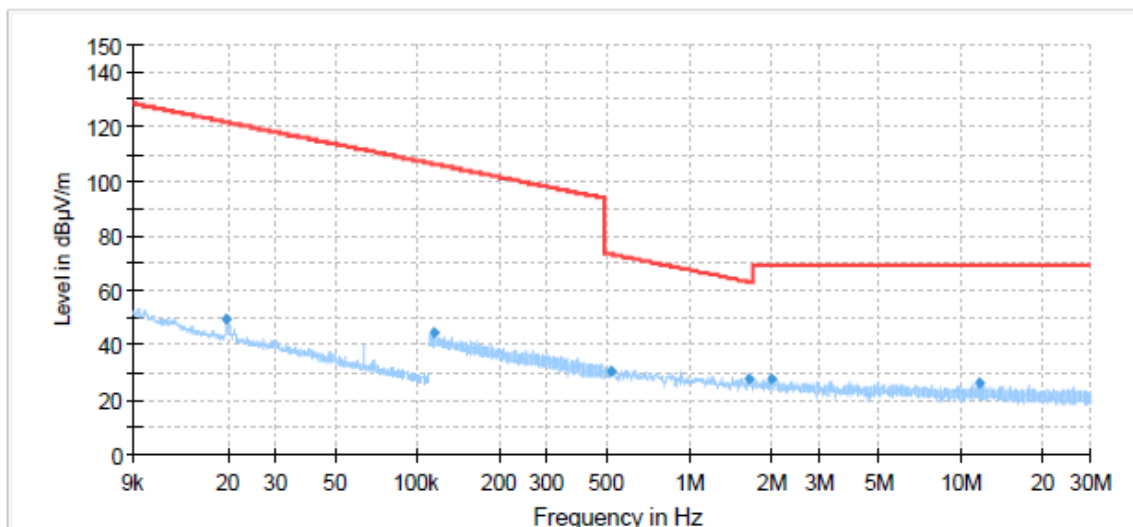
For above 1GHz

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

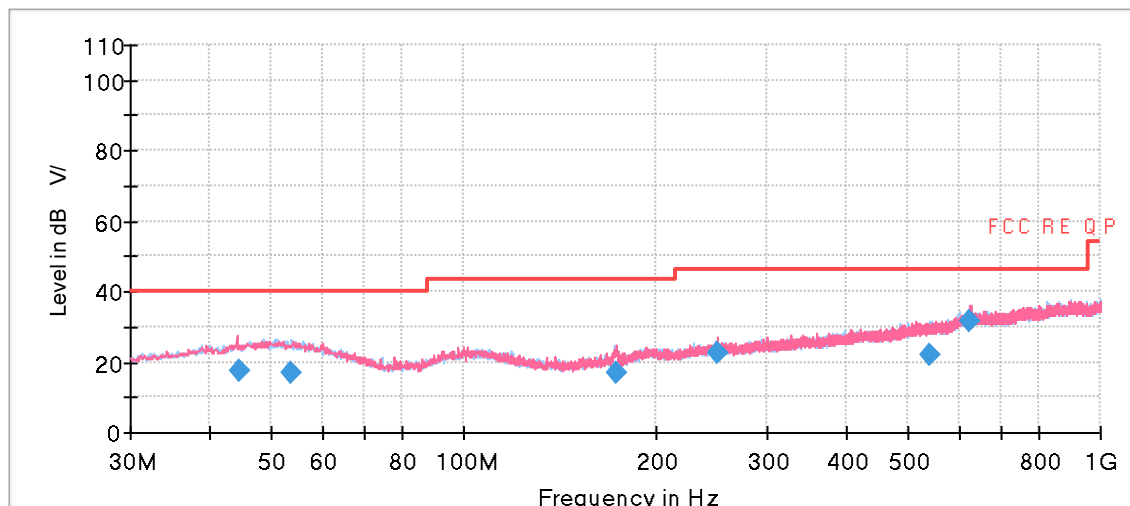
 AVG Level @Spectrum Overview H
  AVG Level @Spectrum Overview V
  AVG Level @Final Results
  AVG Limit

Continuous TX mode:

