

ANNEX A: Test Result

1. Unwanted Emission

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

1.1. Wi-Fi 2.4GHz

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

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.

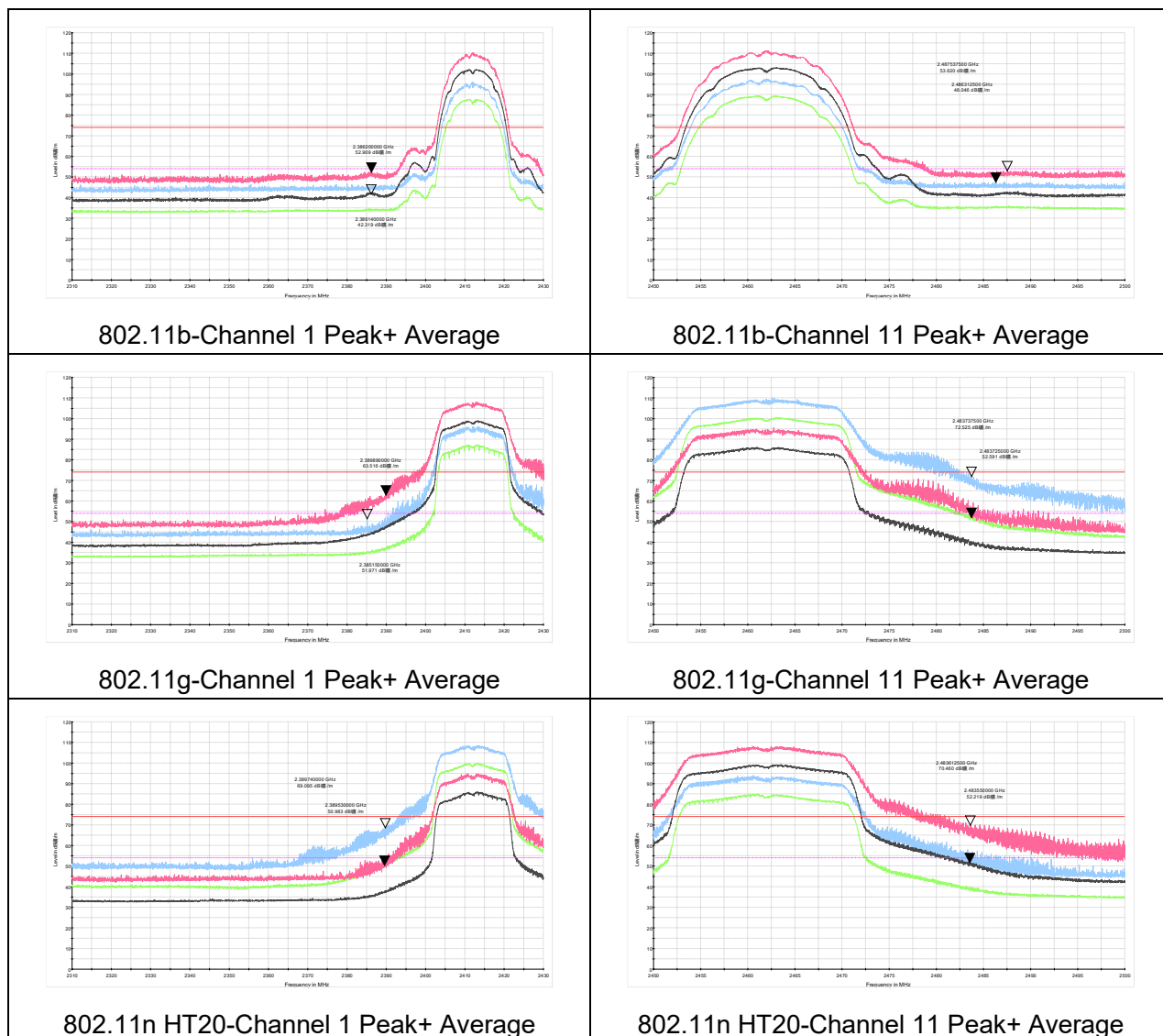
Remark:

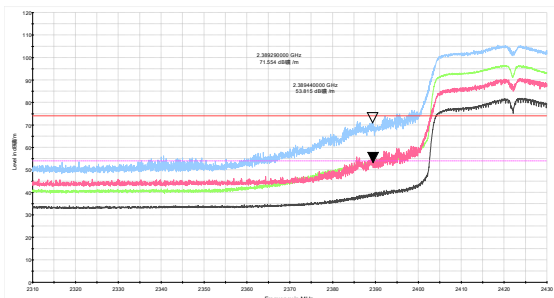
PK Level @Spectrum Overview H

AVG Level @Spectrum Overview H

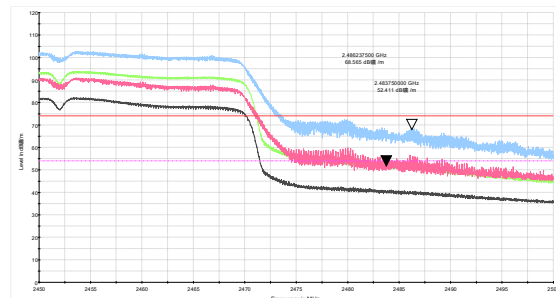
PK Level @Spectrum Overview V

AVG Level @Spectrum Overview V

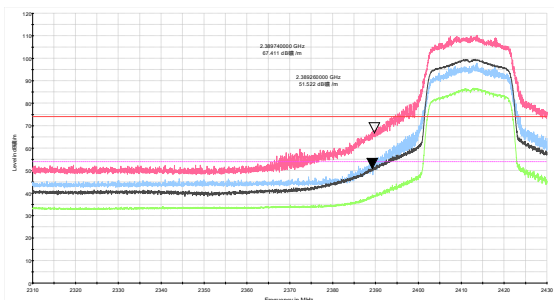




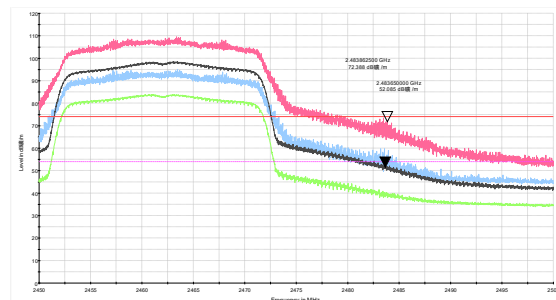
802.11n HT40-Channel 3 Peak+ Average



802.11n HT40-Channel 9 Peak+ Average



802.11ax HE20-Channel 1 Peak+ Average



802.11ax HE20-Channel 11 Peak+ Average

Result of RE

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

Remark:

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

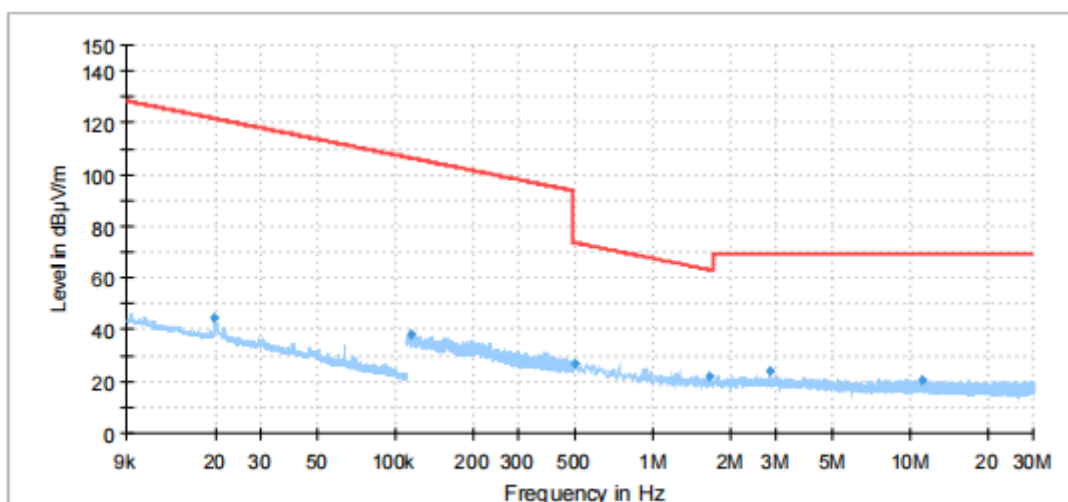
 QP Level @Spectrum Overview H
  QP Level @Spectrum Overview V
  QP Level @Final Results
  QP Limit

For above 1GHz

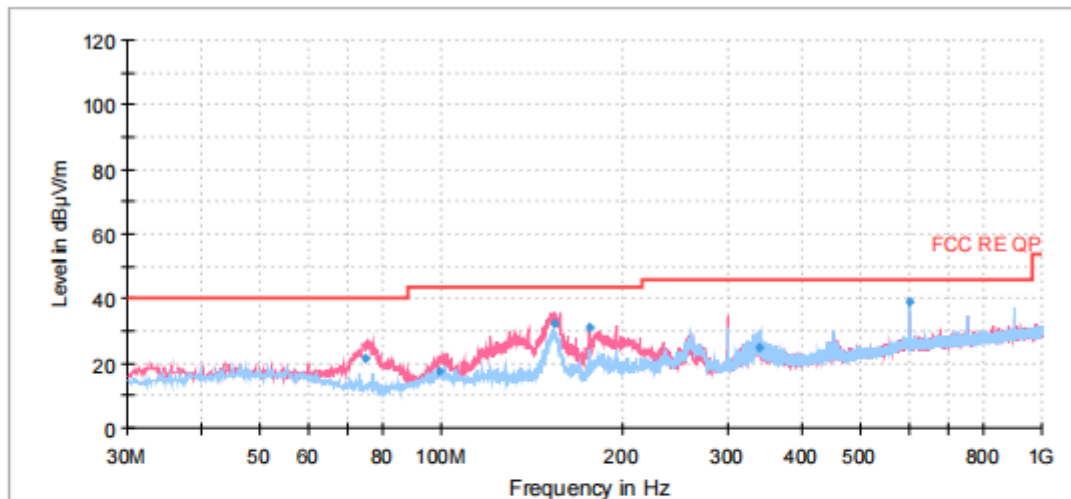
 PK Level @Spectrum Overview H
  PK Level @Spectrum Overview V
  PK Level @Final Results
  PK Limit
 AVG Level @Spectrum Overview H
  AVG Level @Spectrum Overview V
  AVG Level @Final Results
  AVG Limit

Continuous TX mode:

During the test, the Radiates Emission from 9kHz to 1GHz was performed in all modes with all channels, the test data of the worst-case (802.11b CH6) condition was recorded in this report.



Radiates Emission from 9kHz to 30MHz

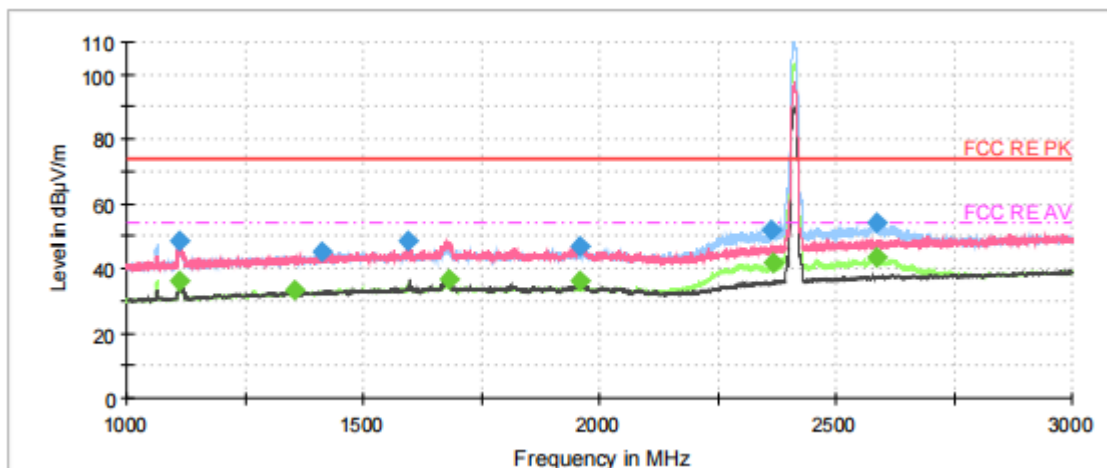


Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
74.95	21.44	40.00	18.56	1000.00	198.0	V	92.00	15
98.99	17.73	43.50	25.77	1000.00	225.0	V	146.00	19
154.05	32.36	43.50	11.14	1000.00	100.0	V	84.00	15
176.71	30.92	43.50	12.58	1000.00	100.0	V	94.00	16
338.74	24.70	46.00	21.30	1000.00	100.0	H	280.00	22
599.96	39.13	46.00	6.87	1000.00	108.0	H	172.00	27

Radiates Emission from 30MHz to 1GHz

802.11b CH1

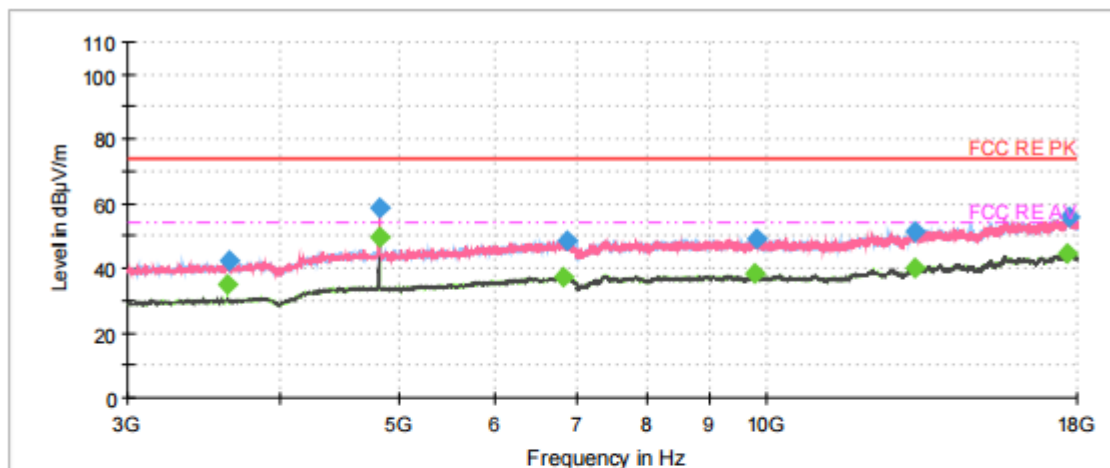


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1110.250000	48.50	---	74.00	25.50	500.0	100.0	V	0.0	-6.8
1110.250000	---	36.12	54.00	17.88	500.0	100.0	V	0.0	-6.8
1353.750000	---	33.19	54.00	20.81	500.0	100.0	V	31.0	-4.9
1412.750000	44.87	---	74.00	29.13	500.0	100.0	V	174.0	-4.4
1593.250000	48.67	---	74.00	25.33	500.0	200.0	H	212.0	-3.0
1681.500000	---	36.83	54.00	17.17	500.0	200.0	V	3.0	-2.3
1959.750000	---	35.98	54.00	18.02	500.0	200.0	V	3.0	-0.1
1960.250000	46.92	---	74.00	27.08	500.0	200.0	V	3.0	-0.1
2363.750000	51.82	---	74.00	22.18	500.0	100.0	H	187.0	1.0
2367.250000	---	41.76	54.00	12.24	500.0	200.0	H	184.0	1.0
2586.750000	54.04	---	74.00	19.96	500.0	200.0	H	108.0	1.7
2587.250000	---	43.37	54.00	10.63	500.0	100.0	H	81.0	1.7

Note: The signal beyond the limit is carrier.

