

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 lie-down 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

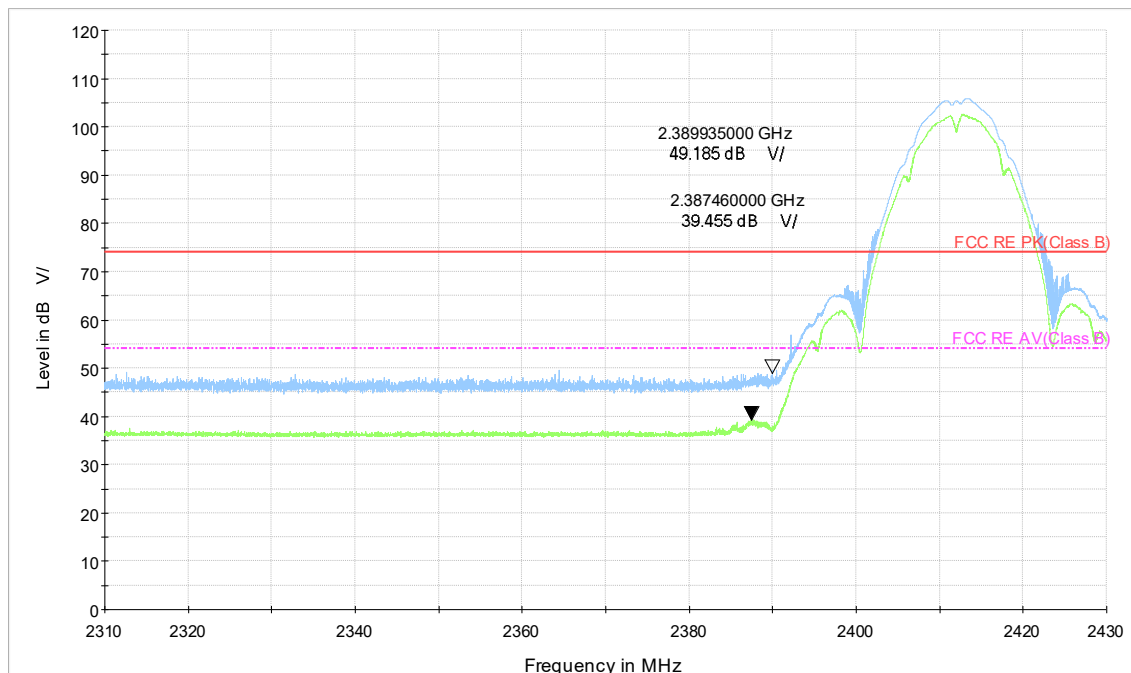
The following graphs display the maximum values of horizontal and vertical by software.

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

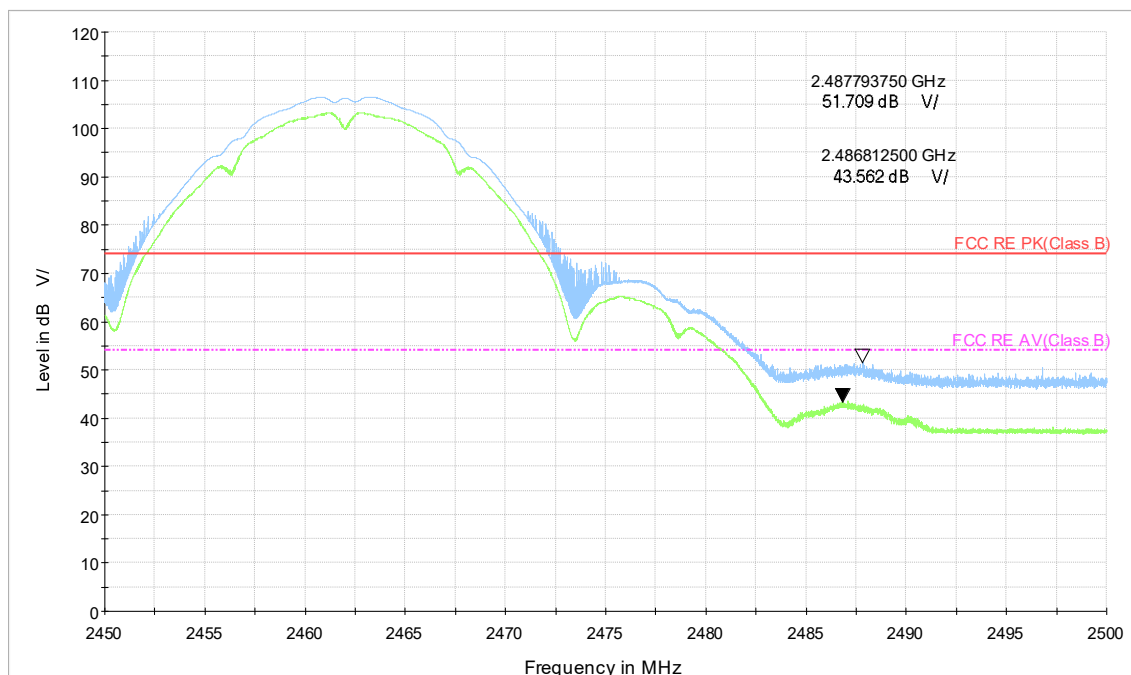
A symbol ($\text{dB } \mu\text{V/m}$) in the test plot below means ($\text{dB}\mu\text{V/m}$)

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

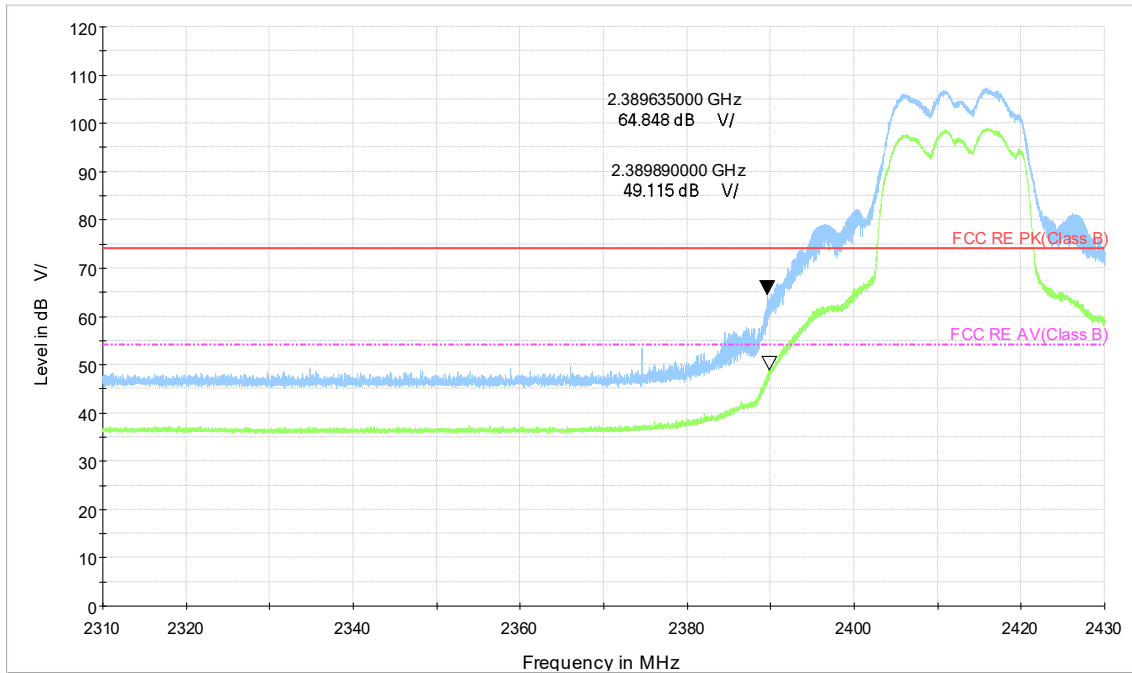
The signal beyond the limit is carrier.



