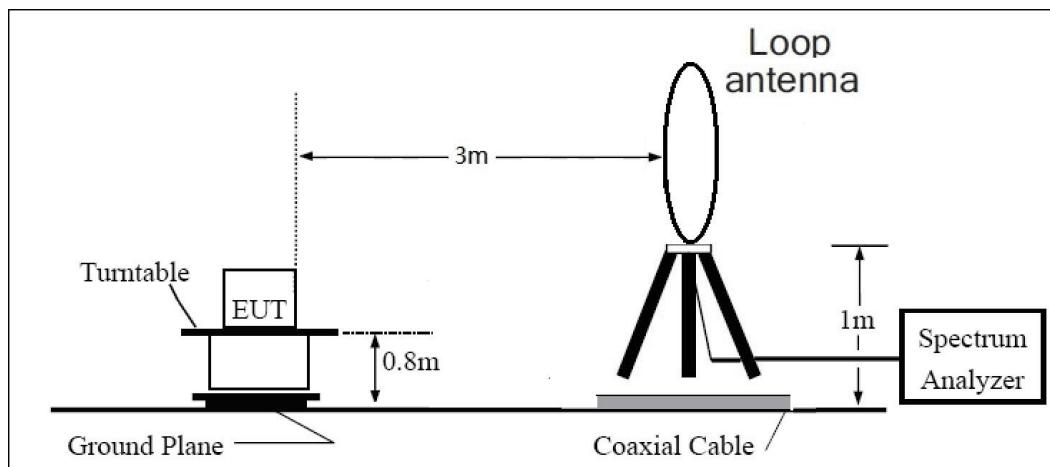
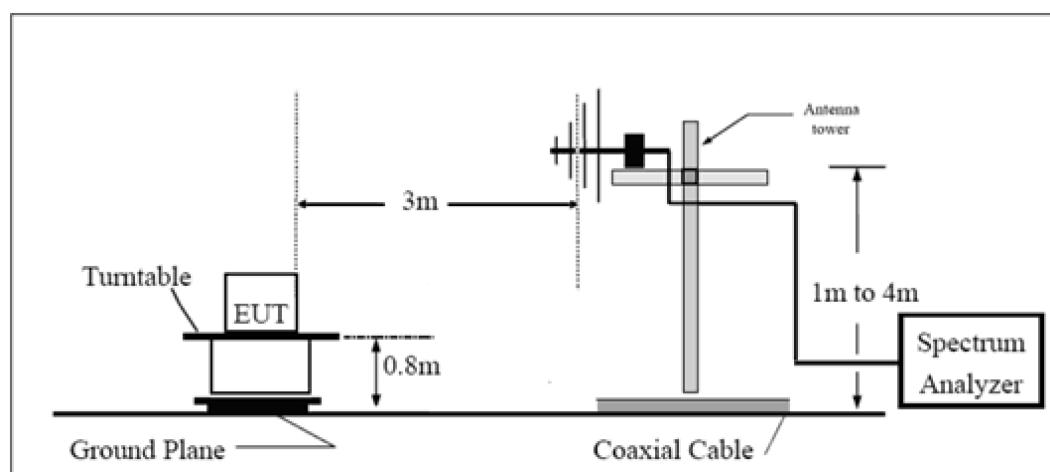
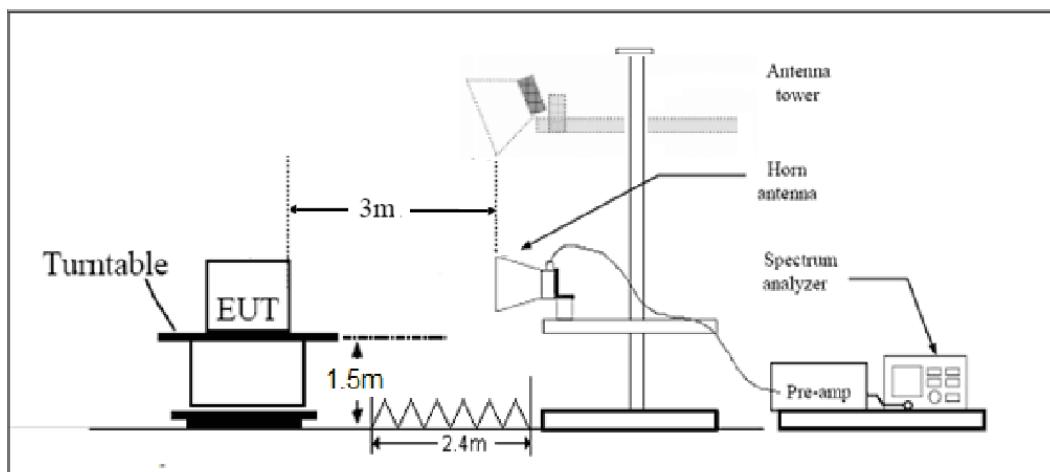


Test Setup
9kHz~ 30MHz

30MHz~ 1GHz

Above 1GHz


Note: Area side:2.4mX3.6m

Limits

Rule Part 15.247(d) specifies that “In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).”

Limit in restricted band

Frequency of emission (MHz)	Field strength(μ V/m)	Field strength(dB μ V/m)
0.009–0.490	2400/F(kHz)	/
0.490–1.705	24000/F(kHz)	/
1.705–30.0	30	/
30-88	100	40
88-216	150	43.5
216-960	200	46
Above960	500	54

§15.35(b)

There is also a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

Peak Limit=74 dB μ V/m

Average Limit=54 dB μ V/m

Spurious Radiated Emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 1.96$.

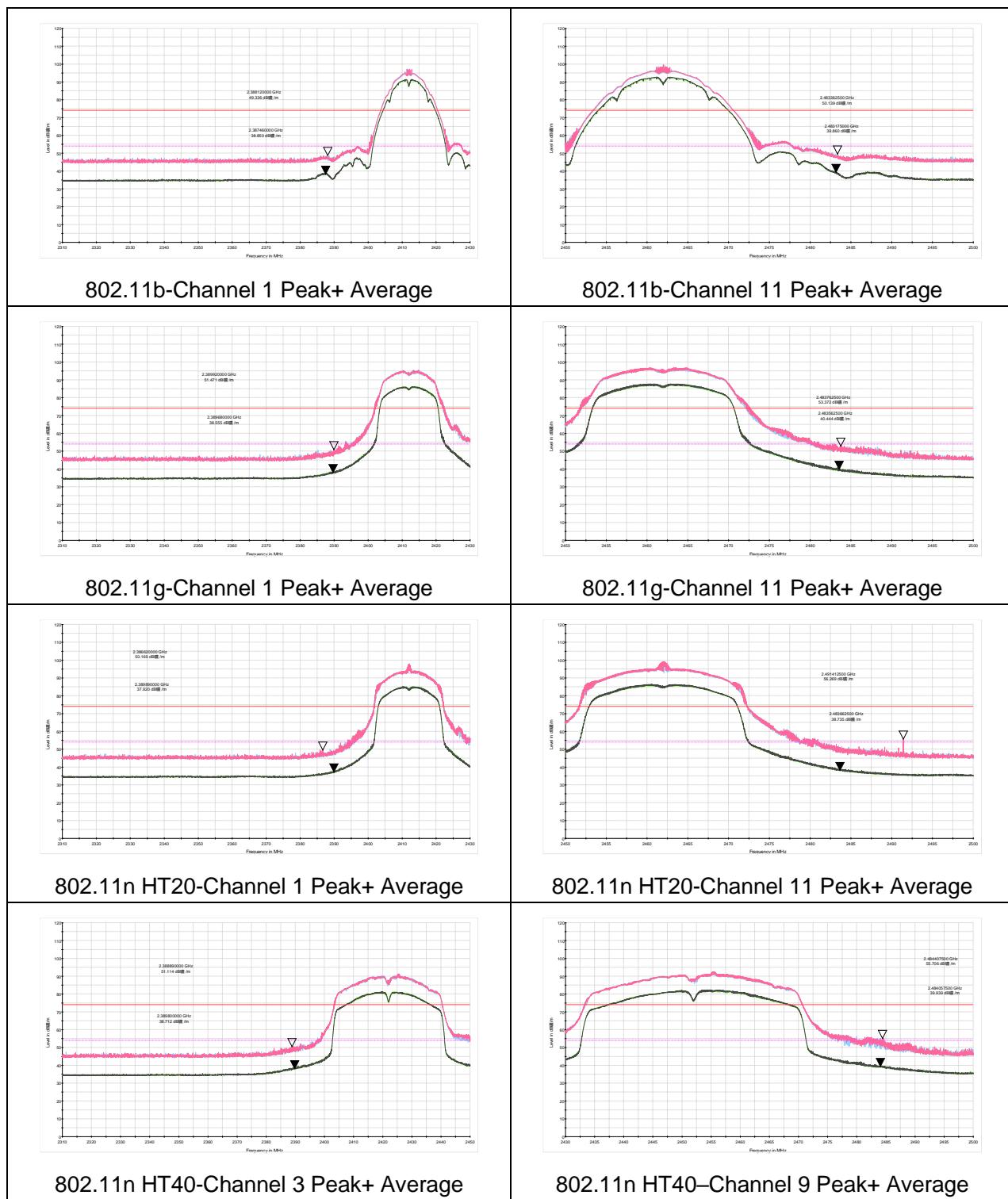
Frequency	Uncertainty
9kHz-30MHz	3.55 dB
30MHz-200MHz	4.17 dB
200MHz-1GHz	4.84 dB
1-18GHz	4.35 dB
18-26.5GHz	5.90 dB
26.5GHz~40GHz	5.92 dB

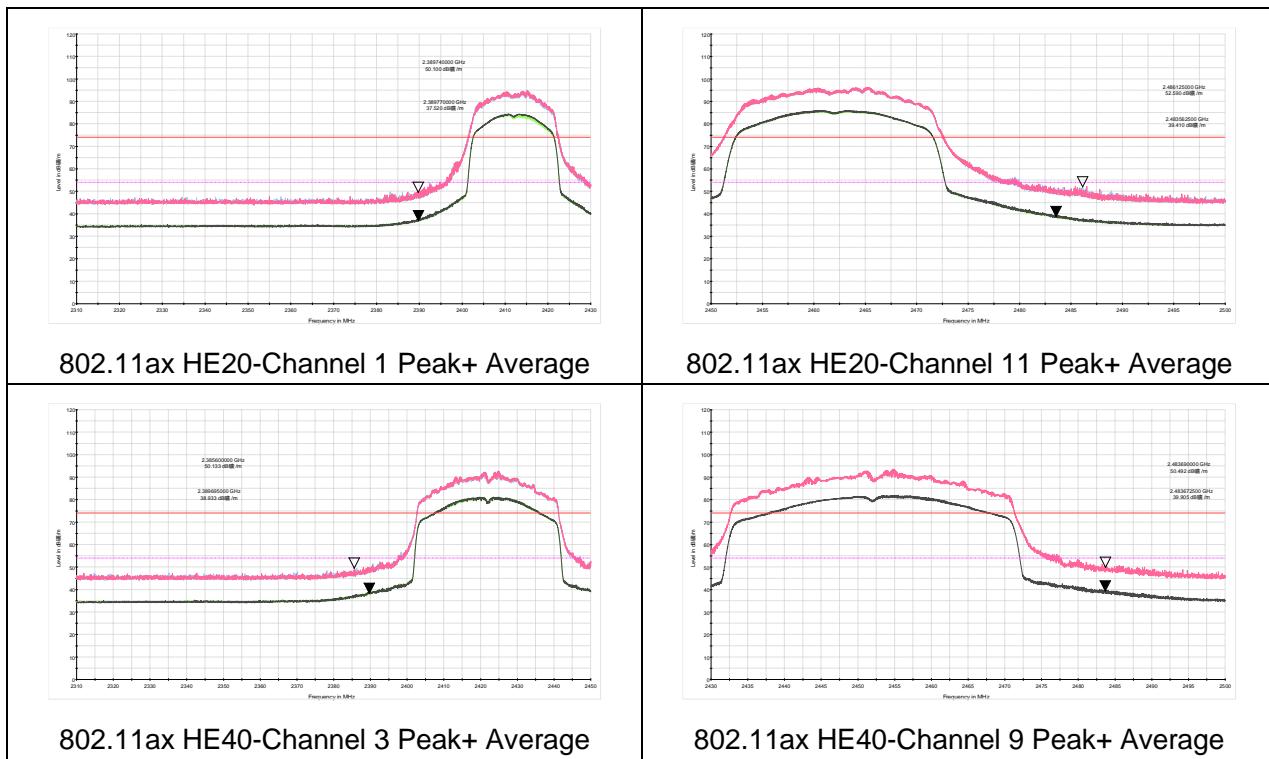
Test Results:

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

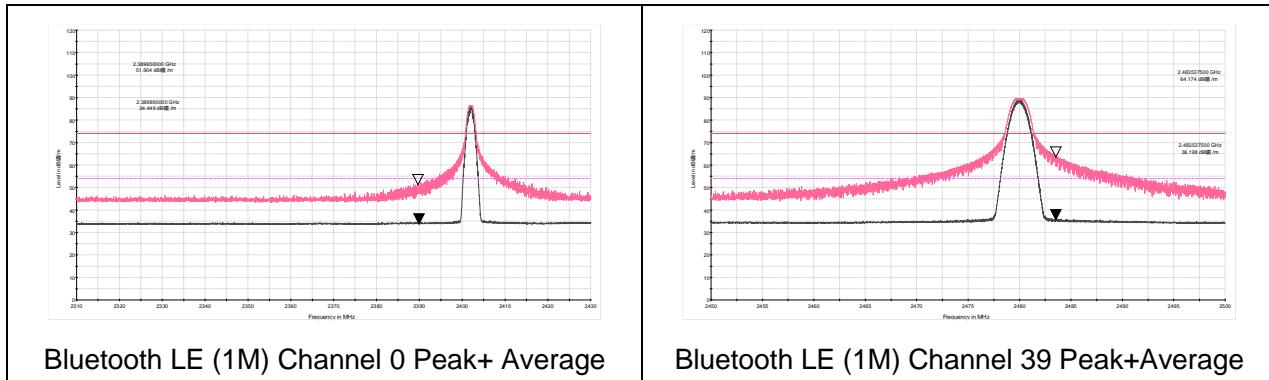
Blue trace uses the peak detection, Green trace uses the average detection.

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





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



Result of RE
Test result

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

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

For above 1GHz, Blue trace uses the peak detection, Green trace uses the average detection.

Continuous TX mode:
Remark:

1. **Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**
2. **Margin = Limit – Quasi-Peak/ MAX Peak/ Average**
3. **For below 1GHz**

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

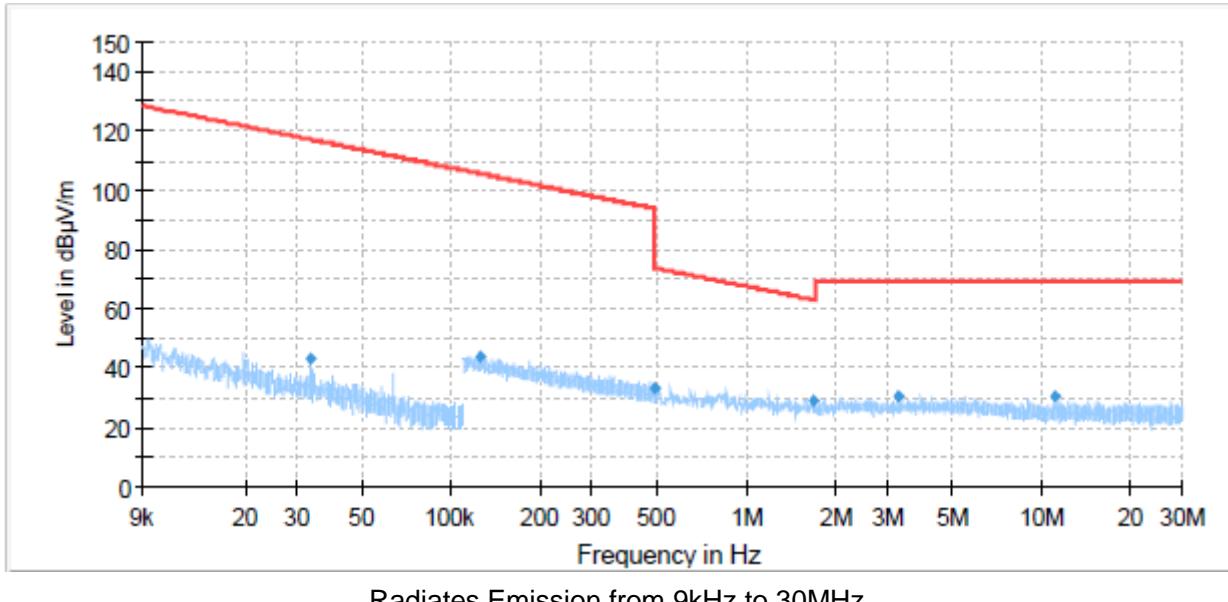
For above 1GHz

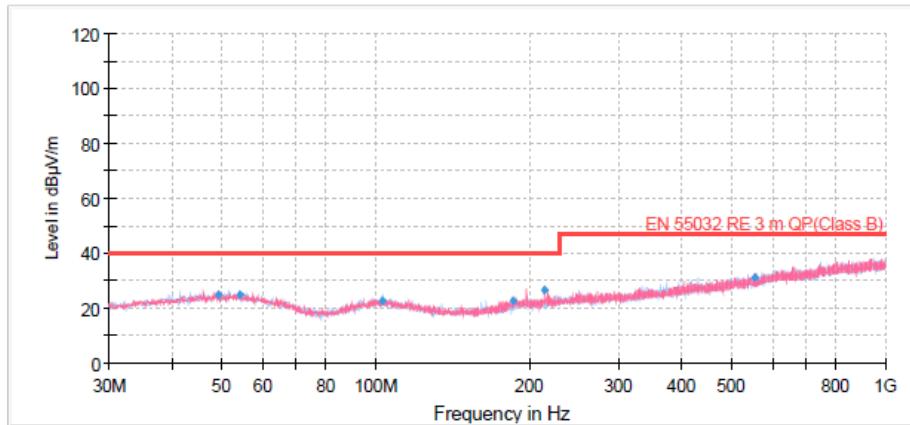
 PK Level @Spectrum Overview H
  PK Level @Spectrum Overview V
  PK Level @Final Results
  PK Limit

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

Wi-Fi 2.4GHz

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.