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



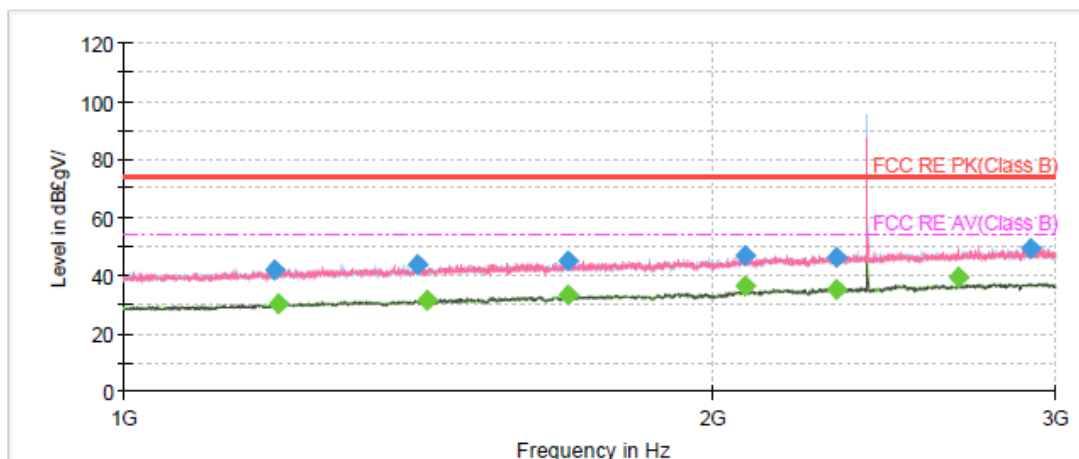
Radiates Emission from 9kHz to 30MHz



Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
44.465000	17.35	40.00	22.65	109.0	V	76.0	20.9
53.768750	17.09	40.00	22.91	122.0	V	103.0	20.9
174.003750	16.98	43.50	26.52	125.0	V	43.0	20.2
250.027500	22.78	46.00	23.22	122.0	V	234.0	20.6
539.327500	22.20	46.00	23.80	122.0	H	129.0	26.1
625.136250	31.62	46.00	14.38	175.0	V	13.0	27.7

Bluetooth LE-Channel 0

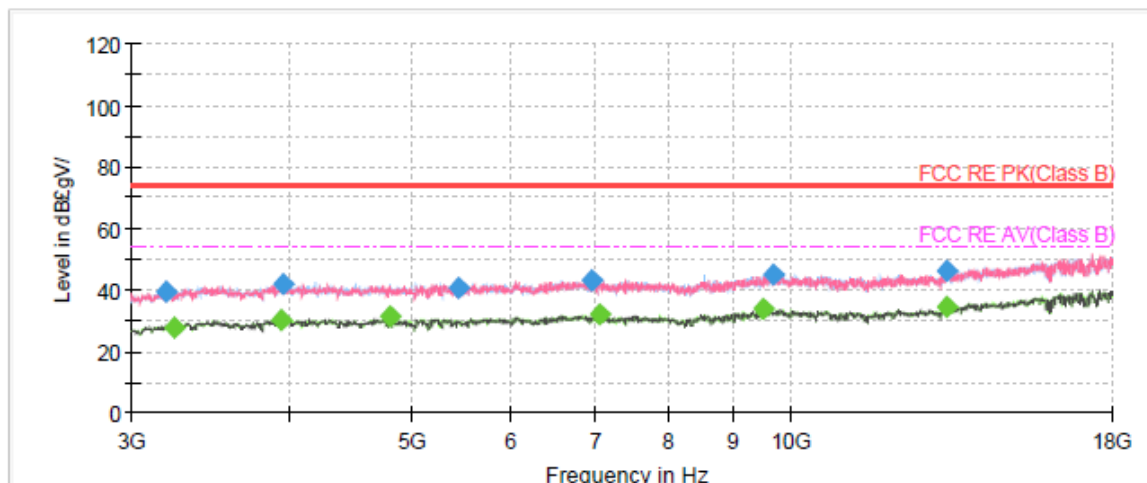


Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1193.250000	41.83	---	74.00	32.17	500.0	100.0	V	59.0	-8.9
1198.500000	---	30.36	54.00	23.64	500.0	200.0	H	183.0	-8.8
1414.750000	43.94	---	74.00	30.06	500.0	200.0	H	2.0	-7.5
1429.250000	---	31.41	54.00	22.59	500.0	200.0	H	153.0	-7.4
1686.250000	44.81	---	74.00	29.19	500.0	200.0	V	66.0	-6.0
1688.750000	---	33.00	54.00	21.00	500.0	200.0	H	329.0	-6.0
2078.750000	46.91	---	74.00	27.09	500.0	200.0	H	63.0	-3.9
2079.000000	---	36.46	54.00	17.54	500.0	200.0	H	128.0	-3.9
2315.250000	---	35.00	54.00	19.00	500.0	100.0	H	345.0	-2.9
2316.750000	46.00	---	74.00	28.00	500.0	200.0	V	0.0	-2.9
2673.000000	---	39.12	54.00	14.88	500.0	100.0	V	59.0	-1.8
2914.000000	49.28	---	74.00	24.72	500.0	200.0	V	287.0	-1.0