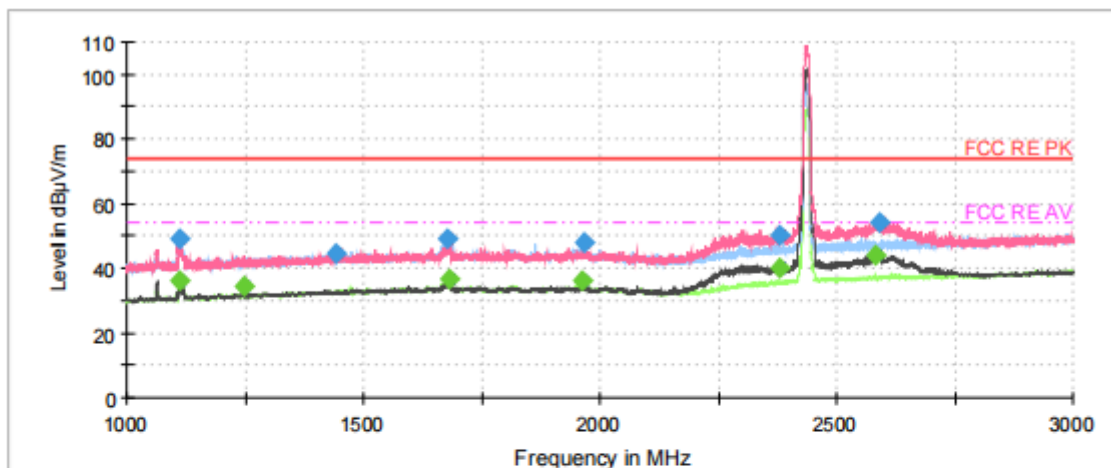
Radiates Emission from 1GHz to 3GHz



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)
3616.875000	---	34.91	54.00	19.09	500.0	100.0	H	195.0	-5.8
3633.750000	42.56	---	74.00	31.44	500.0	200.0	H	73.0	-5.8
4822.500000	---	49.84	54.00	4.16	500.0	100.0	V	116.0	-1.6
4824.375000	58.40	---	74.00	15.60	500.0	200.0	V	116.0	-1.6
6819.375000	---	37.41	54.00	16.59	500.0	200.0	V	255.0	1.1
6881.250000	48.53	---	74.00	25.47	500.0	100.0	H	43.0	1.0
9804.375000	---	38.12	54.00	15.88	500.0	200.0	H	163.0	3.2
9815.625000	49.18	---	74.00	24.82	500.0	200.0	V	326.0	3.2
13276.875000	51.19	---	74.00	22.81	500.0	100.0	V	306.0	5.3
13278.750000	---	40.21	54.00	13.79	500.0	200.0	H	0.0	5.3
17692.500000	---	44.61	54.00	9.39	500.0	200.0	V	265.0	9.8
17715.000000	55.79	---	74.00	18.21	500.0	100.0	H	0.0	9.9

Radiates Emission from 3GHz to 18GHz

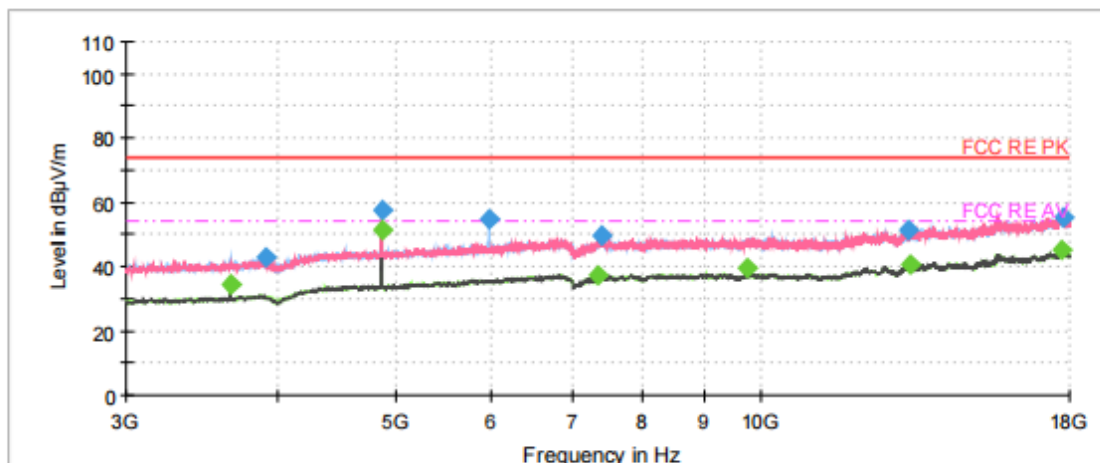


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1111.250000	48.99	---	74.00	25.01	500.0	200.0	H	0.0	-6.8
1112.250000	---	36.05	54.00	17.95	500.0	200.0	H	0.0	-6.8
1246.250000	---	34.41	54.00	19.59	500.0	200.0	V	50.0	-5.7
1440.500000	44.68	---	74.00	29.32	500.0	200.0	V	183.0	-4.1
1679.250000	49.16	---	74.00	24.84	500.0	200.0	H	9.0	-2.3
1680.250000	---	36.60	54.00	17.40	500.0	200.0	H	2.0	-2.3
1961.750000	---	35.90	54.00	18.10	500.0	200.0	H	0.0	-0.1
1966.000000	47.71	---	74.00	26.29	500.0	200.0	H	0.0	-0.1
2380.750000	50.22	---	74.00	23.78	500.0	200.0	V	173.0	1.0
2381.000000	---	40.01	54.00	13.99	500.0	200.0	V	183.0	1.0
2582.000000	---	44.07	54.00	9.93	500.0	200.0	V	70.0	1.7
2590.250000	54.32	---	74.00	19.68	500.0	200.0	V	70.0	1.7

Note: The signal beyond the limit is carrier.

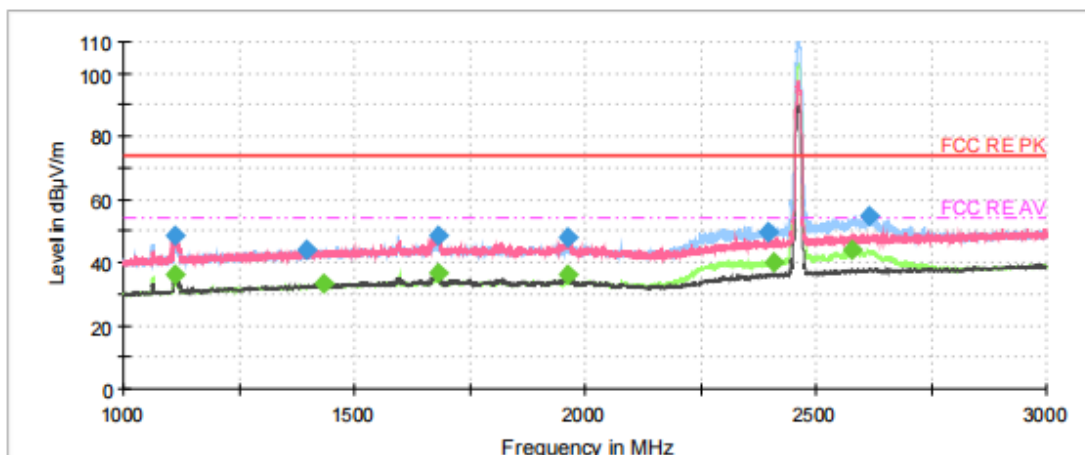
Radiates Emission from 1GHz to 3GHz



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)
3654.375000	---	34.35	54.00	19.65	500.0	200.0	H	123.0	-5.7
3916.875000	42.59	---	74.00	31.41	500.0	100.0	H	143.0	-5.1
4873.125000	57.42	---	74.00	16.58	500.0	200.0	V	77.0	-1.6
4873.125000	---	51.37	54.00	2.63	500.0	200.0	V	77.0	-1.6
5975.625000	54.80	---	74.00	19.20	500.0	200.0	H	0.0	-0.1
7348.125000	---	37.41	54.00	16.59	500.0	100.0	H	214.0	1.8
7389.375000	49.88	---	74.00	24.12	500.0	200.0	V	107.0	2.0
9748.125000	---	39.22	54.00	14.78	500.0	200.0	H	113.0	3.2
13273.125000	51.61	---	74.00	22.39	500.0	100.0	H	0.0	5.3
13314.375000	---	40.40	54.00	13.60	500.0	200.0	V	316.0	5.3
17705.625000	---	44.96	54.00	9.04	500.0	100.0	V	158.0	9.9
17831.250000	55.56	---	74.00	18.44	500.0	200.0	H	163.0	10.1

Radiates Emission from 3GHz to 18GHz

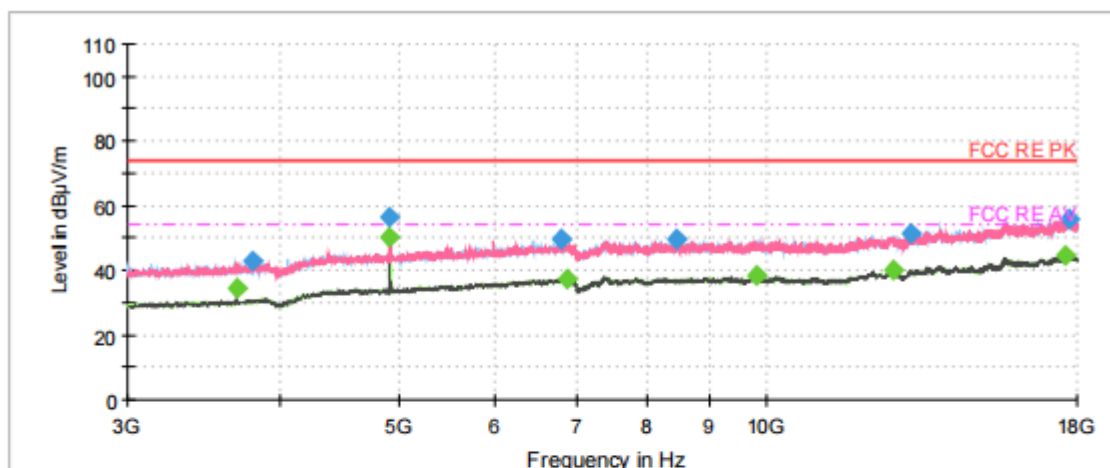


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1110.750000	48.55	---	74.00	25.45	500.0	200.0	V	0.0	-6.8
1112.500000	---	36.13	54.00	17.87	500.0	200.0	V	0.0	-6.8
1396.750000	44.27	---	74.00	29.73	500.0	200.0	V	302.0	-4.5
1432.500000	---	33.45	54.00	20.55	500.0	200.0	V	338.0	-4.2
1680.000000	---	36.70	54.00	17.30	500.0	200.0	V	3.0	-2.3
1680.000000	48.55	---	74.00	25.45	500.0	200.0	V	3.0	-2.3
1960.750000	---	35.91	54.00	18.09	500.0	200.0	V	0.0	-0.1
1963.750000	47.84	---	74.00	26.16	500.0	200.0	V	0.0	-0.1
2397.000000	49.45	---	74.00	24.55	500.0	200.0	H	92.0	1.1
2409.750000	---	40.01	54.00	13.99	500.0	200.0	H	92.0	1.1
2580.000000	---	44.16	54.00	9.84	500.0	200.0	H	82.0	1.7
2616.500000	54.63	---	74.00	19.37	500.0	200.0	H	73.0	1.8

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

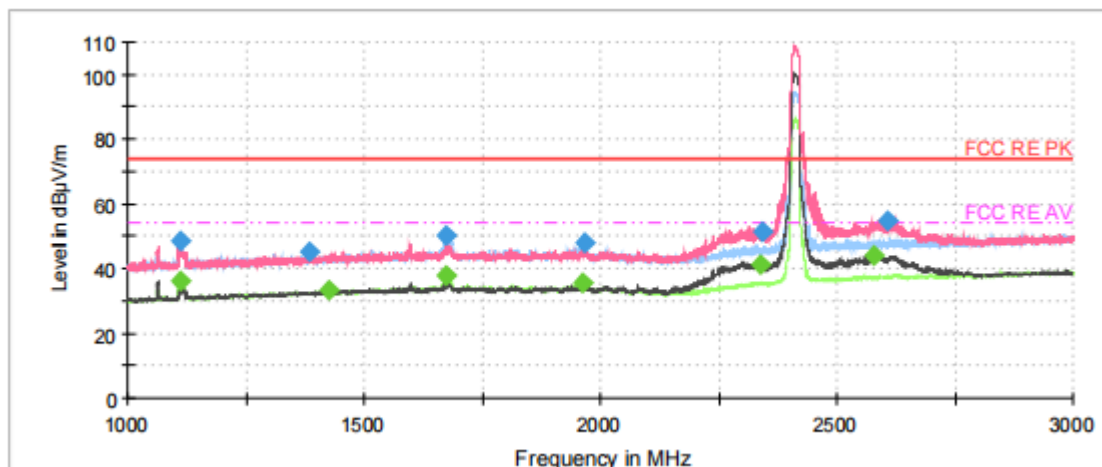


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3691.875000	---	34.63	54.00	19.37	500.0	200.0	V	147.0	-5.7
3796.875000	42.92	---	74.00	31.08	500.0	100.0	V	238.0	-5.2
4923.750000	56.64	---	74.00	17.36	500.0	200.0	H	79.0	-1.5
4923.750000	---	50.04	54.00	3.96	500.0	100.0	H	79.0	-1.5
6802.500000	49.69	---	74.00	24.31	500.0	200.0	V	0.0	1.1
6868.125000	---	37.32	54.00	16.68	500.0	200.0	H	99.0	1.0
8445.000000	49.78	---	74.00	24.22	500.0	100.0	V	331.0	2.9
9847.500000	---	38.43	54.00	15.57	500.0	200.0	V	321.0	3.1
12706.875000	---	40.01	54.00	13.99	500.0	200.0	H	200.0	5.1
13134.375000	51.11	---	74.00	22.89	500.0	100.0	H	139.0	4.9
17621.250000	---	44.68	54.00	9.32	500.0	200.0	H	129.0	9.8
17709.375000	55.98	---	74.00	18.02	500.0	200.0	V	301.0	9.9

Radiates Emission from 3GHz to 18GHz

802.11g CH1

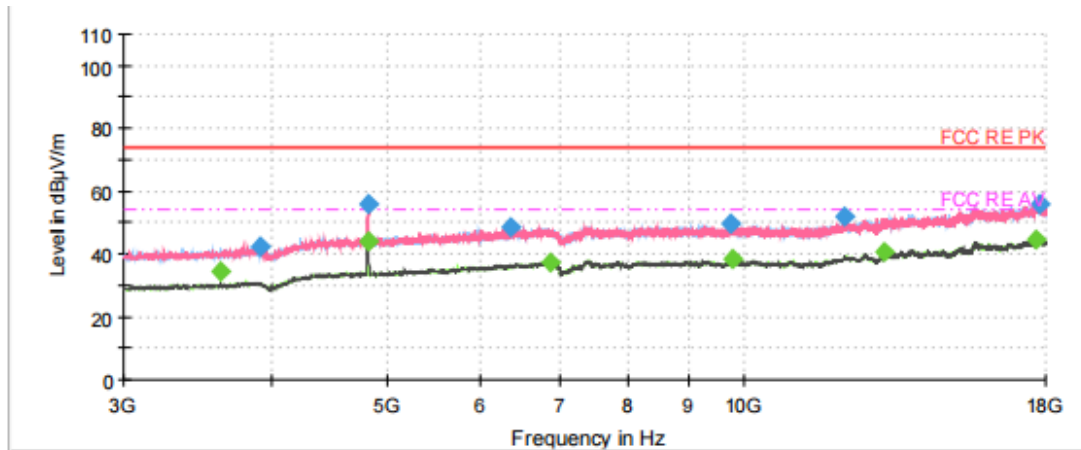


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1111.250000	48.33	---	74.00	25.67	500.0	200.0	H	0.0	-6.8
1111.500000	---	36.34	54.00	17.66	500.0	100.0	H	0.0	-6.8
1385.500000	44.86	---	74.00	29.14	500.0	200.0	H	248.0	-4.6
1424.000000	---	33.33	54.00	20.67	500.0	100.0	H	141.0	-4.2
1674.250000	50.19	---	74.00	23.81	500.0	200.0	H	358.0	-2.4
1674.500000	---	38.02	54.00	15.98	500.0	200.0	H	358.0	-2.4
1963.500000	---	35.51	54.00	18.49	500.0	100.0	H	0.0	-0.1
1966.500000	47.72	---	74.00	26.28	500.0	200.0	H	358.0	-0.1
2337.250000	---	40.97	54.00	13.03	500.0	100.0	V	185.0	0.9
2344.750000	51.07	---	74.00	22.93	500.0	200.0	V	186.0	0.9
2580.250000	---	44.21	54.00	9.79	500.0	200.0	V	72.0	1.7
2606.250000	54.61	---	74.00	19.39	500.0	200.0	V	72.0	1.8

Note: The signal beyond the limit is carrier.