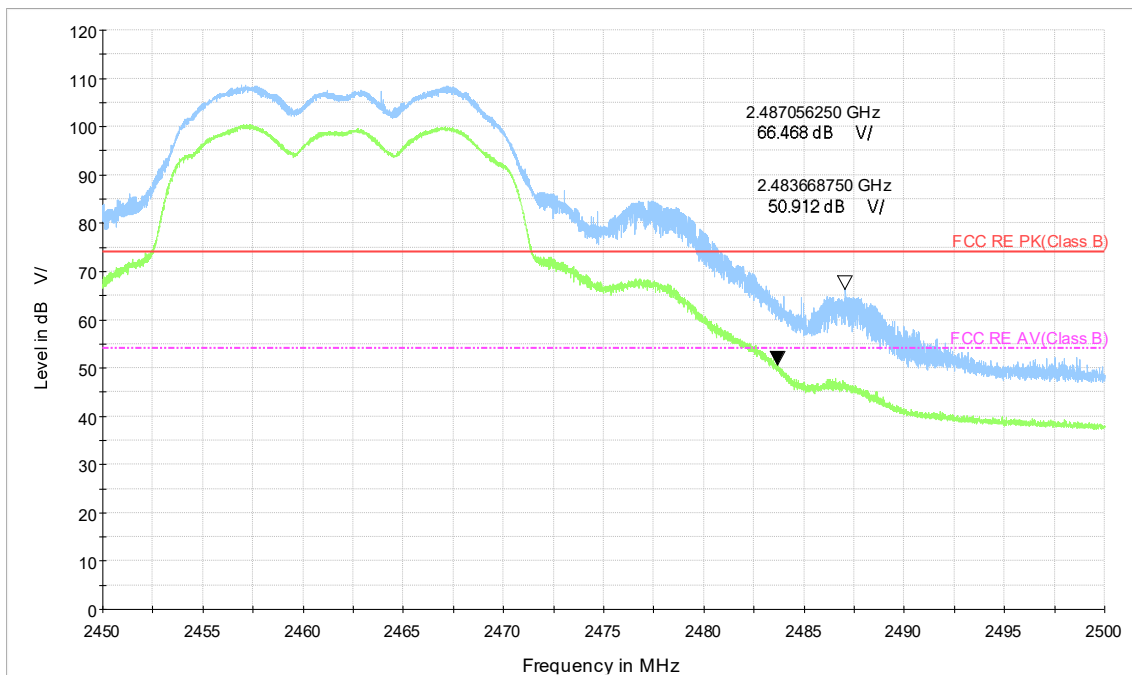
802.11b CH1



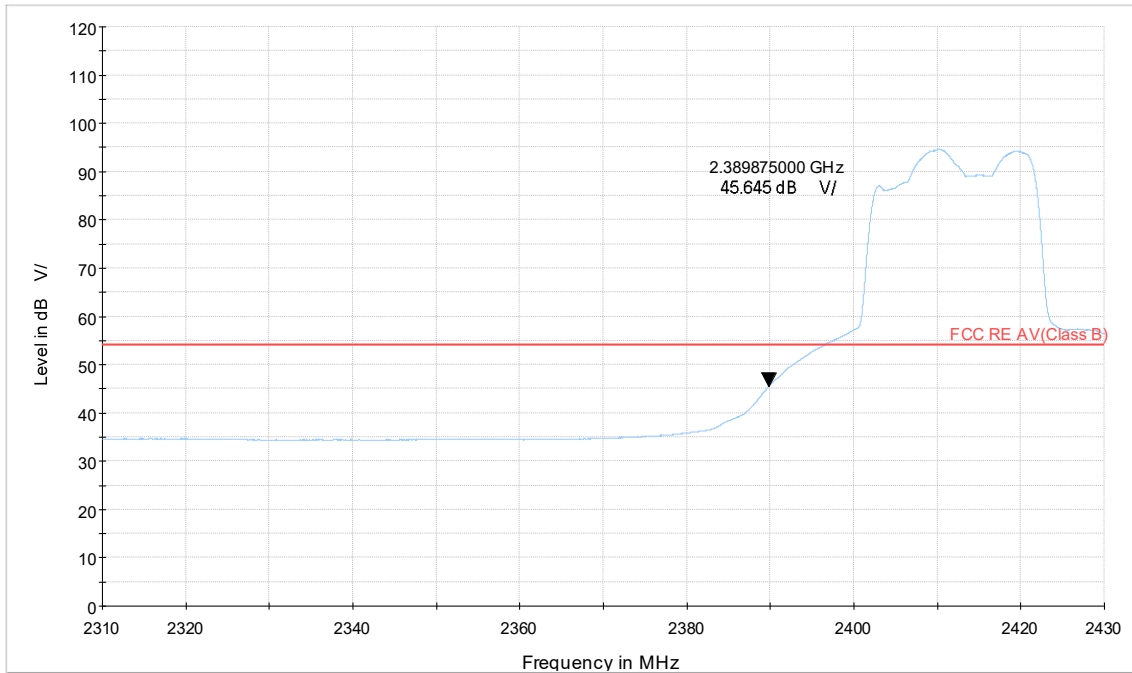
802.11b CH11



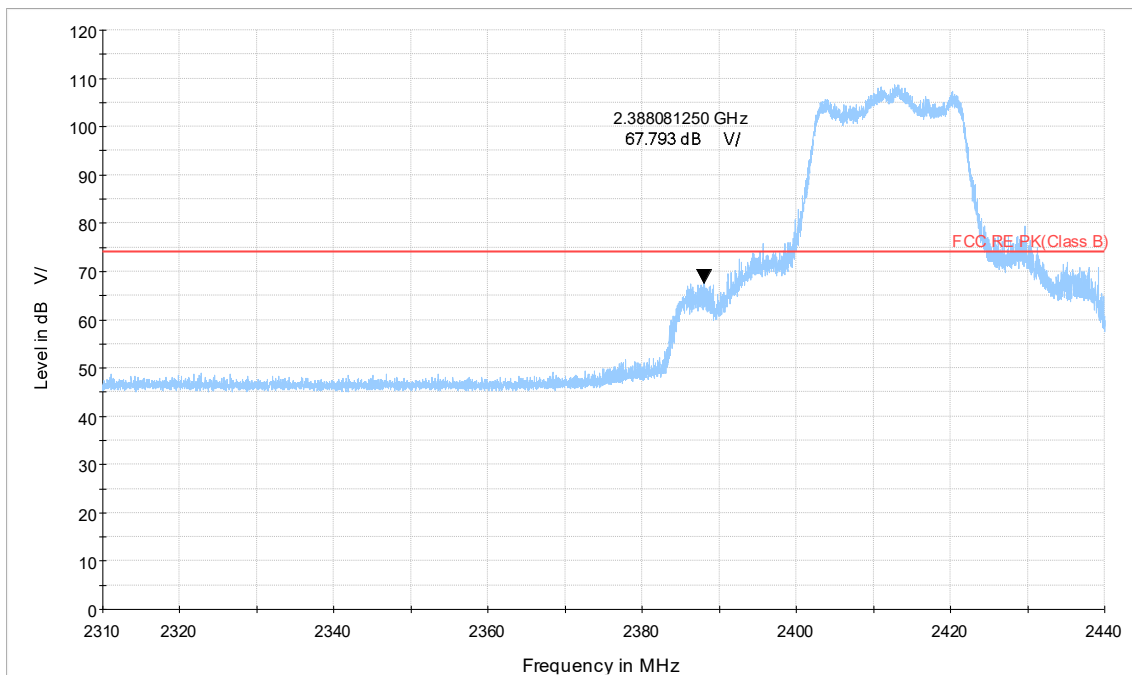
802.11g CH1



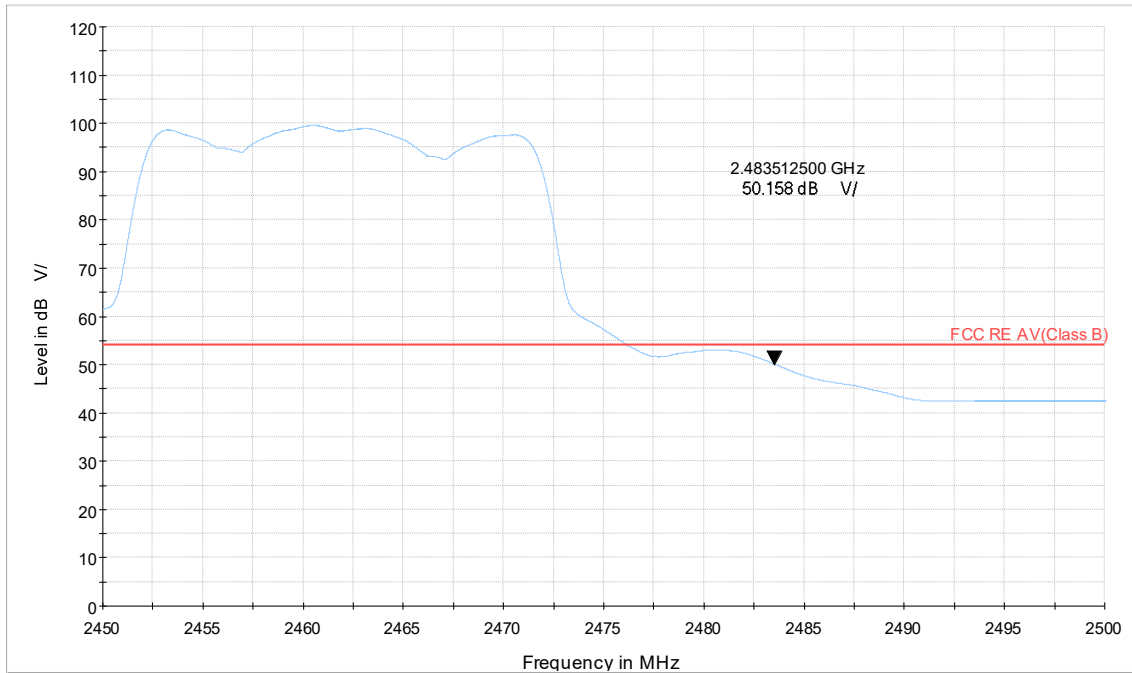
802.11g CH11



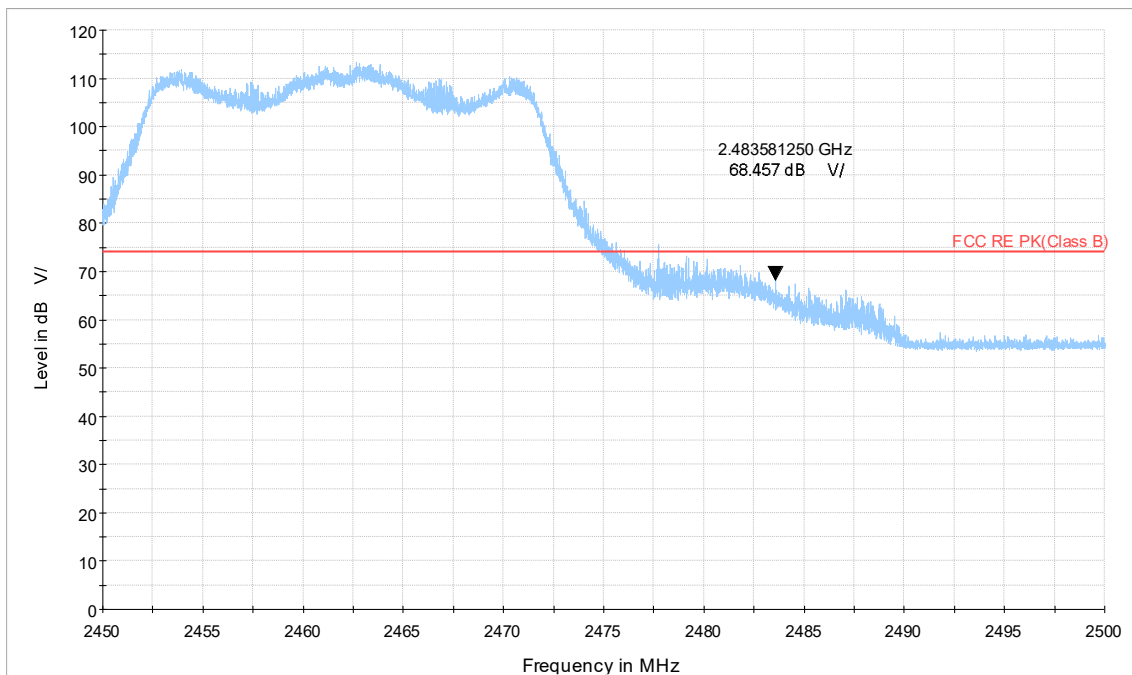
802.11ax20 CH1_AV



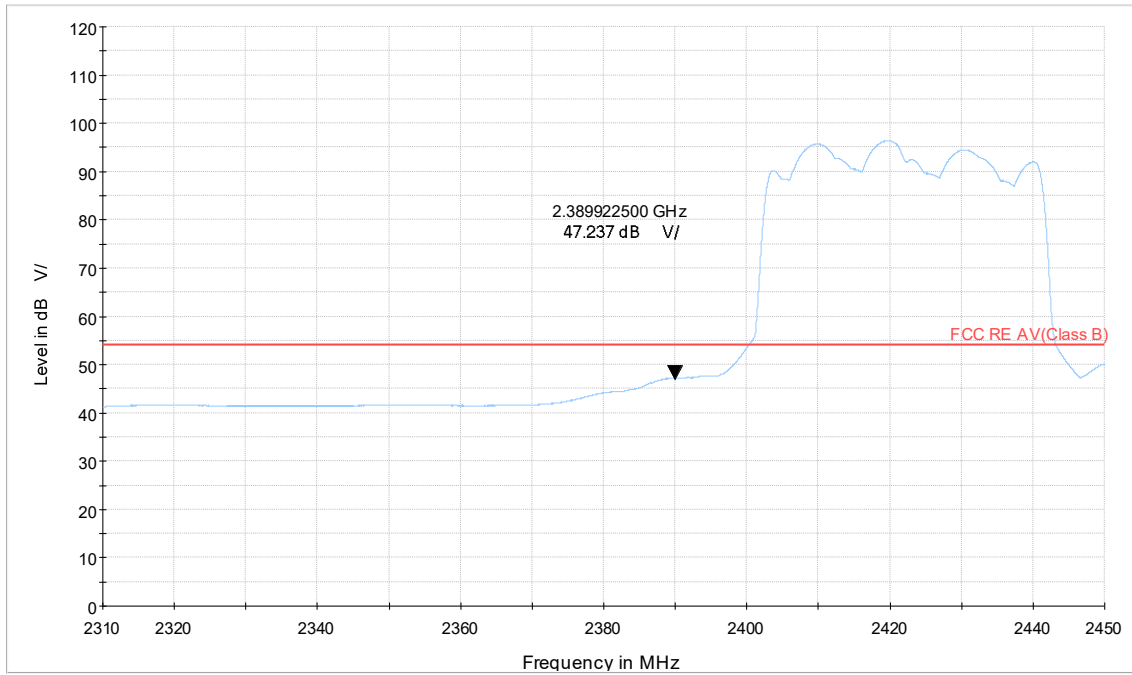
802.11ax20 CH1_PK



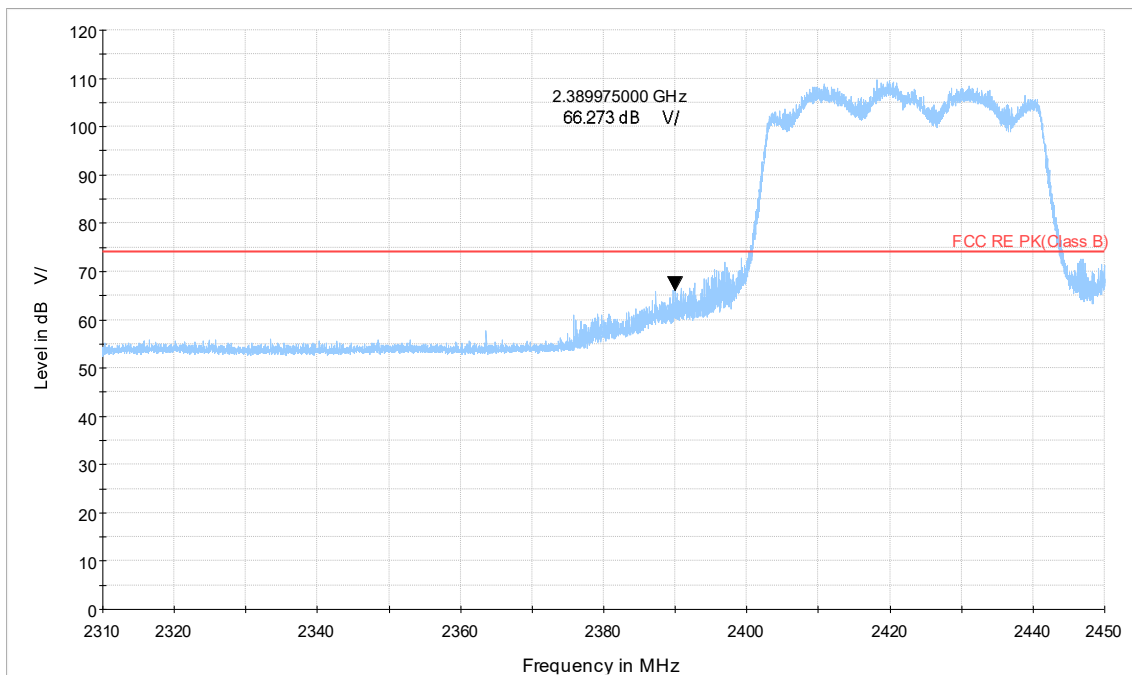
802.11ax20 CH11_AV



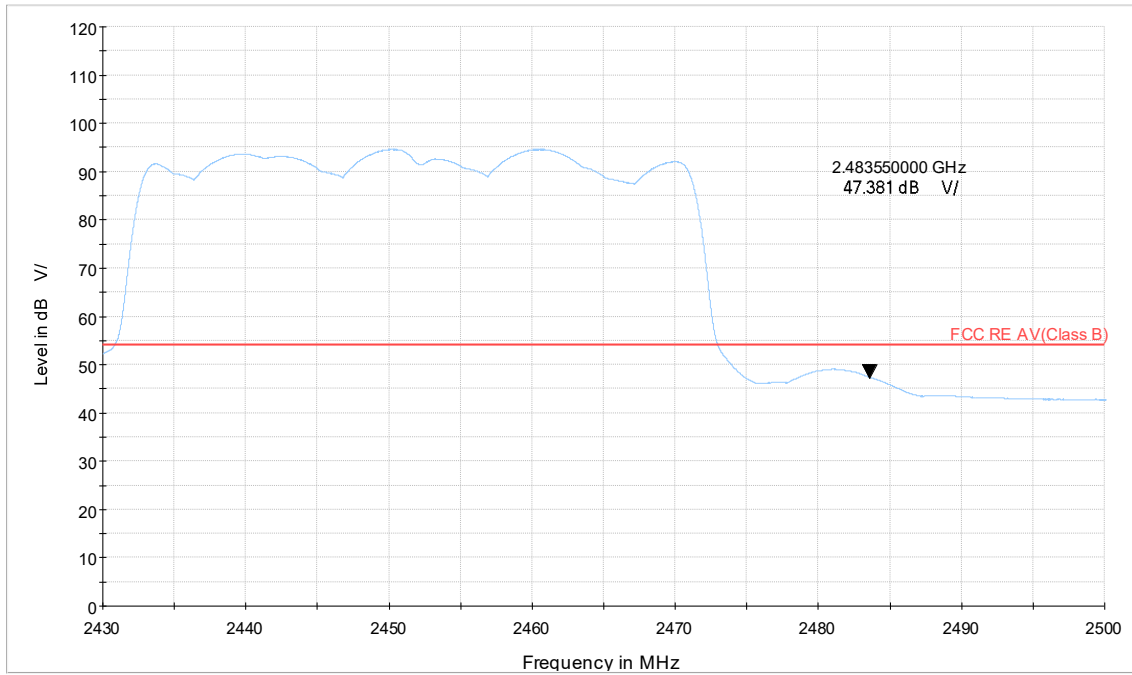
802.11ax20 CH11_PK



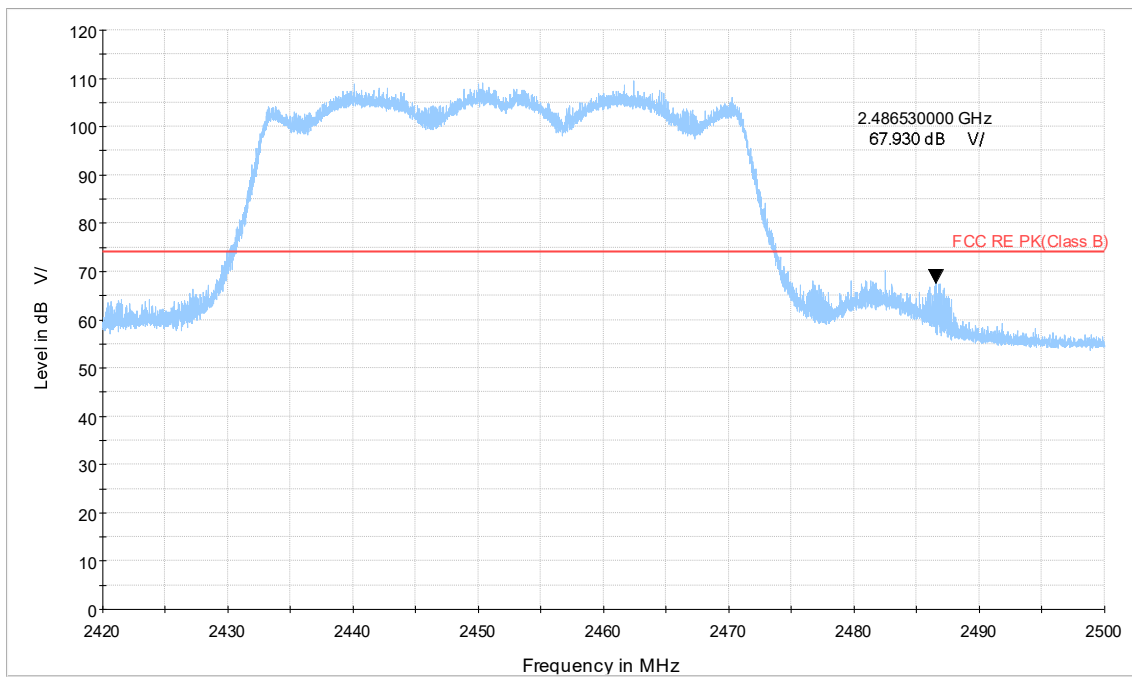
802.11ax40 CH3_AV



802.11ax40 CH3_PK



802.11ax40 CH9_AV



802.11ax40 CH9_PK

Result of RE

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

Remark:

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

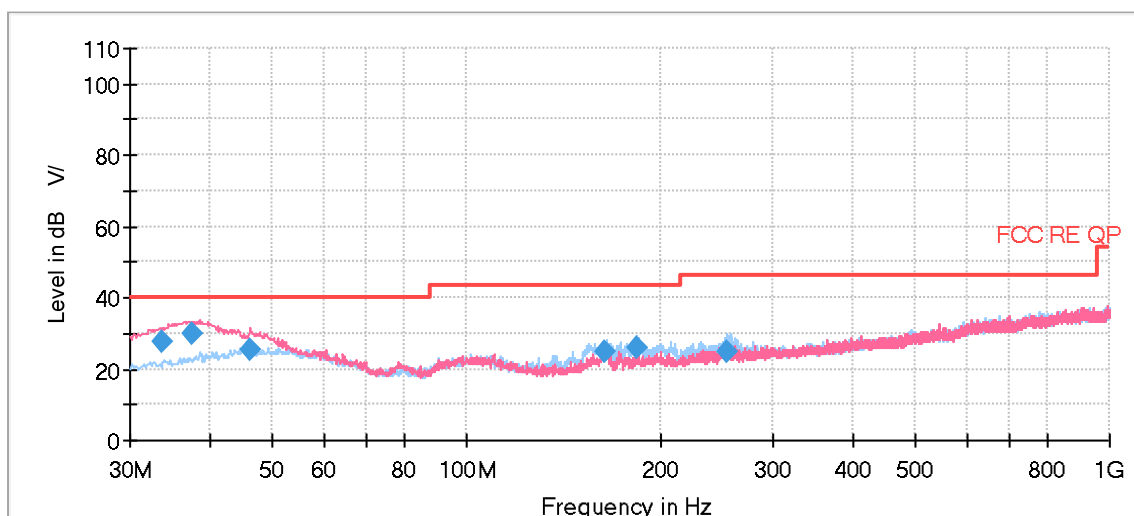
 QP Level @Spectrum Overview H
  QP Level @Spectrum Overview V
  QP Level @Final Results
  QP Limit

For above 1GHz

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

Continuous TX mode:

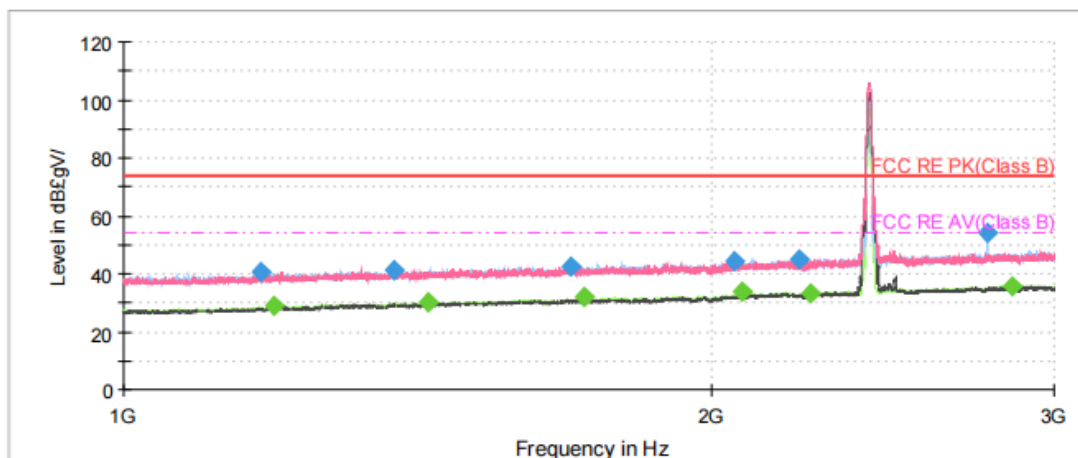
During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels, the test data of the worst-case condition was recorded in this report.



Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
33.746250	27.54	40.00	12.46	100.0	V	207.0	18.0
37.367500	29.88	40.00	10.12	100.0	V	22.0	19.1
46.246250	25.10	40.00	14.90	109.0	V	202.0	21.2
164.476250	24.56	43.50	18.94	175.0	H	267.0	16.4
184.548750	25.90	43.50	17.60	175.0	H	263.0	17.7
254.991250	24.81	46.00	21.19	100.0	H	117.0	20.5

802.11b CH1

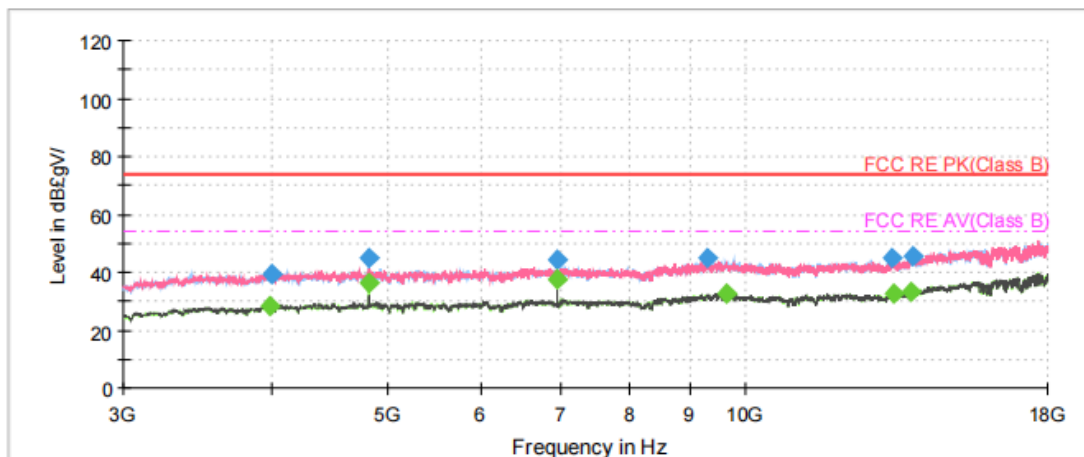


Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1175.250000	40.47	---	74.00	33.53	500.0	100.0	H	163.0	-9.3
1193.500000	---	28.94	54.00	25.06	500.0	100.0	H	163.0	-8.9
1375.000000	41.15	---	74.00	32.85	500.0	100.0	H	213.0	-7.7
1431.500000	---	29.87	54.00	24.13	500.0	200.0	H	33.0	-7.4
1695.000000	42.41	---	74.00	31.59	500.0	200.0	H	150.0	-6.0
1724.000000	---	32.04	54.00	21.96	500.0	100.0	H	57.0	-5.9
2057.500000	44.42	---	74.00	29.58	500.0	100.0	H	262.0	-4.1
2073.500000	---	33.55	54.00	20.45	500.0	200.0	H	41.0	-4.0
2219.250000	44.75	---	74.00	29.25	500.0	200.0	V	84.0	-3.2
2252.250000	---	33.47	54.00	20.53	500.0	200.0	V	329.0	-3.1
2774.000000	53.99	---	74.00	20.01	500.0	100.0	H	63.0	-1.4
2853.000000	---	35.99	54.00	18.01	500.0	200.0	H	91.0	-1.1

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

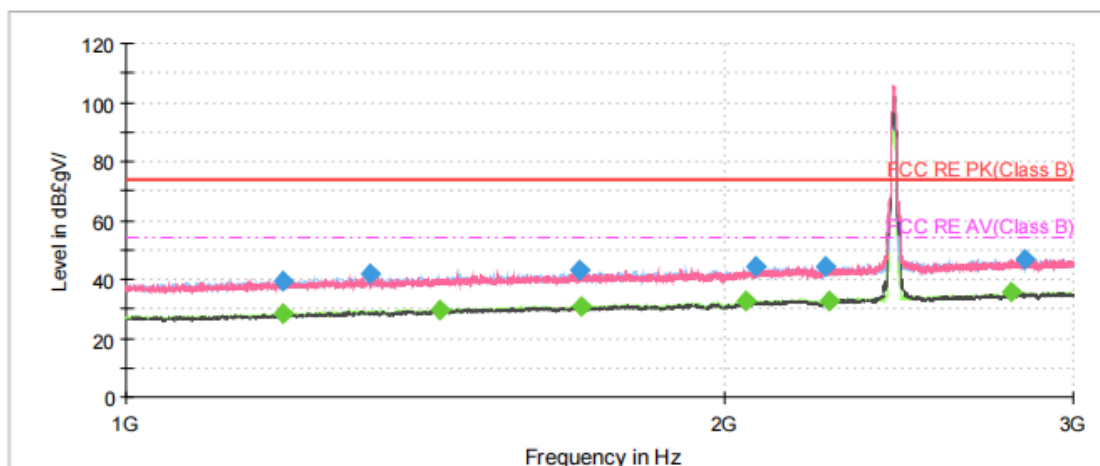


Final Result

Frequency (MHz)	MaxPeak (dBµgV/m)	Average (dBµgV/m)	Limit (dBµgV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3991.875000	---	28.60	54.00	25.40	500.0	200.0	V	226.0	-6.8
4006.875000	39.64	---	74.00	34.36	500.0	100.0	V	289.0	-6.8
4822.500000	---	36.16	54.00	17.84	500.0	200.0	H	249.0	-6.1
4822.500000	44.71	---	74.00	29.29	500.0	200.0	H	249.0	-6.1
6960.000000	---	37.44	54.00	16.56	500.0	200.0	H	204.0	-2.9
6960.000000	44.47	---	74.00	29.53	500.0	200.0	H	204.0	-2.9
9294.375000	44.66	---	74.00	29.34	500.0	100.0	H	207.0	-0.9
9648.750000	---	32.78	54.00	21.22	500.0	100.0	H	216.0	-0.5
13286.250000	44.81	---	74.00	29.19	500.0	200.0	H	111.0	2.3
13346.250000	---	32.78	54.00	21.22	500.0	200.0	H	300.0	2.4
13822.500000	---	33.44	54.00	20.56	500.0	200.0	H	138.0	3.8
13865.625000	45.73	---	74.00	28.27	500.0	100.0	H	144.0	3.9

Radiates Emission from 3GHz to 18GHz

802.11b CH6

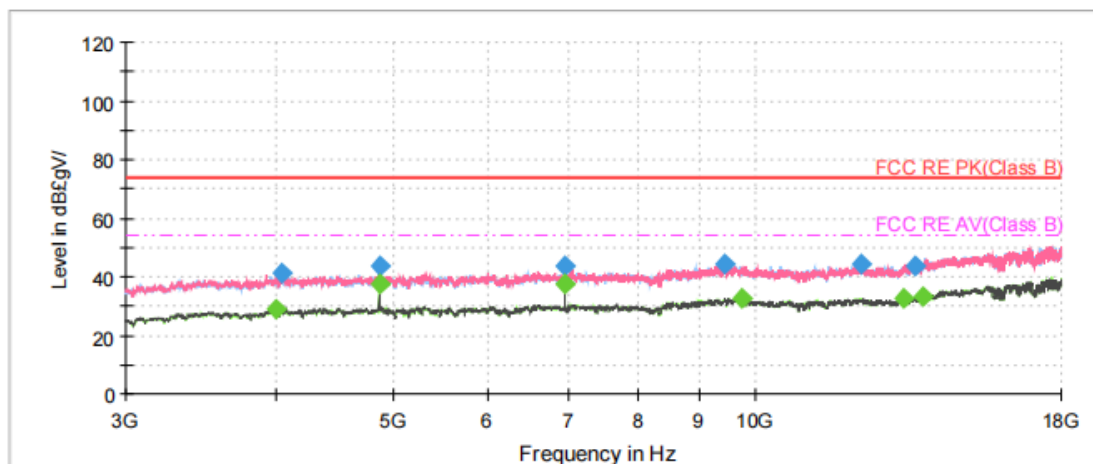


Final Result

Frequency (MHz)	MaxPeak (dBµgV/m)	Average (dBµgV/m)	Limit (dBµgV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1199.750000	---	28.45	54.00	25.55	500.0	200.0	H	112.0	-8.8
1199.750000	39.63	---	74.00	34.37	500.0	100.0	H	112.0	-8.8
1326.250000	41.55	---	74.00	32.45	500.0	100.0	H	62.0	-8.0
1437.500000	---	29.63	54.00	24.37	500.0	200.0	H	200.0	-7.3
1693.000000	43.12	---	74.00	30.88	500.0	200.0	V	329.0	-6.0
1694.500000	---	30.95	54.00	23.05	500.0	100.0	H	46.0	-6.0
2051.250000	---	32.44	54.00	21.56	500.0	200.0	H	46.0	-4.2
2076.500000	44.05	---	74.00	29.95	500.0	200.0	H	21.0	-4.0
2252.750000	44.49	---	74.00	29.51	500.0	200.0	H	209.0	-3.1
2259.000000	---	32.77	54.00	21.23	500.0	200.0	H	62.0	-3.0
2791.000000	---	35.61	54.00	18.39	500.0	100.0	H	46.0	-1.3
2834.000000	46.97	---	74.00	27.03	500.0	200.0	H	178.0	-1.1

Note: The signal beyond the limit is carrier.