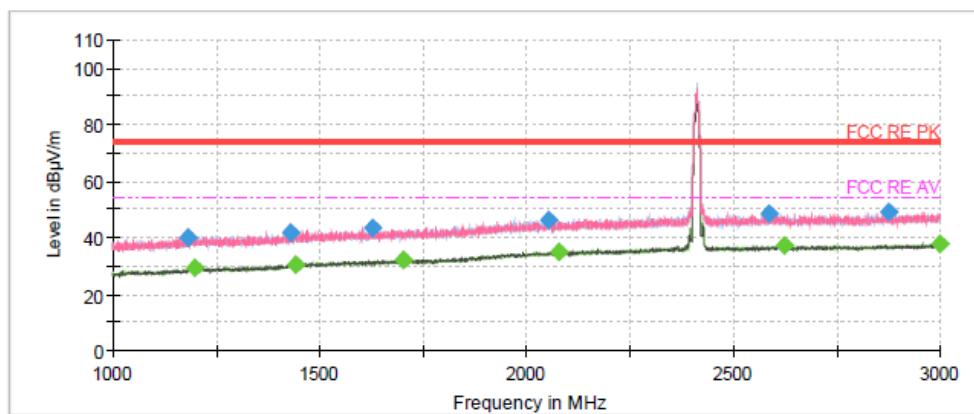




Final Result

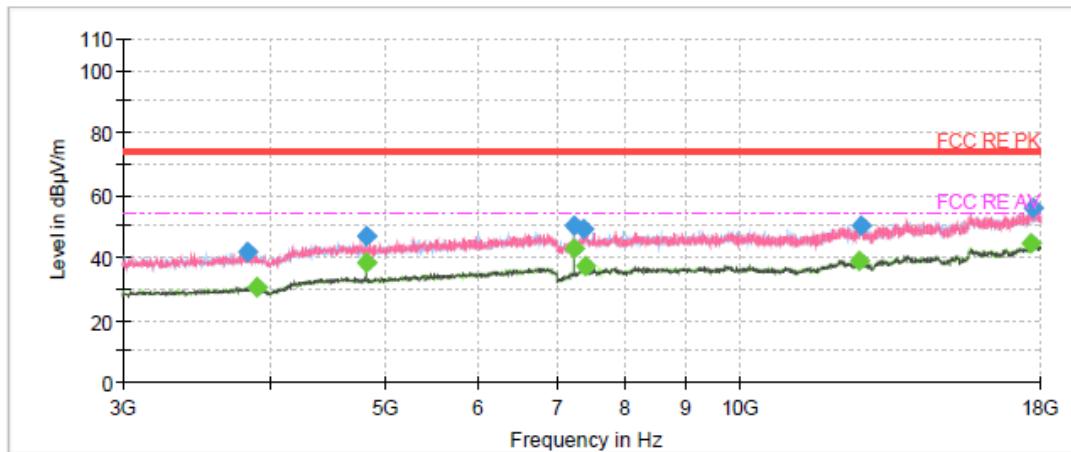
Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.16	24.68	40.00	15.32	1000.00	120.000	212.0	V	27.00	20
54.01	24.66	40.00	15.34	1000.00	120.000	198.0	H	0.00	20
102.63	22.86	40.00	17.14	1000.00	120.000	188.0	H	152.00	19
186.53	22.47	40.00	17.53	1000.00	120.000	215.0	V	304.00	17
214.54	26.83	40.00	13.17	1000.00	120.000	225.0	V	1.00	18
555.86	30.89	47.00	16.11	1000.00	120.000	188.0	V	246.00	26

Radiates Emission from 30MHz to 1GHz



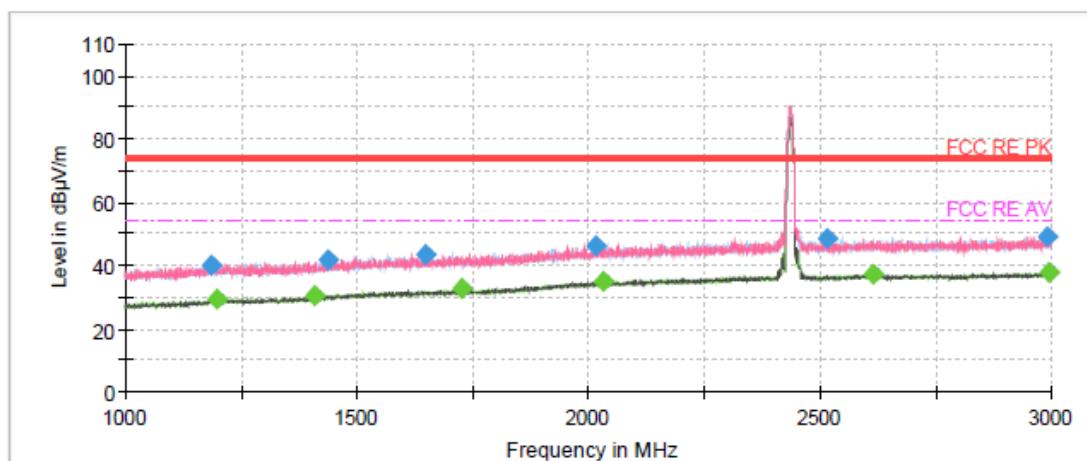
Final Result

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1180.000000	39.90	---	74.00	34.10	500.0	200.0	V	0.0	-6.2
1200.250000	---	29.23	54.00	24.77	500.0	100.0	V	3.0	-6.1
1430.000000	41.86	---	74.00	32.14	500.0	100.0	H	0.0	-4.2
1441.000000	---	30.58	54.00	23.42	500.0	200.0	V	18.0	-4.1
1628.000000	43.23	---	74.00	30.77	500.0	200.0	V	25.0	-2.7
1703.250000	---	32.36	54.00	21.64	500.0	200.0	V	39.0	-2.2
2052.250000	46.45	---	74.00	27.55	500.0	100.0	H	41.0	0.2
2078.500000	---	34.98	54.00	19.02	500.0	100.0	V	18.0	0.2
2587.500000	48.23	---	74.00	25.77	500.0	200.0	V	39.0	1.7
2622.250000	---	37.21	54.00	16.79	500.0	200.0	V	25.0	1.8
2877.250000	49.20	---	74.00	24.80	500.0	200.0	H	0.0	2.9
2998.750000	---	37.66	54.00	16.34	500.0	200.0	H	0.0	3.4



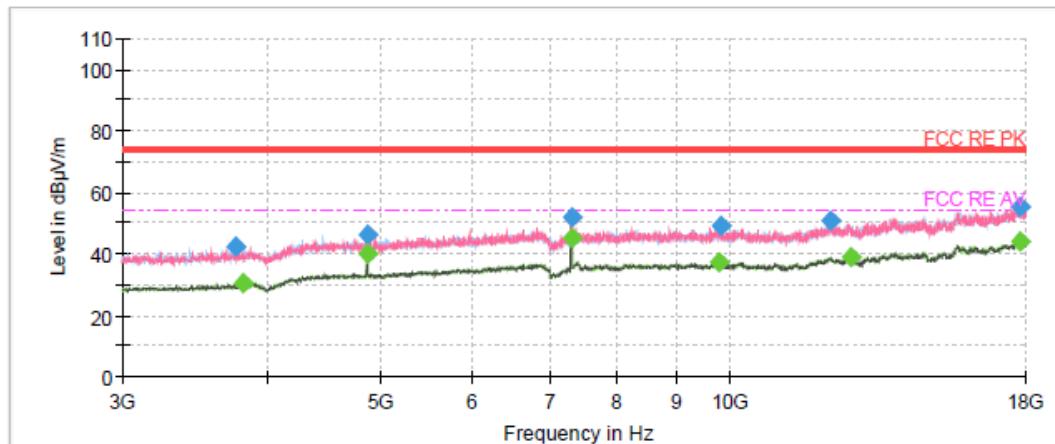
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3823.125000	41.65	---	74.00	32.35	500.0	200.0	V	45.0	-5.0
3896.250000	---	30.53	54.00	23.47	500.0	200.0	H	10.0	-4.9
4822.500000	46.83	---	74.00	27.17	500.0	100.0	V	43.0	-1.6
4822.500000	---	38.23	54.00	15.77	500.0	200.0	H	41.0	-1.6
7233.750000	---	42.73	54.00	11.27	500.0	200.0	V	43.0	1.4
7237.500000	50.26	---	74.00	23.74	500.0	100.0	V	45.0	1.4
7380.000000	48.93	---	74.00	25.07	500.0	200.0	H	0.0	2.0
7391.250000	---	37.40	54.00	16.60	500.0	200.0	V	12.0	2.0
12652.500000	---	39.20	54.00	14.80	500.0	100.0	H	0.0	5.1
12691.875000	50.13	---	74.00	23.87	500.0	200.0	V	0.0	5.1
17673.750000	---	44.65	54.00	9.35	500.0	100.0	V	12.0	9.8
17720.625000	56.00	---	74.00	18.00	500.0	200.0	H	45.0	9.9



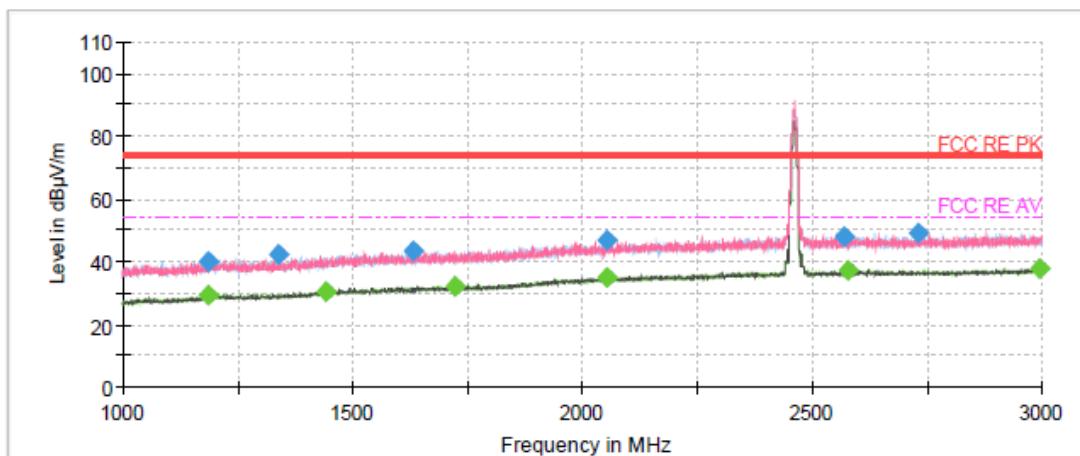
Final Result

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1188.000000	40.12	---	74.00	33.88	500.0	200.0	V	44.0	-6.2
1200.000000	---	29.13	54.00	24.87	500.0	100.0	H	42.0	-6.1
1409.500000	---	30.59	54.00	23.41	500.0	100.0	H	20.0	-4.4
1439.000000	41.51	---	74.00	32.49	500.0	200.0	H	35.0	-4.1
1649.250000	43.56	---	74.00	30.44	500.0	200.0	V	18.0	-2.6
1729.250000	---	32.48	54.00	21.52	500.0	100.0	V	44.0	-2.0
2014.750000	46.25	---	74.00	27.75	500.0	200.0	H	0.0	0.1
2034.500000	---	35.01	54.00	18.99	500.0	200.0	V	45.0	0.1
2518.500000	48.35	---	74.00	25.65	500.0	100.0	H	27.0	1.4
2614.250000	---	37.17	54.00	16.83	500.0	200.0	V	45.0	1.8
2993.750000	49.08	---	74.00	24.92	500.0	200.0	H	20.0	3.4
2994.250000	---	37.98	54.00	16.02	500.0	100.0	V	32.0	3.4



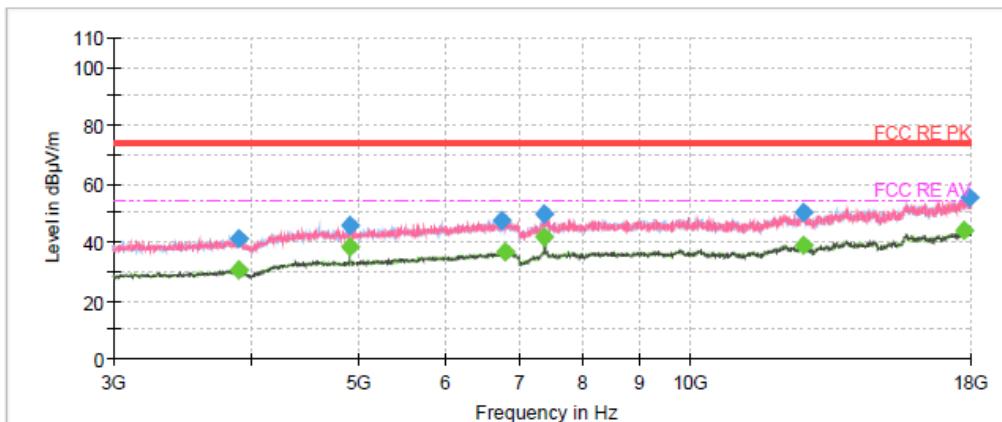
Final Result

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3761.250000	42.47	---	74.00	31.53	500.0	200.0	H	0.0	-5.4
3819.375000	---	30.51	54.00	23.50	500.0	100.0	V	45.0	-5.1
4873.125000	46.36	---	74.00	27.64	500.0	200.0	V	35.0	-1.6
4873.125000	---	40.03	54.00	13.97	500.0	200.0	V	35.0	-1.6
7308.750000	---	45.11	54.00	8.89	500.0	200.0	V	45.0	1.6
7310.625000	51.66	---	74.00	22.34	500.0	100.0	V	45.0	1.6
9804.375000	---	37.22	54.00	16.78	500.0	200.0	H	42.0	3.2
9819.375000	49.11	---	74.00	24.89	500.0	200.0	H	0.0	3.2
12215.625000	50.74	---	74.00	23.26	500.0	200.0	V	35.0	4.6
12706.875000	---	39.12	54.00	14.88	500.0	100.0	V	19.0	5.1
17786.250000	---	44.05	54.00	9.95	500.0	200.0	H	0.0	10.0
17806.875000	55.19	---	74.00	18.81	500.0	200.0	H	45.0	10.0



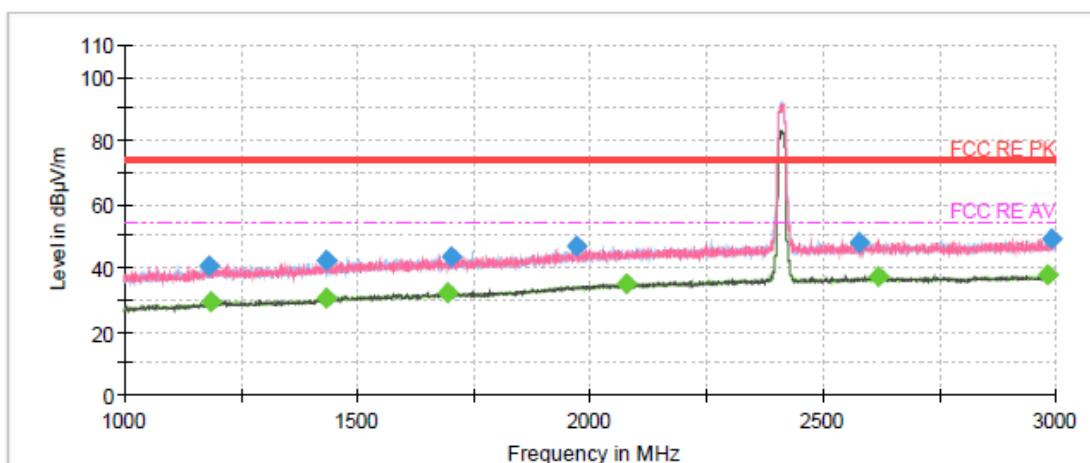
Final Result

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1184.250000	---	29.17	54.00	24.83	500.0	200.0	V	32.0	-6.2
1184.500000	40.27	---	74.00	33.73	500.0	100.0	V	32.0	-6.2
1339.750000	42.22	---	74.00	31.78	500.0	100.0	H	0.0	-5.0
1440.500000	---	30.53	54.00	23.47	500.0	200.0	H	0.0	-4.1
1632.750000	43.33	---	74.00	30.67	500.0	200.0	H	42.0	-2.7
1723.750000	---	32.34	54.00	21.66	500.0	100.0	V	25.0	-2.0
2054.000000	---	34.73	54.00	19.27	500.0	200.0	H	0.0	0.2
2054.500000	46.72	---	74.00	27.28	500.0	200.0	H	0.0	0.2
2568.750000	48.13	---	74.00	25.87	500.0	100.0	V	45.0	1.6
2578.750000	---	36.97	54.00	17.03	500.0	200.0	V	44.0	1.7
2731.500000	49.02	---	74.00	24.98	500.0	200.0	H	27.0	2.3
2996.500000	---	38.00	54.00	16.00	500.0	200.0	H	42.0	3.4



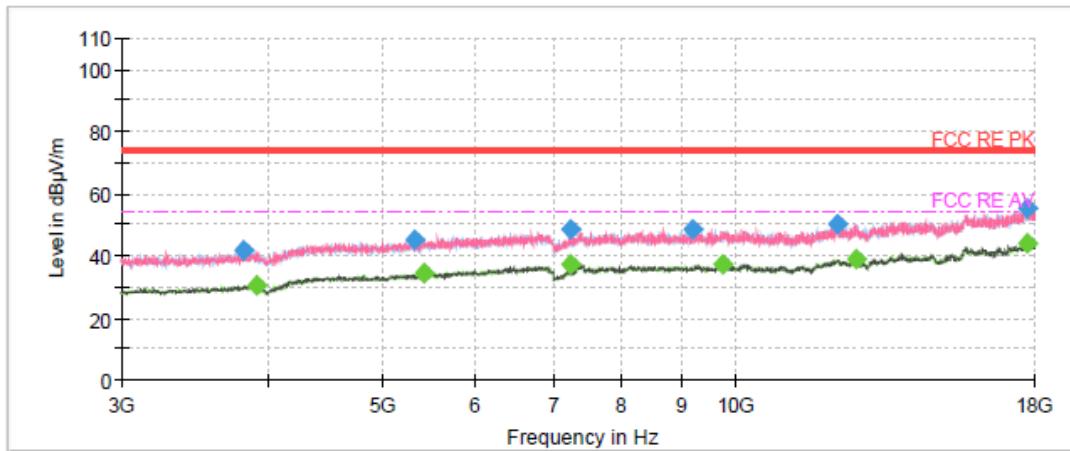
Final Result

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3900.000000	41.21	---	74.00	32.79	500.0	200.0	V	11.0	-4.9
3903.750000	---	30.68	54.00	23.32	500.0	100.0	V	34.0	-4.9
4923.750000	45.93	---	74.00	28.07	500.0	100.0	V	45.0	-1.5
4923.750000	---	38.23	54.00	15.77	500.0	200.0	V	45.0	-1.5
6740.625000	47.42	---	74.00	26.58	500.0	200.0	V	45.0	0.9
6802.500000	---	36.57	54.00	17.43	500.0	100.0	V	45.0	1.1
7385.625000	49.75	---	74.00	24.25	500.0	200.0	V	45.0	2.0
7385.625000	---	41.84	54.00	12.16	500.0	200.0	H	45.0	2.0
12676.875000	---	39.06	54.00	14.94	500.0	200.0	H	0.0	5.1
12691.875000	50.02	---	74.00	23.98	500.0	100.0	V	11.0	5.1
17718.750000	---	43.99	54.00	10.01	500.0	200.0	H	0.0	9.9
17945.625000	55.02	---	74.00	18.98	500.0	100.0	H	42.0	10.3