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

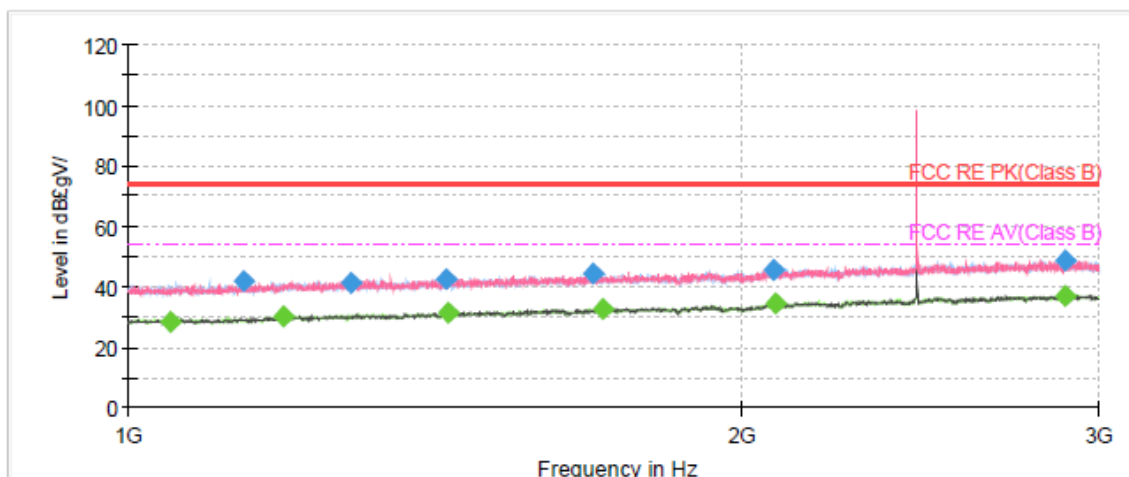


Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3191.250000	39.08	---	74.00	34.92	500.0	200.0	H	111.0	-10.0
3240.000000	---	27.99	54.00	26.01	500.0	100.0	H	330.0	-9.8
3937.500000	---	30.11	54.00	23.89	500.0	100.0	H	306.0	-7.3
3950.625000	41.63	---	74.00	32.37	500.0	100.0	H	144.0	-7.2
4803.750000	---	31.43	54.00	22.57	500.0	100.0	H	185.0	-6.1
5446.875000	40.89	---	74.00	33.11	500.0	200.0	H	169.0	-4.8
6963.750000	43.23	---	74.00	30.77	500.0	100.0	H	200.0	-2.9
7066.875000	---	31.79	54.00	22.21	500.0	200.0	H	6.0	-3.1
9523.125000	---	33.99	54.00	20.01	500.0	200.0	V	329.0	-0.1
9675.000000	45.16	---	74.00	28.84	500.0	100.0	H	340.0	-0.7
13321.875000	---	34.49	54.00	19.51	500.0	100.0	H	267.0	2.3
13321.875000	45.92	---	74.00	28.08	500.0	100.0	H	267.0	2.3