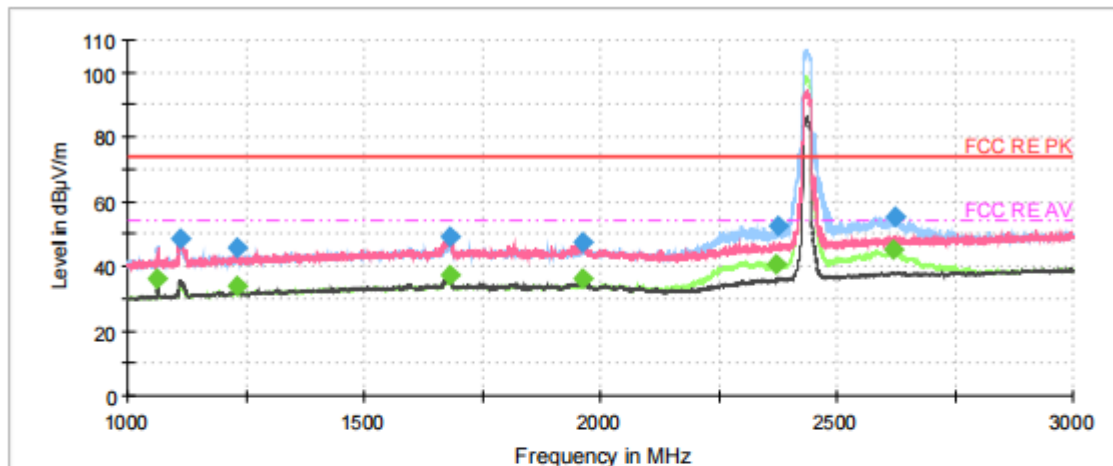
Radiates Emission from 1GHz to 3GHz



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)
3616.875000	---	34.33	54.00	19.67	500.0	100.0	H	120.0	-5.8
3918.750000	42.38	---	74.00	31.62	500.0	200.0	V	157.0	-5.1
4818.750000	---	44.04	54.00	9.96	500.0	200.0	V	85.0	-1.6
4824.375000	55.85	---	74.00	18.15	500.0	200.0	V	85.0	-1.6
6360.000000	48.56	---	74.00	25.44	500.0	100.0	H	0.0	0.5
6877.500000	---	37.50	54.00	16.50	500.0	200.0	H	59.0	1.0
9774.375000	49.40	---	74.00	24.60	500.0	100.0	H	59.0	3.2
9806.250000	---	38.16	54.00	15.84	500.0	200.0	V	247.0	3.2
12166.875000	51.62	---	74.00	22.38	500.0	100.0	V	177.0	4.5
13170.000000	---	40.41	54.00	13.59	500.0	200.0	V	348.0	5.0
17694.375000	---	44.67	54.00	9.33	500.0	100.0	H	285.0	9.8
17831.250000	55.86	---	74.00	18.14	500.0	200.0	V	288.0	10.1

Radiates Emission from 3GHz to 18GHz

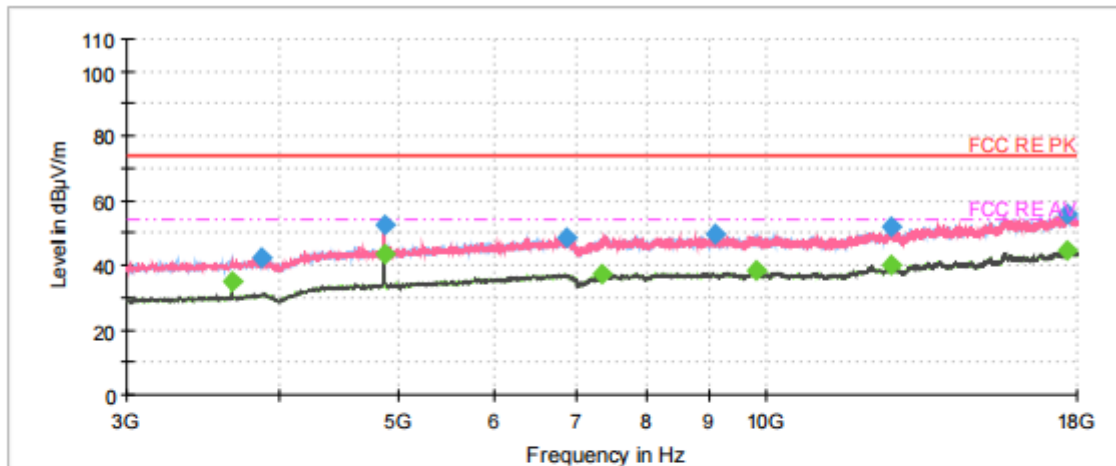


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1063.750000	---	35.87	54.00	18.13	500.0	100.0	H	222.0	-7.3
1110.000000	48.70	---	74.00	25.30	500.0	200.0	V	357.0	-6.8
1232.750000	45.63	---	74.00	28.37	500.0	200.0	H	31.0	-5.8
1232.750000	---	34.03	54.00	19.97	500.0	200.0	H	31.0	-5.8
1681.500000	---	37.13	54.00	16.87	500.0	200.0	V	7.0	-2.3
1682.250000	49.23	---	74.00	24.77	500.0	100.0	V	146.0	-2.3
1962.250000	47.41	---	74.00	26.59	500.0	200.0	V	1.0	-0.1
1963.750000	---	35.88	54.00	18.12	500.0	200.0	V	7.0	-0.1
2372.250000	---	40.41	54.00	13.59	500.0	200.0	H	184.0	1.0
2374.500000	52.57	---	74.00	21.43	500.0	200.0	H	184.0	1.0
2619.750000	---	45.02	54.00	8.98	500.0	200.0	H	61.0	1.8
2625.750000	55.43	---	74.00	18.57	500.0	100.0	H	91.0	1.8

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

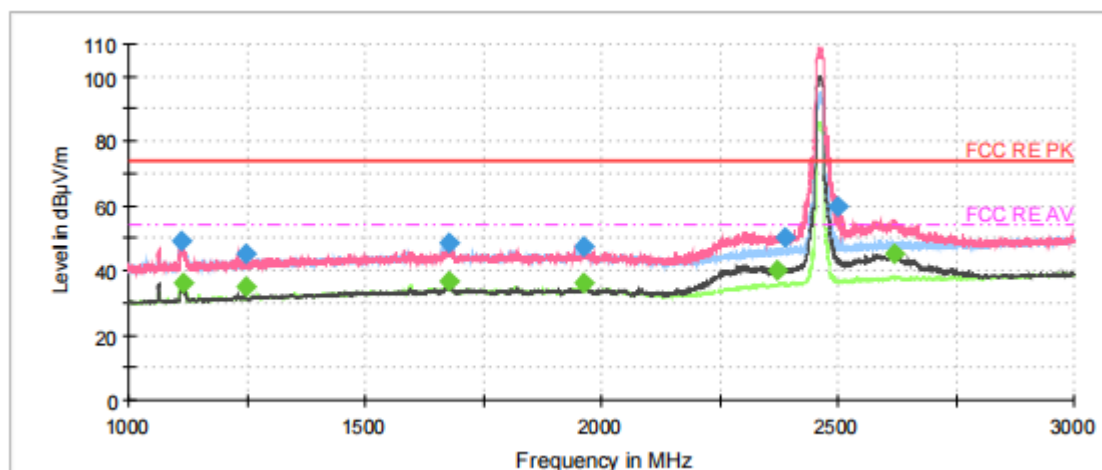


Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3654.375000	---	34.88	54.00	19.12	500.0	200.0	H	143.0	-5.7
3875.625000	42.06	---	74.00	31.94	500.0	200.0	V	299.0	-4.8
4873.125000	52.52	---	74.00	21.48	500.0	100.0	V	85.0	-1.6
4873.125000	---	43.28	54.00	10.72	500.0	200.0	V	85.0	-1.6
6870.000000	48.31	---	74.00	25.69	500.0	200.0	V	34.0	1.0
7348.125000	---	37.33	54.00	16.67	500.0	100.0	V	228.0	1.8
9116.250000	49.36	---	74.00	24.64	500.0	200.0	H	93.0	3.1
9819.375000	---	38.14	54.00	15.86	500.0	200.0	H	193.0	3.2
12658.125000	51.88	---	74.00	22.12	500.0	100.0	V	320.0	5.1
12697.500000	---	39.99	54.00	14.01	500.0	200.0	V	188.0	5.1
17668.125000	---	44.49	54.00	9.51	500.0	200.0	V	0.0	9.8
17685.000000	55.77	---	74.00	18.23	500.0	100.0	H	0.0	9.8

Radiates Emission from 3GHz to 18GHz

802.11g CH11

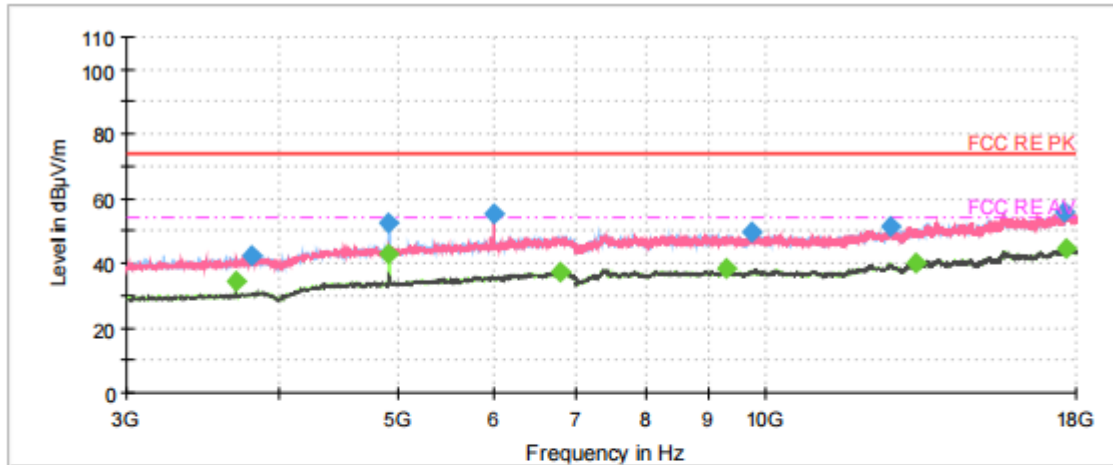


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1110.000000	49.04	---	74.00	24.96	500.0	100.0	H	0.0	-6.8
1114.000000	---	36.28	54.00	17.72	500.0	100.0	V	322.0	-6.8
1247.000000	---	34.80	54.00	19.20	500.0	200.0	V	329.0	-5.7
1248.250000	45.38	---	74.00	28.62	500.0	200.0	V	329.0	-5.7
1676.750000	---	36.64	54.00	17.36	500.0	100.0	H	0.0	-2.4
1677.750000	48.65	---	74.00	25.35	500.0	100.0	H	0.0	-2.4
1963.500000	47.61	---	74.00	26.39	500.0	200.0	H	0.0	-0.1
1964.750000	---	35.86	54.00	18.14	500.0	100.0	H	10.0	-0.1
2373.750000	---	40.26	54.00	13.74	500.0	200.0	V	196.0	1.0
2386.500000	50.17	---	74.00	23.83	500.0	100.0	V	156.0	1.0
2498.500000	59.98	---	74.00	14.02	500.0	200.0	V	157.0	1.3
2619.750000	---	45.31	54.00	8.69	500.0	200.0	V	70.0	1.8

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

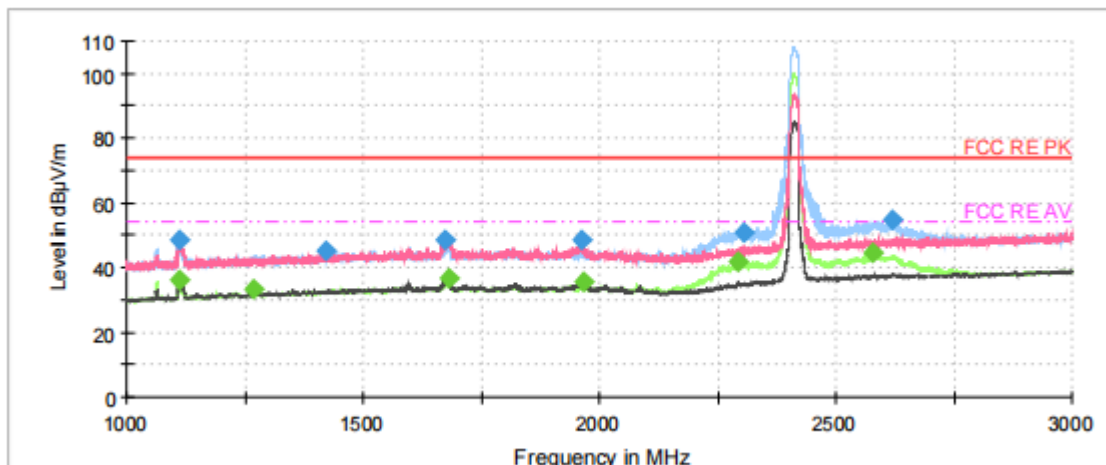


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3691.875000	---	34.59	54.00	19.41	500.0	100.0	V	137.0	-5.7
3793.125000	42.55	---	74.00	31.45	500.0	200.0	H	143.0	-5.2
4921.875000	52.55	---	74.00	21.45	500.0	200.0	H	71.0	-1.5
4921.875000	---	42.66	54.00	11.34	500.0	100.0	H	71.0	-1.5
5994.375000	55.31	---	74.00	18.69	500.0	200.0	V	336.0	-0.1
6796.875000	---	37.47	54.00	16.53	500.0	100.0	V	177.0	1.1
9309.375000	---	38.29	54.00	15.71	500.0	200.0	V	296.0	3.0
9757.500000	49.40	---	74.00	24.60	500.0	200.0	H	92.0	3.2
12699.375000	51.37	---	74.00	22.63	500.0	100.0	H	143.0	5.1
13293.750000	---	39.97	54.00	14.03	500.0	200.0	V	147.0	5.3
17630.625000	56.02	---	74.00	17.98	500.0	200.0	V	306.0	9.8
17658.750000	---	44.63	54.00	9.37	500.0	100.0	H	41.0	9.8

Radiates Emission from 3GHz to 18GHz

802.11n (HT20) CH1

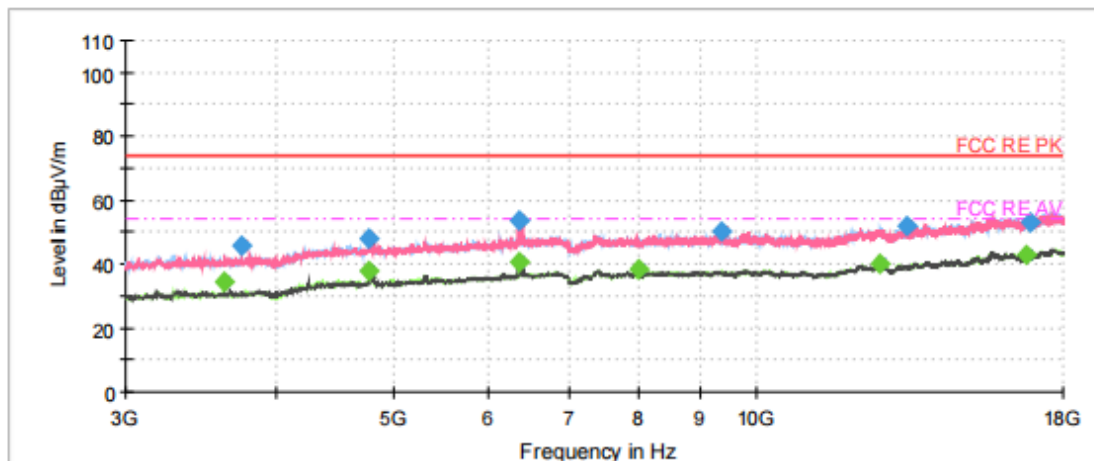


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1111.250000	48.75	---	74.00	25.25	500.0	200.0	V	0.0	-6.8
1111.750000	---	36.34	54.00	17.66	500.0	100.0	V	357.0	-6.8
1268.000000	---	33.14	54.00	20.86	500.0	100.0	H	187.0	-5.5
1421.250000	44.86	---	74.00	29.14	500.0	100.0	H	93.0	-4.3
1674.250000	48.62	---	74.00	25.38	500.0	100.0	V	3.0	-2.4
1682.000000	---	36.87	54.00	17.13	500.0	200.0	V	2.0	-2.3
1963.500000	48.77	---	74.00	25.23	500.0	100.0	V	0.0	-0.1
1966.000000	---	35.82	54.00	18.18	500.0	200.0	V	0.0	-0.1
2295.000000	---	41.47	54.00	12.53	500.0	200.0	H	184.0	0.7
2306.750000	50.95	---	74.00	23.05	500.0	100.0	H	187.0	0.8
2580.000000	---	44.28	54.00	9.72	500.0	100.0	H	74.0	1.7
2621.250000	54.69	---	74.00	19.31	500.0	200.0	H	61.0	1.8