Final Result

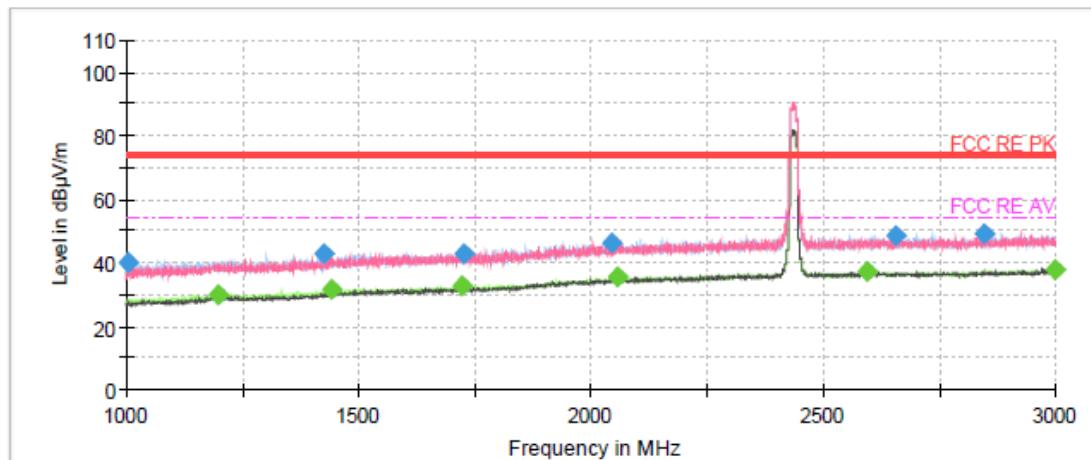
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1181.500000	40.59	---	74.00	33.41	500.0	200.0	H	45.0	-6.2
1184.000000	---	29.12	54.00	24.88	500.0	200.0	H	0.0	-6.2
1433.000000	42.06	---	74.00	31.94	500.0	200.0	V	45.0	-4.2
1433.000000	---	30.39	54.00	23.61	500.0	100.0	H	6.0	-4.2
1696.250000	---	32.17	54.00	21.83	500.0	100.0	V	34.0	-2.2
1704.000000	43.52	---	74.00	30.48	500.0	200.0	V	0.0	-2.2
1973.000000	46.60	---	74.00	27.40	500.0	200.0	H	6.0	-0.1
2078.000000	---	34.92	54.00	19.08	500.0	200.0	V	4.0	0.2
2577.250000	48.17	---	74.00	25.83	500.0	100.0	V	34.0	1.7
2620.500000	---	37.18	54.00	16.82	500.0	200.0	V	19.0	1.8
2984.000000	---	37.67	54.00	16.33	500.0	200.0	H	0.0	3.4
2992.000000	49.27	---	74.00	24.73	500.0	100.0	V	45.0	3.4



Final Result

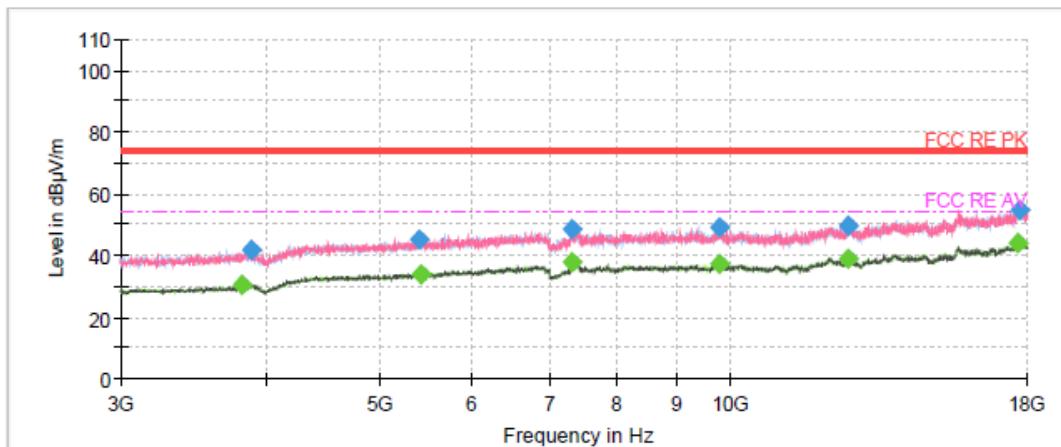
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3811.875000	41.98	--	74.00	32.02	500.0	200.0	H	0.0	-5.1
3907.500000	--	30.67	54.00	23.33	500.0	100.0	V	45.0	-5.0
5328.750000	45.32	--	74.00	28.68	500.0	100.0	H	0.0	-0.8
5437.500000	--	34.19	54.00	19.81	500.0	200.0	H	0.0	-0.4
7235.625000	48.42	--	74.00	25.58	500.0	200.0	H	16.0	1.4
7237.500000	--	37.42	54.00	16.58	500.0	200.0	V	45.0	1.4
9200.625000	48.40	--	74.00	25.60	500.0	100.0	V	27.0	3.1
9759.375000	--	37.32	54.00	16.68	500.0	200.0	H	24.0	3.2
12202.500000	50.24	--	74.00	23.76	500.0	200.0	V	42.0	4.6
12661.875000	--	39.04	54.00	14.96	500.0	100.0	H	40.0	5.1
17728.125000	55.06	--	74.00	18.94	500.0	200.0	V	11.0	9.9
17761.875000	--	43.93	54.00	10.07	500.0	200.0	H	0.0	9.9

802.11g CH6



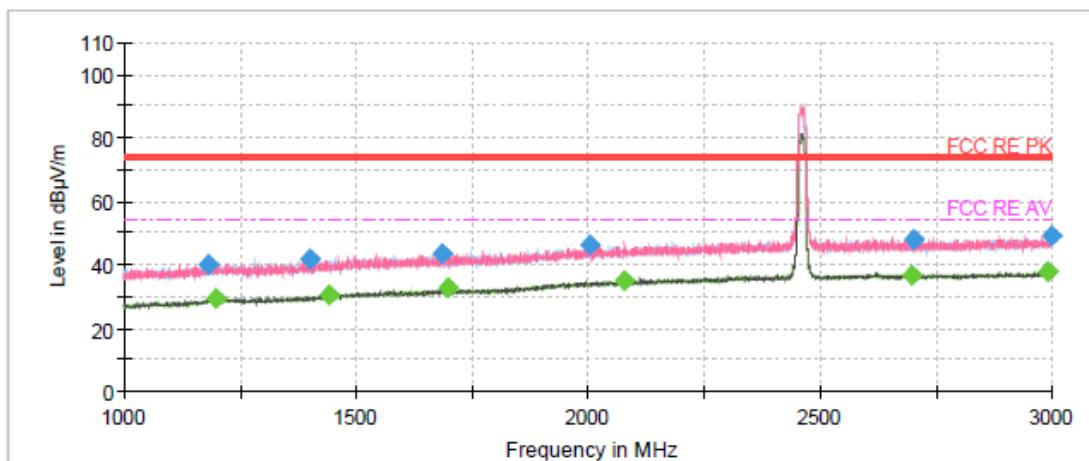
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1005.500000	40.21	---	74.00	33.79	500.0	200.0	H	45.0	-7.7
1199.500000	---	29.80	54.00	24.20	500.0	100.0	H	27.0	-6.1
1427.000000	42.74	---	74.00	31.26	500.0	200.0	H	45.0	-4.2
1440.250000	---	31.39	54.00	22.61	500.0	100.0	H	42.0	-4.1
1723.500000	---	32.76	54.00	21.24	500.0	100.0	H	45.0	-2.0
1728.500000	43.14	---	74.00	30.86	500.0	200.0	H	45.0	-2.0
2045.750000	46.47	---	74.00	27.53	500.0	200.0	V	32.0	0.1
2057.000000	---	35.28	54.00	18.72	500.0	200.0	H	45.0	0.2
2594.750000	---	37.26	54.00	16.74	500.0	100.0	V	45.0	1.7
2658.750000	48.45	---	74.00	25.55	500.0	200.0	V	44.0	2.0
2845.750000	49.07	---	74.00	24.93	500.0	200.0	V	44.0	2.8
2998.000000	---	37.94	54.00	16.06	500.0	100.0	H	5.0	3.4



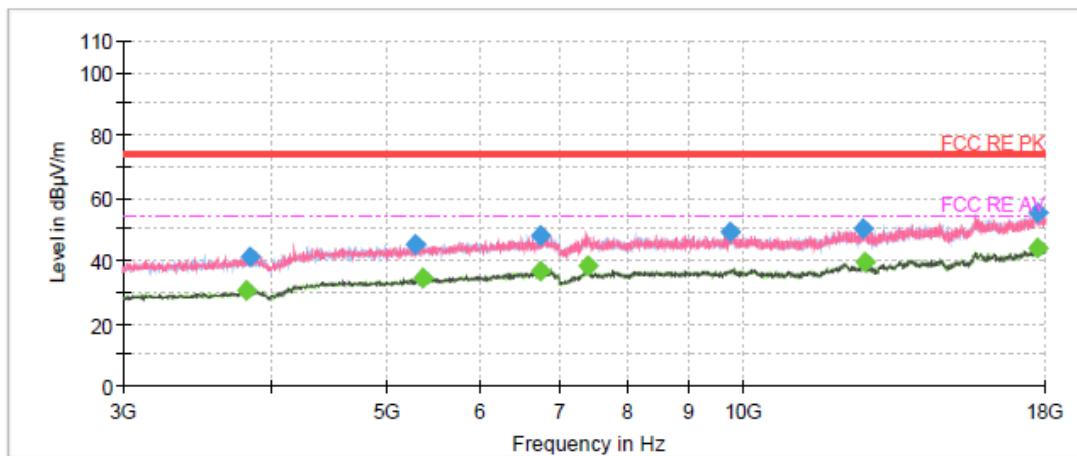
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3813.750000	---	30.55	54.00	23.45	500.0	200.0	H	0.0	-5.1
3885.000000	41.64	---	74.00	32.36	500.0	100.0	H	0.0	-4.8
5401.875000	45.35	---	74.00	28.65	500.0	200.0	V	11.0	-0.4
5441.250000	---	34.05	54.00	19.95	500.0	200.0	V	34.0	-0.4
7310.625000	---	37.61	54.00	16.39	500.0	100.0	V	45.0	1.6
7312.500000	48.41	---	74.00	25.59	500.0	100.0	H	9.0	1.6
9793.125000	48.91	---	74.00	25.09	500.0	200.0	H	0.0	3.2
9811.875000	---	37.36	54.00	16.64	500.0	100.0	V	42.0	3.2
12624.375000	49.64	---	74.00	24.36	500.0	200.0	H	9.0	4.9
12656.250000	---	39.11	54.00	14.89	500.0	200.0	V	11.0	5.1
17688.750000	---	44.13	54.00	9.87	500.0	100.0	V	0.0	9.8
17758.125000	54.63	---	74.00	19.37	500.0	200.0	V	34.0	9.9



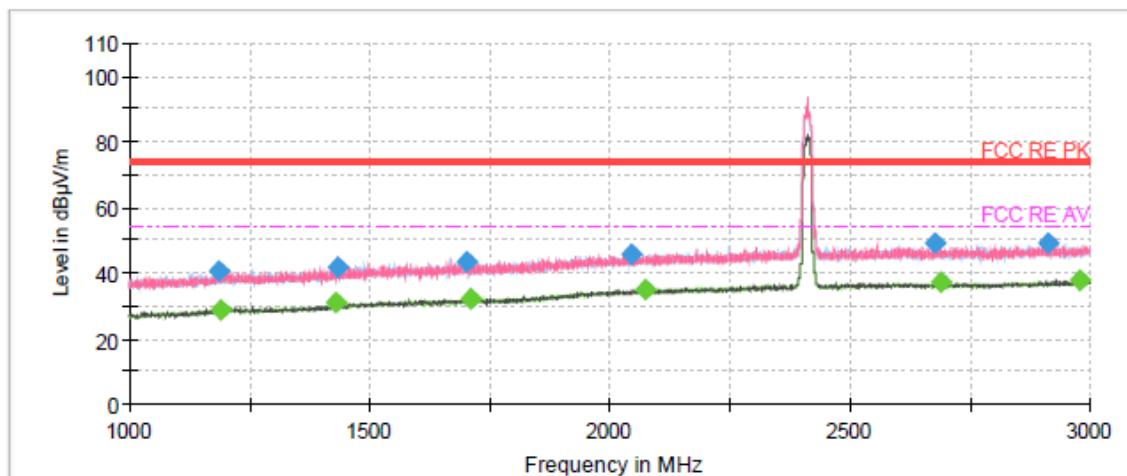
Final Result

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1181.250000	40.19	---	74.00	33.81	500.0	200.0	H	0.0	-6.2
1199.000000	---	29.10	54.00	24.90	500.0	100.0	H	0.0	-6.1
1399.000000	41.54	---	74.00	32.46	500.0	100.0	V	10.0	-4.5
1441.250000	---	30.67	54.00	23.33	500.0	200.0	V	24.0	-4.1
1684.750000	43.18	---	74.00	30.82	500.0	200.0	V	44.0	-2.3
1697.500000	---	32.59	54.00	21.41	500.0	200.0	V	44.0	-2.2
2005.500000	46.04	---	74.00	27.96	500.0	100.0	H	0.0	0.1
2078.000000	---	34.95	54.00	19.05	500.0	200.0	V	3.0	0.2
2697.750000	---	36.86	54.00	17.14	500.0	200.0	V	10.0	2.1
2701.250000	47.77	---	74.00	26.23	500.0	100.0	H	0.0	2.1
2991.500000	---	37.77	54.00	16.23	500.0	200.0	V	44.0	3.4
2998.750000	48.90	---	74.00	25.10	500.0	200.0	H	5.0	3.4



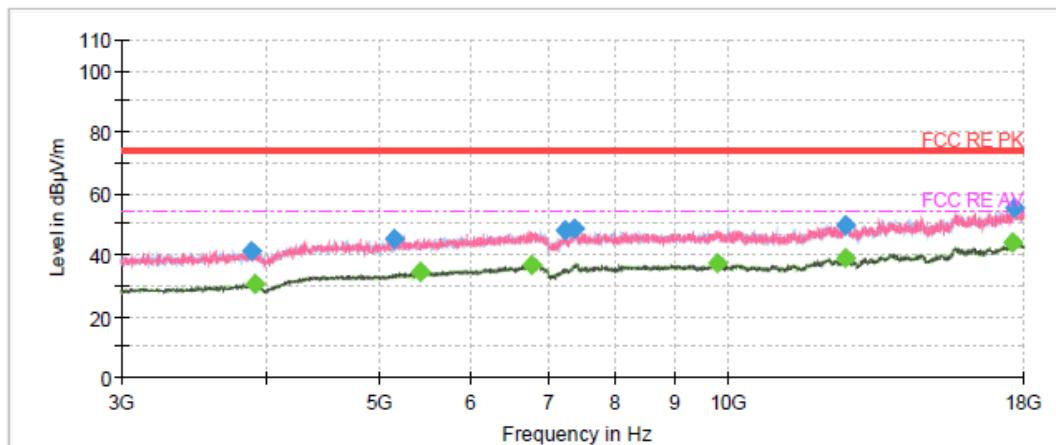
Final Result

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3813.750000	---	30.36	54.00	23.64	500.0	200.0	H	34.0	-5.1
3845.625000	40.94	---	74.00	33.06	500.0	100.0	H	18.0	-4.9
5298.750000	45.39	---	74.00	28.61	500.0	100.0	H	0.0	-0.8
5373.750000	---	34.13	54.00	19.87	500.0	200.0	V	3.0	-0.6
6753.750000	47.85	---	74.00	26.15	500.0	200.0	H	10.0	1.0
6761.250000	---	36.81	54.00	17.19	500.0	100.0	H	26.0	1.0
7389.375000	---	38.39	54.00	15.61	500.0	200.0	H	0.0	2.0
9763.125000	48.80	---	74.00	25.20	500.0	200.0	V	19.0	3.2
12630.000000	50.32	---	74.00	23.68	500.0	100.0	H	0.0	4.9
12663.750000	---	39.33	54.00	14.67	500.0	200.0	V	11.0	5.1
17726.250000	---	44.04	54.00	9.96	500.0	200.0	H	0.0	9.9
17752.500000	55.04	---	74.00	18.96	500.0	200.0	H	0.0	9.9



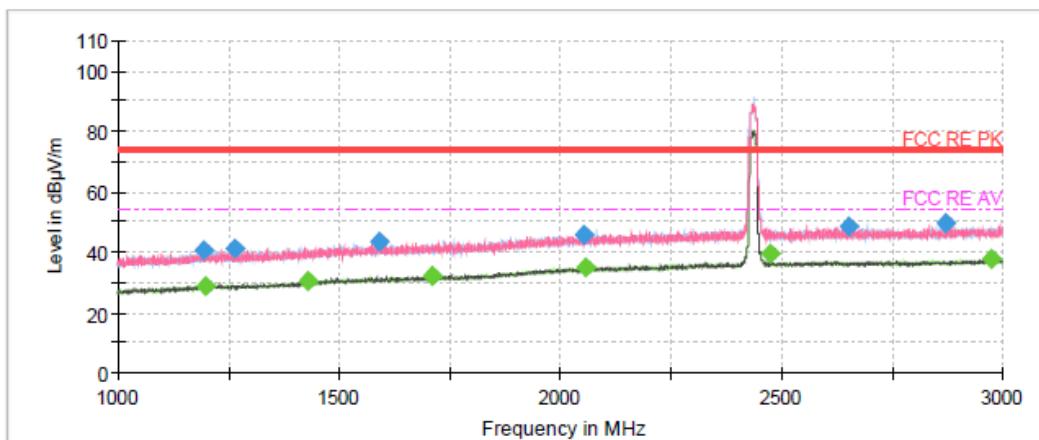
Final Result

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1185.500000	40.37	---	74.00	33.63	500.0	200.0	H	0.0	-6.2
1190.750000	---	29.02	54.00	24.98	500.0	200.0	H	0.0	-6.2
1430.000000	---	30.91	54.00	23.09	500.0	200.0	V	24.0	-4.2
1435.250000	41.70	---	74.00	32.30	500.0	200.0	H	20.0	-4.2
1704.000000	43.57	---	74.00	30.43	500.0	200.0	V	44.0	-2.2
1710.500000	---	32.31	54.00	21.69	500.0	200.0	H	0.0	-2.1
2046.000000	45.95	---	74.00	28.05	500.0	200.0	V	44.0	0.1
2076.000000	---	35.10	54.00	18.90	500.0	200.0	H	0.0	0.2
2679.250000	49.30	---	74.00	24.70	500.0	200.0	H	44.0	2.1
2689.750000	---	37.07	54.00	16.94	500.0	200.0	V	0.0	2.1
2914.000000	49.33	---	74.00	24.67	500.0	200.0	V	39.0	3.1
2977.500000	---	37.82	54.00	16.18	500.0	200.0	H	34.0	3.3