Radiates Emission from 3GHz to 18GHz

Bluetooth LE-Channel 19

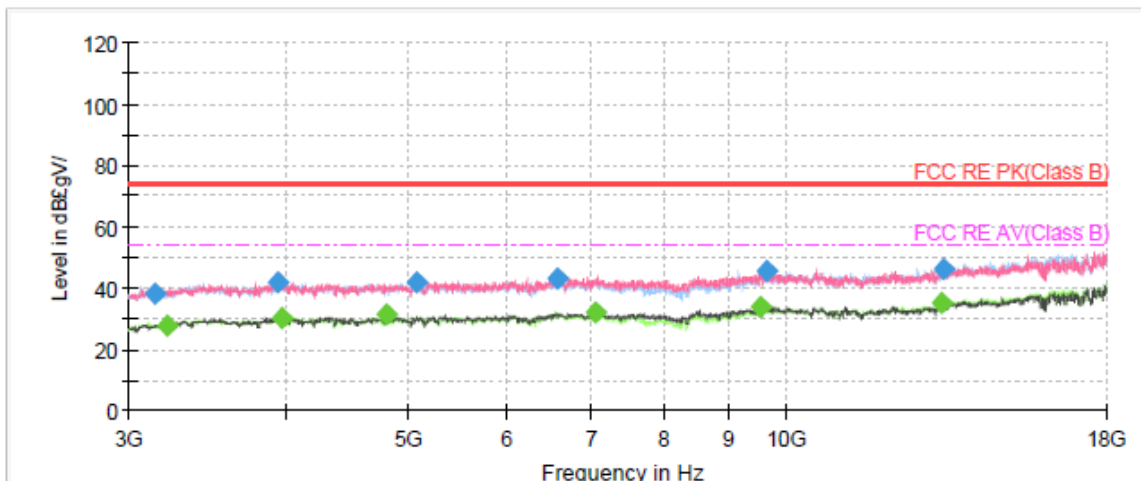


Final Result

Frequency (MHz)	MaxPeak (dBµgV/m)	Average (dBµgV/m)	Limit (dBµgV/m)	Margin (dB)	Meas. Time (ms)	Pol	Azim uth (deg)	Corr. (dB/m)
1047.250000	---	28.50	54.00	25.50	500.0	H	242.0	-10.5
1139.750000	41.58	---	74.00	32.42	500.0	H	309.0	-9.8
1192.750000	---	30.01	54.00	23.99	500.0	V	231.0	-9.0
1285.750000	41.48	---	74.00	32.52	500.0	H	0.0	-8.3
1434.000000	42.74	---	74.00	31.26	500.0	H	7.0	-7.4
1436.250000	---	31.25	54.00	22.75	500.0	H	309.0	-7.3
1693.000000	44.59	---	74.00	29.41	500.0	H	309.0	-6.0
1710.000000	---	32.51	54.00	21.49	500.0	H	1.0	-5.9
2074.500000	45.34	---	74.00	28.66	500.0	V	73.0	-4.0
2078.500000	---	34.43	54.00	19.57	500.0	V	15.0	-3.9
2887.750000	48.65	---	74.00	25.35	500.0	H	94.0	-1.1
2888.750000	---	37.10	54.00	16.90	500.0	V	0.0	-1.1

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

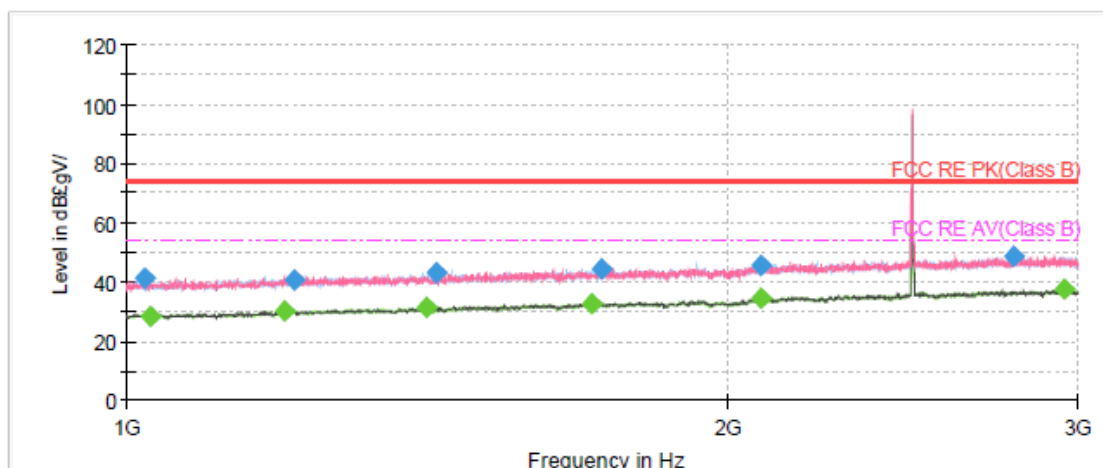


Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3150.000000	38.23	---	74.00	35.77	500.0	100.0	V	0.0	-10.3
3223.125000	---	27.93	54.00	26.07	500.0	200.0	V	161.0	-9.8
3941.250000	41.72	---	74.00	32.28	500.0	200.0	V	300.0	-7.3
3976.875000	---	30.28	54.00	23.72	500.0	200.0	V	220.0	-6.9
4803.750000	---	31.34	54.00	22.66	500.0	100.0	H	11.0	-6.1
5085.000000	41.94	---	74.00	32.06	500.0	100.0	H	237.0	-4.9
6568.125000	43.34	---	74.00	30.66	500.0	200.0	V	330.0	-3.4
7057.500000	---	32.02	54.00	21.98	500.0	100.0	V	104.0	-3.1
9532.500000	---	33.62	54.00	20.38	500.0	100.0	H	143.0	-0.2
9652.500000	45.33	---	74.00	28.67	500.0	100.0	H	188.0	-0.5
13312.500000	---	35.05	54.00	18.95	500.0	100.0	H	261.0	2.3
13335.000000	46.32	---	74.00	27.68	500.0	200.0	H	195.0	2.3