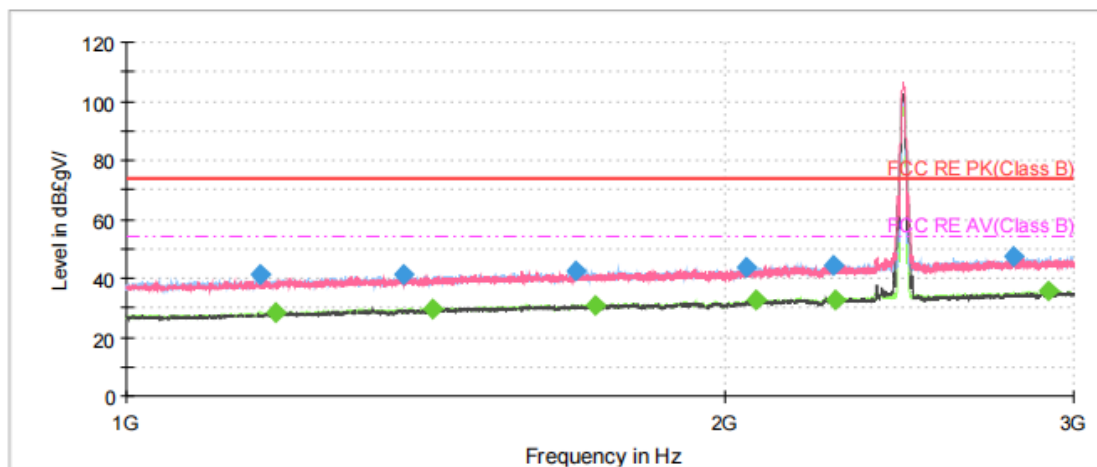
Radiates Emission from 1GHz to 3GHz



Final Result

Frequency (MHz)	MaxPeak (dBµgV/m)	Average (dBµgV/m)	Limit (dBµgV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4003.125000	---	28.96	54.00	25.04	500.0	100.0	V	187.0	-6.8
4038.750000	41.21	---	74.00	32.79	500.0	100.0	V	319.0	-6.7
4873.125000	---	37.48	54.00	16.52	500.0	200.0	H	239.0	-5.8
4873.125000	43.85	---	74.00	30.15	500.0	200.0	H	239.0	-5.8
6960.000000	---	37.42	54.00	16.58	500.0	200.0	H	202.0	-2.9
6960.000000	43.70	---	74.00	30.30	500.0	100.0	H	200.0	-2.9
9444.375000	44.20	---	74.00	29.80	500.0	200.0	H	276.0	-0.4
9748.125000	---	32.77	54.00	21.23	500.0	200.0	H	276.0	-0.5
12262.500000	44.02	---	74.00	29.98	500.0	100.0	H	0.0	0.2
13320.000000	---	32.83	54.00	21.17	500.0	100.0	V	112.0	2.3
13580.625000	43.50	---	74.00	30.50	500.0	100.0	H	30.0	2.9
13794.375000	---	33.31	54.00	20.69	500.0	200.0	V	0.0	3.6

Radiates Emission from 3GHz to 18GHz

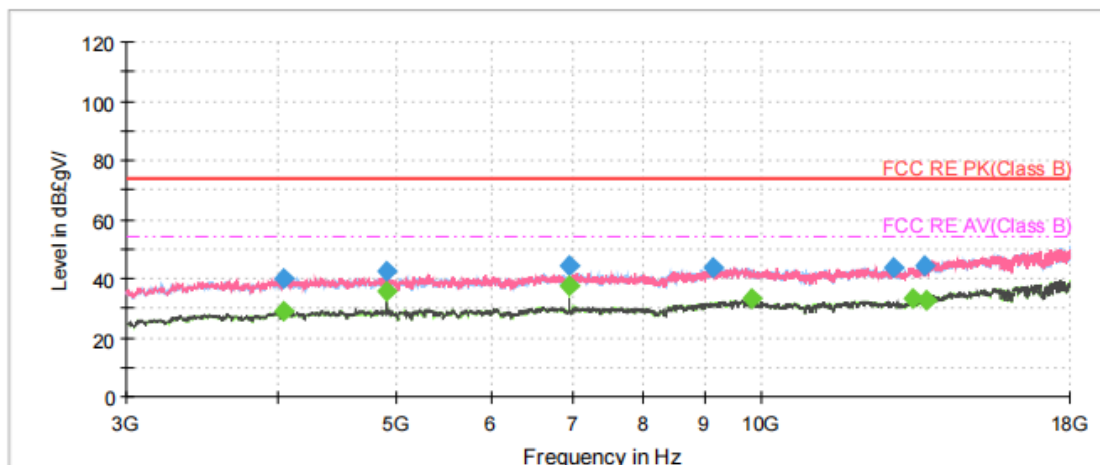


Final Result

Frequency (MHz)	MaxPeak (dBµgV/m)	Average (dBµgV/m)	Limit (dBµgV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1167.250000	41.09	---	74.00	32.91	500.0	100.0	H	168.0	-9.4
1187.750000	---	28.58	54.00	25.42	500.0	100.0	H	93.0	-9.1
1378.750000	41.51	---	74.00	32.49	500.0	200.0	H	135.0	-7.7
1427.250000	---	29.79	54.00	24.21	500.0	200.0	H	185.0	-7.4
1685.250000	42.76	---	74.00	31.24	500.0	200.0	V	72.0	-6.0
1720.750000	---	30.93	54.00	23.07	500.0	100.0	H	93.0	-5.9
2050.750000	43.96	---	74.00	30.04	500.0	200.0	H	101.0	-4.2
2073.750000	---	32.50	54.00	21.50	500.0	200.0	H	55.0	-4.0
2272.750000	44.16	---	74.00	29.84	500.0	200.0	H	0.0	-3.0
2274.250000	---	32.85	54.00	21.15	500.0	100.0	H	0.0	-3.0
2799.500000	47.21	---	74.00	26.79	500.0	200.0	H	109.0	-1.3
2914.000000	---	35.60	54.00	18.40	500.0	200.0	H	6.0	-1.0

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

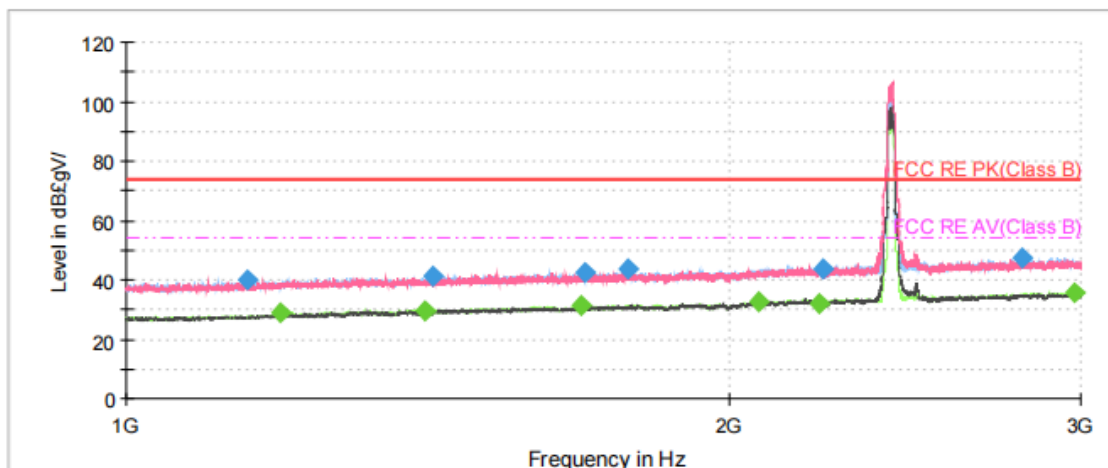


Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4036.875000	---	28.69	54.00	25.31	500.0	200.0	V	134.0	-6.7
4038.750000	40.08	---	74.00	33.92	500.0	100.0	V	230.0	-6.7
4923.750000	---	35.70	54.00	18.30	500.0	200.0	H	250.0	-5.3
4923.750000	42.43	---	74.00	31.57	500.0	200.0	H	250.0	-5.3
6960.000000	---	37.54	54.00	16.46	500.0	100.0	H	214.0	-2.9
6960.000000	44.57	---	74.00	29.43	500.0	100.0	H	214.0	-2.9
9121.875000	43.75	---	74.00	30.25	500.0	100.0	H	152.0	-1.2
9847.500000	---	33.11	54.00	20.89	500.0	200.0	H	357.0	-0.4
12855.000000	43.96	---	74.00	30.04	500.0	200.0	V	57.0	0.9
13346.250000	---	33.00	54.00	21.00	500.0	200.0	H	213.0	2.4
13661.250000	44.38	---	74.00	29.62	500.0	200.0	H	4.0	3.1
13715.625000	---	32.83	54.00	21.17	500.0	200.0	H	339.0	3.3

Radiates Emission from 3GHz to 18GHz

802.11g CH1

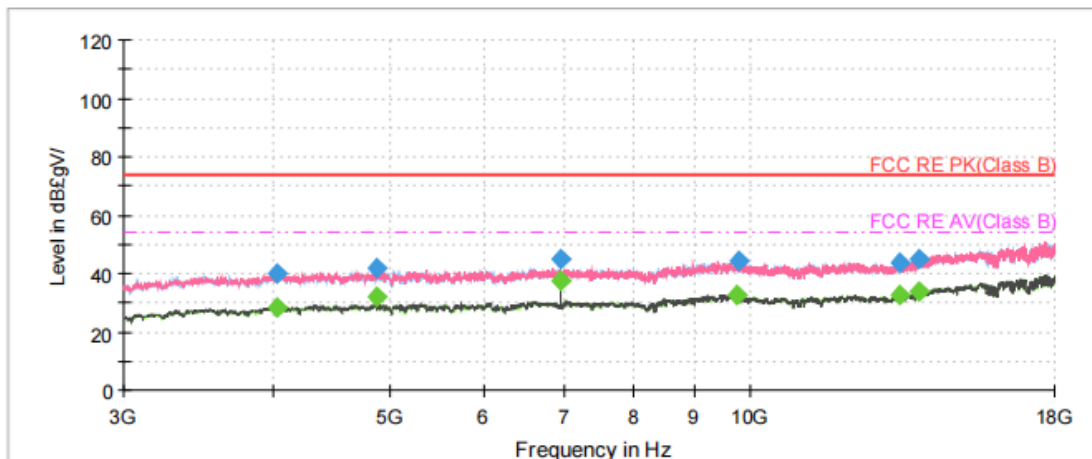


Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1150.750000	40.15	---	74.00	33.85	500.0	100.0	H	86.0	-9.8
1194.750000	---	28.65	54.00	25.35	500.0	200.0	V	0.0	-8.9
1408.750000	---	29.72	54.00	24.28	500.0	100.0	H	118.0	-7.5
1424.500000	41.00	---	74.00	33.00	500.0	100.0	V	82.0	-7.4
1688.750000	---	31.11	54.00	22.89	500.0	100.0	H	29.0	-6.0
1696.000000	42.67	---	74.00	31.33	500.0	200.0	H	283.0	-6.0
1782.000000	43.68	---	74.00	30.32	500.0	200.0	H	11.0	-5.6
2070.750000	---	32.61	54.00	21.39	500.0	200.0	H	37.0	-4.0
2219.000000	---	32.15	54.00	21.85	500.0	100.0	H	94.0	-3.2
2232.250000	43.53	---	74.00	30.47	500.0	200.0	H	238.0	-3.2
2804.750000	47.54	---	74.00	26.46	500.0	100.0	H	20.0	-1.2
2980.500000	---	35.62	54.00	18.38	500.0	200.0	H	327.0	-0.7

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

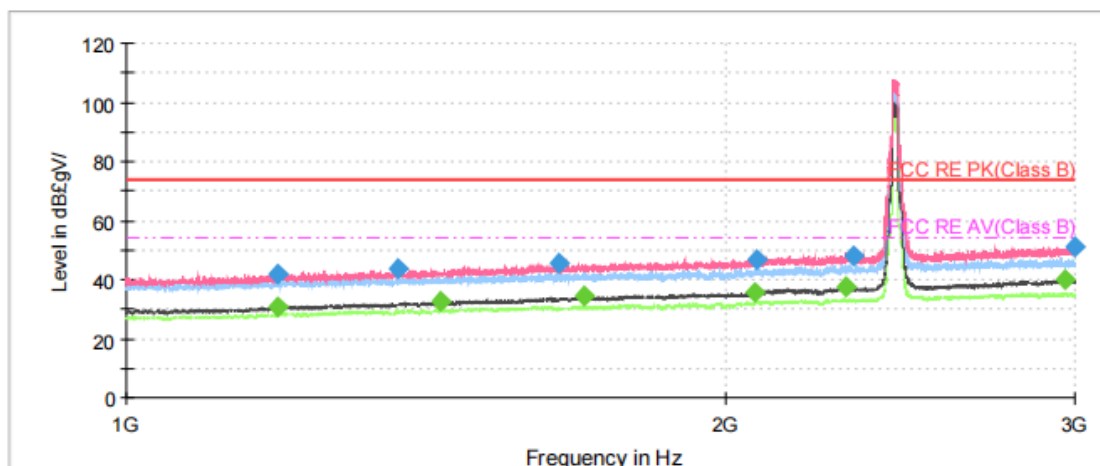


Final Result

Frequency (MHz)	MaxPeak (dBµgV/m)	Average (dBµgV/m)	Limit (dBµgV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4029.375000	39.98	---	74.00	34.02	500.0	200.0	H	283.0	-6.8
4035.000000	---	28.61	54.00	25.39	500.0	200.0	H	310.0	-6.7
4875.000000	---	31.93	54.00	22.07	500.0	100.0	V	166.0	-5.8
4875.000000	41.88	---	74.00	32.12	500.0	100.0	H	154.0	-5.8
6960.000000	---	37.74	54.00	16.26	500.0	100.0	H	214.0	-2.9
6960.000000	44.63	---	74.00	29.37	500.0	200.0	H	201.0	-2.9
9776.250000	---	32.73	54.00	21.27	500.0	100.0	H	135.0	-0.5
9804.375000	44.27	---	74.00	29.73	500.0	200.0	H	50.0	-0.4
13340.625000	43.96	---	74.00	30.04	500.0	200.0	H	20.0	2.3
13344.375000	---	32.79	54.00	21.21	500.0	100.0	V	231.0	2.3
13850.625000	---	33.99	54.00	20.01	500.0	100.0	H	260.0	3.8
13850.625000	44.93	---	74.00	29.07	500.0	200.0	H	145.0	3.8