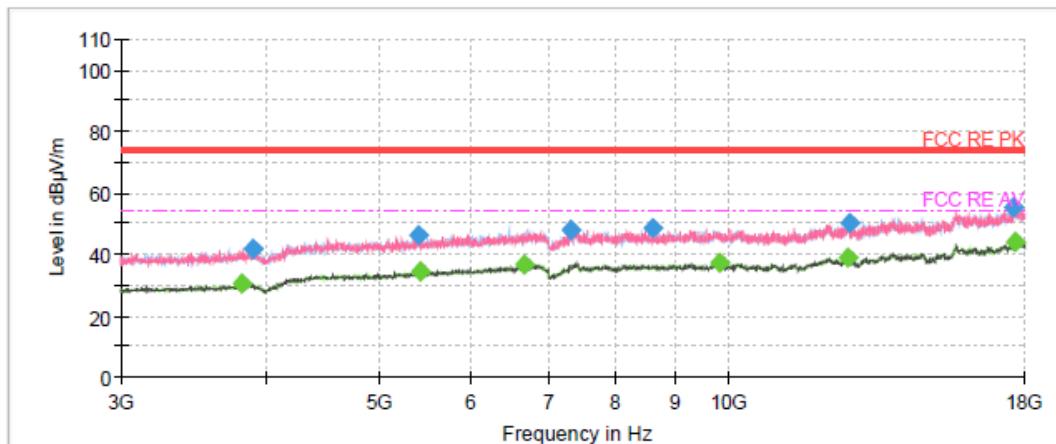
Final Result

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3881.250000	41.33	--	74.00	32.67	500.0	200.0	H	42.0	-4.8
3905.625000	--	30.34	54.00	23.66	500.0	100.0	V	45.0	-4.9
5161.875000	45.23	--	74.00	28.77	500.0	100.0	V	27.0	-1.2
5439.375000	--	34.16	54.00	19.84	500.0	200.0	H	18.0	-0.4
6785.625000	--	36.72	54.00	17.28	500.0	200.0	V	42.0	1.1
7235.625000	48.01	--	74.00	25.99	500.0	100.0	H	45.0	1.4
7383.750000	48.41	--	74.00	25.59	500.0	200.0	V	35.0	2.0
9810.000000	--	37.27	54.00	16.73	500.0	200.0	V	27.0	3.2
12635.625000	49.65	--	74.00	24.35	500.0	100.0	V	0.0	5.0
12646.875000	--	39.00	54.00	15.00	500.0	200.0	H	0.0	5.1
17604.375000	--	43.91	54.00	10.09	500.0	100.0	V	42.0	9.8
17658.750000	55.16	--	74.00	18.84	500.0	200.0	H	10.0	9.8



Final Result

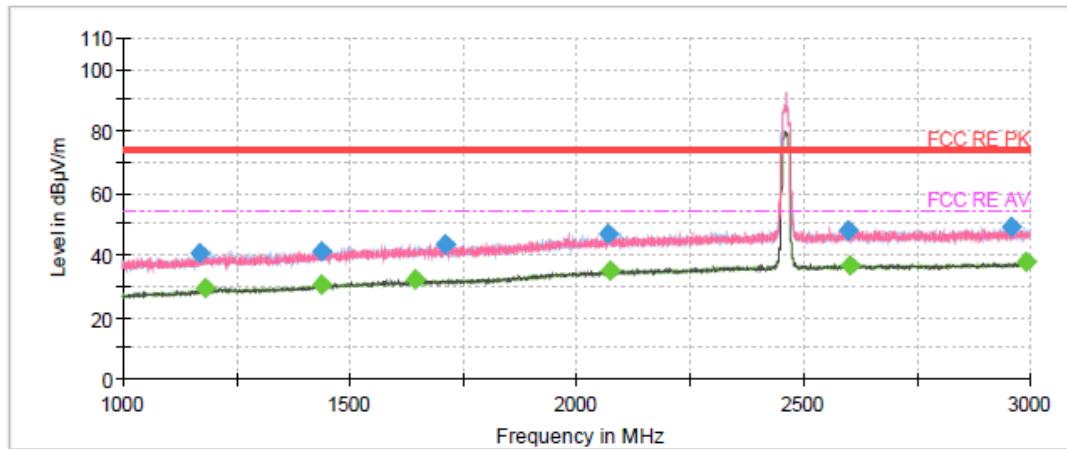
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1194.000000	40.54	---	74.00	33.46	500.0	200.0	H	0.0	-6.1
1197.000000	---	29.05	54.00	24.95	500.0	200.0	H	34.0	-6.1
1266.000000	41.10	---	74.00	32.90	500.0	200.0	V	18.0	-5.6
1428.500000	---	30.53	54.00	23.47	500.0	200.0	H	5.0	-4.2
1589.000000	43.21	---	74.00	30.79	500.0	200.0	H	20.0	-3.0
1712.750000	---	32.20	54.00	21.80	500.0	200.0	V	44.0	-2.1
2054.000000	45.88	---	74.00	28.12	500.0	200.0	V	39.0	0.2
2057.250000	---	34.94	54.00	19.06	500.0	200.0	V	32.0	0.2
2474.000000	---	39.48	54.00	14.52	500.0	200.0	V	18.0	1.3
2654.000000	48.62	---	74.00	25.39	500.0	200.0	V	44.0	1.9
2873.750000	49.54	---	74.00	24.46	500.0	200.0	V	10.0	2.9
2977.250000	---	37.65	54.00	16.35	500.0	200.0	H	5.0	3.3



Final Result

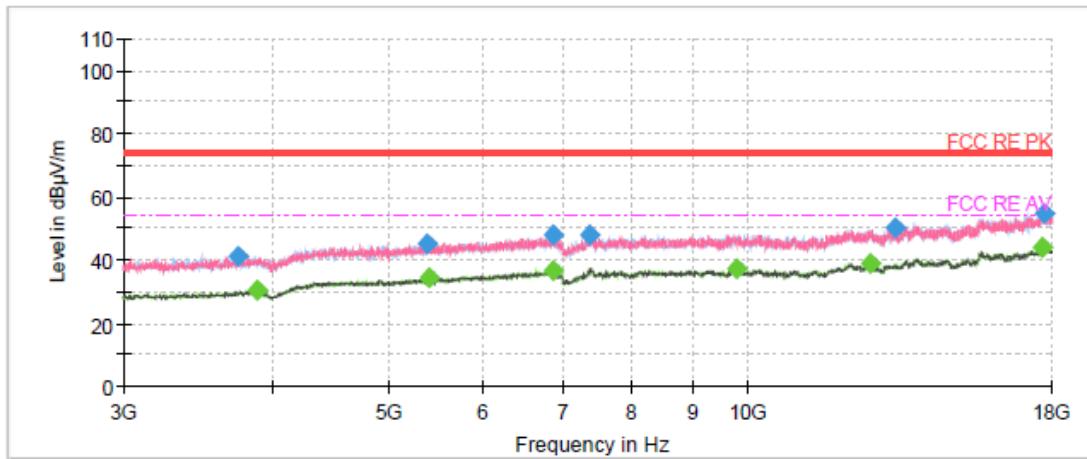
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3810.000000	---	30.27	54.00	23.73	500.0	200.0	H	25.0	-5.1
3890.625000	41.91	---	74.00	32.09	500.0	100.0	V	3.0	-4.9
5403.750000	46.04	---	74.00	27.96	500.0	100.0	H	0.0	-0.4
5433.750000	---	34.41	54.00	19.59	500.0	200.0	H	45.0	-0.4
6676.875000	---	36.53	54.00	17.47	500.0	200.0	V	34.0	0.9
7316.250000	47.76	---	74.00	26.24	500.0	100.0	V	45.0	1.7
8600.625000	48.24	---	74.00	25.76	500.0	200.0	H	25.0	3.0
9815.625000	---	37.41	54.00	16.59	500.0	200.0	V	45.0	3.2
12697.500000	---	39.20	54.00	14.80	500.0	100.0	H	45.0	5.1
12714.375000	50.37	---	74.00	23.63	500.0	200.0	V	45.0	5.1
17636.250000	55.05	---	74.00	18.95	500.0	200.0	V	34.0	9.8
17686.875000	---	43.98	54.00	10.02	500.0	200.0	V	45.0	9.8

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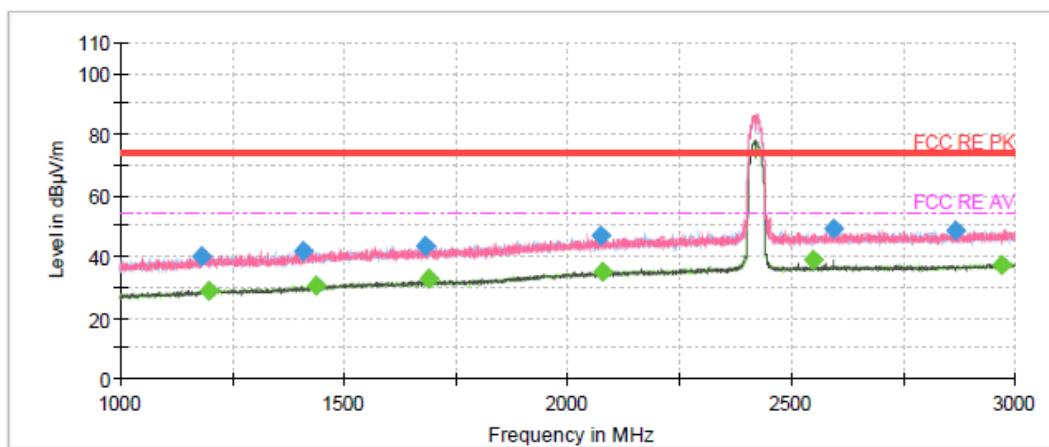
Final Result

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1167.750000	40.55	---	74.00	33.45	500.0	200.0	H	19.0	-6.3
1183.000000	---	29.20	54.00	24.80	500.0	100.0	V	24.0	-6.2
1437.500000	41.17	---	74.00	32.83	500.0	100.0	V	44.0	-4.2
1438.250000	---	30.34	54.00	23.66	500.0	200.0	V	32.0	-4.2
1643.750000	---	32.12	54.00	21.88	500.0	200.0	V	39.0	-2.6
1710.000000	43.58	---	74.00	30.42	500.0	100.0	V	32.0	-2.1
2071.000000	46.55	---	74.00	27.45	500.0	200.0	V	0.0	0.2
2076.250000	---	34.87	54.00	19.13	500.0	200.0	V	44.0	0.2
2599.250000	48.06	---	74.00	25.94	500.0	100.0	V	44.0	1.8
2605.000000	---	36.85	54.00	17.15	500.0	200.0	V	44.0	1.8
2959.250000	49.18	---	74.00	24.82	500.0	200.0	H	0.0	3.2
2991.750000	---	37.84	54.00	16.16	500.0	100.0	H	0.0	3.4



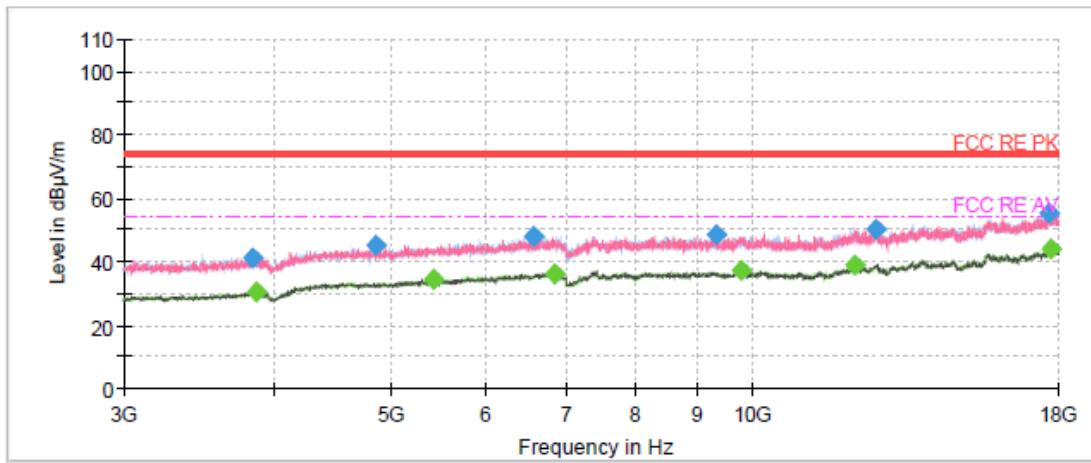
Final Result

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3748.125000	41.37	—	74.00	32.63	500.0	200.0	H	2.0	-5.5
3886.875000	—	30.28	54.00	23.72	500.0	100.0	H	2.0	-4.9
5386.875000	45.07	—	74.00	28.93	500.0	100.0	V	28.0	-0.5
5409.375000	—	34.23	54.00	19.77	500.0	200.0	V	43.0	-0.4
6875.625000	48.23	—	74.00	25.77	500.0	200.0	V	45.0	1.0
6877.500000	—	36.74	54.00	17.26	500.0	200.0	H	25.0	1.0
7387.500000	48.20	—	74.00	25.80	500.0	100.0	V	20.0	2.0
9808.125000	—	37.51	54.00	16.49	500.0	200.0	V	45.0	3.2
12667.500000	—	38.90	54.00	15.10	500.0	200.0	V	45.0	5.1
13316.250000	50.11	—	74.00	23.89	500.0	100.0	H	42.0	5.3
17643.750000	—	43.97	54.00	10.03	500.0	200.0	V	43.0	9.8
17726.250000	54.91	—	74.00	19.09	500.0	200.0	H	45.0	9.9



Final Result

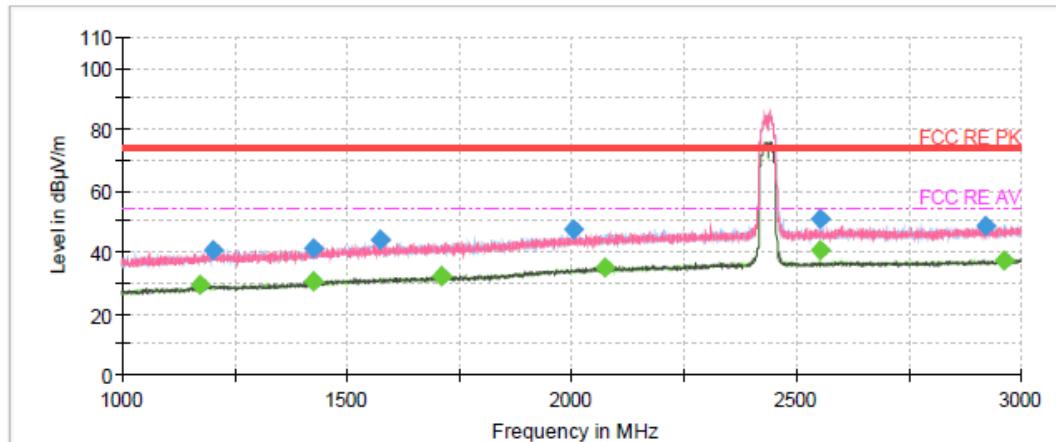
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1180.500000	39.82	--	74.00	34.18	500.0	200.0	V	18.0	-6.2
1200.250000	--	28.94	54.00	25.06	500.0	200.0	V	44.0	-6.1
1410.500000	41.57	--	74.00	32.43	500.0	200.0	H	45.0	-4.4
1439.000000	--	30.63	54.00	23.37	500.0	200.0	H	27.0	-4.1
1682.500000	43.59	--	74.00	30.41	500.0	200.0	H	20.0	-2.3
1691.750000	--	32.46	54.00	21.54	500.0	200.0	V	0.0	-2.2
2072.500000	46.90	--	74.00	27.10	500.0	200.0	H	0.0	0.2
2077.000000	--	35.03	54.00	18.97	500.0	200.0	V	18.0	0.2
2550.000000	--	38.91	54.00	15.09	500.0	200.0	V	18.0	1.5
2595.500000	48.85	--	74.00	25.15	500.0	200.0	V	25.0	1.7
2868.000000	48.62	--	74.00	25.38	500.0	200.0	H	13.0	2.9
2972.000000	--	37.12	54.00	16.88	500.0	200.0	H	6.0	3.3



Final Result

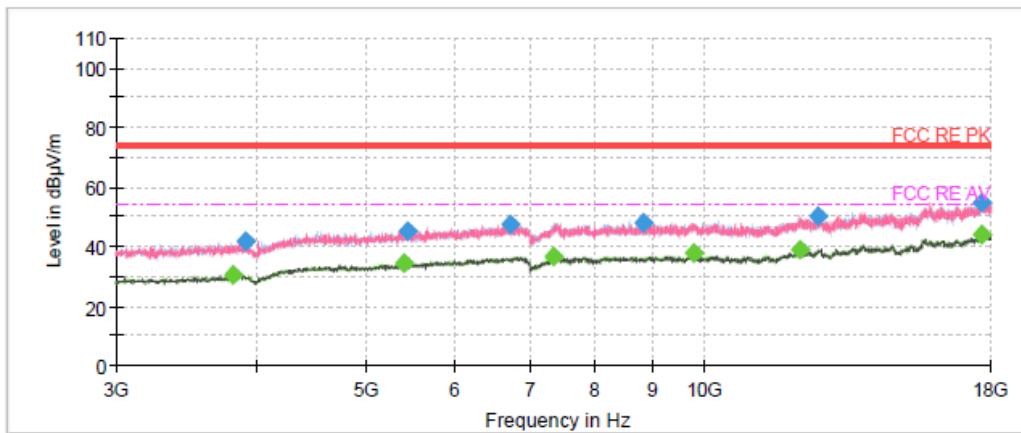
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3836.250000	41.45	---	74.00	32.55	500.0	200.0	V	0.0	-5.0
3868.125000	---	30.57	54.00	23.43	500.0	100.0	H	42.0	-4.8
4856.250000	45.22	---	74.00	28.78	500.0	100.0	V	35.0	-1.6
5431.875000	---	34.52	54.00	19.48	500.0	200.0	H	2.0	-0.4
6586.875000	48.12	---	74.00	25.88	500.0	200.0	V	27.0	0.9
6847.500000	---	36.35	54.00	17.65	500.0	100.0	V	45.0	1.1
9339.375000	48.64	---	74.00	25.36	500.0	200.0	H	0.0	3.0
9800.625000	---	37.32	54.00	16.68	500.0	200.0	H	0.0	3.2
12183.750000	---	38.81	54.00	15.19	500.0	100.0	V	45.0	4.5
12678.750000	50.21	---	74.00	23.79	500.0	200.0	H	0.0	5.1
17668.125000	55.43	---	74.00	18.57	500.0	200.0	V	11.0	9.8
17720.625000	---	43.78	54.00	10.22	500.0	200.0	V	0.0	9.9