Radiates Emission from 3GHz to 18GHz

Bluetooth LE-Channel 39

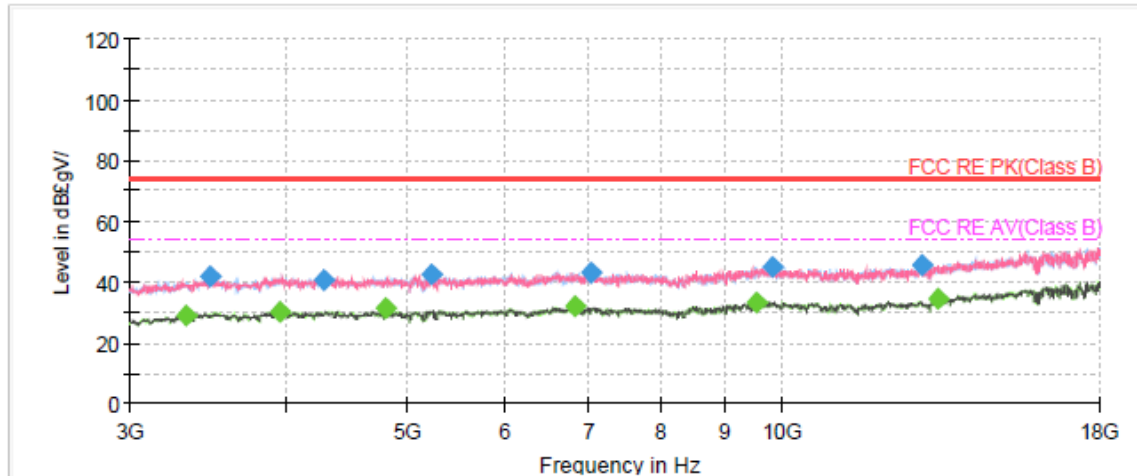


Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Pol	Azim uth (deg)	Corr. (dB/m)
1020.000000	41.44	---	74.00	32.56	500.0	H	134.0	-10.6
1026.250000	---	28.39	54.00	25.61	500.0	H	175.0	-10.6
1200.750000	---	30.11	54.00	23.89	500.0	V	186.0	-8.8
1214.000000	40.80	---	74.00	33.20	500.0	H	340.0	-8.7
1413.750000	---	31.35	54.00	22.65	500.0	V	282.0	-7.5
1430.500000	43.36	---	74.00	30.64	500.0	H	322.0	-7.4
1712.500000	---	32.48	54.00	21.52	500.0	V	160.0	-5.9
1731.500000	44.17	---	74.00	29.83	500.0	V	0.0	-5.8
2079.000000	---	34.36	54.00	19.64	500.0	V	310.0	-3.9
2080.000000	45.83	---	74.00	28.17	500.0	H	68.0	-3.9
2783.250000	48.75	---	74.00	25.25	500.0	H	331.0	-1.4
2954.000000	---	37.34	54.00	16.66	500.0	V	325.0	-0.8