Radiates Emission from 3GHz to 18GHz

802.11g CH6

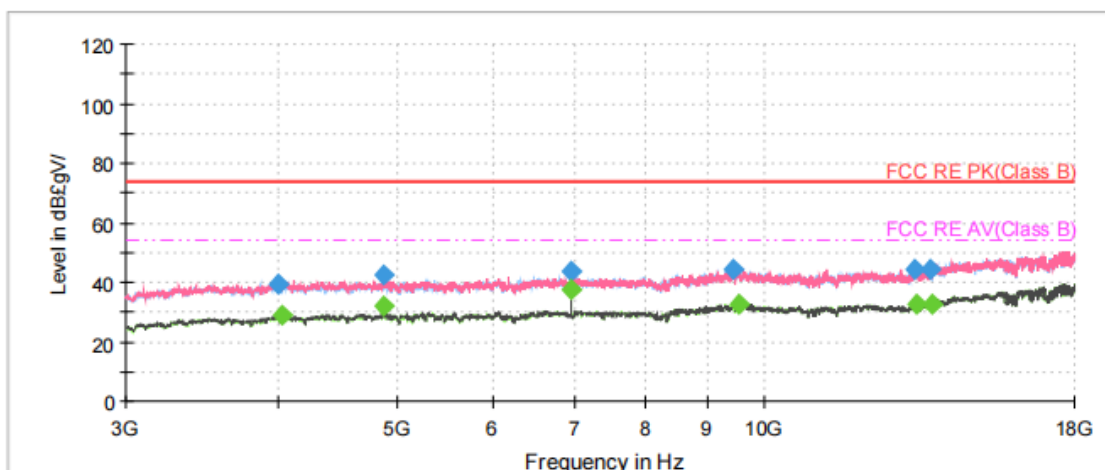


Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1191.250000	41.71	---	74.00	32.29	500.0	200.0	V	30.0	-9.0
1192.750000	---	30.75	54.00	23.25	500.0	200.0	V	38.0	-9.0
1369.750000	43.40	---	74.00	30.60	500.0	100.0	V	346.0	-7.7
1439.000000	---	32.50	54.00	21.50	500.0	200.0	V	148.0	-7.3
1650.500000	45.34	---	74.00	28.66	500.0	100.0	V	0.0	-6.1
1698.750000	---	34.32	54.00	19.68	500.0	200.0	V	64.0	-6.0
2072.750000	---	35.96	54.00	18.04	500.0	200.0	V	30.0	-4.0
2074.500000	47.05	---	74.00	26.95	500.0	200.0	V	132.0	-4.0
2299.250000	---	37.49	54.00	16.51	500.0	200.0	V	56.0	-2.8
2324.000000	47.97	---	74.00	26.03	500.0	200.0	V	107.0	-2.9
2966.250000	---	39.92	54.00	14.08	500.0	200.0	V	0.0	-0.8
2997.000000	51.07	---	74.00	22.93	500.0	200.0	V	223.0	-0.6

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

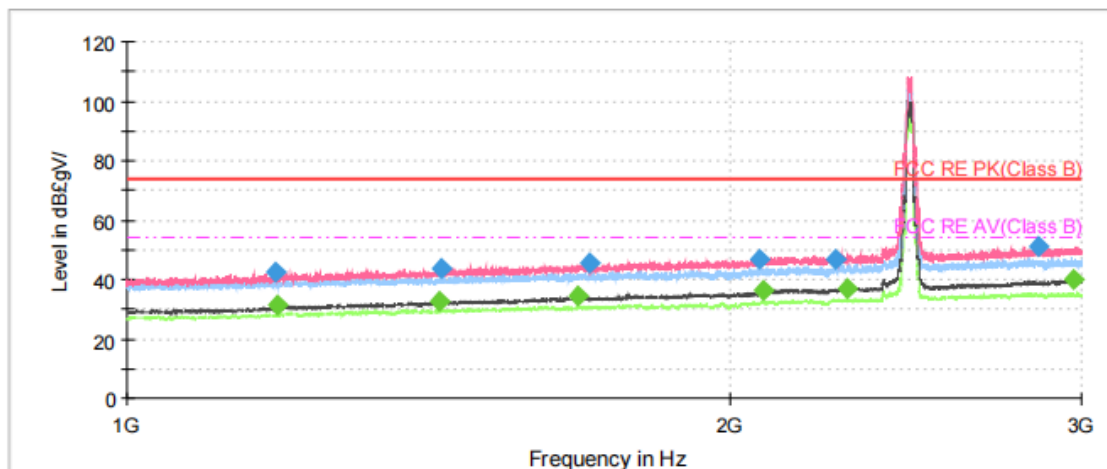


Final Result

Frequency (MHz)	MaxPeak (dBµgV/m)	Average (dBµgV/m)	Limit (dBµgV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4003.125000	39.48	---	74.00	34.52	500.0	200.0	V	3.0	-6.8
4035.000000	---	28.70	54.00	25.30	500.0	100.0	V	55.0	-6.7
4875.000000	---	32.17	54.00	21.83	500.0	100.0	H	161.0	-5.8
4875.000000	42.32	---	74.00	31.68	500.0	100.0	H	161.0	-5.8
6960.000000	---	37.63	54.00	16.37	500.0	200.0	H	201.0	-2.9
6960.000000	43.69	---	74.00	30.31	500.0	200.0	H	201.0	-2.9
9435.000000	44.37	---	74.00	29.63	500.0	100.0	V	333.0	-0.5
9536.250000	---	32.64	54.00	21.36	500.0	200.0	V	94.0	-0.2
13325.625000	44.18	---	74.00	29.82	500.0	200.0	V	340.0	2.3
13335.000000	---	32.86	54.00	21.14	500.0	100.0	H	249.0	2.3
13708.125000	44.22	---	74.00	29.78	500.0	200.0	V	221.0	3.2
13768.125000	---	32.74	54.00	21.26	500.0	200.0	H	14.0	3.5

Radiates Emission from 3GHz to 18GHz

802.11g CH11

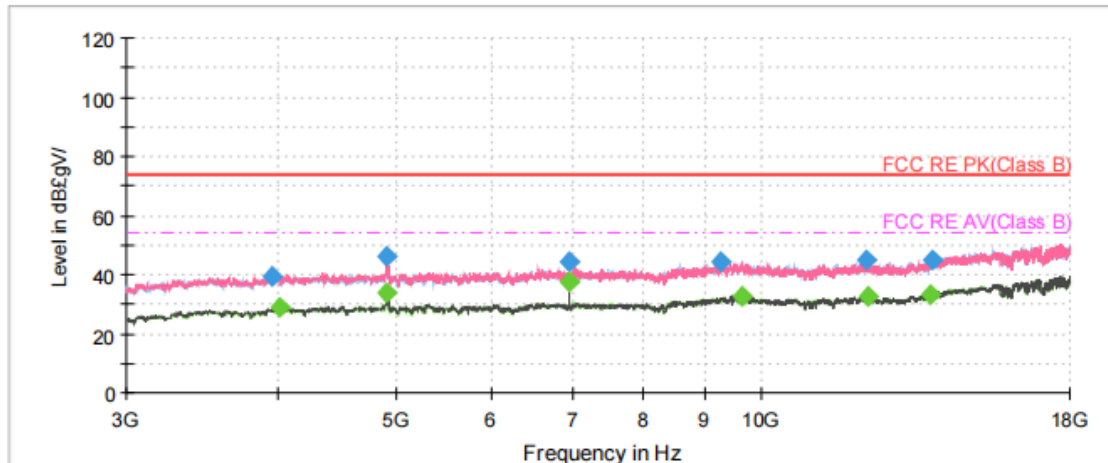


Final Result

Frequency (MHz)	MaxPeak (dBµgV/m)	Average (dBµgV/m)	Limit (dBµgV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1186.750000	42.42	---	74.00	31.58	500.0	100.0	V	0.0	-9.1
1188.250000	---	31.10	54.00	22.90	500.0	200.0	V	0.0	-9.0
1431.250000	---	32.75	54.00	21.25	500.0	200.0	V	11.0	-7.4
1436.500000	43.64	---	74.00	30.36	500.0	100.0	V	332.0	-7.3
1680.000000	---	34.23	54.00	19.77	500.0	200.0	V	113.0	-6.0
1703.750000	45.25	---	74.00	28.75	500.0	200.0	V	2.0	-6.0
2073.000000	46.83	---	74.00	27.17	500.0	200.0	V	36.0	-4.0
2079.250000	---	36.42	54.00	17.58	500.0	200.0	V	19.0	-3.9
2261.750000	46.51	---	74.00	27.49	500.0	200.0	V	198.0	-3.0
2291.750000	---	36.83	54.00	17.17	500.0	200.0	V	173.0	-2.9
2857.500000	51.00	---	74.00	23.00	500.0	200.0	V	78.0	-1.1
2975.250000	---	39.85	54.00	14.15	500.0	200.0	V	121.0	-0.7

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

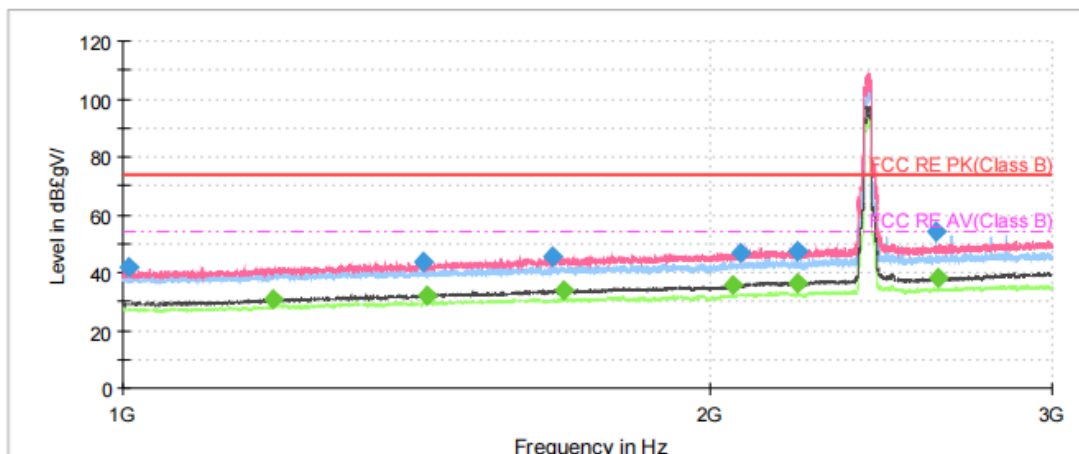


Final Result

Frequency (MHz)	MaxPeak (dBµgV/m)	Average (dBµgV/m)	Limit (dBµgV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3958.125000	39.61	---	74.00	34.39	500.0	200.0	H	0.0	-7.1
4008.750000	---	28.70	54.00	25.30	500.0	100.0	V	65.0	-6.8
4920.000000	---	34.03	54.00	19.97	500.0	100.0	H	162.0	-5.3
4920.000000	46.02	---	74.00	27.98	500.0	100.0	V	169.0	-5.3
6960.000000	---	37.64	54.00	16.36	500.0	200.0	H	202.0	-2.9
6960.000000	44.10	---	74.00	29.90	500.0	200.0	H	202.0	-2.9
9270.000000	44.29	---	74.00	29.71	500.0	200.0	V	222.0	-0.9
9654.375000	---	32.60	54.00	21.40	500.0	200.0	H	258.0	-0.5
12228.750000	44.62	---	74.00	29.38	500.0	100.0	H	0.0	0.3
12256.875000	---	32.78	54.00	21.22	500.0	100.0	H	88.0	0.2
13779.375000	---	33.44	54.00	20.56	500.0	200.0	V	82.0	3.6
13856.250000	44.71	---	74.00	29.29	500.0	200.0	H	102.0	3.8

Radiates Emission from 3GHz to 18GHz

802.11ax HE20 CH 1

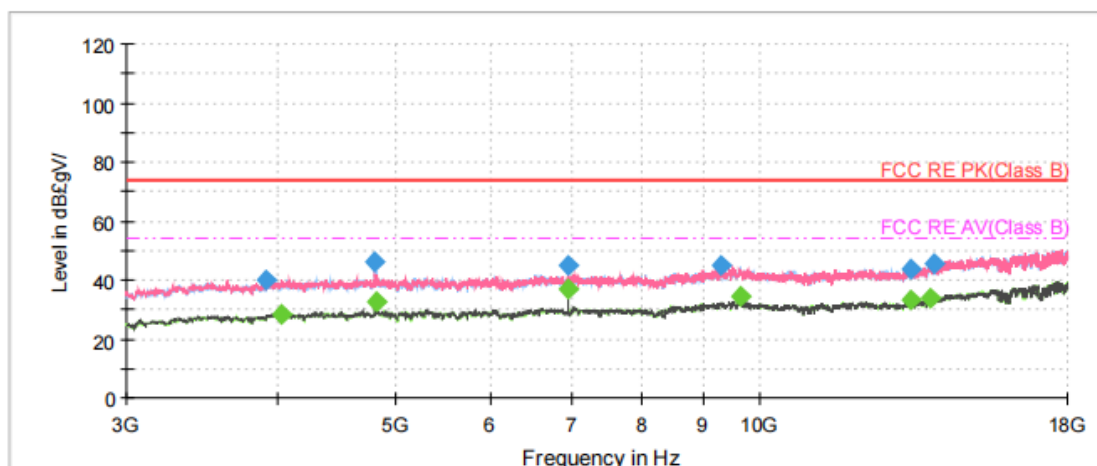


Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1007.000000	41.67	---	74.00	32.33	500.0	200.0	V	113.0	-10.7
1193.000000	---	30.87	54.00	23.13	500.0	200.0	V	121.0	-8.9
1427.250000	43.54	---	74.00	30.46	500.0	200.0	V	37.0	-7.4
1431.250000	---	32.25	54.00	21.75	500.0	200.0	V	87.0	-7.4
1663.000000	45.37	---	74.00	28.63	500.0	200.0	V	154.0	-6.1
1682.500000	---	34.08	54.00	19.92	500.0	200.0	V	70.0	-6.0
2058.000000	---	35.84	54.00	18.16	500.0	200.0	V	0.0	-4.1
2073.750000	46.91	---	74.00	27.09	500.0	200.0	V	129.0	-4.0
2219.250000	47.39	---	74.00	26.61	500.0	200.0	V	220.0	-3.2
2219.250000	---	36.51	54.00	17.49	500.0	200.0	V	220.0	-3.2
2615.500000	54.15	---	74.00	19.85	500.0	100.0	H	170.0	-2.0
2619.750000	---	37.92	54.00	16.08	500.0	200.0	V	29.0	-2.0