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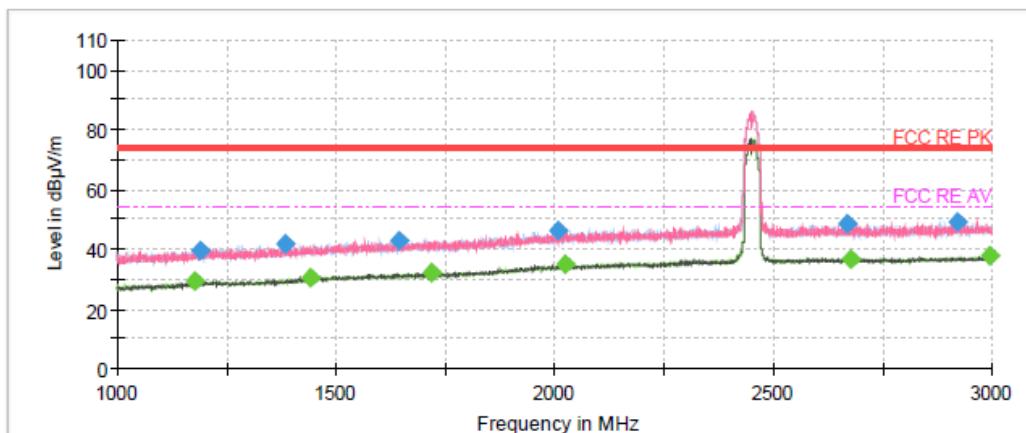
Final Result

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1174.500000	---	29.05	54.00	24.95	500.0	200.0	H	0.0	-6.3
1200.750000	40.52	---	74.00	33.48	500.0	200.0	V	44.0	-6.1
1426.000000	---	30.31	54.00	23.69	500.0	100.0	H	18.0	-4.2
1427.000000	41.12	---	74.00	32.88	500.0	100.0	H	18.0	-4.2
1573.000000	44.11	---	74.00	29.89	500.0	200.0	H	0.0	-3.1
1712.000000	---	32.16	54.00	21.84	500.0	200.0	V	25.0	-2.1
2005.000000	47.14	---	74.00	26.86	500.0	200.0	V	44.0	0.1
2076.000000	---	34.87	54.00	19.13	500.0	100.0	V	18.0	0.2
2554.750000	---	40.49	54.00	13.51	500.0	200.0	H	25.0	1.5
2554.750000	50.97	---	74.00	23.03	500.0	200.0	H	25.0	1.5
2920.000000	48.64	---	74.00	25.36	500.0	100.0	V	44.0	3.1
2962.500000	---	37.45	54.00	16.55	500.0	200.0	H	11.0	3.3



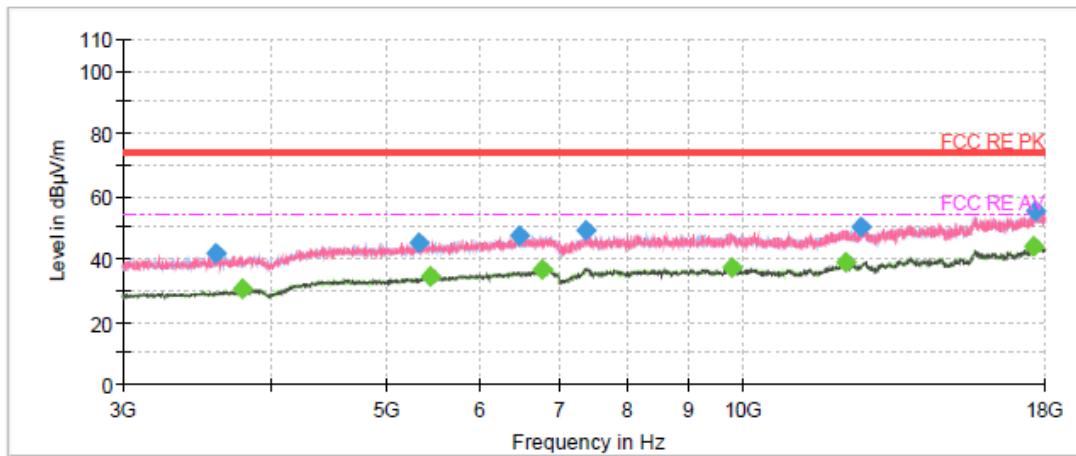
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3811.875000	---	30.60	54.00	23.40	500.0	200.0	V	42.0	-5.1
3913.125000	41.75	---	74.00	32.25	500.0	100.0	H	10.0	-5.0
5407.500000	---	34.21	54.00	19.79	500.0	100.0	V	42.0	-0.4
5448.750000	44.96	---	74.00	29.04	500.0	200.0	V	35.0	-0.5
6718.125000	47.37	---	74.00	26.63	500.0	200.0	V	4.0	0.9
7344.375000	---	36.50	54.00	17.50	500.0	100.0	V	4.0	1.8
8846.250000	48.07	---	74.00	25.93	500.0	200.0	V	12.0	2.9
9789.375000	---	37.56	54.00	16.44	500.0	200.0	H	45.0	3.2
12178.125000	---	39.04	54.00	14.96	500.0	100.0	V	45.0	4.5
12639.375000	50.06	---	74.00	23.94	500.0	200.0	V	45.0	5.0
17671.875000	---	44.16	54.00	9.84	500.0	200.0	V	19.0	9.8
17671.875000	54.88	---	74.00	19.12	500.0	200.0	V	19.0	9.8



Final Result

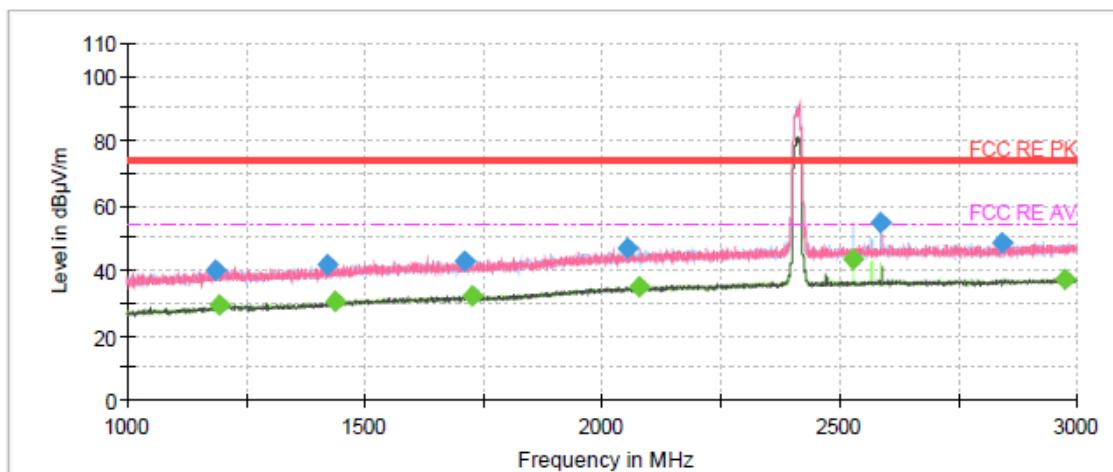
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1179.750000	--	29.17	54.00	24.83	500.0	200.0	V	25.0	-6.2
1191.250000	39.42	--	74.00	34.58	500.0	100.0	V	32.0	-6.2
1382.250000	41.82	--	74.00	32.18	500.0	100.0	H	0.0	-4.6
1441.750000	--	30.41	54.00	23.59	500.0	200.0	H	5.0	-4.1
1644.250000	43.10	--	74.00	30.90	500.0	200.0	V	18.0	-2.6
1719.750000	--	32.11	54.00	21.89	500.0	200.0	H	27.0	-2.1
2008.500000	46.13	--	74.00	27.87	500.0	100.0	H	20.0	0.1
2025.250000	--	34.77	54.00	19.23	500.0	200.0	V	18.0	0.1
2668.500000	48.72	--	74.00	25.28	500.0	200.0	V	0.0	2.0
2676.500000	--	36.69	54.00	17.31	500.0	100.0	V	45.0	2.0
2919.500000	48.85	--	74.00	25.15	500.0	200.0	V	44.0	3.1
2997.750000	--	37.53	54.00	16.47	500.0	200.0	V	25.0	3.4



Final Result

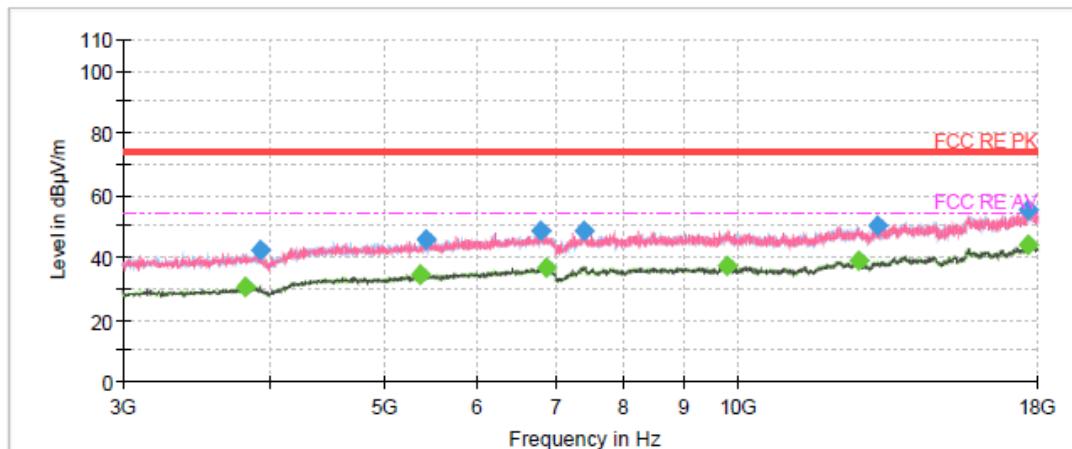
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3592.500000	41.88	---	74.00	32.12	500.0	200.0	V	45.0	-5.9
3789.375000	---	30.24	54.00	23.76	500.0	100.0	V	35.0	-5.3
5340.000000	45.37	---	74.00	28.63	500.0	100.0	V	19.0	-0.8
5445.000000	---	34.14	54.00	19.86	500.0	200.0	V	45.0	-0.4
6489.375000	47.33	---	74.00	26.67	500.0	200.0	H	17.0	0.9
6768.750000	---	36.64	54.00	17.36	500.0	100.0	H	45.0	1.0
7365.000000	48.87	---	74.00	25.13	500.0	200.0	H	0.0	1.9
9789.375000	---	37.25	54.00	16.75	500.0	200.0	V	45.0	3.2
12213.750000	---	38.92	54.00	15.08	500.0	100.0	H	2.0	4.6
12603.750000	49.95	---	74.00	24.05	500.0	100.0	V	42.0	4.8
17626.875000	---	44.20	54.00	9.80	500.0	200.0	H	17.0	9.8
17662.500000	55.19	---	74.00	18.81	500.0	200.0	H	2.0	9.8

802.11ax HE20 CH1



Final Result

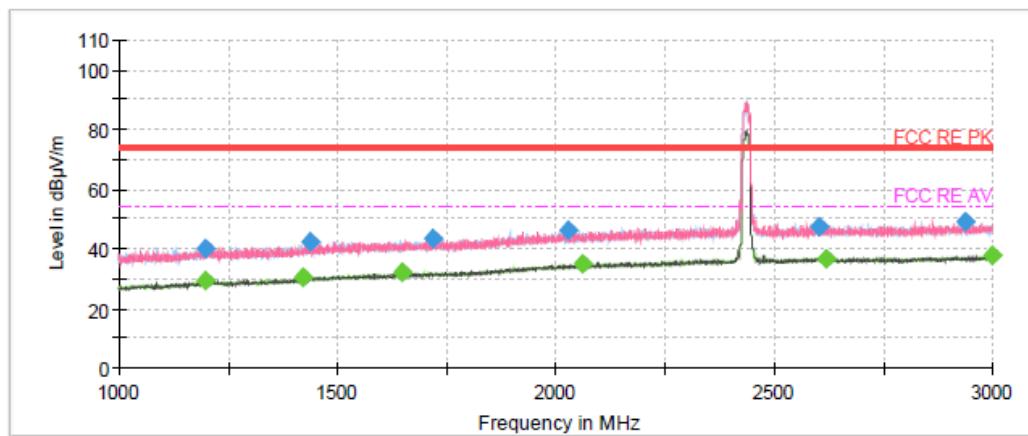
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1186.000000	39.95	---	74.00	34.05	500.0	200.0	H	34.0	-6.2
1194.000000	---	29.13	54.00	24.87	500.0	100.0	H	27.0	-6.1
1422.000000	41.64	---	74.00	32.36	500.0	200.0	V	32.0	-4.3
1438.750000	---	30.27	54.00	23.73	500.0	200.0	V	4.0	-4.1
1709.750000	43.08	---	74.00	30.92	500.0	100.0	H	5.0	-2.1
1728.750000	---	31.92	54.00	22.08	500.0	200.0	H	19.0	-2.0
2053.750000	46.97	---	74.00	27.03	500.0	200.0	H	5.0	0.2
2079.250000	---	34.87	54.00	19.13	500.0	100.0	H	0.0	0.2
2528.750000	---	43.43	54.00	10.57	500.0	200.0	H	27.0	1.4
2585.250000	54.70	---	74.00	19.30	500.0	200.0	H	0.0	1.7
2844.000000	48.36	---	74.00	25.64	500.0	100.0	V	32.0	2.8
2975.000000	---	37.13	54.00	16.87	500.0	200.0	H	0.0	3.3



Final Result

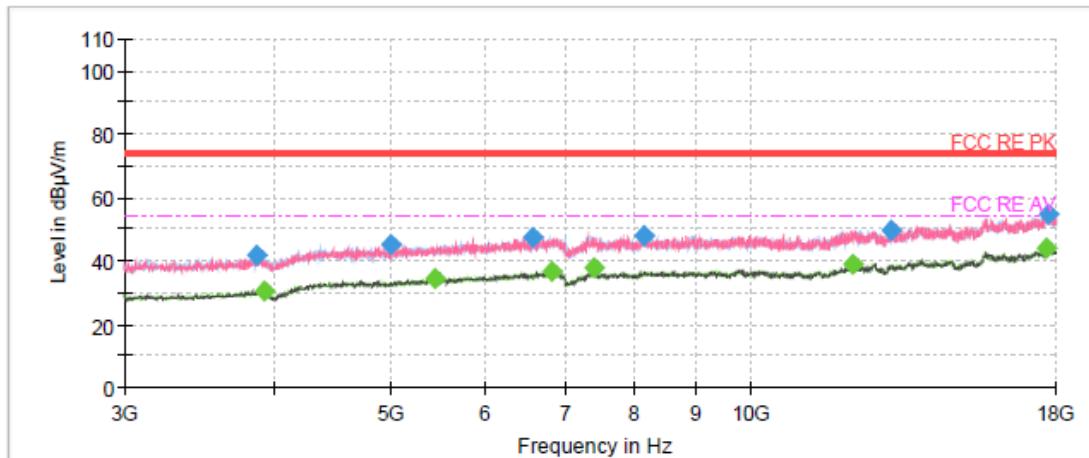
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3819.375000	---	30.58	54.00	23.42	500.0	200.0	H	3.0	-5.1
3920.625000	42.21	---	74.00	31.79	500.0	100.0	V	4.0	-5.1
5370.000000	---	34.35	54.00	19.65	500.0	100.0	H	26.0	-0.7
5439.375000	45.45	---	74.00	28.55	500.0	200.0	V	35.0	-0.4
6810.000000	48.39	---	74.00	25.61	500.0	200.0	V	43.0	1.1
6883.125000	---	36.65	54.00	17.35	500.0	100.0	H	3.0	1.0
7398.750000	48.52	---	74.00	25.48	500.0	200.0	V	35.0	2.0
9796.875000	---	37.17	54.00	16.83	500.0	200.0	V	19.0	3.2
12693.750000	---	39.01	54.00	14.99	500.0	100.0	H	10.0	5.1
13145.625000	50.26	---	74.00	23.74	500.0	200.0	V	19.0	4.9
17655.000000	---	44.26	54.00	9.74	500.0	200.0	V	45.0	9.8
17670.000000	55.54	---	74.00	18.46	500.0	200.0	V	19.0	9.8

802.11ax HE20 CH6



Final Result

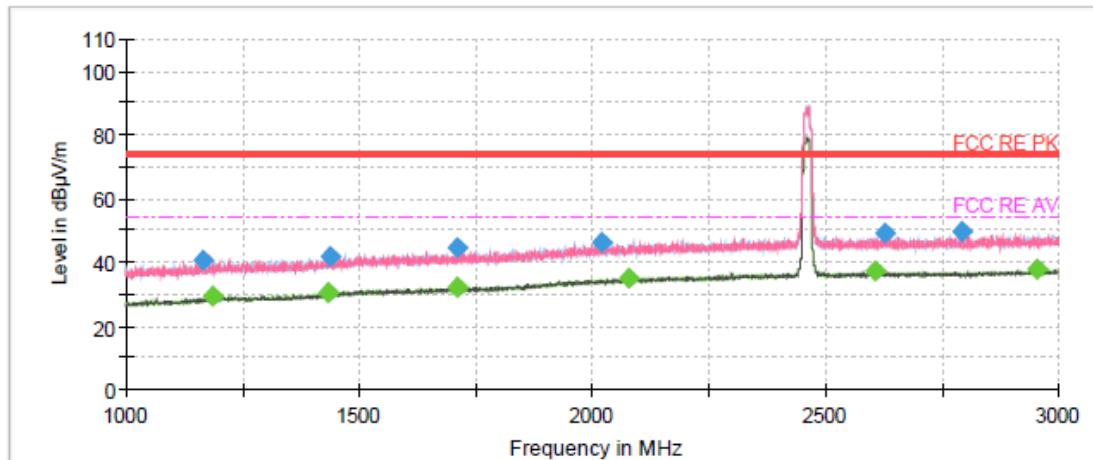
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1197.500000	---	29.07	54.00	24.93	500.0	200.0	H	13.0	-6.1
1199.750000	39.83	---	74.00	34.17	500.0	100.0	H	6.0	-6.1
1421.750000	---	30.24	54.00	23.76	500.0	100.0	H	28.0	-4.3
1437.000000	42.22	---	74.00	31.78	500.0	200.0	V	41.0	-4.2
1647.500000	---	32.05	54.00	21.95	500.0	100.0	H	28.0	-2.6
1717.500000	43.53	---	74.00	30.47	500.0	200.0	H	45.0	-2.1
2028.500000	46.08	---	74.00	27.92	500.0	200.0	H	42.0	0.1
2061.750000	---	34.81	54.00	19.19	500.0	200.0	H	1.0	0.2
2602.000000	47.47	---	74.00	26.53	500.0	100.0	V	45.0	1.8
2620.500000	---	36.74	54.00	17.26	500.0	200.0	H	6.0	1.8
2938.750000	48.84	---	74.00	25.16	500.0	200.0	V	45.0	3.2
2999.250000	---	37.92	54.00	16.08	500.0	100.0	V	27.0	3.5