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

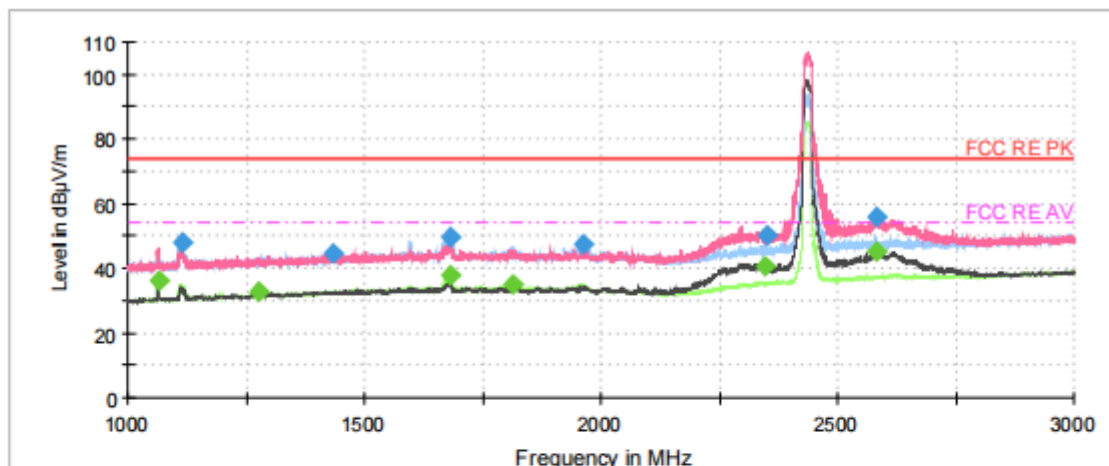


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3616.875000	---	34.55	54.00	19.45	500.0	100.0	V	139.0	-5.8
3744.375000	45.51	---	74.00	28.49	500.0	100.0	V	333.0	-5.5
4777.500000	47.83	---	74.00	26.17	500.0	100.0	H	222.0	-1.6
4777.500000	---	37.67	54.00	16.33	500.0	100.0	H	222.0	-1.6
6369.375000	53.82	---	74.00	20.18	500.0	200.0	V	36.0	0.6
6375.000000	---	40.67	54.00	13.33	500.0	200.0	V	36.0	0.6
7995.000000	---	38.59	54.00	15.41	500.0	200.0	V	199.0	1.9
9375.000000	50.19	---	74.00	23.81	500.0	100.0	V	354.0	3.0
12703.125000	---	40.19	54.00	13.81	500.0	200.0	V	252.0	5.1
13333.125000	51.76	---	74.00	22.24	500.0	200.0	V	117.0	5.2
16755.000000	---	42.84	54.00	11.16	500.0	200.0	V	190.0	7.6
16906.875000	52.87	---	74.00	21.13	500.0	200.0	H	357.0	8.0

Radiates Emission from 3GHz to 18GHz

802.11n (HT20) CH6

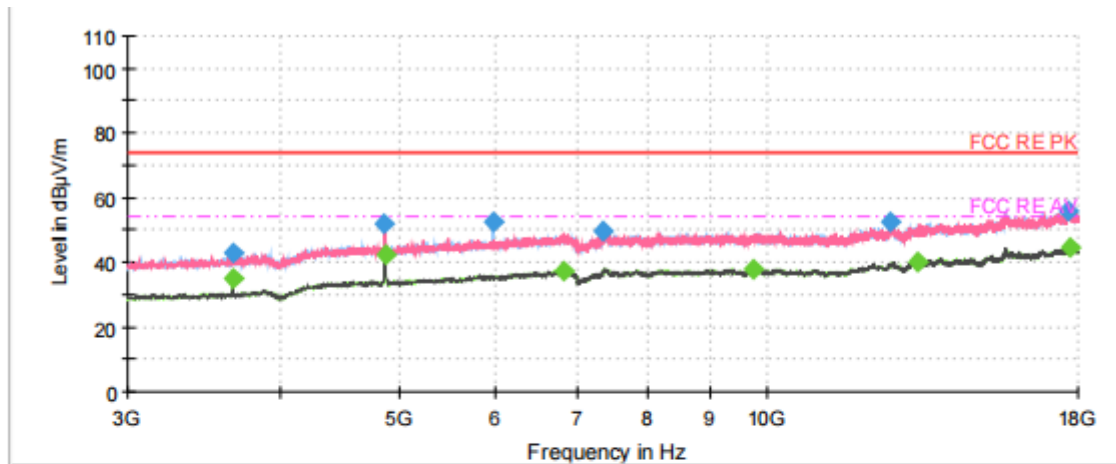


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1065.750000	---	35.88	54.00	18.12	500.0	100.0	V	222.0	-7.2
1114.000000	48.22	---	74.00	25.78	500.0	200.0	H	3.0	-6.8
1276.250000	---	32.87	54.00	21.13	500.0	100.0	V	0.0	-5.5
1434.000000	44.31	---	74.00	29.69	500.0	200.0	V	0.0	-4.2
1680.750000	49.56	---	74.00	24.44	500.0	100.0	H	0.0	-2.3
1682.000000	---	37.78	54.00	16.22	500.0	100.0	H	0.0	-2.3
1815.000000	---	34.98	54.00	19.02	500.0	100.0	H	281.0	-1.4
1964.500000	47.39	---	74.00	26.61	500.0	100.0	H	0.0	-0.1
2347.250000	---	40.63	54.00	13.37	500.0	100.0	V	184.0	0.9
2352.250000	50.48	---	74.00	23.52	500.0	100.0	V	184.0	0.9
2581.250000	---	45.04	54.00	8.96	500.0	200.0	V	71.0	1.7
2581.500000	55.69	---	74.00	18.31	500.0	100.0	V	71.0	1.7

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

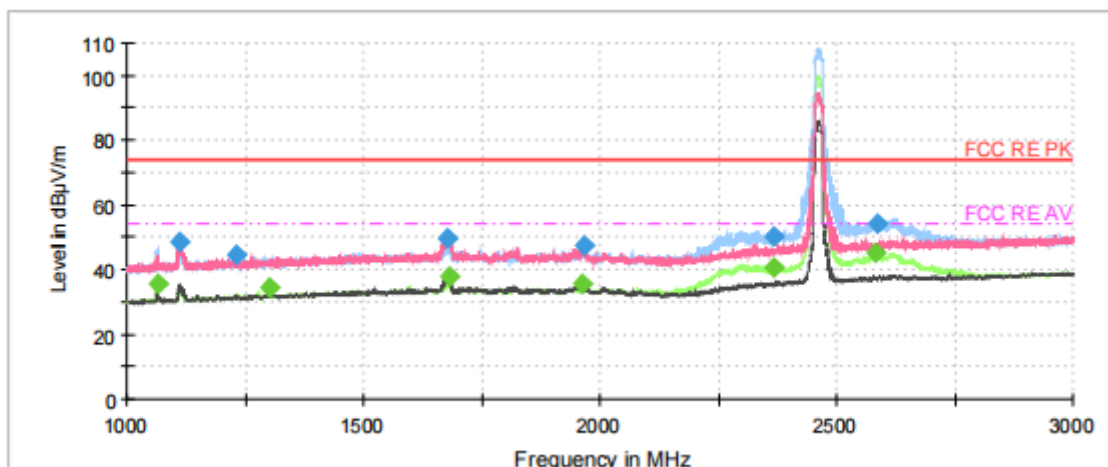


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3654.375000	43.01	---	74.00	30.99	500.0	100.0	H	122.0	-5.7
3654.375000	---	34.74	54.00	19.26	500.0	200.0	H	122.0	-5.7
4871.250000	51.96	---	74.00	22.04	500.0	100.0	V	75.0	-1.6
4873.125000	---	42.21	54.00	11.79	500.0	100.0	V	64.0	-1.6
5977.500000	52.56	---	74.00	21.44	500.0	200.0	H	8.0	-0.1
6825.000000	---	37.44	54.00	16.56	500.0	100.0	H	92.0	1.1
7359.375000	49.51	---	74.00	24.49	500.0	200.0	V	125.0	1.9
9748.125000	---	38.02	54.00	15.98	500.0	200.0	V	95.0	3.2
12654.375000	52.34	---	74.00	21.66	500.0	100.0	V	0.0	5.1
13299.375000	---	39.92	54.00	14.08	500.0	200.0	V	357.0	5.3
17690.625000	55.88	---	74.00	18.12	500.0	100.0	V	337.0	9.8
17745.000000	---	44.56	54.00	9.44	500.0	200.0	V	347.0	9.9

Radiates Emission from 3GHz to 18GHz

802.11n (HT20) CH11

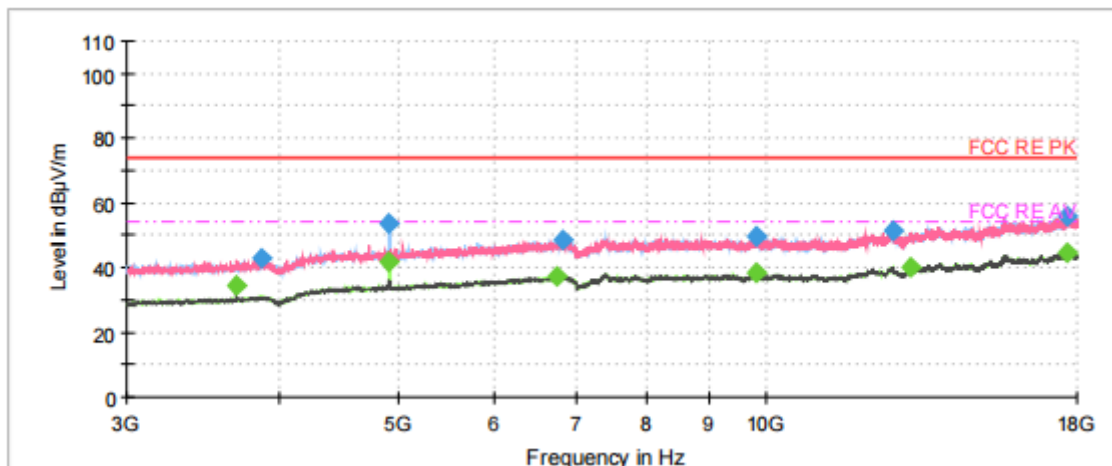


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1064.500000	---	35.67	54.00	18.33	500.0	200.0	H	231.0	-7.3
1111.500000	48.36	---	74.00	25.64	500.0	100.0	V	357.0	-6.8
1232.500000	44.39	---	74.00	29.61	500.0	100.0	H	272.0	-5.8
1300.000000	---	34.36	54.00	19.64	500.0	100.0	V	115.0	-5.3
1679.000000	49.69	---	74.00	24.31	500.0	200.0	V	0.0	-2.3
1680.500000	---	37.71	54.00	16.29	500.0	100.0	V	357.0	-2.3
1960.750000	---	35.52	54.00	18.48	500.0	100.0	V	0.0	-0.1
1967.250000	47.11	---	74.00	26.89	500.0	100.0	V	235.0	-0.1
2366.500000	50.45	---	74.00	23.55	500.0	200.0	H	184.0	1.0
2369.500000	---	40.56	54.00	13.44	500.0	200.0	H	184.0	1.0
2581.000000	---	45.31	54.00	8.69	500.0	100.0	H	74.0	1.7
2588.750000	54.43	---	74.00	19.57	500.0	100.0	H	83.0	1.7

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

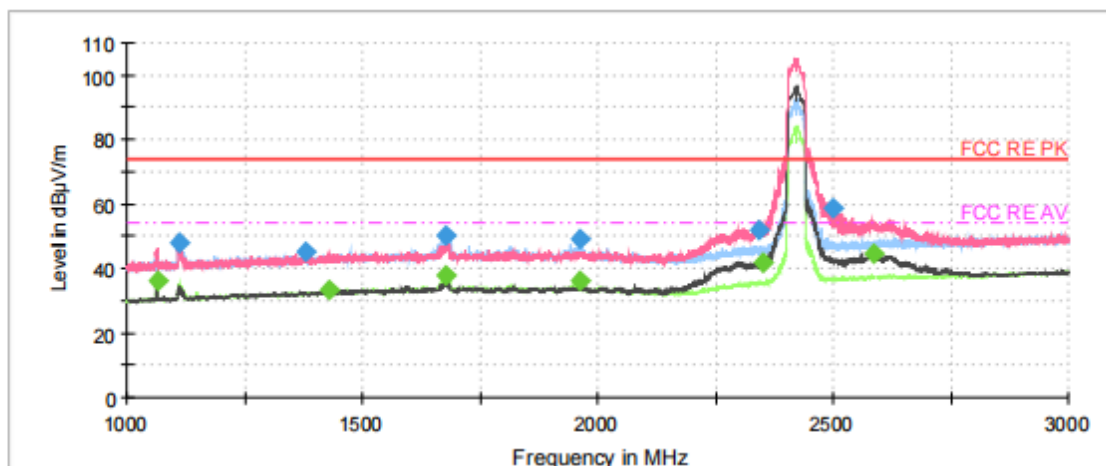


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3691.875000	---	34.56	54.00	19.44	500.0	100.0	V	146.0	-5.7
3871.875000	42.62	---	74.00	31.38	500.0	200.0	V	299.0	-4.8
4923.750000	53.45	---	74.00	20.55	500.0	100.0	H	81.0	-1.5
4923.750000	---	42.00	54.00	12.00	500.0	200.0	H	81.0	-1.5
6753.750000	---	37.27	54.00	16.73	500.0	200.0	V	259.0	1.0
6836.250000	48.37	---	74.00	25.63	500.0	100.0	H	81.0	1.1
9847.500000	49.40	---	74.00	24.60	500.0	200.0	H	91.0	3.1
9847.500000	---	38.42	54.00	15.58	500.0	200.0	H	91.0	3.1
12736.875000	51.28	---	74.00	22.72	500.0	100.0	H	40.0	5.0
13168.125000	---	40.09	54.00	13.91	500.0	200.0	V	168.0	5.0
17666.250000	56.00	---	74.00	18.00	500.0	100.0	V	178.0	9.8
17686.875000	---	44.67	54.00	9.33	500.0	200.0	H	60.0	9.8