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



Final Result

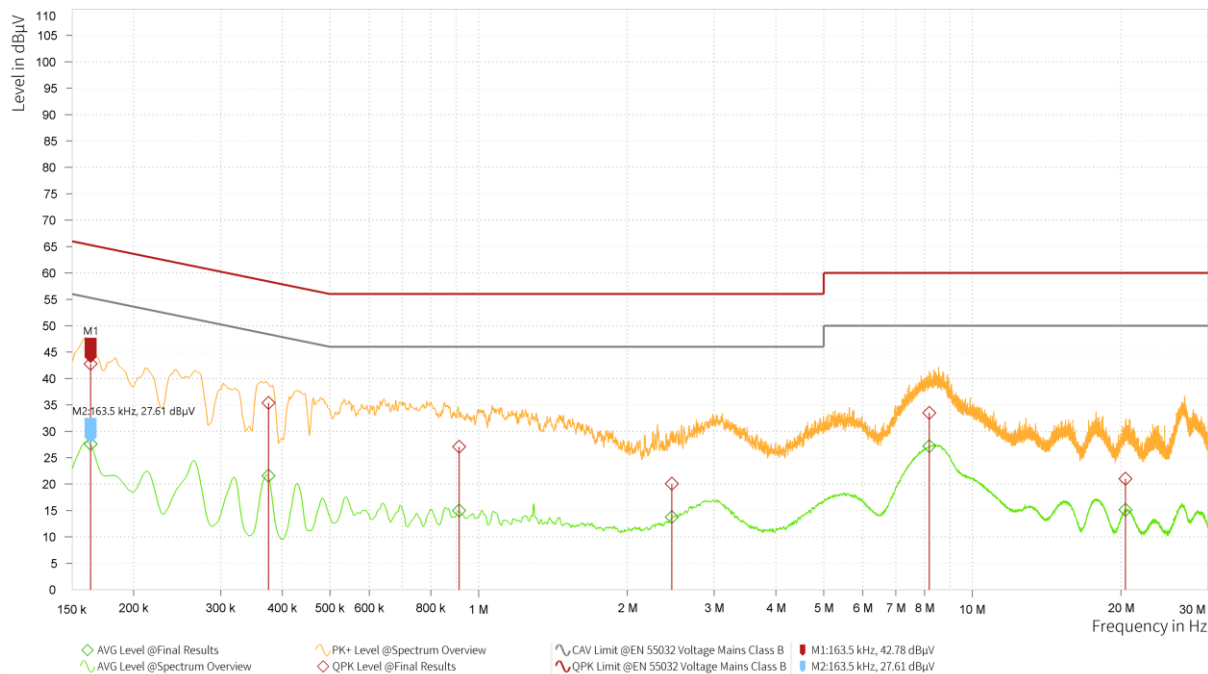
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3326.250000	---	29.03	54.00	24.97	500.0	200.0	H	31.0	-9.1
3478.125000	41.72	---	74.00	32.28	500.0	200.0	V	225.0	-8.3
3958.125000	---	30.17	54.00	23.83	500.0	100.0	H	307.0	-7.1
4288.125000	40.34	---	74.00	33.66	500.0	100.0	V	81.0	-6.4
4803.750000	---	31.11	54.00	22.89	500.0	200.0	H	348.0	-6.1
5236.875000	42.58	---	74.00	31.42	500.0	100.0	V	22.0	-4.7
6821.250000	---	31.75	54.00	22.25	500.0	100.0	V	149.0	-3.2
7027.500000	43.09	---	74.00	30.91	500.0	200.0	H	35.0	-3.1
9530.625000	---	33.47	54.00	20.53	500.0	200.0	V	211.0	-0.2
9826.875000	44.93	---	74.00	29.07	500.0	200.0	H	0.0	-0.4
12969.375000	45.60	---	74.00	28.40	500.0	200.0	V	244.0	1.3
13335.000000	---	34.24	54.00	19.76	500.0	100.0	H	346.0	2.3

Radiates Emission from 3GHz to 18GHz

2. Conducted Emission

2.1. Wi-Fi 2.4GHz

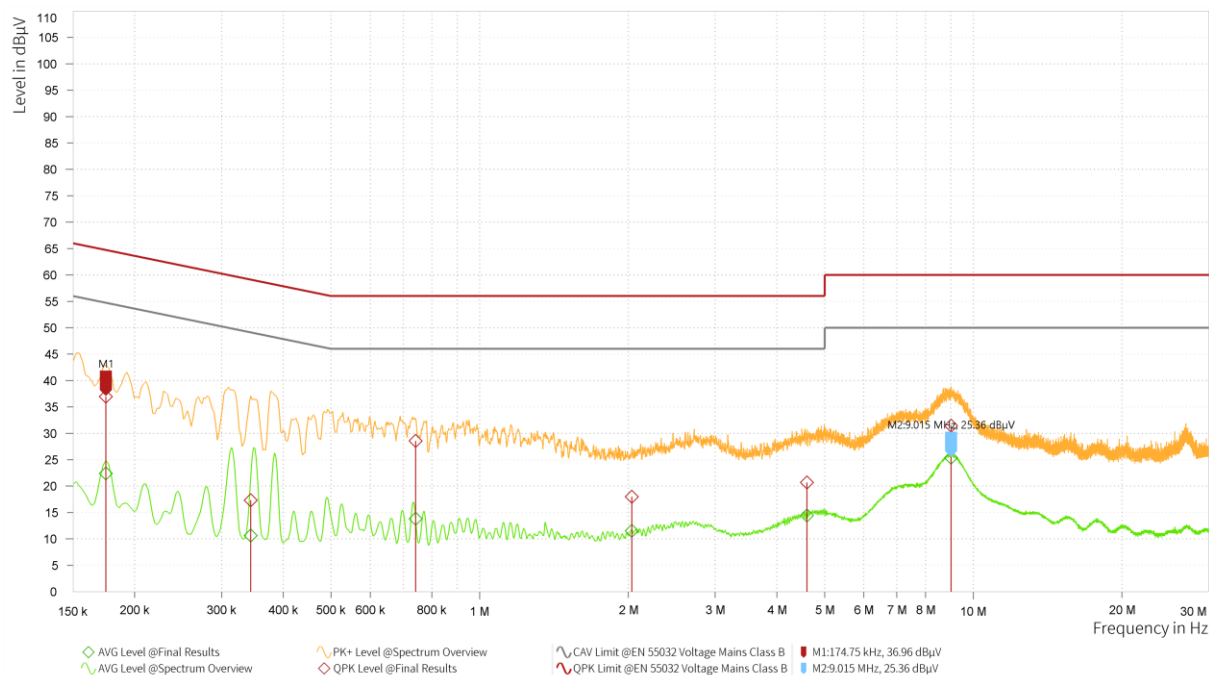
During the test, the Conducted Emission was performed in all modes with all channel. The test data of the worst-case condition was recorded in this report.



Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG: CAV Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.164	42.78	65.28	22.51	27.61	55.28	27.67	20.89	L1	9.000	1.000
0.375	35.38	58.39	23.01	21.56	48.39	26.83	20.90	L1	9.000	1.000
0.913	27.08	56.00	28.92	15.01	46.00	30.99	20.23	L1	9.000	1.000
2.461	20.08	56.00	35.92	13.74	46.00	32.26	19.55	L1	9.000	1.000
8.180	33.49	60.00	26.51	27.18	50.00	22.82	19.41	L1	9.000	1.000
20.441	21.00	60.00	39.00	15.13	50.00	34.87	19.67	L1	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

L line Conducted Emission from 150 kHz to 30 MHz



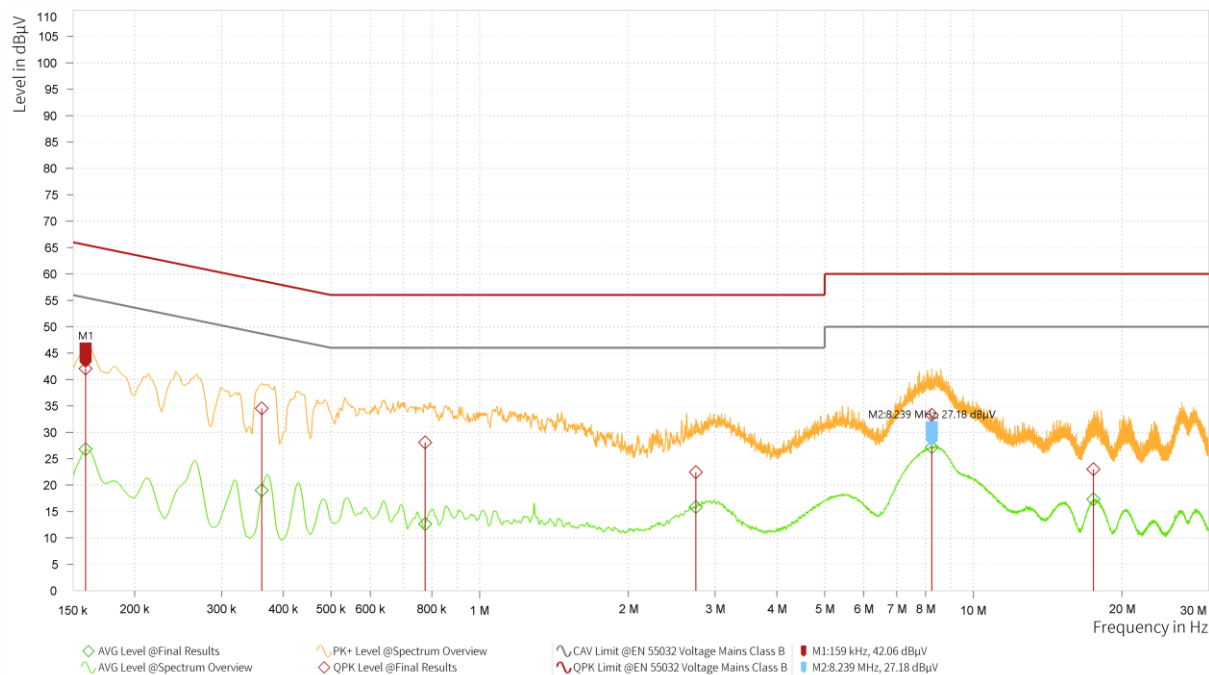
Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG: CAV Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.175	36.96	64.73	27.77	22.40	54.73	32.34	21.04	N	9.000	1.000
0.344	17.31	59.12	41.81	10.62	49.12	38.50	20.94	N	9.000	1.000
0.742	28.57	56.00	27.43	13.78	46.00	32.22	20.39	N	9.000	1.000
2.033	17.99	56.00	38.01	11.54	46.00	34.46	19.65	N	9.000	1.000
4.603	20.69	56.00	35.31	14.44	46.00	31.56	19.42	N	9.000	1.000
9.015	31.47	60.00	28.53	25.36	50.00	24.64	19.42	N	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 kHz to 30 MHz