Final Result

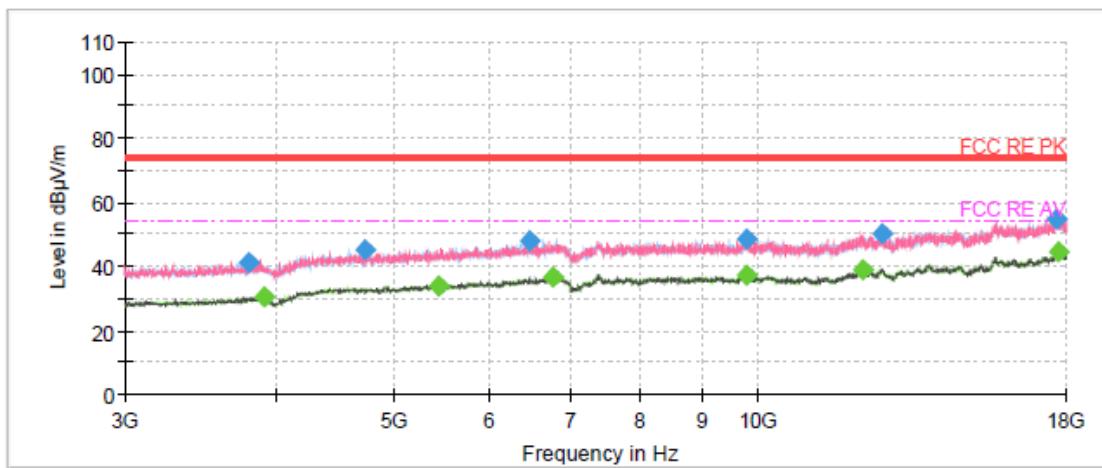
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3862.500000	41.54	--	74.00	32.46	500.0	100.0	V	45.0	-4.8
3926.250000	--	30.34	54.00	23.66	500.0	100.0	V	11.0	-5.2
5011.875000	44.97	--	74.00	29.03	500.0	200.0	H	17.0	-1.6
5450.625000	--	34.17	54.00	19.83	500.0	200.0	H	45.0	-0.5
6586.875000	47.61	--	74.00	26.39	500.0	100.0	H	41.0	0.9
6834.375000	--	36.53	54.00	17.47	500.0	200.0	H	0.0	1.1
7389.375000	--	37.76	54.00	16.24	500.0	200.0	V	35.0	2.0
8160.000000	48.19	--	74.00	25.81	500.0	100.0	H	45.0	2.7
12157.500000	--	38.78	54.00	15.22	500.0	200.0	V	45.0	4.5
13121.250000	49.84	--	74.00	24.16	500.0	200.0	V	45.0	4.8
17690.625000	--	44.05	54.00	9.96	500.0	200.0	V	35.0	9.8
17718.750000	54.81	--	74.00	19.19	500.0	200.0	H	0.0	9.9

802.11ax HE20 CH11



Final Result

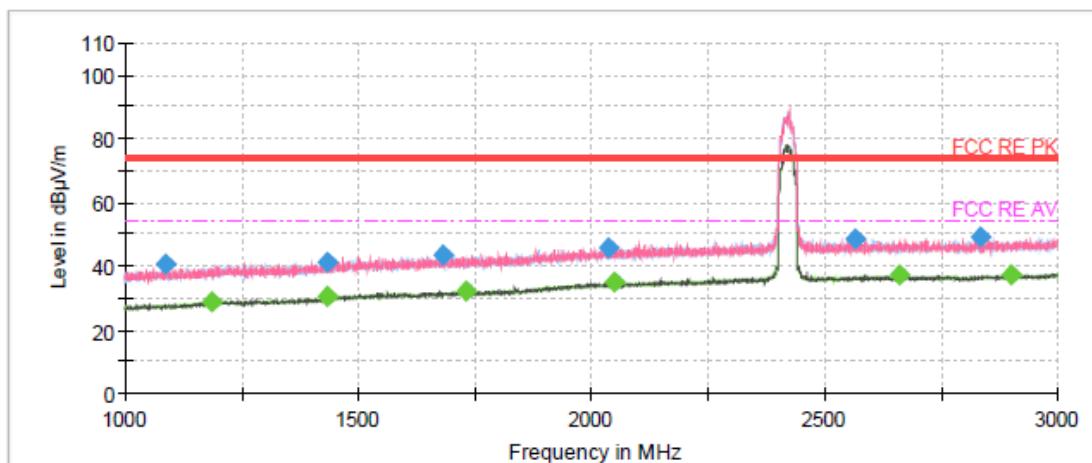
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1164.000000	40.36	---	74.00	33.64	500.0	200.0	H	34.0	-6.4
1187.500000	---	29.10	54.00	24.90	500.0	100.0	H	0.0	-6.2
1434.500000	---	30.39	54.00	23.61	500.0	100.0	V	32.0	-4.2
1437.750000	41.48	---	74.00	32.52	500.0	200.0	H	27.0	-4.2
1711.750000	---	31.99	54.00	22.01	500.0	200.0	V	44.0	-2.1
1712.250000	44.32	---	74.00	29.68	500.0	100.0	V	44.0	-2.1
2021.000000	46.40	---	74.00	27.60	500.0	200.0	H	45.0	0.1
2077.500000	---	34.92	54.00	19.08	500.0	200.0	V	32.0	0.2
2608.750000	---	37.41	54.00	16.59	500.0	100.0	V	0.0	1.8
2626.500000	49.22	---	74.00	24.78	500.0	200.0	V	44.0	1.8
2794.000000	49.61	---	74.00	24.39	500.0	200.0	V	39.0	2.6
2956.500000	---	37.67	54.00	16.33	500.0	100.0	H	5.0	3.2



Final Result

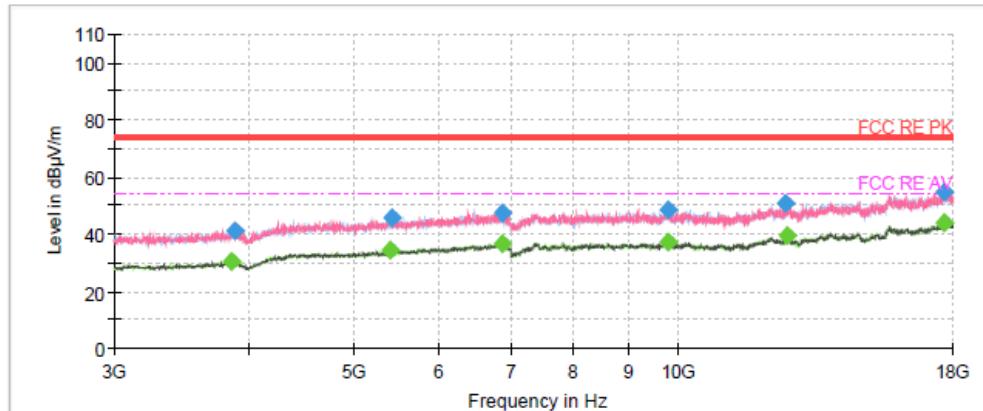
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3802.500000	41.45	—	74.00	32.55	500.0	200.0	H	0.0	-5.2
3905.625000	—	30.51	54.00	23.49	500.0	100.0	V	35.0	-4.9
4734.375000	45.38	—	74.00	28.62	500.0	100.0	H	0.0	-1.7
5443.125000	—	34.11	54.00	19.89	500.0	200.0	V	27.0	-0.4
6485.625000	47.82	—	74.00	26.18	500.0	200.0	H	10.0	0.9
6766.875000	—	36.56	54.00	17.44	500.0	100.0	H	34.0	1.0
9795.000000	—	37.38	54.00	16.62	500.0	200.0	H	0.0	3.2
9813.750000	48.40	—	74.00	25.60	500.0	200.0	V	19.0	3.2
12200.625000	—	39.16	54.00	14.84	500.0	100.0	V	19.0	4.6
12663.750000	50.47	—	74.00	23.53	500.0	200.0	H	0.0	5.1
17675.625000	54.84	—	74.00	19.16	500.0	200.0	V	35.0	9.8
17715.000000	—	44.29	54.00	9.71	500.0	200.0	V	0.0	9.9

802.11ax HE40 CH3



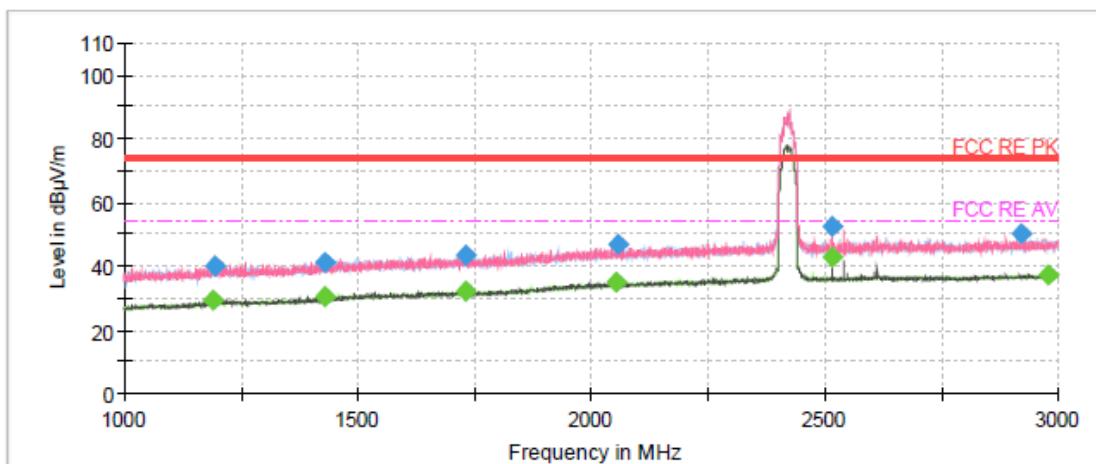
Final Result

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1085.750000	40.63	--	74.00	33.37	500.0	200.0	H	0.0	-7.0
1188.000000	--	28.96	54.00	25.04	500.0	100.0	V	3.0	-6.2
1434.750000	40.99	--	74.00	33.01	500.0	100.0	H	45.0	-4.2
1435.000000	--	30.23	54.00	23.77	500.0	200.0	V	39.0	-4.2
1682.250000	43.19	--	74.00	30.81	500.0	200.0	H	27.0	-2.3
1730.000000	--	32.30	54.00	21.70	500.0	100.0	H	0.0	-2.0
2037.750000	45.83	--	74.00	28.17	500.0	200.0	H	20.0	0.1
2049.500000	--	35.14	54.00	18.86	500.0	200.0	H	42.0	0.2
2568.000000	48.49	--	74.00	25.51	500.0	100.0	H	20.0	1.6
2662.000000	--	37.11	54.00	16.89	500.0	200.0	V	10.0	2.0
2836.250000	48.90	--	74.00	25.10	500.0	200.0	V	32.0	2.8
2900.000000	--	37.50	54.00	16.50	500.0	200.0	H	0.0	3.0



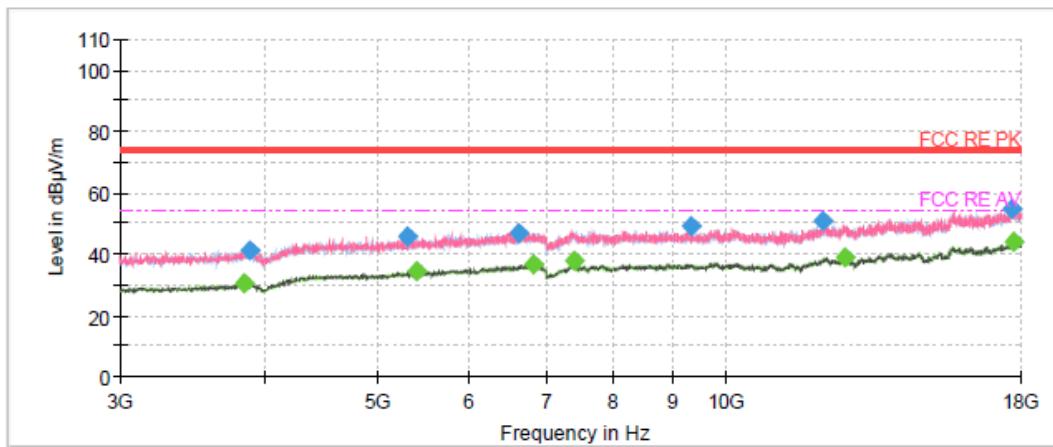
Final Result

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3858.750000	--	30.24	54.00	23.76	500.0	200.0	V	45.0	-4.9
3885.000000	41.15	--	74.00	32.85	500.0	100.0	V	45.0	-4.8
5405.625000	--	34.24	54.00	19.76	500.0	100.0	V	45.0	-0.4
5433.750000	45.70	--	74.00	28.30	500.0	200.0	H	0.0	-0.4
6864.375000	47.58	--	74.00	26.42	500.0	200.0	V	42.0	1.1
6888.750000	--	36.68	54.00	17.32	500.0	200.0	H	0.0	1.0
9793.125000	48.62	--	74.00	25.38	500.0	100.0	H	42.0	3.2
9800.625000	--	37.29	54.00	16.71	500.0	200.0	H	10.0	3.2
12581.250000	50.65	--	74.00	23.35	500.0	200.0	V	0.0	4.7
12650.625000	--	39.24	54.00	14.76	500.0	100.0	V	35.0	5.1
17640.000000	54.89	--	74.00	19.11	500.0	200.0	V	3.0	9.8
17686.875000	--	44.17	54.00	9.83	500.0	200.0	V	45.0	9.8



Final Result

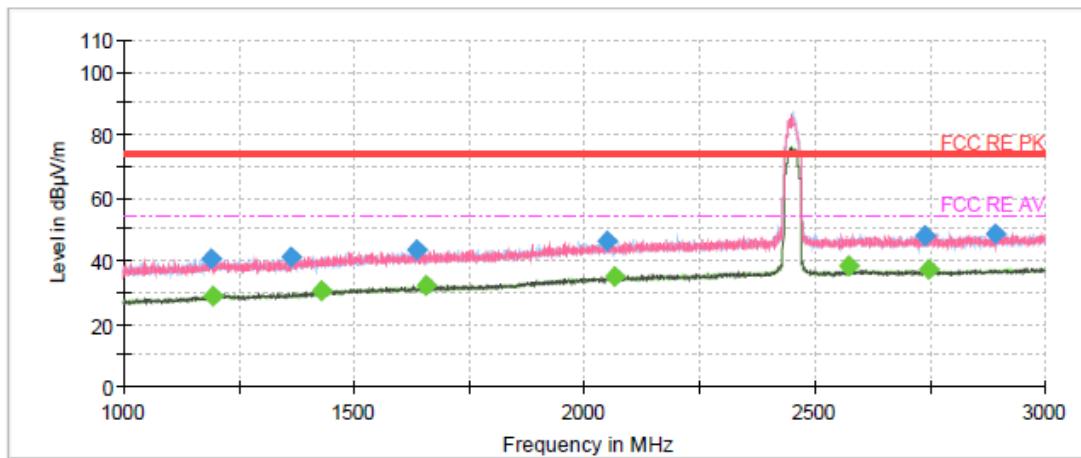
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1188.250000	---	29.15	54.00	24.85	500.0	200.0	H	28.0	-6.2
1193.250000	40.16	---	74.00	33.84	500.0	100.0	H	0.0	-6.1
1429.250000	41.34	---	74.00	32.66	500.0	100.0	V	26.0	-4.2
1430.750000	---	30.37	54.00	23.63	500.0	200.0	H	0.0	-4.2
1731.250000	43.27	---	74.00	30.73	500.0	200.0	H	0.0	-2.0
1731.750000	---	32.05	54.00	21.95	500.0	200.0	V	10.0	-2.0
2055.000000	---	35.19	54.00	18.81	500.0	100.0	V	0.0	0.2
2058.250000	47.05	---	74.00	26.95	500.0	200.0	H	35.0	0.2
2517.000000	---	42.59	54.00	11.41	500.0	200.0	V	18.0	1.4
2517.000000	52.34	---	74.00	21.66	500.0	100.0	V	18.0	1.4
2922.250000	50.03	---	74.00	23.97	500.0	200.0	V	26.0	3.1
2979.250000	---	37.23	54.00	16.77	500.0	200.0	H	0.0	3.4



Final Result

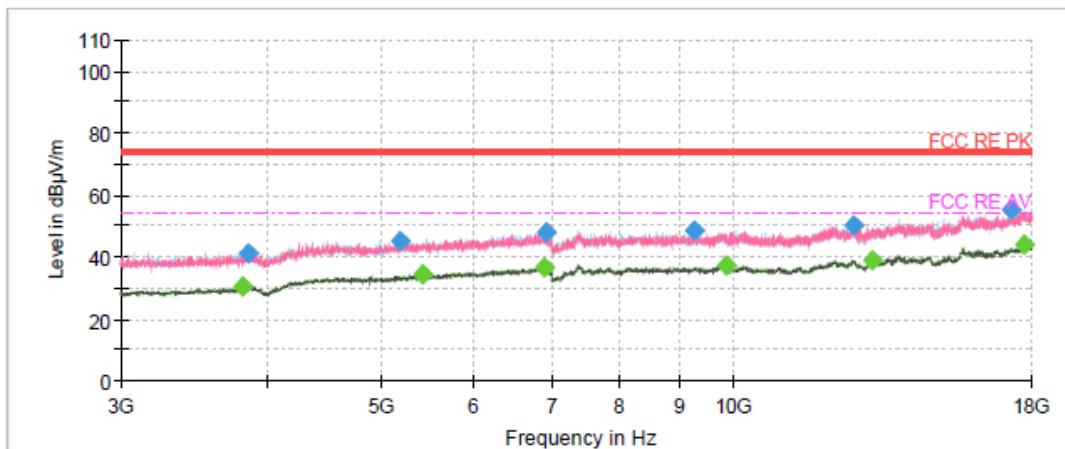
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3845.625000	---	30.54	54.00	23.46	500.0	100.0	V	45.0	-4.9
3879.375000	41.31	---	74.00	32.69	500.0	200.0	H	2.0	-4.8
5317.500000	45.53	---	74.00	28.47	500.0	100.0	V	42.0	-0.8
5405.625000	---	34.52	54.00	19.48	500.0	200.0	V	45.0	-0.4
6633.750000	47.09	---	74.00	26.91	500.0	100.0	H	42.0	0.9
6821.125000	---	36.89	54.00	17.11	500.0	200.0	H	34.0	1.1
7398.750000	---	37.55	54.00	16.45	500.0	200.0	H	16.0	2.0
9352.500000	49.16	---	74.00	24.84	500.0	100.0	H	0.0	3.0
12136.875000	50.51	---	74.00	23.49	500.0	200.0	H	42.0	4.4
12678.750000	---	38.97	54.00	15.03	500.0	200.0	H	45.0	5.1
17681.125000	54.98	---	74.00	19.02	500.0	100.0	H	45.0	9.8
17761.875000	---	43.87	54.00	10.13	500.0	200.0	H	16.0	9.9