Radiates Emission from 3GHz to 18GHz

802.11n (HT40) CH3

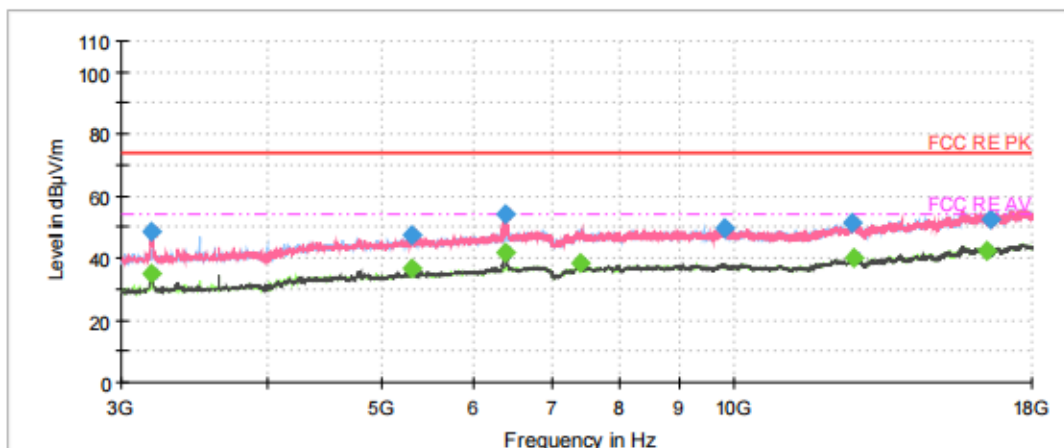


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1065.500000	---	36.00	54.00	18.00	500.0	100.0	V	232.0	-7.2
1110.250000	48.15	---	74.00	25.85	500.0	200.0	H	0.0	-6.8
1379.250000	44.95	---	74.00	29.05	500.0	200.0	H	229.0	-4.6
1429.500000	---	33.04	54.00	20.96	500.0	100.0	H	64.0	-4.2
1679.250000	50.13	---	74.00	23.87	500.0	200.0	H	0.0	-2.3
1679.250000	---	37.55	54.00	16.45	500.0	200.0	H	0.0	-2.3
1963.000000	48.84	---	74.00	25.16	500.0	100.0	H	310.0	-0.1
1964.000000	---	35.90	54.00	18.10	500.0	200.0	H	0.0	-0.1
2342.250000	52.14	---	74.00	21.86	500.0	200.0	V	167.0	0.9
2351.250000	---	41.74	54.00	12.26	500.0	200.0	V	186.0	0.9
2499.500000	58.84	---	74.00	15.16	500.0	200.0	V	83.0	1.3
2586.750000	---	44.64	54.00	9.36	500.0	100.0	V	111.0	1.7

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

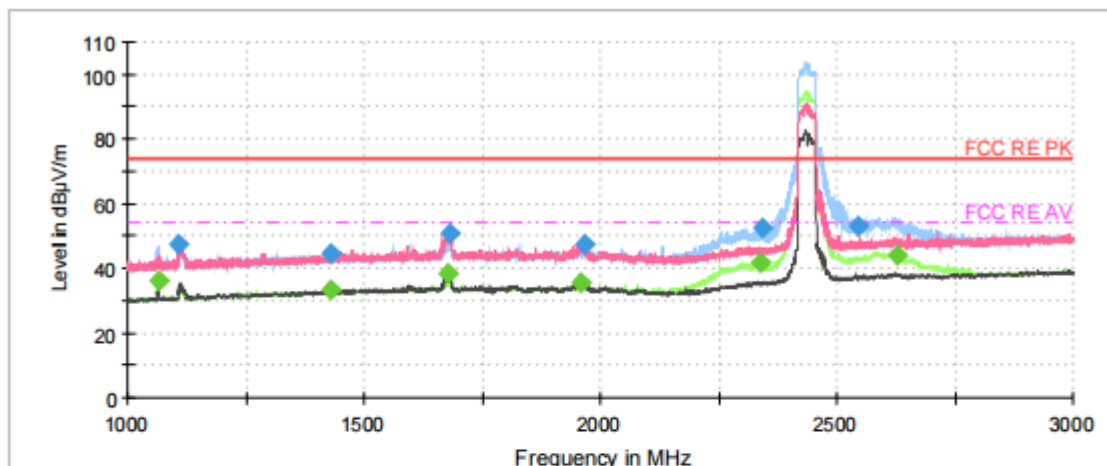


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3185.625000	48.73	---	74.00	25.27	500.0	100.0	V	0.0	-6.6
3187.500000	---	35.13	54.00	18.87	500.0	100.0	V	0.0	-6.6
5311.875000	47.48	---	74.00	26.52	500.0	100.0	V	24.0	-0.8
5317.500000	---	36.68	54.00	17.32	500.0	100.0	V	24.0	-0.8
6378.750000	54.39	---	74.00	19.61	500.0	100.0	V	44.0	0.6
6382.500000	---	42.01	54.00	11.99	500.0	100.0	V	44.0	0.6
7396.875000	---	38.12	54.00	15.88	500.0	100.0	H	81.0	2.0
9836.250000	49.61	---	74.00	24.39	500.0	100.0	V	247.0	3.1
12654.375000	51.24	---	74.00	22.76	500.0	100.0	V	358.0	5.1
12660.000000	---	40.08	54.00	13.92	500.0	200.0	V	91.0	5.1
16471.875000	---	42.11	54.00	11.89	500.0	200.0	H	333.0	7.3
16582.500000	52.61	---	74.00	21.39	500.0	200.0	V	243.0	7.4

Radiates Emission from 3GHz to 18GHz

802.11n (HT40) CH6

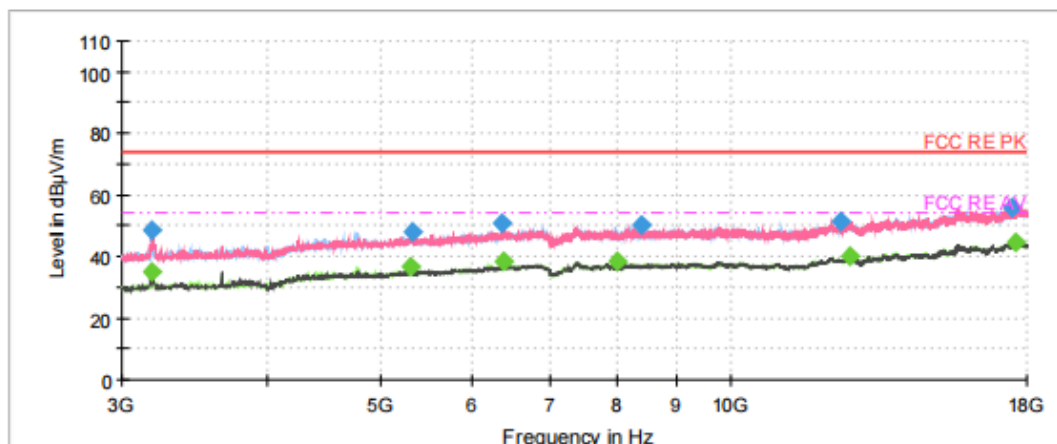


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1065.000000	---	36.09	54.00	17.91	500.0	100.0	H	225.0	-7.2
1108.500000	47.29	---	74.00	26.71	500.0	200.0	V	9.0	-6.9
1430.000000	44.75	---	74.00	29.25	500.0	100.0	V	0.0	-4.2
1430.500000	---	33.14	54.00	20.86	500.0	100.0	V	0.0	-4.2
1679.500000	---	38.12	54.00	15.88	500.0	200.0	V	0.0	-2.3
1682.000000	50.58	---	74.00	23.42	500.0	200.0	V	0.0	-2.3
1960.500000	---	35.45	54.00	18.55	500.0	200.0	V	0.0	-0.1
1968.500000	47.44	---	74.00	26.56	500.0	100.0	V	0.0	-0.1
2338.000000	---	41.48	54.00	12.52	500.0	200.0	H	185.0	0.9
2342.250000	52.29	---	74.00	21.71	500.0	200.0	H	185.0	0.9
2544.750000	53.10	---	74.00	20.90	500.0	200.0	H	71.0	1.5
2628.250000	---	43.97	54.00	10.03	500.0	200.0	H	81.0	1.8

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

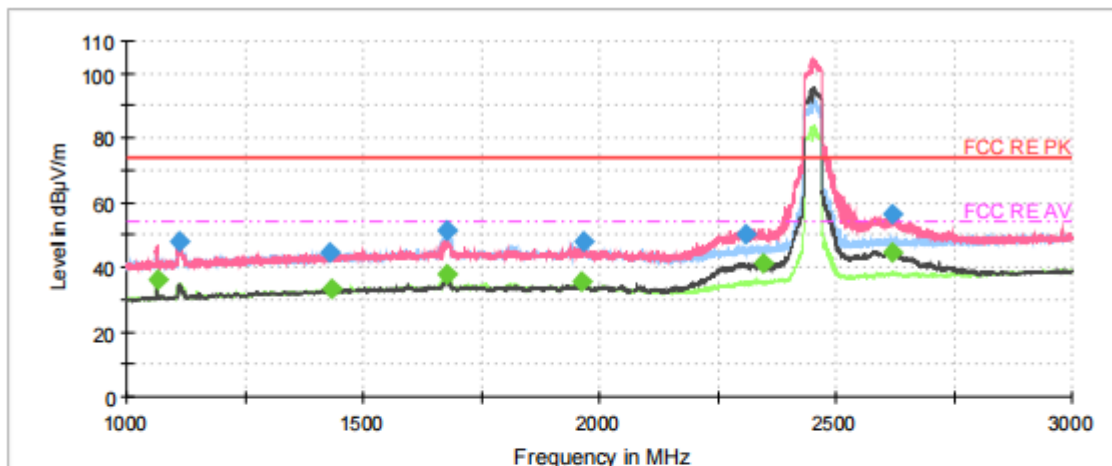


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3181.875000	48.27	---	74.00	25.73	500.0	100.0	H	0.0	-6.6
3185.625000	---	35.07	54.00	18.93	500.0	100.0	H	0.0	-6.6
5319.375000	---	36.86	54.00	17.14	500.0	100.0	H	315.0	-0.8
5325.000000	47.98	---	74.00	26.02	500.0	100.0	H	315.0	-0.8
6365.625000	50.96	---	74.00	23.04	500.0	200.0	H	45.0	0.6
6382.500000	---	38.44	54.00	15.56	500.0	200.0	V	80.0	0.6
7989.375000	---	38.31	54.00	15.69	500.0	100.0	H	201.0	2.0
8398.125000	50.30	---	74.00	23.70	500.0	100.0	H	1.0	2.9
12451.875000	51.33	---	74.00	22.67	500.0	200.0	H	34.0	4.6
12703.125000	---	40.09	54.00	13.91	500.0	200.0	V	111.0	5.1
17463.750000	55.97	---	74.00	18.03	500.0	200.0	H	312.0	9.7
17636.250000	---	44.75	54.00	9.25	500.0	100.0	V	157.0	9.8

Radiates Emission from 3GHz to 18GHz

802.11n (HT40) CH9

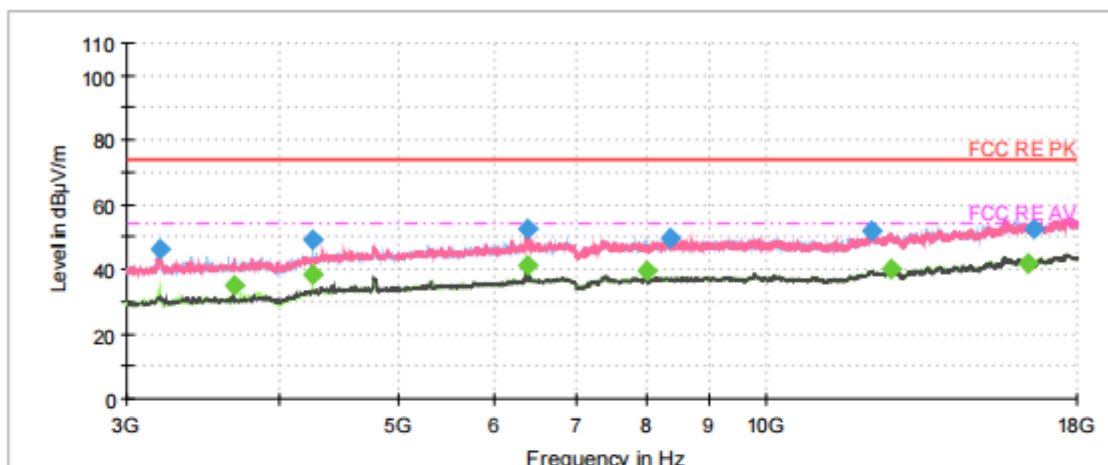


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1064.750000	---	36.14	54.00	17.86	500.0	200.0	V	224.0	-7.2
1111.000000	47.81	---	74.00	26.19	500.0	100.0	H	0.0	-6.8
1428.500000	44.75	---	74.00	29.25	500.0	200.0	H	332.0	-4.2
1432.000000	---	33.05	54.00	20.95	500.0	100.0	H	37.0	-4.2
1677.250000	---	37.69	54.00	16.31	500.0	100.0	H	0.0	-2.4
1679.250000	51.36	---	74.00	22.64	500.0	100.0	H	0.0	-2.3
1963.250000	---	35.76	54.00	18.24	500.0	100.0	H	0.0	-0.1
1967.250000	47.80	---	74.00	26.20	500.0	100.0	H	0.0	-0.1
2311.000000	50.20	---	74.00	23.80	500.0	100.0	V	185.0	0.8
2347.250000	---	40.93	54.00	13.07	500.0	200.0	V	196.0	0.9
2618.250000	---	44.46	54.00	9.54	500.0	100.0	V	81.0	1.8
2619.750000	56.16	---	74.00	17.84	500.0	200.0	V	72.0	1.8

Note: The signal beyond the limit is carrier.

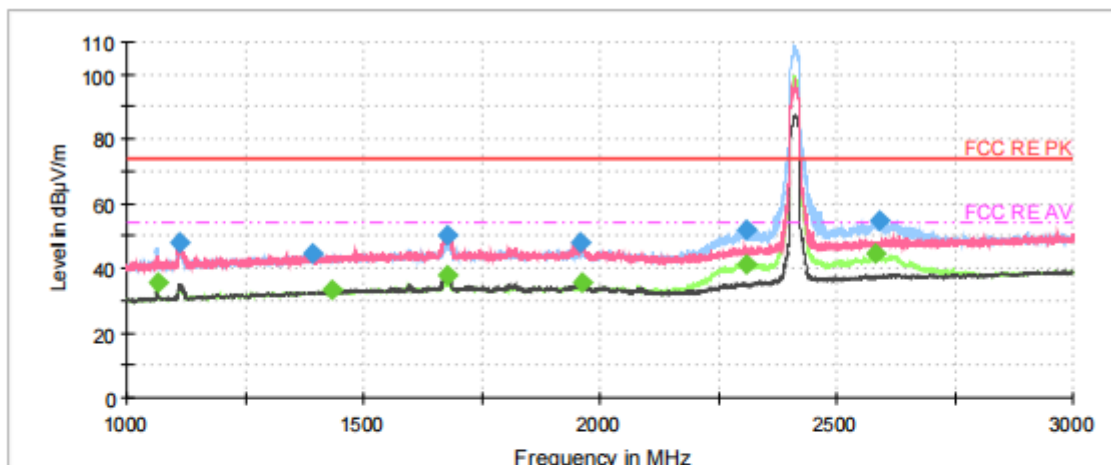
Radiates Emission from 1GHz to 3GHz



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)
3189.375000	46.25	---	74.00	27.75	500.0	100.0	H	0.0	-6.6
3676.875000	---	34.81	54.00	19.19	500.0	100.0	H	92.0	-5.7
4261.875000	---	38.27	54.00	15.73	500.0	200.0	H	34.0	-2.8
4263.750000	49.04	---	74.00	24.96	500.0	200.0	H	34.0	-2.8
6390.000000	---	41.17	54.00	12.83	500.0	100.0	V	24.0	0.7
6395.625000	52.71	---	74.00	21.29	500.0	200.0	H	34.0	0.7
7998.750000	---	39.24	54.00	14.76	500.0	200.0	H	258.0	1.9
8351.250000	49.58	---	74.00	24.42	500.0	100.0	H	72.0	2.9
12243.750000	51.66	---	74.00	22.34	500.0	100.0	V	189.0	4.6
12701.250000	---	40.17	54.00	13.83	500.0	200.0	V	284.0	5.1
16410.000000	---	41.54	54.00	12.46	500.0	200.0	H	238.0	7.2
16606.875000	52.54	---	74.00	21.46	500.0	200.0	V	315.0	7.4