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

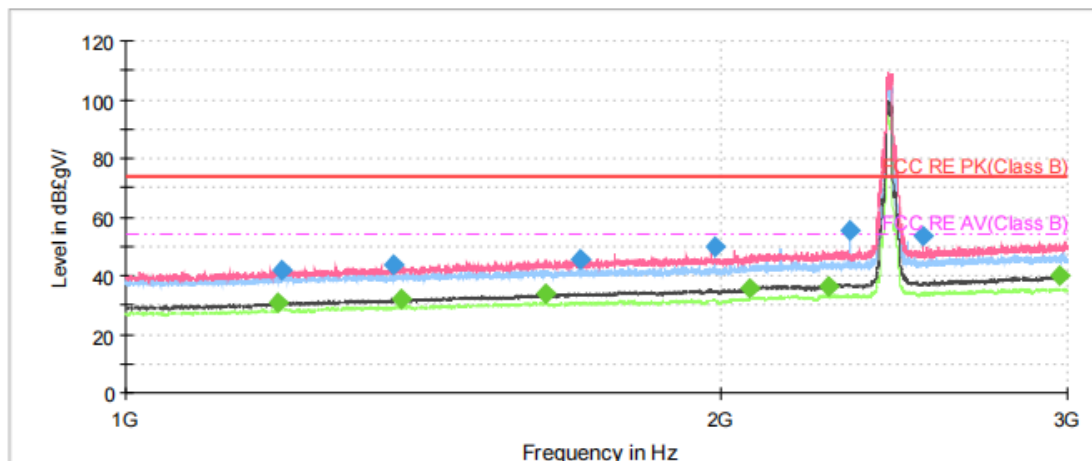


Final Result

Frequency (MHz)	MaxPeak (dBµgV/m)	Average (dBµgV/m)	Limit (dBµgV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3909.375000	40.21	---	74.00	33.79	500.0	200.0	V	37.0	-7.4
4033.125000	---	28.52	54.00	25.48	500.0	200.0	H	179.0	-6.8
4816.875000	45.96	---	74.00	28.04	500.0	100.0	H	168.0	-6.1
4826.250000	---	32.70	54.00	21.30	500.0	200.0	H	142.0	-6.1
6960.000000	---	37.15	54.00	16.85	500.0	200.0	H	206.0	-2.9
6960.000000	44.85	---	74.00	29.15	500.0	200.0	H	206.0	-2.9
9303.750000	44.64	---	74.00	29.36	500.0	200.0	V	1.0	-0.9
9646.875000	---	34.35	54.00	19.65	500.0	100.0	H	209.0	-0.5
13329.375000	43.72	---	74.00	30.28	500.0	100.0	H	150.0	2.3
13336.875000	---	32.99	54.00	21.01	500.0	100.0	V	97.0	2.3
13848.750000	---	33.96	54.00	20.04	500.0	200.0	H	188.0	3.8
13953.750000	45.61	---	74.00	28.39	500.0	200.0	V	350.0	3.9

Radiates Emission from 3GHz to 18GHz

802.11ax HE20 CH6

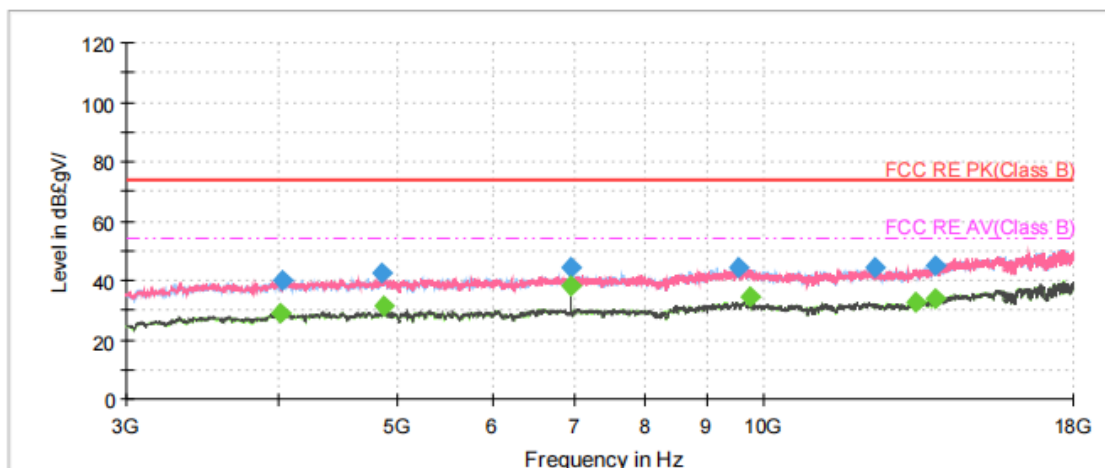


Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1195.250000	---	30.71	54.00	23.29	500.0	200.0	V	73.0	-8.9
1200.000000	42.06	---	74.00	31.94	500.0	200.0	V	7.0	-8.8
1367.000000	43.77	---	74.00	30.23	500.0	100.0	V	354.0	-7.7
1380.000000	---	32.29	54.00	21.71	500.0	200.0	V	98.0	-7.7
1630.250000	---	33.97	54.00	20.03	500.0	200.0	V	98.0	-6.2
1700.750000	45.75	---	74.00	28.25	500.0	200.0	V	15.0	-6.0
1988.000000	49.97	---	74.00	24.03	500.0	100.0	H	144.0	-4.6
2073.000000	---	35.92	54.00	18.08	500.0	200.0	V	148.0	-4.0
2271.000000	---	36.35	54.00	17.65	500.0	200.0	V	57.0	-3.0
2325.750000	55.11	---	74.00	18.89	500.0	100.0	H	300.0	-2.9
2536.250000	53.28	---	74.00	20.72	500.0	200.0	V	106.0	-2.2
2975.250000	---	40.05	54.00	13.95	500.0	200.0	V	24.0	-0.7

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

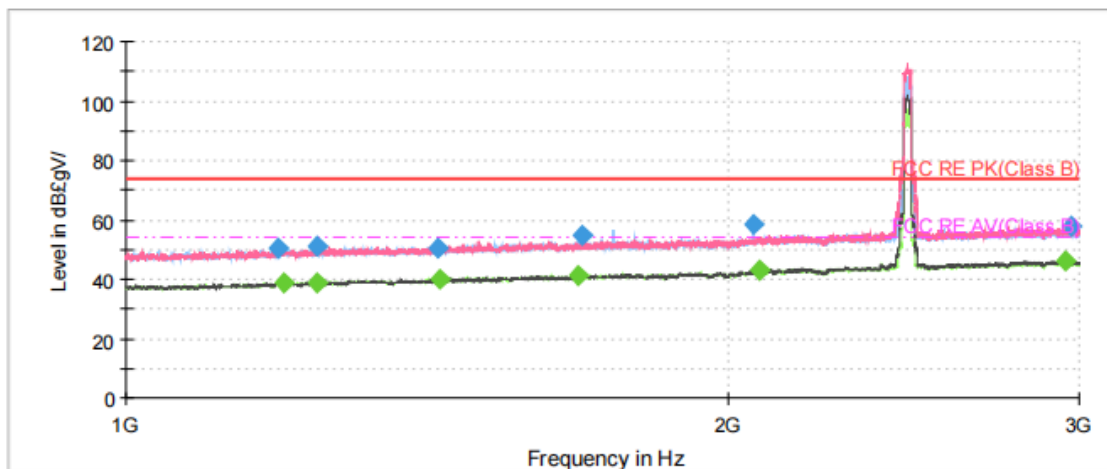


Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4008.750000	---	28.77	54.00	25.24	500.0	100.0	V	26.0	-6.8
4035.000000	40.17	---	74.00	33.83	500.0	200.0	V	0.0	-6.7
4865.625000	42.55	---	74.00	31.45	500.0	200.0	H	277.0	-5.9
4876.875000	---	31.50	54.00	22.50	500.0	200.0	H	239.0	-5.8
6960.000000	---	37.88	54.00	16.12	500.0	100.0	H	214.0	-2.9
6960.000000	44.04	---	74.00	29.96	500.0	200.0	H	203.0	-2.9
9560.625000	44.21	---	74.00	29.79	500.0	100.0	H	22.0	-0.4
9748.125000	---	34.19	54.00	19.81	500.0	100.0	H	214.0	-0.5
12373.125000	44.13	---	74.00	29.87	500.0	200.0	V	194.0	0.3
13350.000000	---	32.75	54.00	21.25	500.0	200.0	V	62.0	2.4
13833.750000	44.81	---	74.00	29.19	500.0	100.0	H	116.0	3.8
13835.625000	---	33.94	54.00	20.06	500.0	100.0	H	78.0	3.8

Radiates Emission from 3GHz to 18GHz

802.11ax HE20 CH11

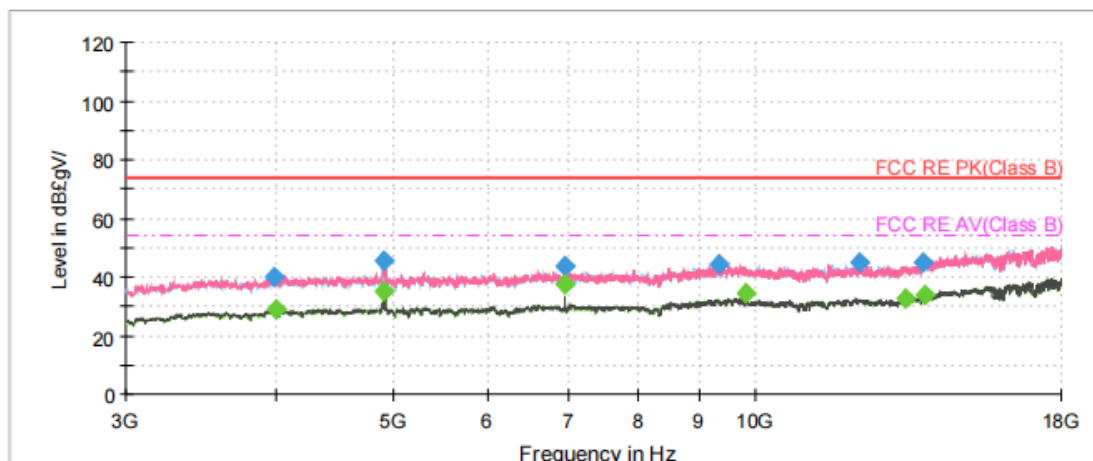


Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1192.000000	50.44	---	74.00	23.56	500.0	200.0	V	71.0	1.0
1200.000000	---	38.88	54.00	15.12	500.0	100.0	V	260.0	1.2
1245.250000	51.31	---	74.00	22.69	500.0	100.0	H	40.0	1.4
1247.500000	---	38.51	54.00	15.49	500.0	100.0	H	172.0	1.4
1433.500000	50.18	---	74.00	23.82	500.0	100.0	H	23.0	2.6
1436.250000	---	39.98	54.00	14.02	500.0	100.0	V	0.0	2.7
1685.750000	---	41.52	54.00	12.48	500.0	100.0	H	188.0	4.0
1692.750000	54.69	---	74.00	19.31	500.0	200.0	V	195.0	4.0
2061.750000	58.70	---	74.00	15.30	500.0	100.0	H	301.0	5.9
2076.000000	---	42.90	54.00	11.10	500.0	100.0	V	243.0	6.0
2956.250000	---	46.20	54.00	7.80	500.0	200.0	V	219.0	9.2
2976.000000	57.86	---	74.00	16.14	500.0	200.0	V	0.0	9.3

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

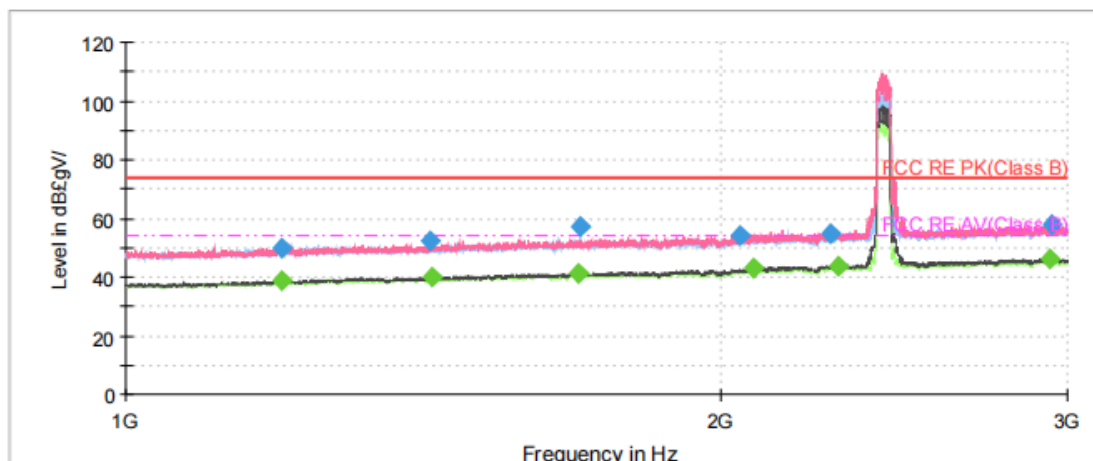


Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3988.125000	39.80	---	74.00	34.20	500.0	200.0	V	164.0	-6.8
4003.125000	---	28.67	54.00	25.33	500.0	100.0	V	0.0	-6.8
4916.250000	---	35.02	54.00	18.98	500.0	200.0	H	252.0	-5.3
4918.125000	45.83	---	74.00	28.17	500.0	200.0	H	261.0	-5.3
6960.000000	---	37.53	54.00	16.47	500.0	200.0	H	203.0	-2.9
6960.000000	43.71	---	74.00	30.29	500.0	200.0	H	203.0	-2.9
9326.250000	44.12	---	74.00	29.88	500.0	200.0	V	203.0	-1.0
9847.500000	---	34.49	54.00	19.51	500.0	200.0	H	261.0	-0.4
12236.250000	44.68	---	74.00	29.32	500.0	100.0	H	114.0	0.3
13335.000000	---	32.78	54.00	21.22	500.0	200.0	V	54.0	2.3
13790.625000	44.80	---	74.00	29.20	500.0	200.0	H	232.0	3.6
13848.750000	---	33.92	54.00	20.08	500.0	200.0	H	222.0	3.8