802.11ax HE40 CH9



Final Result

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1188.750000	40.64	---	74.00	33.36	500.0	100.0	V	25.0	-6.2
1195.250000	---	29.00	54.00	25.00	500.0	100.0	H	25.0	-6.1
1364.250000	41.37	---	74.00	32.63	500.0	200.0	H	32.0	-4.8
1430.500000	---	30.45	54.00	23.55	500.0	100.0	V	33.0	-4.2
1635.000000	43.57	---	74.00	30.43	500.0	100.0	V	45.0	-2.7
1657.250000	---	32.12	54.00	21.88	500.0	200.0	H	44.0	-2.5
2051.500000	46.10	---	74.00	27.90	500.0	200.0	H	39.0	0.2
2067.500000	---	34.74	54.00	19.26	500.0	100.0	H	32.0	0.2
2574.000000	---	38.35	54.00	15.65	500.0	200.0	H	0.0	1.6
2740.500000	48.15	---	74.00	25.85	500.0	200.0	V	3.0	2.3
2749.500000	---	36.96	54.00	17.04	500.0	100.0	V	0.0	2.4
2891.750000	48.68	---	74.00	25.32	500.0	200.0	V	40.0	3.0

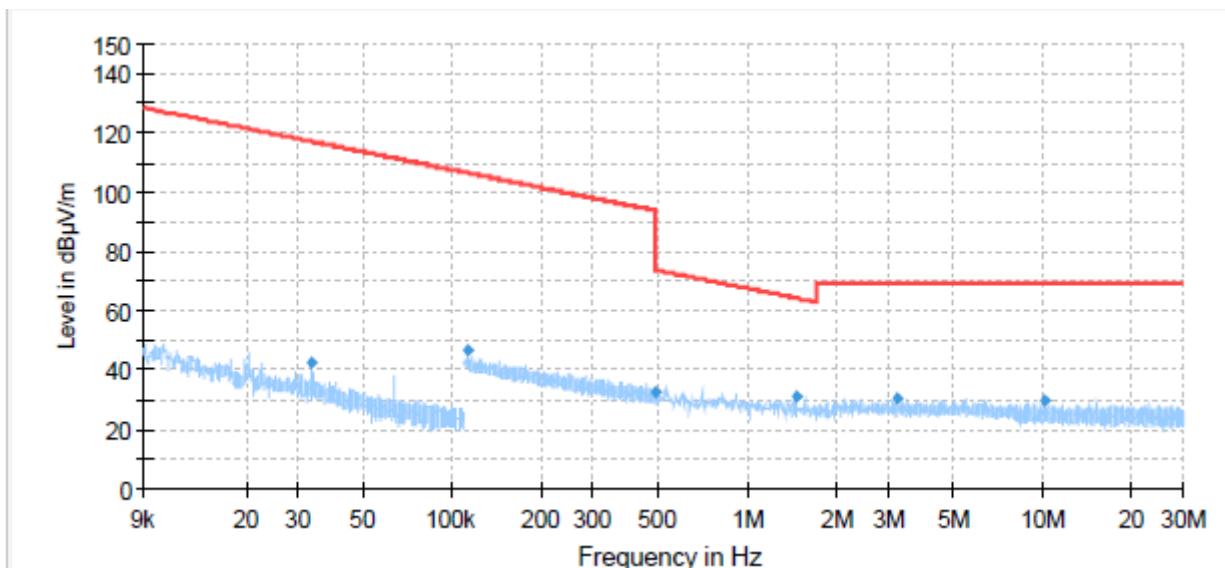


Final Result

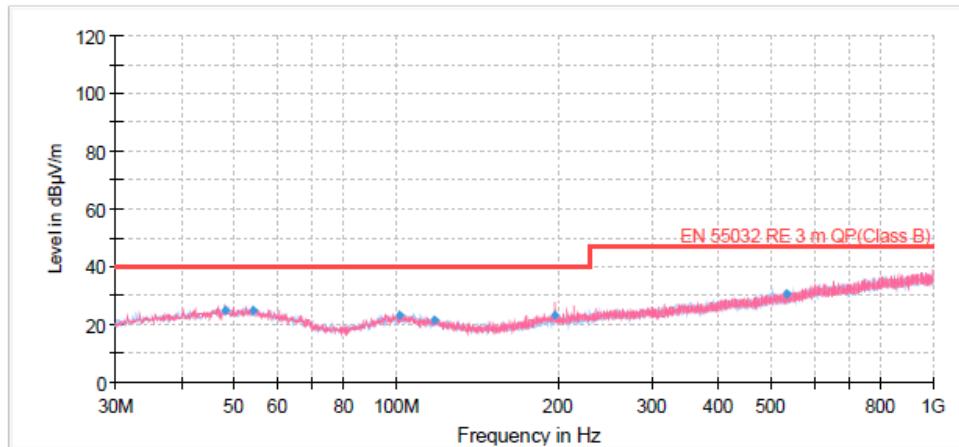
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3810.000000	---	30.43	54.00	23.57	500.0	200.0	H	0.0	-5.1
3851.250000	41.17	---	74.00	32.83	500.0	100.0	V	28.0	-4.9
5190.000000	45.05	---	74.00	28.95	500.0	100.0	H	26.0	-1.1
5435.625000	---	34.21	54.00	19.79	500.0	200.0	H	0.0	-0.4
6898.125000	---	36.72	54.00	17.28	500.0	200.0	H	3.0	0.9
6935.625000	47.71	---	74.00	26.29	500.0	100.0	H	26.0	0.1
9275.625000	48.48	---	74.00	25.52	500.0	200.0	V	12.0	3.0
9855.000000	---	37.33	54.00	16.67	500.0	200.0	V	4.0	3.1
12678.750000	50.42	---	74.00	23.58	500.0	200.0	H	42.0	5.1
13143.750000	---	38.93	54.00	15.07	500.0	100.0	H	0.0	4.9
17295.000000	55.02	---	74.00	18.98	500.0	200.0	V	45.0	9.3
17756.250000	---	43.92	54.00	10.08	500.0	200.0	H	3.0	9.9

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 condition was recorded in this report.



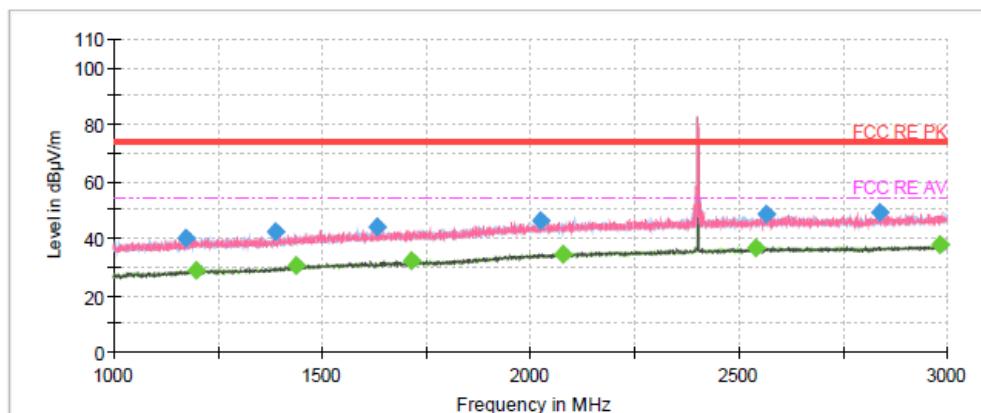
Radiates Emission from 9kHz to 30MHz



Final Result

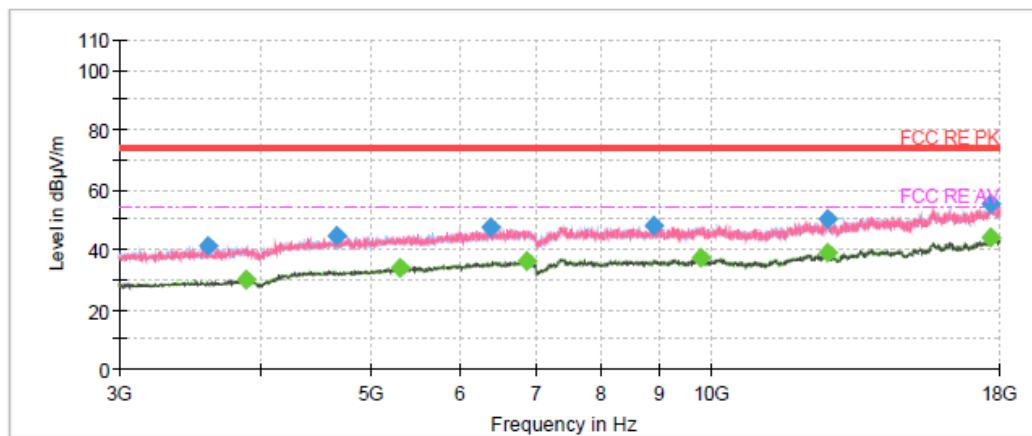
Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
48.19	24.70	40.00	15.30	1000.00	120.000	108.0	V	159.00	20
54.25	24.66	40.00	15.34	1000.00	120.000	112.0	V	60.00	20
101.17	23.00	40.00	17.00	1000.00	120.000	188.0	H	7.00	19
117.91	21.44	40.00	18.56	1000.00	120.000	106.0	V	1.00	17
197.93	23.05	40.00	16.95	1000.00	120.000	212.0	V	242.00	18
533.79	30.36	47.00	16.64	1000.00	120.000	198.0	H	41.00	26

Bluetooth LE-Channel 0



Final Result

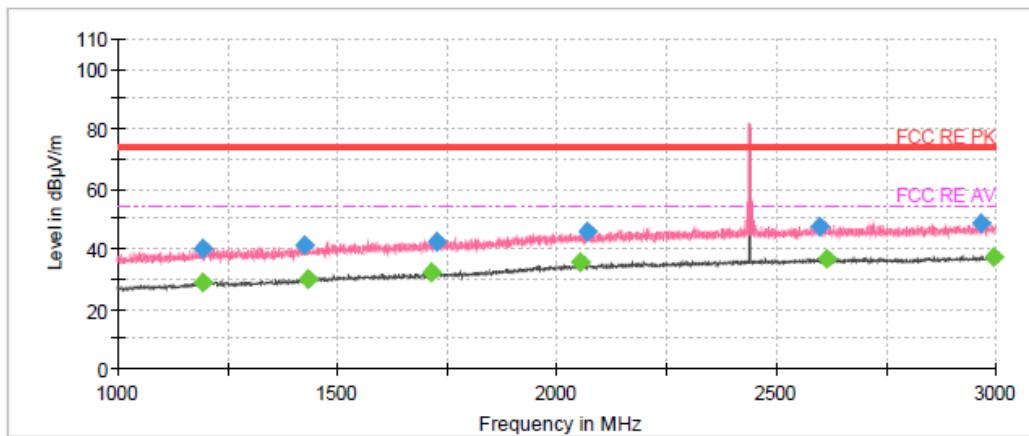
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1175.000000	40.07	---	74.00	33.93	500.0	200.0	V	4.0	-6.3
1198.000000	---	28.74	54.00	25.26	500.0	100.0	H	44.0	-6.1
1389.250000	42.03	---	74.00	31.97	500.0	200.0	H	44.0	-4.6
1436.250000	---	30.21	54.00	23.79	500.0	100.0	H	0.0	-4.2
1631.500000	43.72	---	74.00	30.28	500.0	200.0	V	33.0	-2.7
1715.750000	---	31.93	54.00	22.07	500.0	200.0	H	39.0	-2.1
2023.000000	46.00	---	74.00	28.00	500.0	100.0	H	44.0	0.1
2077.250000	---	34.60	54.00	19.40	500.0	200.0	V	4.0	0.2
2543.250000	---	36.65	54.00	17.35	500.0	200.0	V	25.0	1.4
2567.000000	48.30	---	74.00	25.70	500.0	100.0	H	39.0	1.6
2839.500000	49.23	---	74.00	24.77	500.0	200.0	V	11.0	2.8
2983.250000	---	37.60	54.00	16.40	500.0	100.0	H	25.0	3.4



Final Result

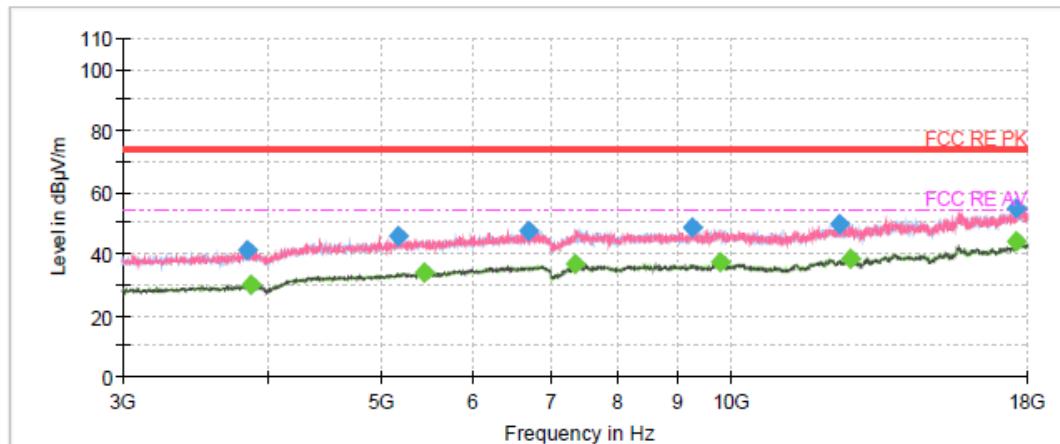
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3596.250000	41.37	---	74.00	32.63	500.0	200.0	H	35.0	-5.8
3881.250000	---	30.11	54.00	23.89	500.0	100.0	V	24.0	-4.8
4665.000000	44.63	---	74.00	29.37	500.0	100.0	V	16.0	-1.6
5319.375000	---	34.08	54.00	19.92	500.0	200.0	V	24.0	-0.8
6386.250000	47.28	---	74.00	26.72	500.0	200.0	V	24.0	0.7
6875.625000	---	36.23	54.00	17.77	500.0	100.0	H	19.0	1.0
8885.625000	48.10	---	74.00	25.90	500.0	200.0	V	1.0	3.1
9810.000000	---	37.18	54.00	16.82	500.0	200.0	V	8.0	3.2
12671.250000	50.03	---	74.00	23.97	500.0	100.0	V	8.0	5.1
12673.125000	---	38.94	54.00	15.06	500.0	200.0	V	40.0	5.1
17679.375000	55.27	---	74.00	18.73	500.0	200.0	V	24.0	9.8
17701.875000	---	43.73	54.00	10.27	500.0	100.0	V	40.0	9.8

Bluetooth LE-Channel 19



Final Result

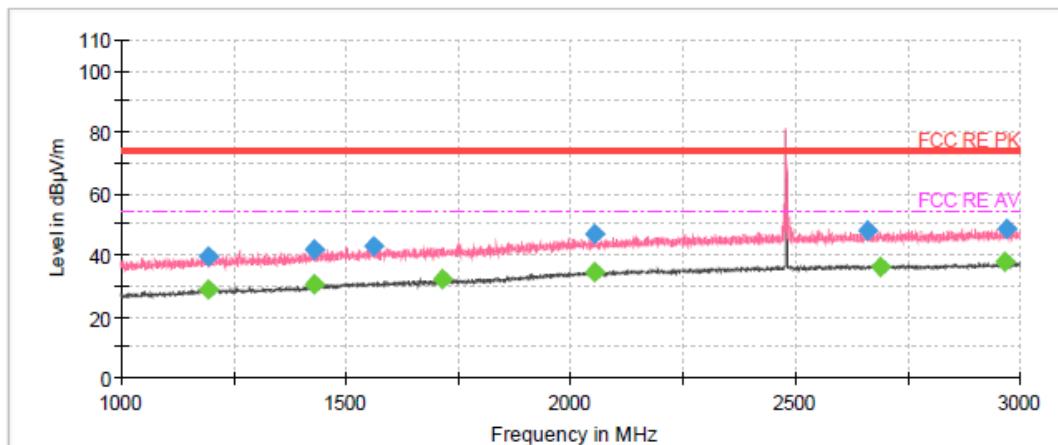
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1195.750000	---	28.76	54.00	25.24	500.0	200.0	V	45.0	-6.1
1196.000000	39.99	---	74.00	34.01	500.0	100.0	V	22.0	-6.1
1427.500000	41.23	---	74.00	32.77	500.0	200.0	V	45.0	-4.2
1433.250000	---	29.96	54.00	24.04	500.0	100.0	H	3.0	-4.2
1713.000000	---	32.17	54.00	21.83	500.0	200.0	V	32.0	-2.1
1728.500000	42.57	---	74.00	31.43	500.0	200.0	V	45.0	-2.0
2055.500000	---	35.28	54.00	18.72	500.0	100.0	H	32.0	0.2
2072.000000	45.74	---	74.00	28.26	500.0	200.0	V	3.0	0.2
2601.000000	47.32	---	74.00	26.68	500.0	200.0	V	0.0	1.8
2616.000000	---	36.66	54.00	17.34	500.0	100.0	H	22.0	1.8
2968.500000	48.43	---	74.00	25.57	500.0	200.0	V	22.0	3.3
2996.750000	---	37.39	54.00	16.61	500.0	100.0	H	0.0	3.4