Radiates Emission from 3GHz to 18GHz

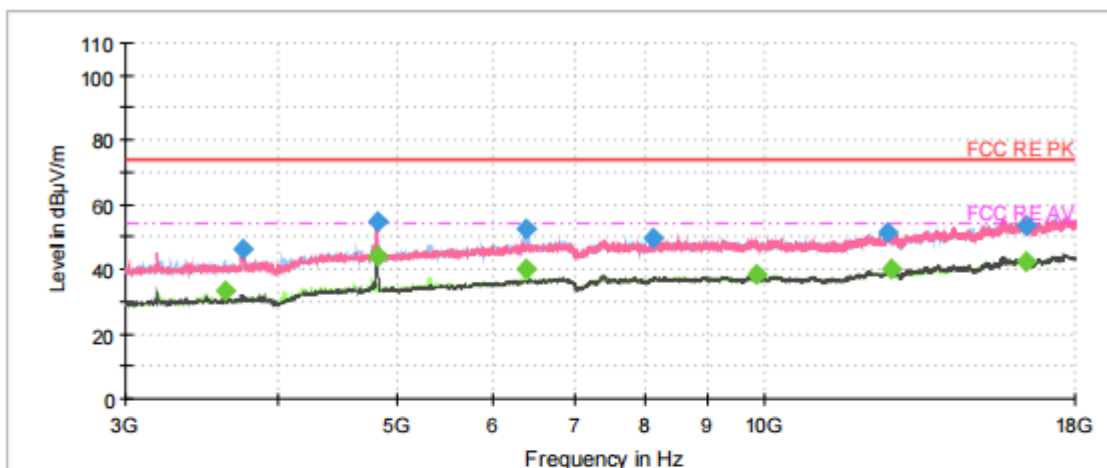


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1065.250000	---	35.66	54.00	18.34	500.0	200.0	H	233.0	-7.2
1110.000000	48.18	---	74.00	25.82	500.0	100.0	V	315.0	-6.8
1393.250000	44.49	---	74.00	29.51	500.0	100.0	V	0.0	-4.5
1433.000000	---	33.35	54.00	20.65	500.0	200.0	V	65.0	-4.2
1676.750000	50.01	---	74.00	23.99	500.0	200.0	V	0.0	-2.4
1678.500000	---	37.91	54.00	16.09	500.0	100.0	V	0.0	-2.4
1960.250000	47.88	---	74.00	26.12	500.0	100.0	V	352.0	-0.1
1963.000000	---	35.71	54.00	18.29	500.0	200.0	V	298.0	-0.1
2310.750000	52.07	---	74.00	21.93	500.0	100.0	H	187.0	0.8
2311.000000	---	41.19	54.00	12.81	500.0	200.0	H	186.0	0.8
2582.500000	---	44.32	54.00	9.68	500.0	100.0	H	74.0	1.7
2589.500000	54.99	---	74.00	19.01	500.0	100.0	H	84.0	1.7

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

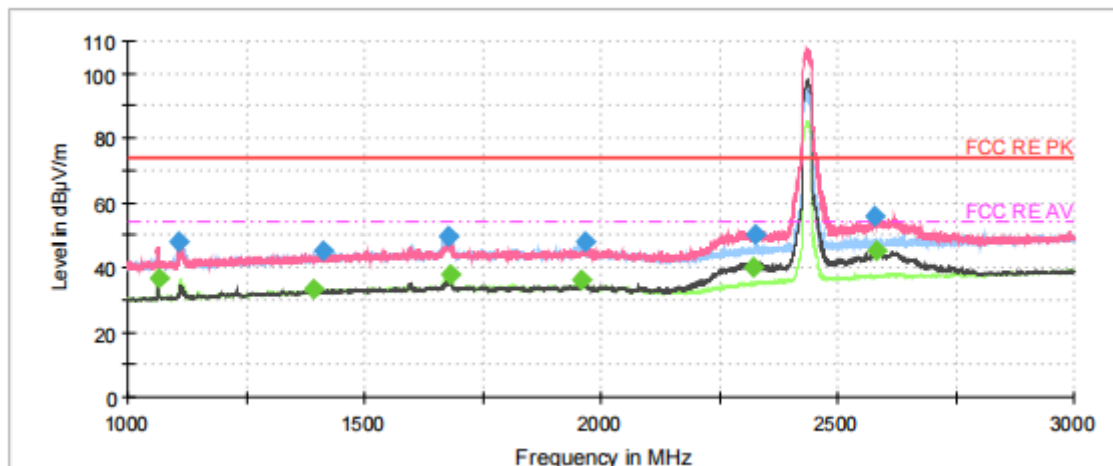


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3616.875000	---	33.50	54.00	20.50	500.0	200.0	H	148.0	-5.8
3744.375000	46.34	---	74.00	27.66	500.0	100.0	V	3.0	-5.5
4820.625000	54.78	---	74.00	19.22	500.0	100.0	V	65.0	-1.6
4820.625000	---	43.86	54.00	10.14	500.0	100.0	V	65.0	-1.6
6388.125000	---	39.97	54.00	14.03	500.0	100.0	H	39.0	0.7
6397.500000	52.31	---	74.00	21.69	500.0	100.0	H	59.0	0.7
8116.875000	49.45	---	74.00	24.55	500.0	200.0	V	70.0	2.5
9864.375000	---	38.26	54.00	15.74	500.0	200.0	H	280.0	3.0
12645.000000	51.25	---	74.00	22.75	500.0	100.0	V	76.0	5.0
12718.125000	---	40.02	54.00	13.98	500.0	100.0	H	130.0	5.1
16389.375000	---	42.35	54.00	11.65	500.0	100.0	H	89.0	7.2
16395.000000	53.52	---	74.00	20.48	500.0	200.0	V	2.0	7.2

Radiates Emission from 3GHz to 18GHz

802.11ax HE20 CH6

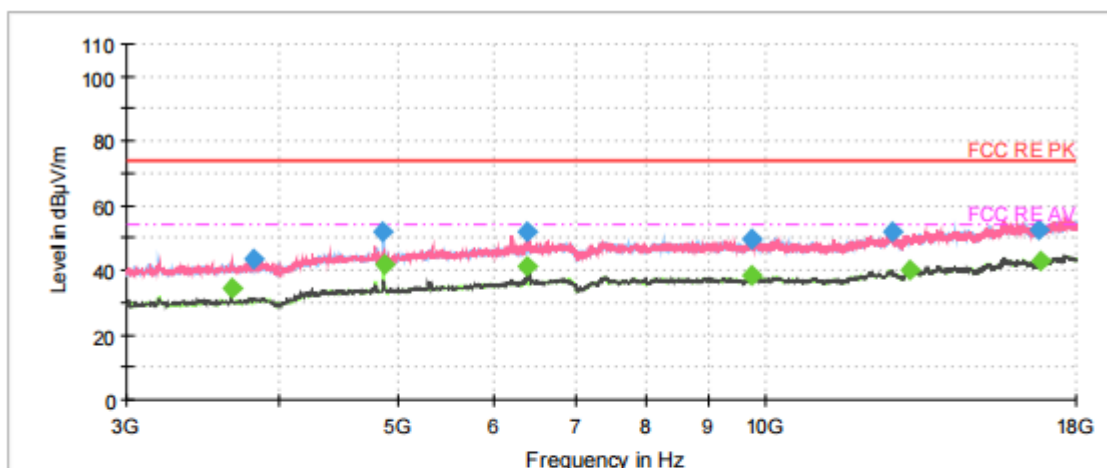


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1065.500000	---	36.49	54.00	17.51	500.0	100.0	V	231.0	-7.2
1109.500000	48.03	---	74.00	25.97	500.0	200.0	H	3.0	-6.9
1393.500000	---	33.24	54.00	20.76	500.0	200.0	H	265.0	-4.5
1414.750000	44.98	---	74.00	29.02	500.0	100.0	V	314.0	-4.3
1679.000000	49.83	---	74.00	24.17	500.0	100.0	H	0.0	-2.3
1680.500000	---	38.01	54.00	15.99	500.0	100.0	H	0.0	-2.3
1960.500000	---	35.83	54.00	18.18	500.0	200.0	H	0.0	-0.1
1965.000000	47.94	---	74.00	26.06	500.0	100.0	H	0.0	-0.1
2321.750000	---	40.22	54.00	13.78	500.0	100.0	V	184.0	0.8
2328.500000	50.26	---	74.00	23.74	500.0	100.0	V	184.0	0.9
2580.500000	55.93	---	74.00	18.07	500.0	200.0	V	83.0	1.7
2583.250000	---	45.05	54.00	8.95	500.0	100.0	V	80.0	1.7

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

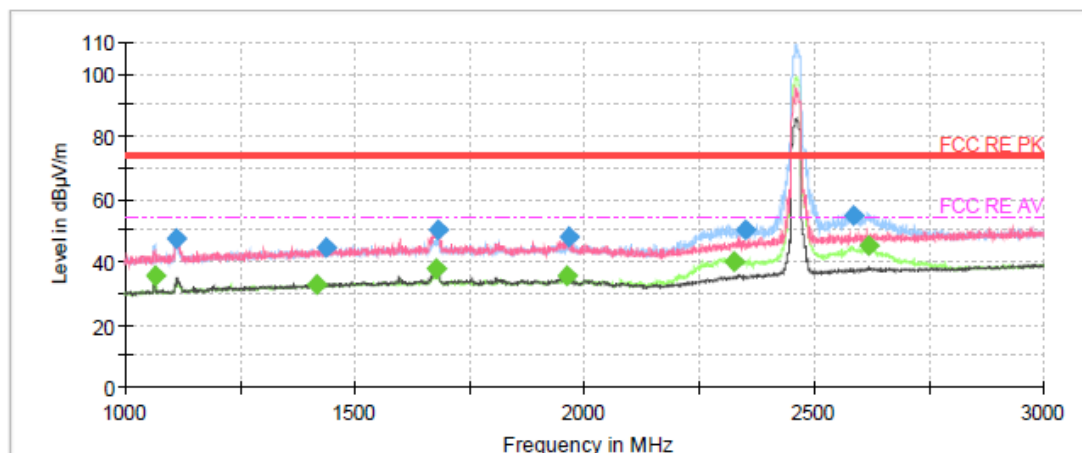


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3654.375000	---	34.49	54.00	19.51	500.0	200.0	V	117.0	-5.7
3815.625000	43.47	---	74.00	30.53	500.0	200.0	V	76.0	-5.1
4871.250000	51.84	---	74.00	22.16	500.0	200.0	H	76.0	-1.6
4873.125000	---	41.98	54.00	12.02	500.0	200.0	H	86.0	-1.6
6393.750000	---	41.19	54.00	12.81	500.0	100.0	V	55.0	0.7
6393.750000	52.11	---	74.00	21.89	500.0	100.0	V	55.0	0.7
9748.125000	---	38.10	54.00	15.90	500.0	200.0	V	0.0	3.2
9763.125000	49.83	---	74.00	24.17	500.0	200.0	V	209.0	3.2
12712.500000	51.72	---	74.00	22.28	500.0	100.0	H	2.0	5.1
13158.750000	---	39.98	54.00	14.02	500.0	200.0	V	56.0	5.0
16800.000000	52.71	---	74.00	21.29	500.0	200.0	V	117.0	7.7
16873.125000	---	42.94	54.00	11.06	500.0	100.0	H	42.0	7.9

Radiates Emission from 3GHz to 18GHz

802.11ax HE20 CH6

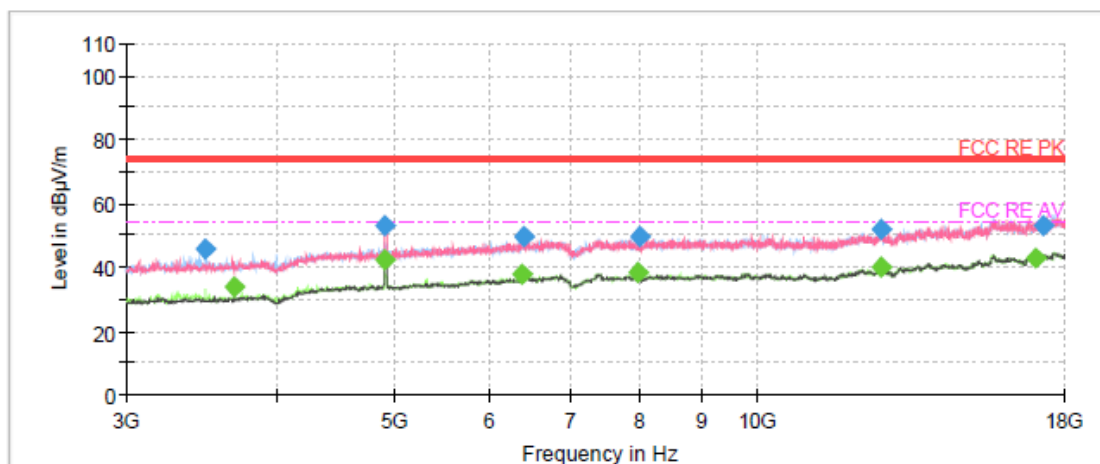


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1065.250000	---	35.76	54.00	18.24	500.0	100.0	H	235.0	-7.2
1111.500000	47.50	---	74.00	26.50	500.0	100.0	V	0.0	-6.8
1419.000000	---	32.93	54.00	21.07	500.0	100.0	V	136.0	-4.3
1439.000000	44.48	---	74.00	29.52	500.0	200.0	V	113.0	-4.1
1678.000000	---	38.03	54.00	15.97	500.0	100.0	V	358.0	-2.4
1683.750000	50.06	---	74.00	23.94	500.0	200.0	V	0.0	-2.3
1960.750000	---	35.60	54.00	18.40	500.0	200.0	V	0.0	-0.1
1967.000000	47.71	---	74.00	26.29	500.0	100.0	V	0.0	-0.1
2324.500000	---	40.32	54.00	13.68	500.0	200.0	H	184.0	0.9
2352.250000	50.03	---	74.00	23.97	500.0	100.0	H	197.0	0.9
2587.250000	54.59	---	74.00	19.41	500.0	200.0	H	99.0	1.7
2619.000000	---	45.14	54.00	8.86	500.0	200.0	H	61.0	1.8

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)
3495.000000	45.90	---	74.00	28.10	500.0	200.0	H	35.0	-5.9
3691.875000	---	33.82	54.00	20.18	500.0	200.0	H	170.0	-5.7
4923.750000	53.04	---	74.00	20.96	500.0	200.0	V	77.0	-1.5
4923.750000	---	42.19	54.00	11.81	500.0	200.0	V	77.0	-1.5
6386.250000	---	37.81	54.00	16.19	500.0	100.0	H	100.0	0.7
6406.875000	49.75	---	74.00	24.25	500.0	200.0	H	211.0	0.7
7983.750000	---	38.31	54.00	15.69	500.0	200.0	H	252.0	2.0
7995.000000	49.47	---	74.00	24.53	500.0	200.0	V	0.0	1.9
12663.750000	---	39.94	54.00	14.06	500.0	200.0	H	353.0	5.1
12675.000000	51.66	---	74.00	22.34	500.0	100.0	V	351.0	5.1
17023.125000	---	42.74	54.00	11.26	500.0	100.0	H	253.0	8.3
17283.750000	53.07	---	74.00	20.93	500.0	200.0	H	344.0	9.3

Radiates Emission from 3GHz to 18GHz

1.2. Bluetooth LE

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

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.

Remark:

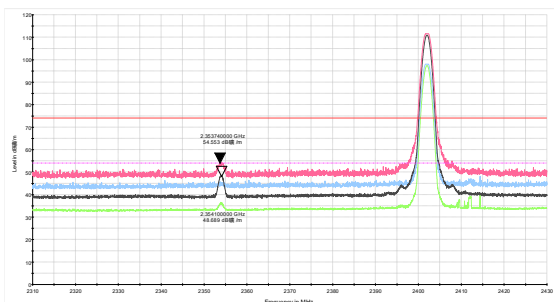
PK Level @Spectrum Overview H

PK Level @Spectrum Overview V

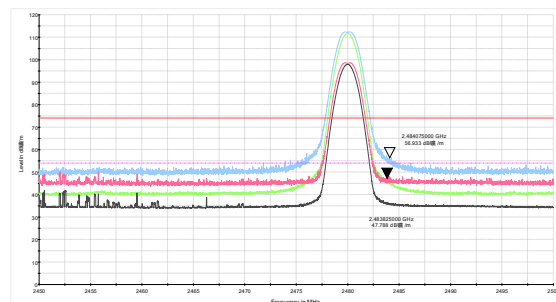
AVG Level @Spectrum Overview H

AVG Level @Spectrum Overview V

After the pretest, Bluetooth LE (S=8) was selected as the worst Mode for Bluetooth LE.