Radiates Emission from 3GHz to 18GHz

802.11ax HE40 CH3

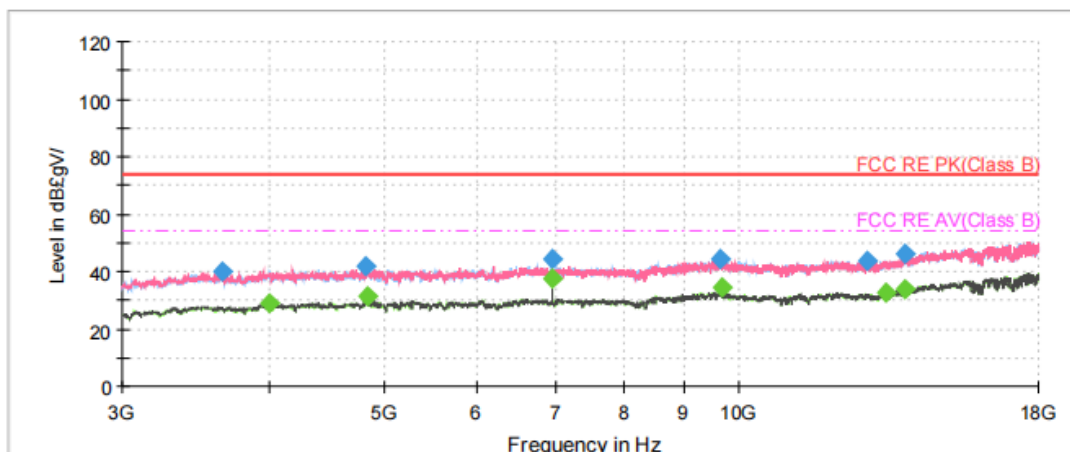


Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1199.500000	---	38.90	54.00	15.10	500.0	200.0	V	104.0	1.2
1200.250000	50.02	---	74.00	23.98	500.0	200.0	V	39.0	1.2
1427.500000	52.54	---	74.00	21.46	500.0	200.0	V	72.0	2.6
1427.750000	---	40.15	54.00	13.85	500.0	200.0	V	251.0	2.6
1697.000000	---	41.35	54.00	12.65	500.0	200.0	V	39.0	4.0
1699.750000	57.30	---	74.00	16.70	500.0	100.0	H	190.0	4.0
2047.500000	54.15	---	74.00	19.85	500.0	100.0	V	0.0	5.8
2080.000000	---	42.95	54.00	11.05	500.0	200.0	V	185.0	6.1
2277.750000	54.69	---	74.00	19.31	500.0	100.0	V	0.0	7.0
2297.500000	---	43.59	54.00	10.42	500.0	100.0	H	198.0	7.2
2937.500000	---	46.08	54.00	7.92	500.0	100.0	V	303.0	9.0
2944.000000	57.81	---	74.00	16.19	500.0	200.0	V	168.0	9.1

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

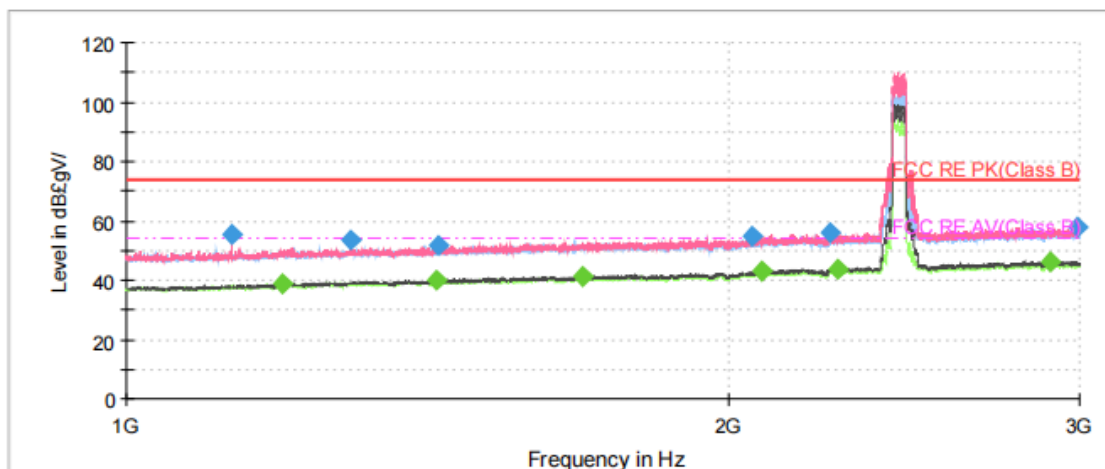


Final Result

Frequency (MHz)	MaxPeak (dBµgV/m)	Average (dBµgV/m)	Limit (dBµgV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3645.000000	40.30	---	74.00	33.70	500.0	200.0	V	207.0	-8.0
4005.000000	---	28.64	54.00	25.36	500.0	200.0	V	49.0	-6.8
4833.750000	41.69	---	74.00	32.31	500.0	200.0	H	243.0	-6.0
4837.500000	---	31.27	54.00	22.73	500.0	200.0	H	243.0	-6.0
6960.000000	---	37.49	54.00	16.51	500.0	100.0	H	215.0	-2.9
6960.000000	44.04	---	74.00	29.96	500.0	100.0	H	215.0	-2.9
9660.000000	44.31	---	74.00	29.69	500.0	100.0	V	0.0	-0.6
9688.125000	---	34.17	54.00	19.83	500.0	100.0	H	215.0	-0.7
12879.375000	43.86	---	74.00	30.14	500.0	100.0	V	350.0	0.9
13342.500000	---	32.87	54.00	21.13	500.0	200.0	V	0.0	2.3
13854.375000	46.07	---	74.00	27.93	500.0	100.0	V	85.0	3.8
13867.500000	---	34.03	54.00	19.97	500.0	100.0	H	168.0	3.9

Radiates Emission from 3GHz to 18GHz

802.11ax HE40 CH6

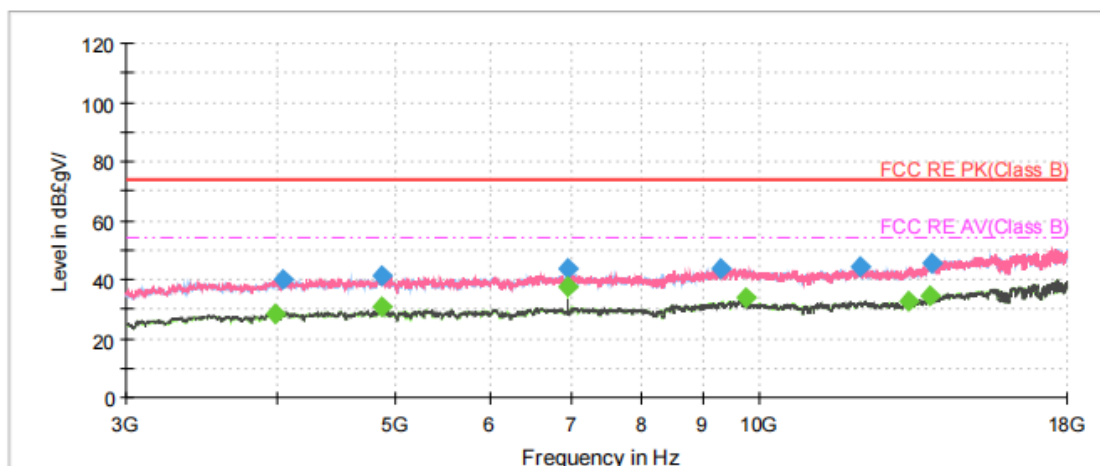


Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1130.000000	55.09	---	74.00	18.91	500.0	200.0	V	93.0	0.1
1197.750000	---	38.79	54.00	15.21	500.0	200.0	V	318.0	1.2
1294.250000	53.61	---	74.00	20.39	500.0	200.0	V	297.0	1.8
1429.000000	---	40.07	54.00	13.93	500.0	200.0	V	165.0	2.6
1433.000000	51.66	---	74.00	22.34	500.0	100.0	H	51.0	2.6
1691.250000	---	41.23	54.00	12.77	500.0	200.0	V	143.0	4.0
2058.250000	54.47	---	74.00	19.53	500.0	200.0	V	26.0	5.9
2079.000000	---	42.98	54.00	11.02	500.0	100.0	V	326.0	6.1
2250.000000	56.18	---	74.00	17.82	500.0	100.0	V	342.0	6.9
2268.250000	---	43.56	54.00	10.44	500.0	200.0	V	215.0	7.0
2900.750000	---	46.34	54.00	7.66	500.0	200.0	V	69.0	9.0
2992.000000	58.12	---	74.00	15.88	500.0	200.0	V	0.0	9.4

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

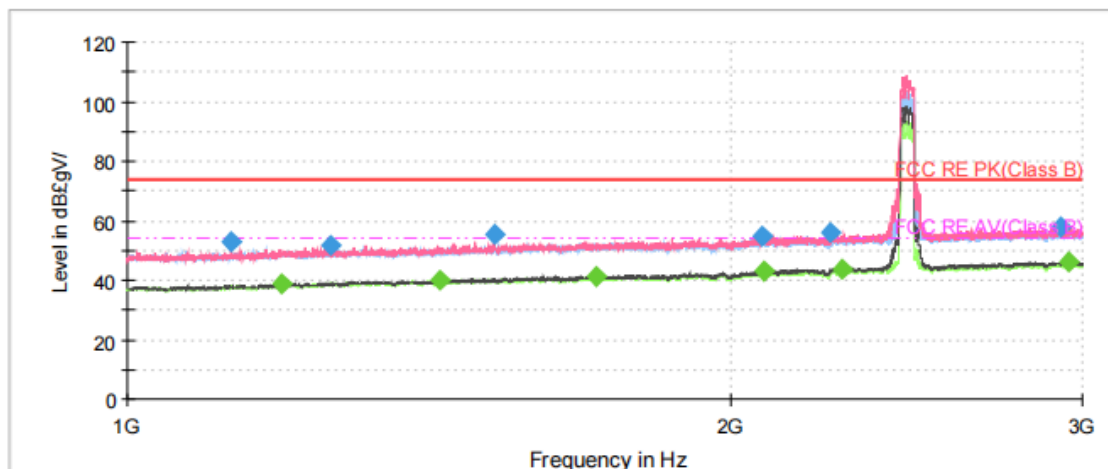


Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3986.250000	---	28.46	54.00	25.54	500.0	200.0	H	0.0	-6.8
4036.875000	39.80	---	74.00	34.20	500.0	200.0	V	6.0	-6.7
4876.875000	---	30.97	54.00	23.03	500.0	100.0	H	164.0	-5.8
4876.875000	40.95	---	74.00	33.05	500.0	100.0	H	164.0	-5.8
6960.000000	---	37.78	54.00	16.22	500.0	200.0	H	203.0	-2.9
6960.000000	43.97	---	74.00	30.03	500.0	200.0	H	203.0	-2.9
9298.125000	43.89	---	74.00	30.11	500.0	200.0	H	103.0	-0.9
9748.125000	---	34.03	54.00	19.97	500.0	100.0	H	221.0	-0.5
12153.750000	44.46	---	74.00	29.54	500.0	100.0	H	0.0	0.3
13320.000000	---	32.75	54.00	21.25	500.0	200.0	V	80.0	2.3
13841.250000	---	34.23	54.00	19.77	500.0	200.0	H	321.0	3.8
13908.750000	45.41	---	74.00	28.59	500.0	100.0	V	228.0	3.9

Radiates Emission from 3GHz to 18GHz

802.11ax HE40 CH9

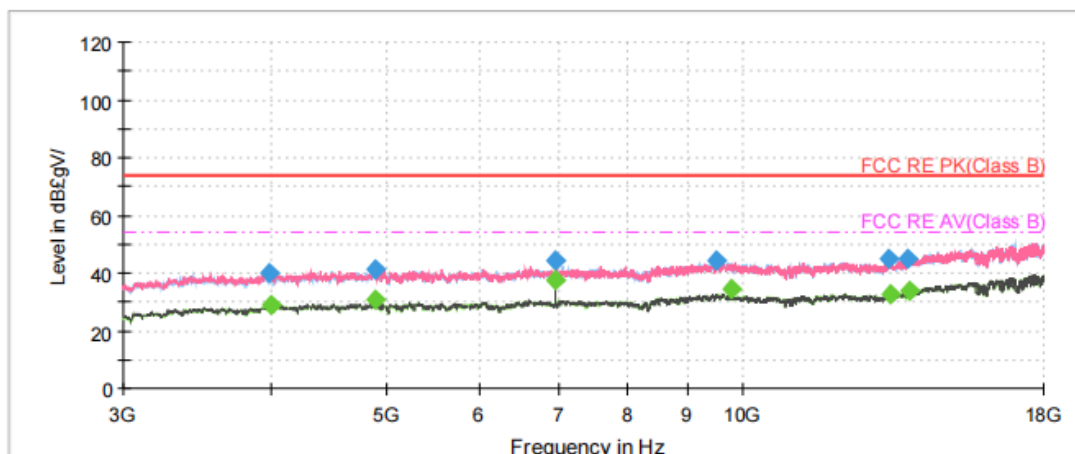


Final Result

Frequency (MHz)	MaxPeak (dBµgV/m)	Average (dBµgV/m)	Limit (dBµgV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1126.500000	53.16	---	74.00	20.84	500.0	200.0	V	312.0	0.1
1195.500000	---	38.84	54.00	15.16	500.0	200.0	V	88.0	1.1
1262.500000	51.89	---	74.00	22.11	500.0	200.0	V	113.0	1.5
1434.000000	---	39.96	54.00	14.04	500.0	200.0	H	278.0	2.6
1525.250000	55.54	---	74.00	18.46	500.0	200.0	V	191.0	3.1
1714.750000	---	41.29	54.00	12.71	500.0	100.0	V	277.0	4.1
2074.500000	54.48	---	74.00	19.52	500.0	200.0	V	121.0	6.0
2078.750000	---	42.92	54.00	11.08	500.0	100.0	V	277.0	6.1
2246.250000	55.71	---	74.00	18.29	500.0	200.0	V	6.0	6.9
2274.000000	---	43.67	54.00	10.33	500.0	200.0	V	96.0	7.0
2924.750000	58.00	---	74.00	16.00	500.0	200.0	V	72.0	9.0
2956.500000	---	46.15	54.00	7.85	500.0	100.0	V	319.0	9.2

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



Final Result

Frequency (MHz)	MaxPeak (dBµgV/m)	Average (dBµgV/m)	Limit (dBµgV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3990.000000	39.93	---	74.00	34.07	500.0	100.0	V	349.0	-6.8
4003.125000	---	28.74	54.00	25.26	500.0	100.0	V	13.0	-6.8
4905.000000	41.47	---	74.00	32.53	500.0	200.0	H	237.0	-5.4
4906.875000	---	30.93	54.00	23.07	500.0	100.0	V	164.0	-5.4
6960.000000	---	37.60	54.00	16.40	500.0	100.0	H	211.0	-2.9
6960.000000	44.30	---	74.00	29.70	500.0	100.0	H	211.0	-2.9
9523.125000	44.01	---	74.00	29.99	500.0	100.0	H	26.0	-0.1
9808.125000	---	34.45	54.00	19.55	500.0	200.0	H	336.0	-0.4
13316.250000	45.07	---	74.00	28.93	500.0	200.0	H	250.0	2.3
13348.125000	---	32.88	54.00	21.12	500.0	100.0	V	110.0	2.4
13824.375000	45.02	---	74.00	28.98	500.0	100.0	H	145.0	3.8
13867.500000	---	34.12	54.00	19.88	500.0	200.0	H	237.0	3.9

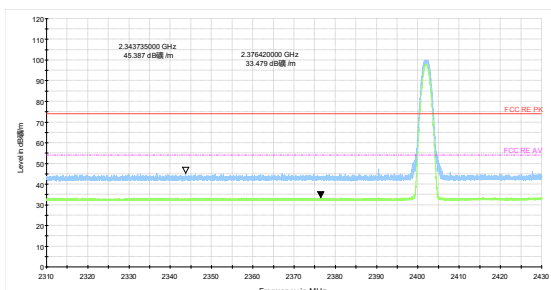
Radiates Emission from 3GHz to 18GHz

1.2. Bluetooth LE

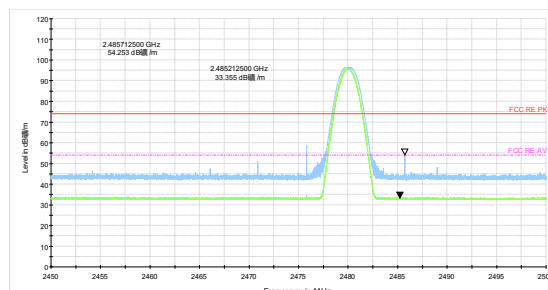
The following graphs display the maximum values of horizontal and vertical by software.
Blue trace uses the peak detection, Green trace uses the average detection.