Final Result

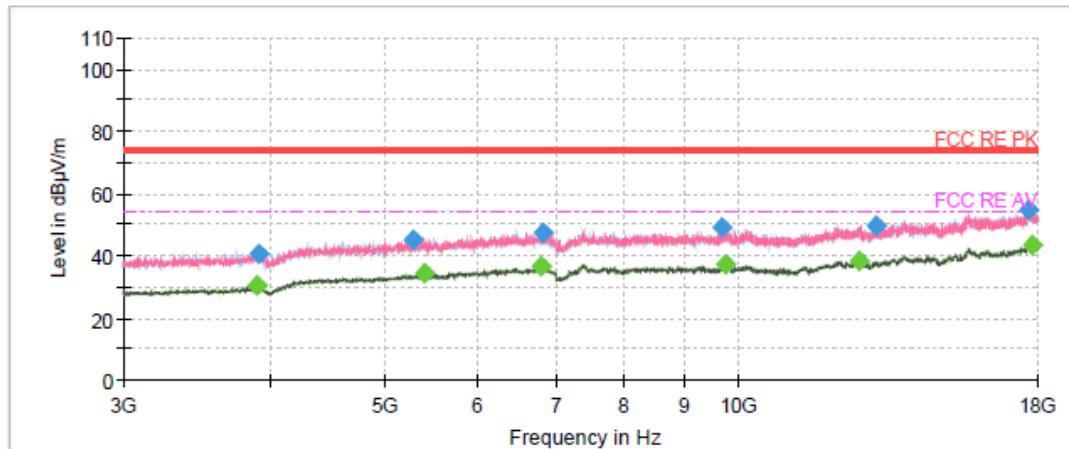
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3843.750000	41.40	---	74.00	32.60	500.0	200.0	V	0.0	-4.9
3864.375000	---	30.03	54.00	23.97	500.0	100.0	H	36.0	-4.8
5182.500000	45.60	---	74.00	28.40	500.0	100.0	H	43.0	-1.1
5446.875000	---	33.87	54.00	20.13	500.0	200.0	V	0.0	-0.5
6701.250000	47.24	---	74.00	26.76	500.0	200.0	V	0.0	0.9
7342.500000	---	36.62	54.00	17.38	500.0	100.0	H	0.0	1.8
9258.750000	48.24	---	74.00	25.76	500.0	200.0	V	0.0	3.0
9800.625000	---	37.36	54.00	16.64	500.0	200.0	V	0.0	3.2
12395.625000	49.71	---	74.00	24.29	500.0	100.0	H	45.0	4.6
12697.500000	---	38.42	54.00	15.58	500.0	200.0	V	0.0	5.1
17602.500000	54.75	---	74.00	19.25	500.0	200.0	V	10.0	9.8
17638.125000	---	43.78	54.00	10.22	500.0	100.0	H	28.0	9.8

Bluetooth LE-Channel 39



Final Result

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1193.250000	---	28.94	54.00	25.06	500.0	200.0	V	24.0	-6.1
1196.000000	39.25	---	74.00	34.75	500.0	100.0	V	0.0	-6.1
1429.750000	41.50	---	74.00	32.50	500.0	200.0	V	0.0	-4.2
1429.750000	---	30.26	54.00	23.74	500.0	200.0	H	0.0	-4.2
1560.250000	42.75	---	74.00	31.25	500.0	100.0	V	0.0	-3.2
1715.500000	---	31.93	54.00	22.07	500.0	200.0	V	4.0	-2.1
2054.250000	46.71	---	74.00	27.29	500.0	200.0	H	0.0	0.2
2055.250000	---	34.54	54.00	19.46	500.0	100.0	H	4.0	0.2
2662.750000	47.80	---	74.00	26.20	500.0	200.0	V	14.0	2.0
2691.000000	---	36.11	54.00	17.89	500.0	200.0	V	0.0	2.1
2965.750000	---	37.70	54.00	16.30	500.0	100.0	H	24.0	3.3
2973.000000	48.62	---	74.00	25.38	500.0	200.0	V	4.0	3.3



Final Result

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3890.625000	---	30.28	54.00	23.72	500.0	200.0	H	5.0	-4.9
3918.750000	40.79	---	74.00	33.21	500.0	100.0	H	13.0	-5.1
5300.625000	45.23	---	74.00	28.77	500.0	100.0	V	2.0	-0.8
5401.875000	---	34.43	54.00	19.57	500.0	200.0	H	44.0	-0.4
6795.000000	---	36.45	54.00	17.55	500.0	200.0	H	29.0	1.1
6836.250000	47.40	---	74.00	26.60	500.0	100.0	V	34.0	1.1
9706.875000	49.09	---	74.00	24.91	500.0	200.0	V	2.0	3.1
9766.875000	---	37.27	54.00	16.73	500.0	100.0	H	21.0	3.2
12660.000000	---	38.61	54.00	15.39	500.0	200.0	H	5.0	5.1
13098.750000	49.38	---	74.00	24.62	500.0	200.0	H	44.0	4.7
17701.875000	54.47	---	74.00	19.53	500.0	200.0	H	44.0	9.8
17776.875000	---	43.60	54.00	10.40	500.0	100.0	H	5.0	10.0

5.7. Conducted Emission

Ambient Condition

Temperature	Relative humidity
15°C ~ 35°C	20% ~ 80%

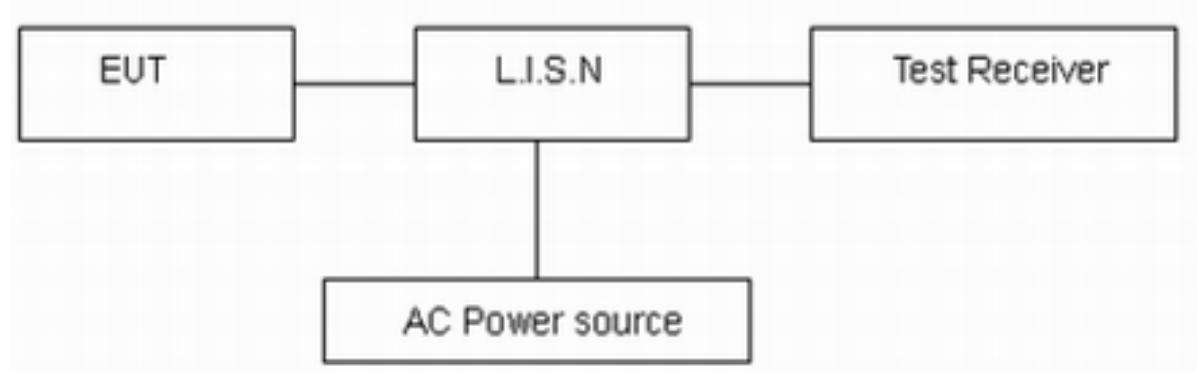
Methods of Measurement

The EUT is placed on a non-metallic table of 80cm height above the horizontal metal reference ground plane. During the test, the EUT was operating in its typical mode. The test method is according to ANSI C63.10. Connect the AC power line of the EUT to the L.I.S.N. Use EMI receiver to detect the average and Quasi-peak value. RBW is set to 9 kHz, VBW is set to 30kHz.

The measurement result should include both L line and N line.

The test is in transmitting mode.

Test Setup



Note: AC Power source is used to change the voltage 120V/60Hz.

Limits

Frequency (MHz)	Conducted Limits(dB μ V)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56 *	56 to 46*
0.5 - 5	56	46
5 - 30	60	50

*: Decreases with the logarithm of the frequency.

Measurement Uncertainty

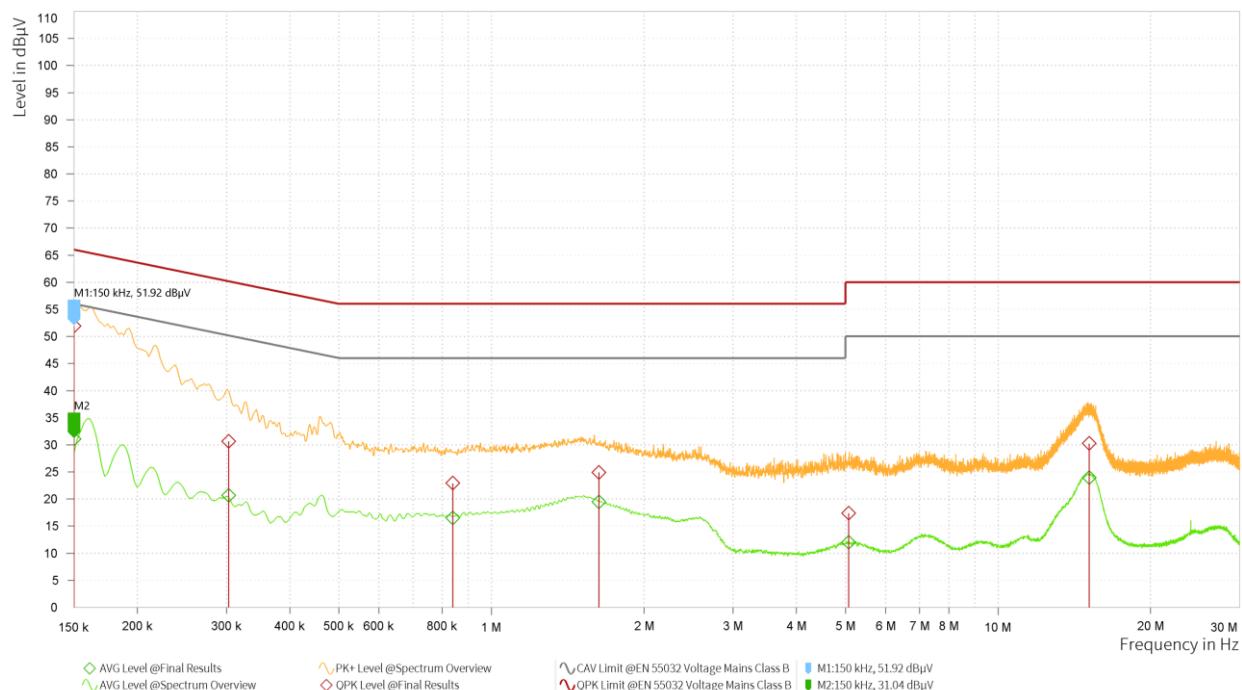
The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 1.96$, $U = 2.69$ dB.

Test Results:

Following plots, Blue trace uses the peak detection and Green trace uses the average detection.

Wi-Fi 2.4GHz

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.



EMI Final Results

Rg	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]
1	0.150	51.92	66.00	14.08	31.04	56.00	24.96	20.90	L1	9.000	1.000
1	0.303	30.65	60.16	29.51	20.65	50.16	29.51	20.94	L1	9.000	1.000
1	0.839	22.91	56.00	33.09	16.48	46.00	29.52	20.29	L1	9.000	1.000
1	1.631	24.90	56.00	31.10	19.45	46.00	26.55	19.78	L1	9.000	1.000
1	5.071	17.37	60.00	42.63	11.98	50.00	38.02	19.40	L1	9.000	1.000
1	15.135	30.23	60.00	29.77	23.92	50.00	26.08	19.51	L1	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

L line Conducted Emission from 150 kHz to 30 MHz



EMI Final Results

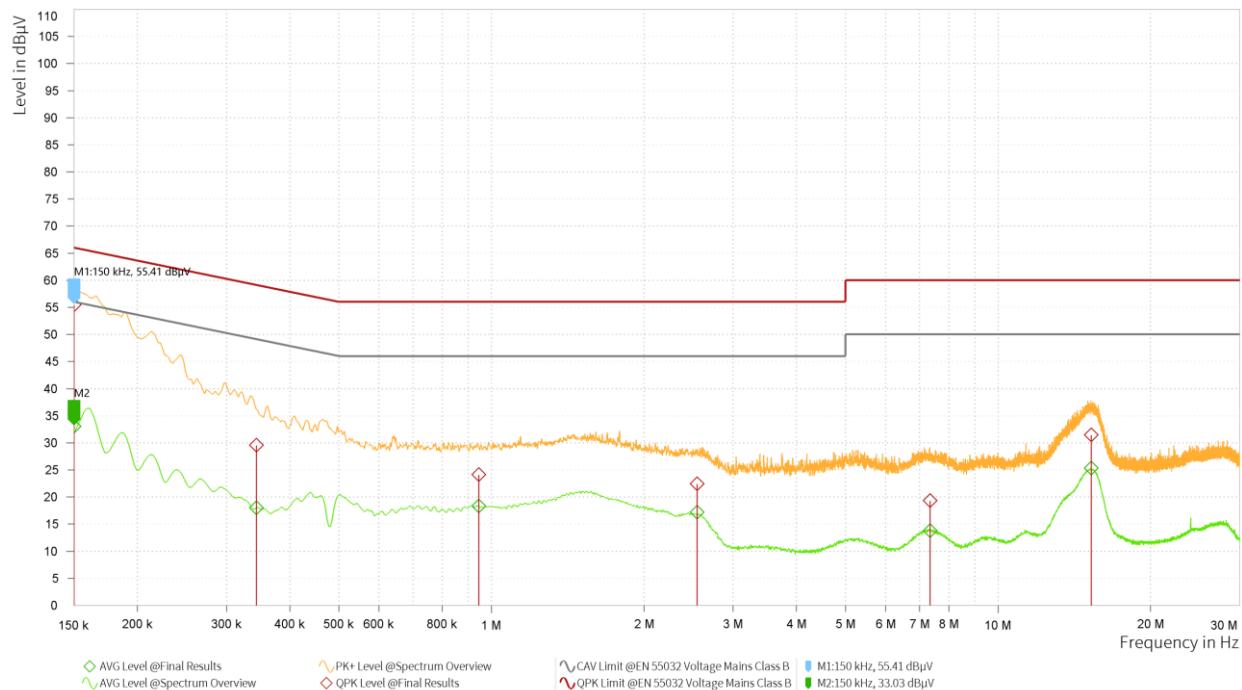
Rg	Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG: CAV Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
1	0.150	52.14	66.00	13.86	31.62	56.00	24.38	20.91	N	9.000	1.000
1	0.350	28.23	58.96	30.73	20.43	48.96	28.53	20.93	N	9.000	1.000
1	0.724	26.45	56.00	29.55	19.11	46.00	26.89	20.55	N	9.000	1.000
1	1.484	28.74	56.00	27.26	23.32	46.00	22.68	19.86	N	9.000	1.000
1	4.931	18.22	56.00	37.78	12.78	46.00	33.22	19.41	N	9.000	1.000
1	15.135	29.94	60.00	30.06	23.50	50.00	26.50	19.54	N	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 kHz to 30 MHz

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.

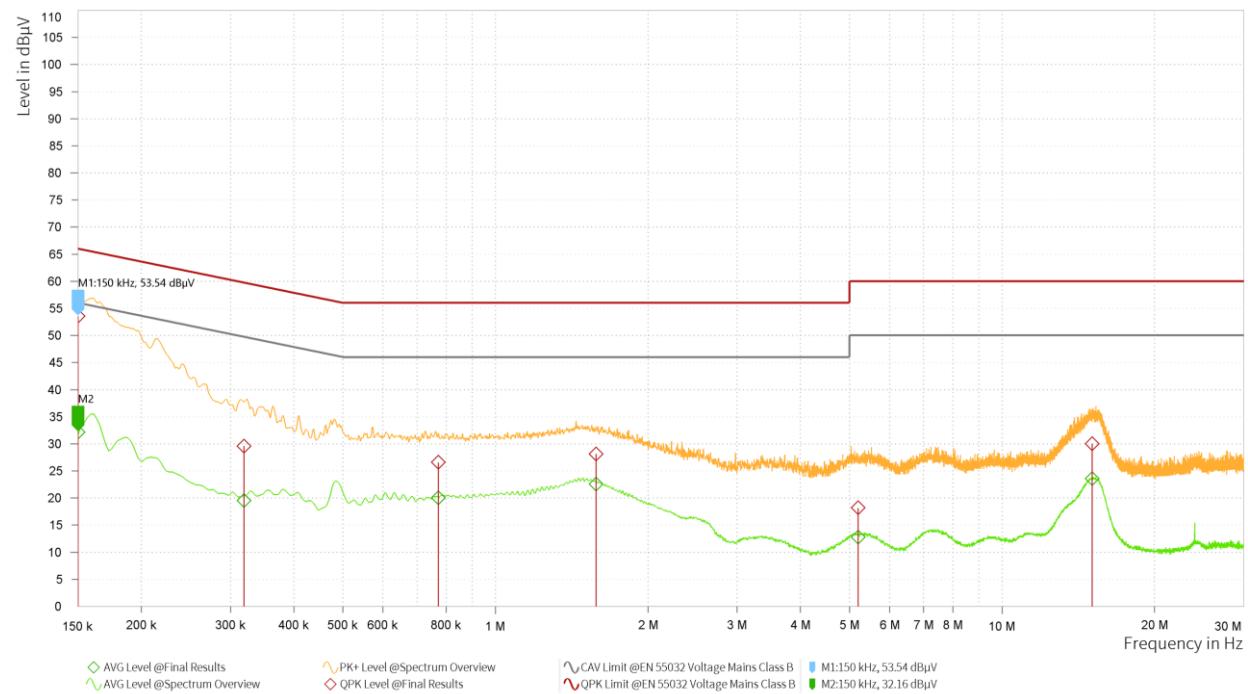


EMI Final Results

Rg	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]
1	0.150	55.41	66.00	10.59	33.03	56.00	22.97	20.90	L1	9.000	1.000
1	0.344	29.55	59.12	29.57	17.98	49.12	31.13	20.93	L1	9.000	1.000
1	0.944	24.10	56.00	31.90	18.34	46.00	27.66	20.20	L1	9.000	1.000
1	2.546	22.41	56.00	33.59	17.16	46.00	28.84	19.54	L1	9.000	1.000
1	7.348	19.32	60.00	40.68	13.77	50.00	36.23	19.41	L1	9.000	1.000
1	15.277	31.44	60.00	28.56	25.32	50.00	24.68	19.51	L1	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

L line Conducted Emission from 150 kHz to 30 MHz



EMI Final Results

Rg	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]
1	0.150	53.54	66.00	12.46	32.16	56.00	23.84	20.91	N	9.000	1.000
1	0.319	29.58	59.74	30.16	19.51	49.74	30.23	20.93	N	9.000	1.000
1	0.771	26.56	56.00	29.44	20.03	46.00	25.97	20.36	N	9.000	1.000
1	1.581	28.13	56.00	27.87	22.57	46.00	23.43	19.81	N	9.000	1.000
1	5.204	18.16	60.00	41.84	12.73	50.00	37.27	19.41	N	9.000	1.000
1	15.065	30.01	60.00	29.99	23.57	50.00	26.43	19.54	N	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 kHz to 30 MHz

6. Main Test Instruments

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
Power sensor	R&S	NRP18S	101954	2024-05-07	2025-05-06
Spectrum Analyzer	KEYSIGHT	N9020A	MY51330870	2024-05-07	2025-05-06
EMI Test Receiver	R&S	ESCI3	100948	2024-05-07	2025-05-06
Signal Analyzer	R&S	FSV40	101186	2024-05-07	2025-05-06
Loop Antenna	SCHWARZBECK	FMZB1519	1519-047	2023-04-16	2026-04-15
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9163	1023	2023-07-14	2026-07-13
Horn Antenna	SCHWARZBECK	BBHA 9120D	430	2024-07-18	2027-07-17
Amplifier	MWPA.CN	MWLA-010 200G40	YQ2103039B 01	2024-05-07	2025-05-06
Software	R&S	EMC32	9.26.01	/	/
EMI Test Receiver	R&S	ESR	102721	2024-05-07	2025-05-06
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9163	01615	2023-10-19	2026-10-18
Signal Analyzer	R&S	FSV3044	103495	2024-05-07	2025-05-06
Horn Antenna	R&S	HF907	102724	2024-07-23	2027-07-22
Software	R&S	ELEKTRA	5.02.1	/	/
Artificial main network	R&S	ENV216	102191	2024-12-02	2026-12-01
EMI Test Receiver	R&S	ESR	101667	2024-05-07	2025-05-06
Software	R&S	EMC32	10.35.10	/	/

ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.

ANNEX B: Test Setup Photos

The Test Setup Photos are submitted separately.

***** END OF REPORT *****