Bluetooth LE (S=8) Channel 0 Peak+ Average



Bluetooth LE (S=8) 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. **The following graphs display the maximum values of horizontal and vertical by software.**
4. **For below 1GHz**

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

For above 1GHz

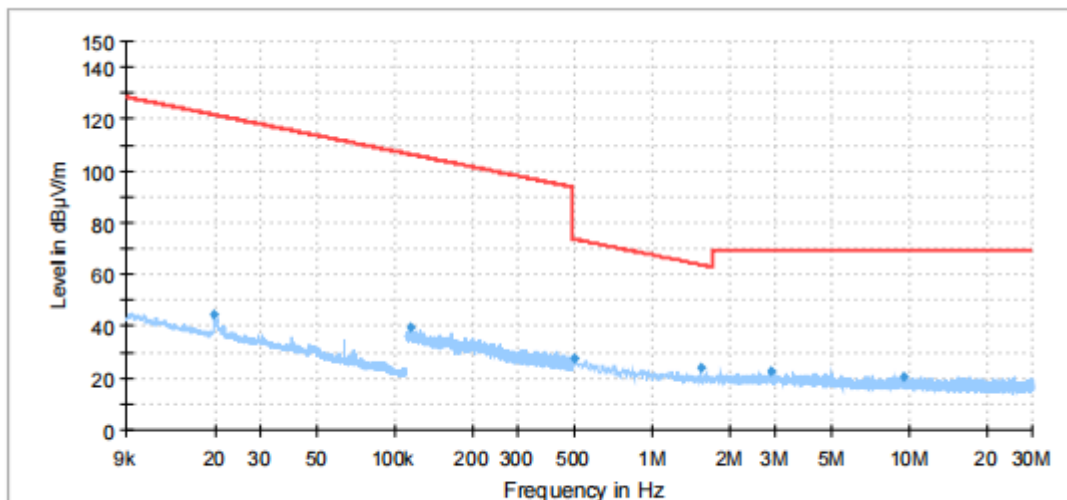
 PK Level @Spectrum Overview H
  PK Level @Spectrum Overview V
  PK Level @Final Results
  PK Limit

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

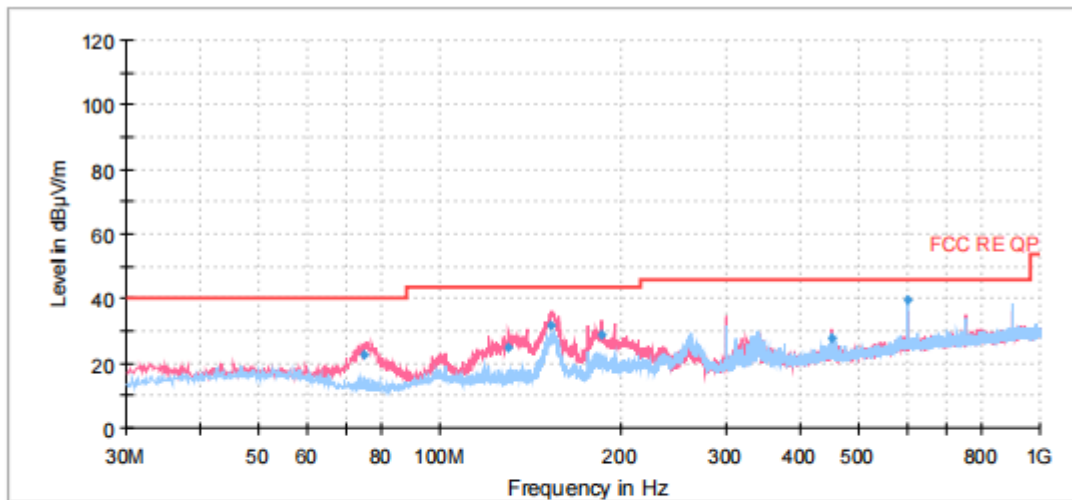
Continuous TX mode:

After the pretest, Bluetooth LE (S=8) was selected as the worst Mode for Bluetooth LE.

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 (Bluetooth LE (S=8) -Channel 0) condition was recorded in this report.



Radiates Emission from 9kHz to 30MHz

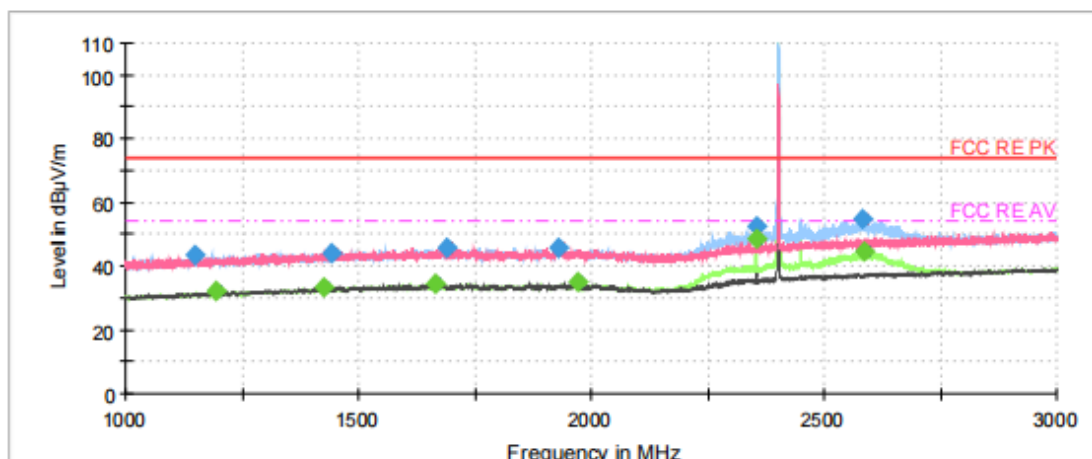


Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
74.87	22.42	40.00	17.58	1000.00	100.0	V	114.00	15
130.19	25.17	43.50	18.33	1000.00	100.0	V	204.00	16
153.51	31.95	43.50	11.55	1000.00	100.0	V	250.00	15
186.01	29.14	43.50	14.36	1000.00	100.0	V	68.00	17
449.97	27.46	46.00	18.54	1000.00	100.0	V	21.00	24
600.00	39.80	46.00	6.20	1000.00	108.0	H	182.00	27

Radiates Emission from 30MHz to 1GHz

Bluetooth LE (S=8) -Channel 0

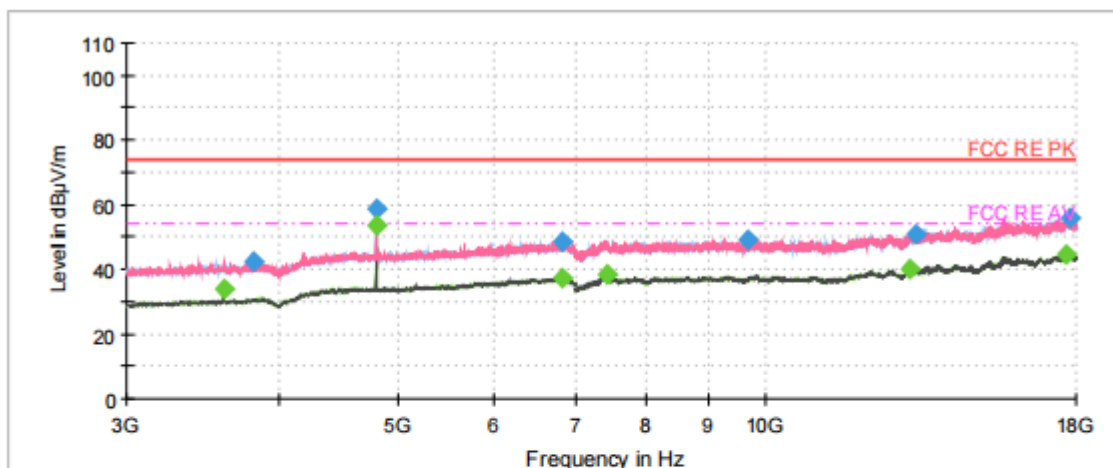


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1148.250000	43.50	---	74.00	30.50	500.0	200.0	H	257.0	-6.5
1192.750000	---	31.89	54.00	22.11	500.0	200.0	H	0.0	-6.1
1425.750000	---	33.19	54.00	20.81	500.0	200.0	H	89.0	-4.2
1441.000000	44.26	---	74.00	29.74	500.0	200.0	V	23.0	-4.1
1666.750000	---	34.35	54.00	19.65	500.0	200.0	V	226.0	-2.4
1689.500000	45.78	---	74.00	28.22	500.0	200.0	V	134.0	-2.3
1931.750000	45.79	---	74.00	28.21	500.0	200.0	V	5.0	-0.4
1973.000000	---	34.79	54.00	19.21	500.0	200.0	H	302.0	-0.1
2354.000000	---	48.27	54.00	5.73	500.0	200.0	H	136.0	0.9
2354.750000	52.37	---	74.00	21.63	500.0	200.0	H	136.0	0.9
2582.500000	54.71	---	74.00	19.29	500.0	200.0	H	136.0	1.7
2586.750000	---	44.59	54.00	9.41	500.0	200.0	H	136.0	1.7

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

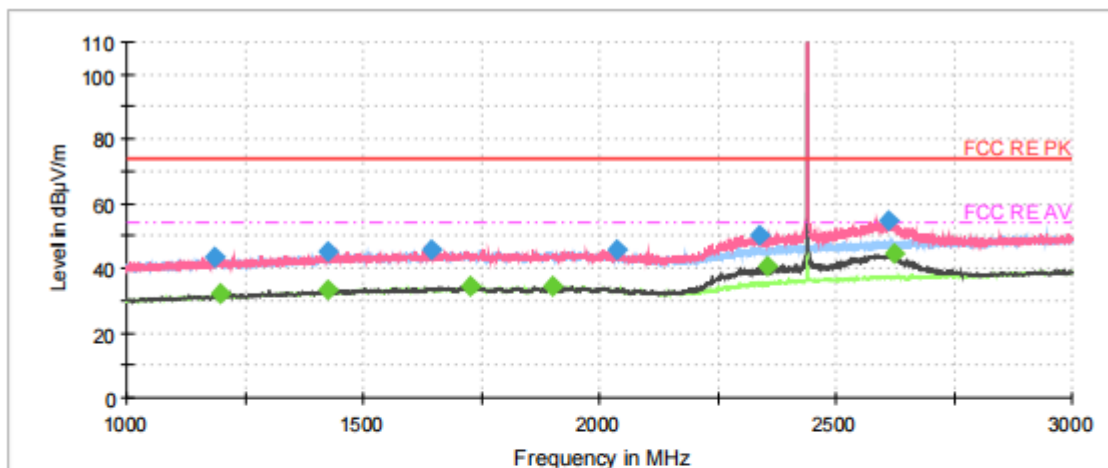


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3601.875000	---	33.76	54.00	20.24	500.0	200.0	V	195.0	-5.8
3813.750000	42.31	---	74.00	31.69	500.0	100.0	V	245.0	-5.1
4801.875000	58.53	---	74.00	15.47	500.0	200.0	H	123.0	-1.6
4803.750000	---	53.38	54.00	0.62	500.0	200.0	H	143.0	-1.6
6821.250000	---	37.41	54.00	16.59	500.0	100.0	V	3.0	1.1
6823.125000	48.69	---	74.00	25.31	500.0	200.0	V	0.0	1.1
7419.375000	---	38.15	54.00	15.85	500.0	200.0	H	84.0	2.0
9680.625000	49.31	---	74.00	24.69	500.0	100.0	H	143.0	3.0
13164.375000	---	40.16	54.00	13.84	500.0	200.0	V	114.0	5.0
13280.625000	51.05	---	74.00	22.95	500.0	100.0	H	84.0	5.3
17649.375000	---	44.78	54.00	9.22	500.0	200.0	H	254.0	9.8
17788.125000	55.61	---	74.00	18.39	500.0	200.0	V	195.0	10.0

Radiates Emission from 3GHz to 18GHz

Bluetooth LE (S=8) -Channel 19

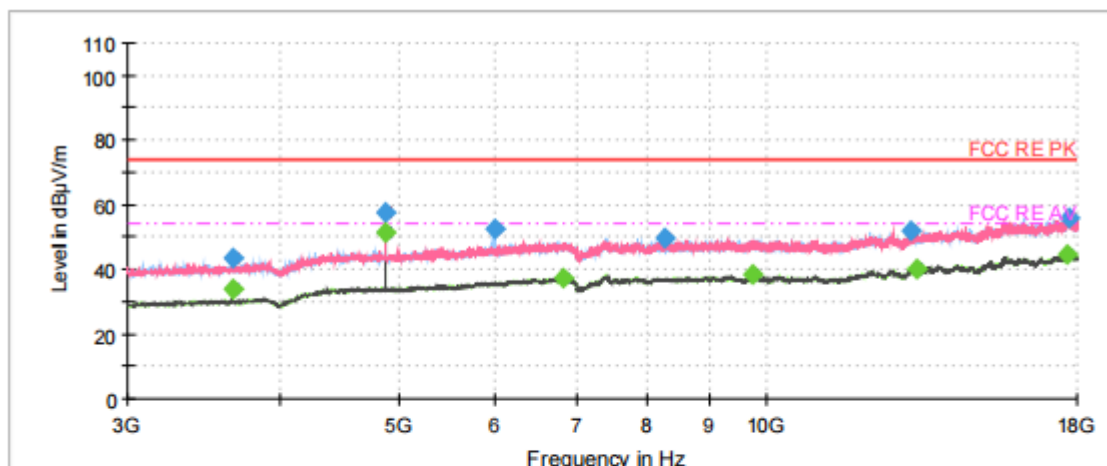


Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1184.000000	43.58	---	74.00	30.42	500.0	200.0	V	0.0	-6.2
1197.000000	---	31.93	54.00	22.07	500.0	200.0	H	161.0	-6.1
1425.500000	---	33.32	54.00	20.68	500.0	100.0	H	217.0	-4.2
1426.500000	45.02	---	74.00	28.98	500.0	200.0	H	235.0	-4.2
1644.000000	45.45	---	74.00	28.55	500.0	100.0	V	254.0	-2.6
1727.000000	---	34.27	54.00	19.73	500.0	200.0	V	315.0	-2.0
1899.000000	---	34.38	54.00	19.62	500.0	200.0	H	263.0	-0.7
2035.250000	45.80	---	74.00	28.20	500.0	100.0	H	336.0	0.1
2339.750000	50.01	---	74.00	23.99	500.0	200.0	V	140.0	0.9
2356.000000	---	40.36	54.00	13.64	500.0	200.0	V	140.0	1.0
2612.000000	54.54	---	74.00	19.46	500.0	100.0	V	140.0	1.8
2623.500000	---	44.33	54.00	9.67	500.0	200.0	V	150.0	1.8