2.2. Bluetooth LE

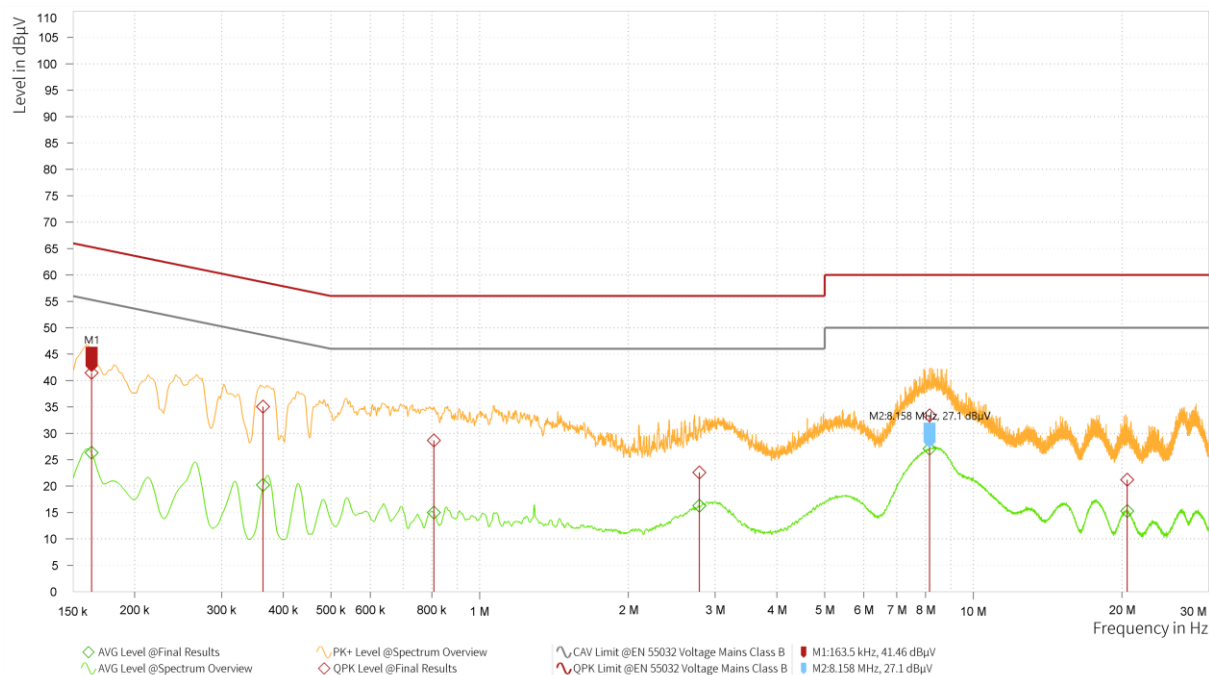
During the test, the Conducted Emission was performed in all modes with all channels. The test data of the worst-case condition was recorded in this report.



Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG: CAV Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.159	42.06	65.52	23.46	26.79	55.52	28.73	20.90	L1	9.000	1.000
0.362	34.51	58.69	24.18	19.02	48.69	29.67	20.91	L1	9.000	1.000
0.776	28.07	56.00	27.93	12.64	46.00	33.36	20.35	L1	9.000	1.000
2.742	22.46	56.00	33.54	15.82	46.00	30.18	19.51	L1	9.000	1.000
8.239	33.31	60.00	26.69	27.18	50.00	22.82	19.41	L1	9.000	1.000
17.518	23.00	60.00	37.00	17.32	50.00	32.68	19.58	L1	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

L line Conducted Emission from 150 kHz to 30 MHz



Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG: CAV Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.164	41.46	65.28	23.82	26.35	55.28	28.94	20.90	N	9.000	1.000
0.364	35.03	58.64	23.61	20.20	48.64	28.44	20.92	N	9.000	1.000
0.807	28.64	56.00	27.36	14.98	46.00	31.02	20.33	N	9.000	1.000
2.785	22.59	56.00	33.41	16.27	46.00	29.73	19.52	N	9.000	1.000
8.158	33.38	60.00	26.62	27.10	50.00	22.90	19.42	N	9.000	1.000
20.504	21.18	60.00	38.82	15.26	50.00	34.74	19.73	N	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 kHz to 30 MHz