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

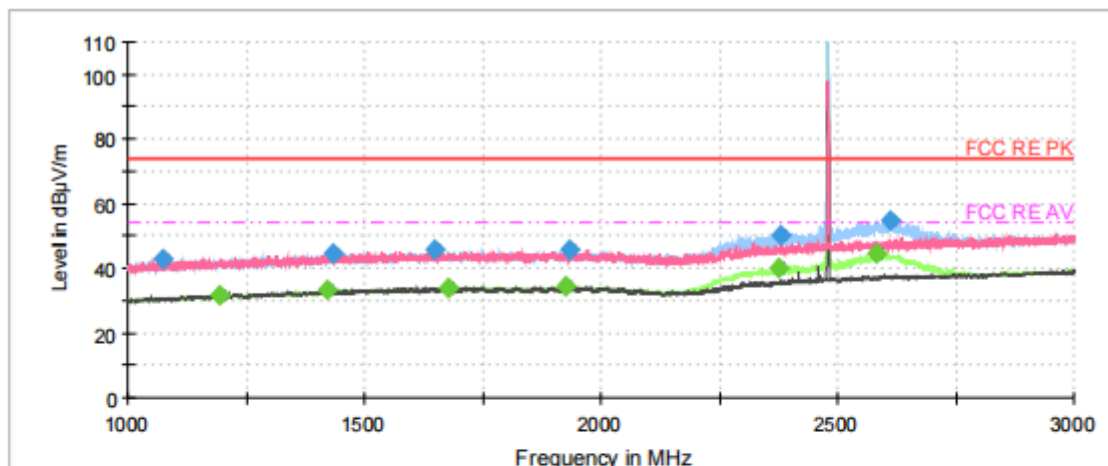


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3660.000000	43.53	---	74.00	30.47	500.0	100.0	H	194.0	-5.7
3660.000000	---	33.80	54.00	20.20	500.0	200.0	H	194.0	-5.7
4878.750000	---	51.41	54.00	2.59	500.0	200.0	V	116.0	-1.6
4880.625000	57.74	---	74.00	16.26	500.0	100.0	V	116.0	-1.6
5994.375000	52.38	---	74.00	21.63	500.0	200.0	H	0.0	-0.1
6826.875000	---	37.20	54.00	16.81	500.0	200.0	H	134.0	1.1
8278.125000	49.58	---	74.00	24.42	500.0	100.0	V	322.0	2.8
9759.375000	---	38.35	54.00	15.65	500.0	200.0	H	144.0	3.2
13160.625000	51.99	---	74.00	22.01	500.0	100.0	V	311.0	5.0
13312.500000	---	40.10	54.00	13.90	500.0	200.0	H	94.0	5.3
17701.875000	---	44.60	54.00	9.40	500.0	100.0	H	235.0	9.8
17726.250000	56.00	---	74.00	18.00	500.0	200.0	H	155.0	9.9

Radiates Emission from 3GHz to 18GHz

Bluetooth LE (S=8) -Channel 39

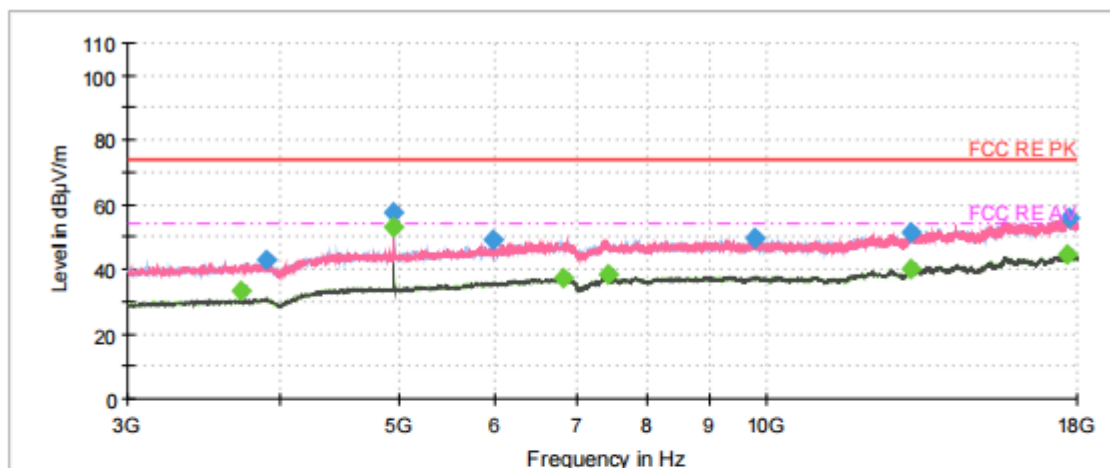


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1073.000000	43.01	---	74.00	30.99	500.0	200.0	H	355.0	-7.2
1195.750000	---	31.78	54.00	22.22	500.0	100.0	H	115.0	-6.1
1423.250000	---	33.16	54.00	20.84	500.0	200.0	V	282.0	-4.3
1433.000000	44.47	---	74.00	29.53	500.0	100.0	V	199.0	-4.2
1650.000000	45.55	---	74.00	28.45	500.0	200.0	H	346.0	-2.5
1677.750000	---	34.11	54.00	19.89	500.0	200.0	V	153.0	-2.4
1926.500000	---	34.58	54.00	19.42	500.0	100.0	H	190.0	-0.4
1935.250000	45.60	---	74.00	28.40	500.0	200.0	V	245.0	-0.4
2375.500000	---	40.30	54.00	13.70	500.0	200.0	H	134.0	1.0
2378.750000	50.12	---	74.00	23.88	500.0	100.0	H	162.0	1.0
2582.250000	---	44.51	54.00	9.49	500.0	200.0	H	134.0	1.7
2613.500000	55.00	---	74.00	19.00	500.0	100.0	H	144.0	1.8

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



Final Result

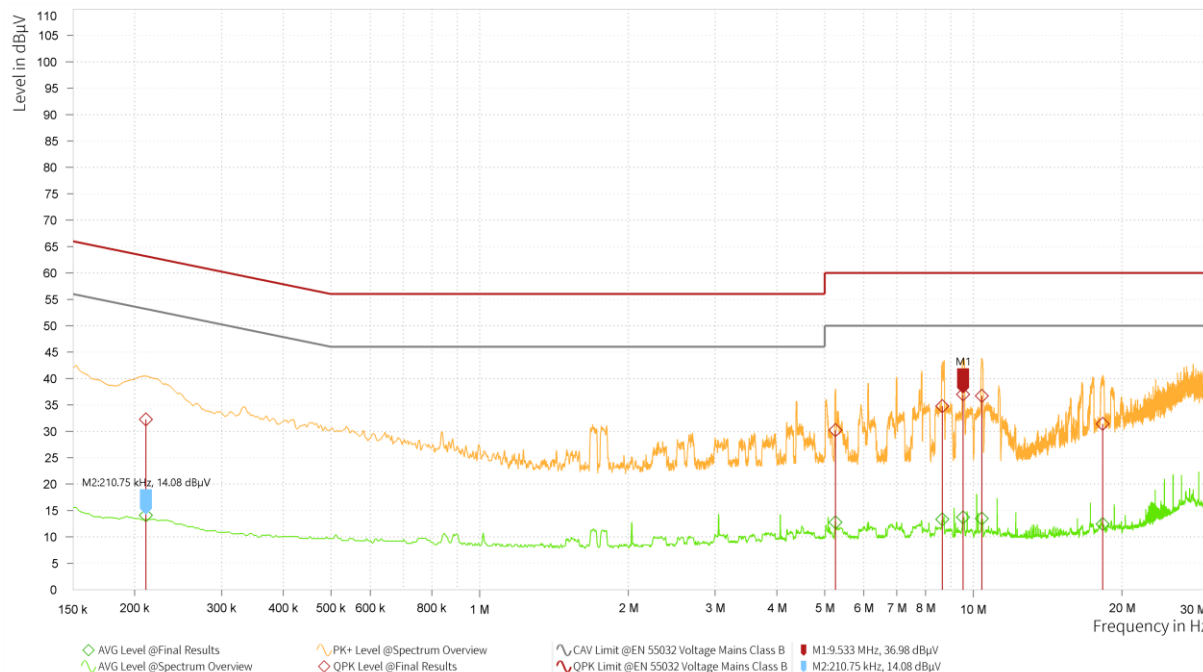
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3720.000000	---	33.06	54.00	20.94	500.0	100.0	V	206.0	-5.6
3896.250000	42.68	---	74.00	31.32	500.0	200.0	H	94.0	-4.9
4959.375000	---	52.83	54.00	1.17	500.0	200.0	H	104.0	-1.5
4959.375000	57.44	---	74.00	16.56	500.0	200.0	H	104.0	-1.5
5979.375000	49.33	---	74.00	24.67	500.0	100.0	V	347.0	-0.1
6813.750000	---	37.38	54.00	16.62	500.0	200.0	H	134.0	1.1
7421.250000	---	38.09	54.00	15.91	500.0	200.0	H	246.0	2.0
9810.000000	49.59	---	74.00	24.41	500.0	100.0	H	165.0	3.2
13153.125000	---	40.03	54.00	13.97	500.0	200.0	H	52.0	4.9
13164.375000	51.11	---	74.00	22.89	500.0	100.0	H	226.0	5.0
17658.750000	---	44.74	54.00	9.26	500.0	200.0	H	195.0	9.8
17718.750000	56.06	---	74.00	17.94	500.0	200.0	H	114.0	9.9

Radiates Emission from 3GHz to 18GHz

2. Conducted Emission

2.1. Wi-Fi 2.4GHz

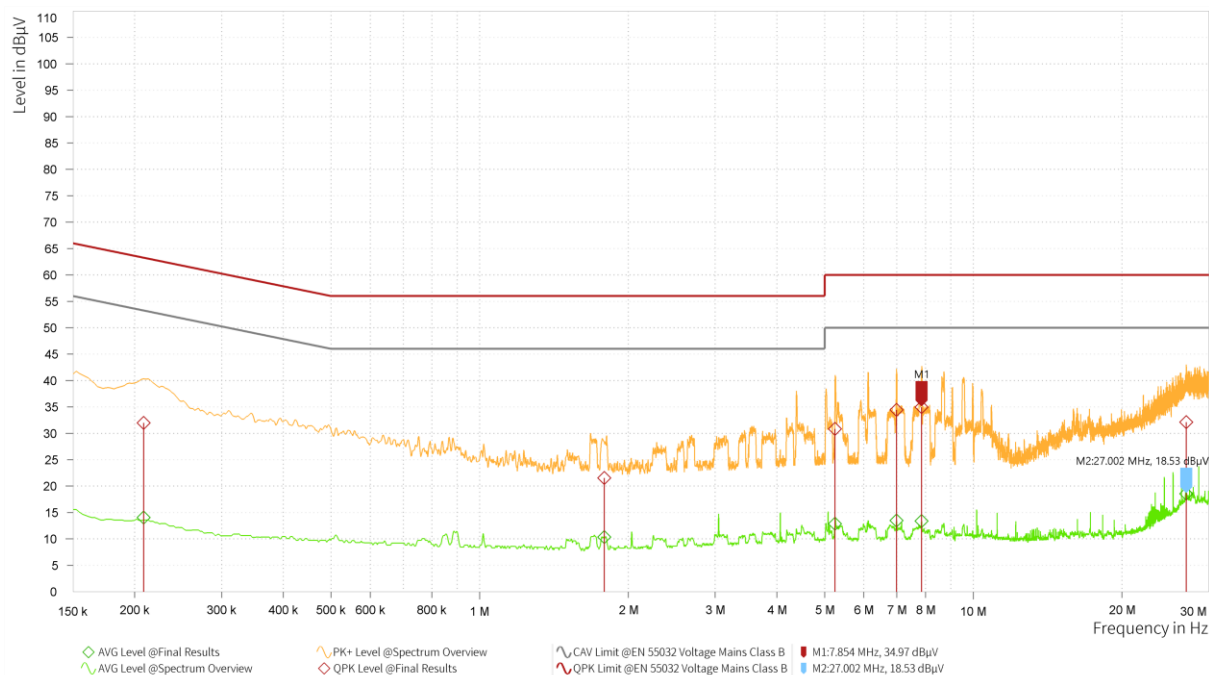
During the test, the Conducted Emission was performed in all modes with all channel. The test data of the worst-case (802.11b CH6) condition was recorded in this report.



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]
0.211	32.26	63.18	30.92	14.08	53.18	39.10	21.01	L1	9.000	1.000
5.260	30.24	60.00	29.76	12.74	50.00	37.26	19.40	L1	9.000	1.000
8.651	34.75	60.00	25.25	13.35	50.00	36.65	19.41	L1	9.000	1.000
9.533	36.98	60.00	23.02	13.70	50.00	36.30	19.41	L1	9.000	1.000
10.401	36.72	60.00	23.28	13.49	50.00	36.51	19.42	L1	9.000	1.000
18.278	31.38	60.00	28.62	12.43	50.00	37.57	19.60	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]
0.209	31.99	63.26	31.27	14.06	53.26	39.21	21.02	N	9.000	1.000
1.788	21.55	56.00	34.45	10.36	46.00	35.64	19.73	N	9.000	1.000
5.246	30.82	60.00	29.18	12.83	50.00	37.17	19.41	N	9.000	1.000
6.988	34.44	60.00	25.56	13.46	50.00	36.54	19.41	N	9.000	1.000
7.854	34.97	60.00	25.03	13.38	50.00	36.62	19.41	N	9.000	1.000
27.002	32.09	60.00	27.91	18.53	50.00	31.47	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

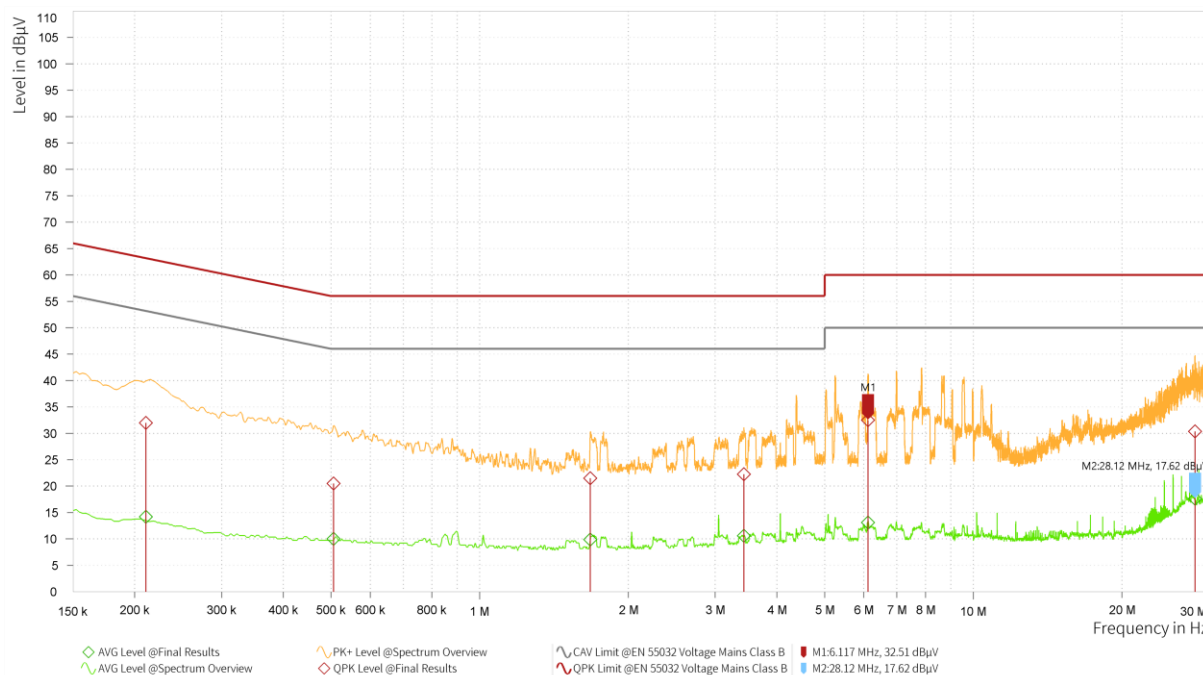
During the test, the Conducted Emission was performed in all modes with all channels. The test data of the worst-case (Bluetooth LE (S=8) -Channel 0) condition was recorded in this report.



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]
0.215	31.76	63.00	31.24	13.85	53.00	39.15	21.00	L1	9.000	1.000
0.449	21.57	56.89	35.32	10.18	46.89	36.71	20.83	L1	9.000	1.000
1.694	22.23	56.00	33.77	10.74	46.00	35.26	19.75	L1	9.000	1.000
4.378	29.98	56.00	26.02	11.71	46.00	34.29	19.41	L1	9.000	1.000
7.847	33.16	60.00	26.84	12.99	50.00	37.01	19.41	L1	9.000	1.000
26.927	31.90	60.00	28.10	18.70	50.00	31.30	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: CAV Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.211	31.98	63.18	31.20	14.18	53.18	38.99	21.02	N	9.000	1.000
0.506	20.47	56.00	35.53	10.01	46.00	35.99	20.78	N	9.000	1.000
1.676	21.48	56.00	34.52	9.87	46.00	36.13	19.77	N	9.000	1.000
3.431	22.27	56.00	33.73	10.57	46.00	35.43	19.46	N	9.000	1.000
6.117	32.51	60.00	27.49	13.11	50.00	36.89	19.41	N	9.000	1.000
28.120	30.36	60.00	29.64	17.62	50.00	32.38	19.88	N	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 kHz to 30 MHz