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

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



Bluetooth LE (1M) Channel 0 Peak+ Average



Bluetooth LE (1M) Channel 39 Peak+Average

Result of RE

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

Remark:

1. **Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**
2. **Margin = Limit – Quasi-Peak/ MAX Peak/ Average**
3. **A symbol ($\text{dB } \mu\text{V/m}$) in the test plot below means ($\text{dB}\mu\text{V/m}$)**
4. **The following graphs display the maximum values of horizontal and vertical by software.**
5. **For below 1GHz**

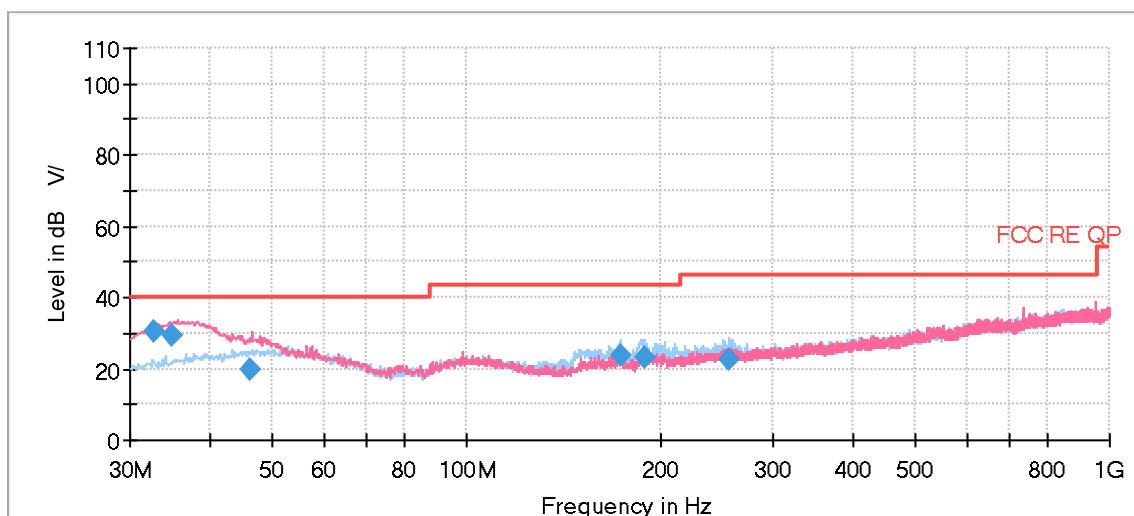
 QP Level @Spectrum Overview H
  QP Level @Spectrum Overview V
  QP Level @Final Results
  QP Limit

For above 1GHz

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

Continuous TX mode:

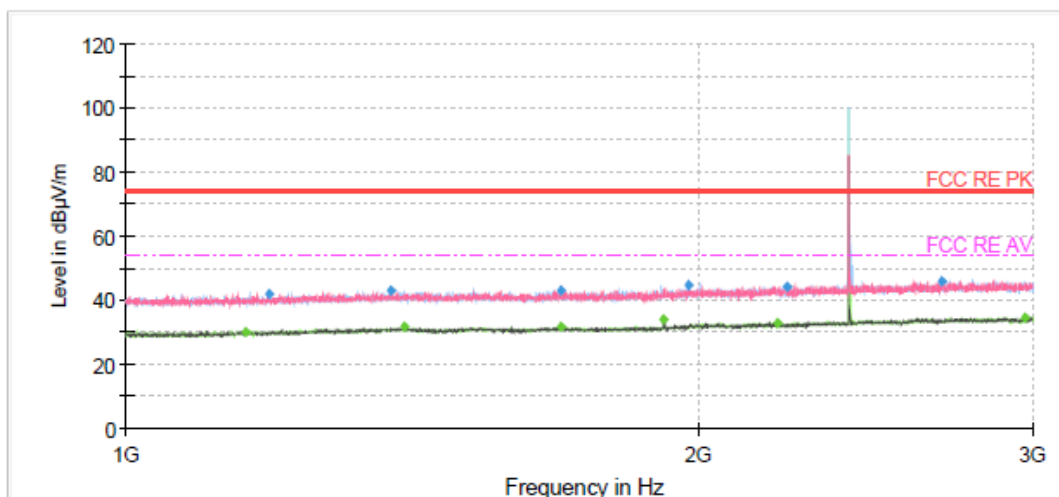
During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels. The test data of the worst-case condition was recorded in this report.



Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak ($\text{dB}\mu\text{V/m}$)	Limit ($\text{dB}\mu\text{V/m}$)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
32.745000	30.18	40.00	9.82	100.0	V	0.0	17.7
34.857500	29.39	40.00	10.61	100.0	V	127.0	18.3
46.090000	19.92	40.00	20.08	125.0	V	20.0	21.2
173.397500	23.46	43.50	20.04	175.0	H	262.0	19.6
189.480000	23.19	43.50	20.31	175.0	H	69.0	18.5
255.413750	22.38	46.00	23.62	100.0	H	297.0	20.5

Bluetooth LE-Channel 0

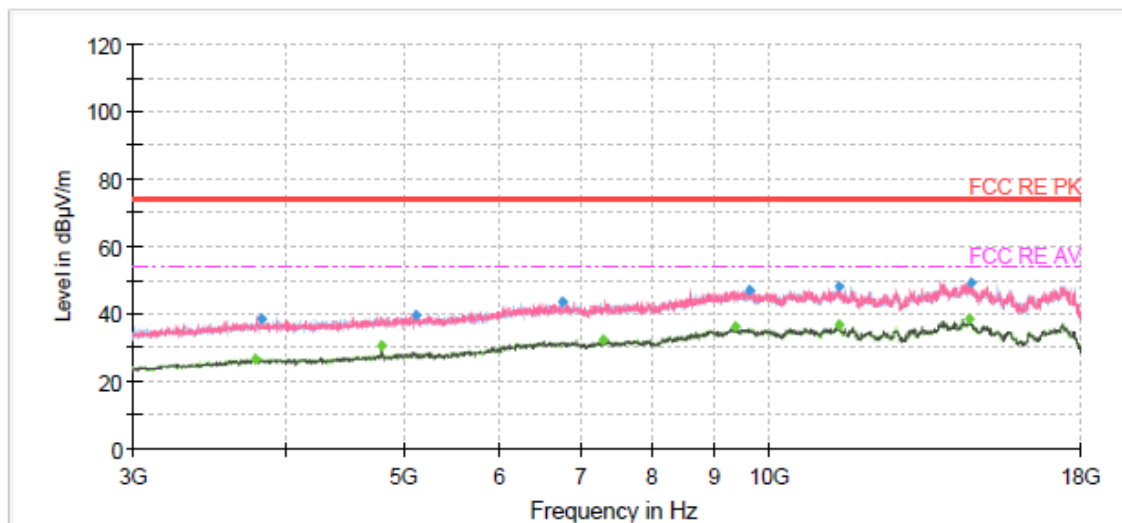


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1155.50	---	30.21	54.00	23.79	500.00	100.0	V	20.00	-6
1188.00	42.08	---	74.00	31.92	500.00	100.0	H	349.00	-6
1378.75	43.03	---	74.00	30.97	500.00	100.0	H	52.00	-5
1401.00	---	31.43	54.00	22.57	500.00	200.0	H	267.00	-4
1692.00	43.05	---	74.00	30.95	500.00	100.0	V	199.00	-3
1695.25	---	31.65	54.00	22.35	500.00	200.0	H	351.00	-3
1920.00	---	33.91	54.00	20.09	500.00	200.0	V	5.00	-3
1978.25	44.98	---	74.00	29.02	500.00	100.0	H	213.00	-2
2204.00	---	32.59	54.00	21.41	500.00	200.0	H	357.00	-1
2225.50	44.37	---	74.00	29.63	500.00	200.0	V	31.00	-1
2684.25	46.09	---	74.00	27.91	500.00	200.0	H	199.00	0
2972.25	---	34.72	54.00	19.28	500.00	100.0	H	11.00	1

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

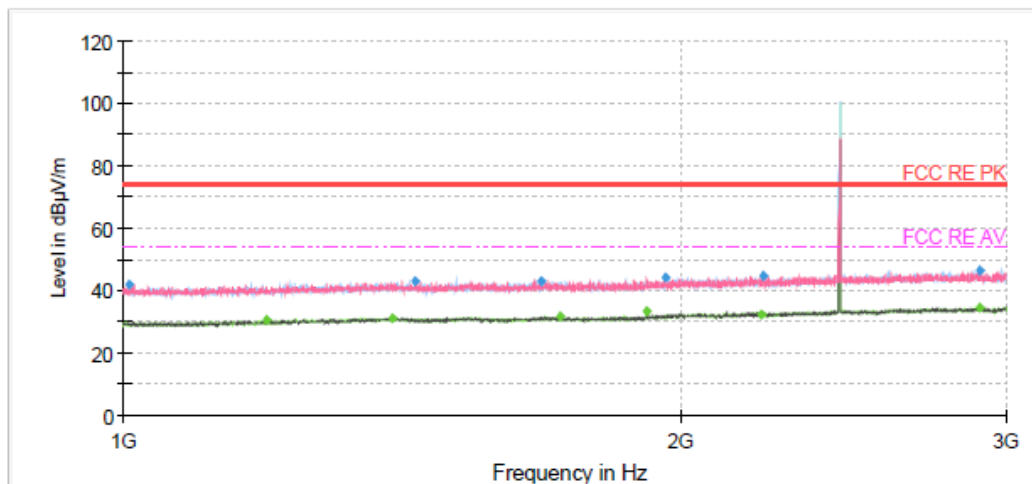


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3785.63	---	26.64	54.00	27.36	500.00	100.0	H	30.00	-7
3826.88	38.64	---	74.00	35.36	500.00	100.0	H	354.00	-7
4803.75	---	30.85	54.00	23.15	500.00	100.0	H	42.00	-4
5118.75	39.79	---	74.00	34.21	500.00	200.0	H	318.00	-4
6742.50	43.68	---	74.00	30.32	500.00	200.0	H	129.00	0
7305.00	---	32.05	54.00	21.95	500.00	200.0	H	252.00	0
9365.63	---	36.00	54.00	18.00	500.00	200.0	H	358.00	5
9607.50	46.86	---	74.00	27.14	500.00	100.0	V	357.00	5
11381.25	48.09	---	74.00	25.91	500.00	200.0	V	138.00	6
11381.25	---	36.73	54.00	17.27	500.00	200.0	V	138.00	6
14583.75	---	38.48	54.00	15.52	500.00	100.0	V	220.00	9
14598.75	49.51	---	74.00	24.49	500.00	100.0	H	0.00	9

Radiates Emission from 3GHz to 18GHz

Bluetooth LE-Channel 19

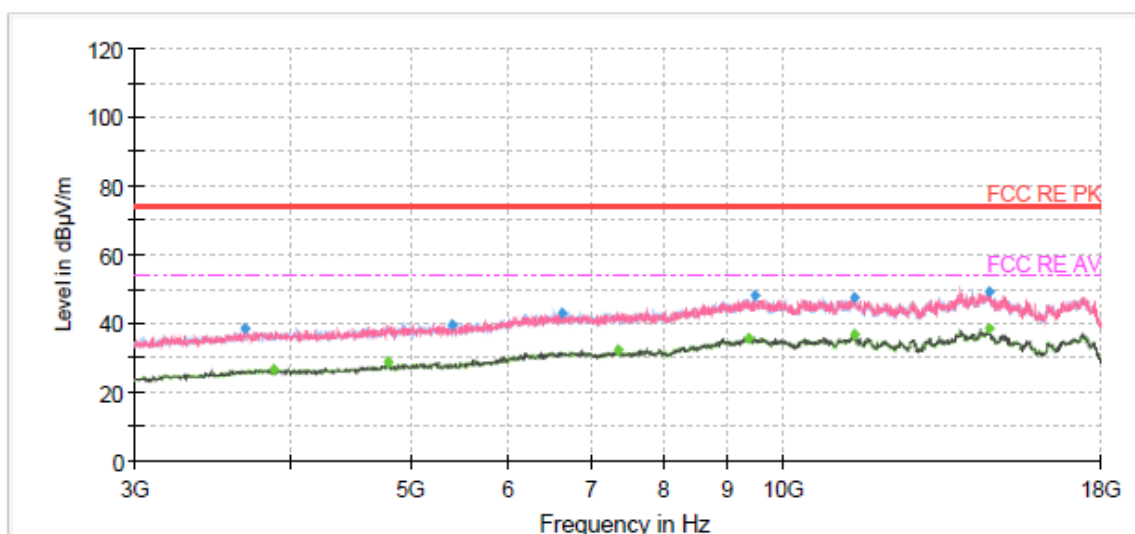


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1007.25	41.77	---	74.00	32.23	500.00	100.0	V	221.00	-7
1195.00	---	30.34	54.00	23.66	500.00	100.0	H	37.00	-6
1399.00	---	31.34	54.00	22.66	500.00	200.0	V	348.00	-4
1437.75	42.86	---	74.00	31.14	500.00	200.0	H	128.00	-5
1681.25	43.15	---	74.00	30.85	500.00	200.0	H	336.00	-4
1721.50	---	31.58	54.00	22.42	500.00	200.0	H	169.00	-3
1919.75	---	33.59	54.00	20.41	500.00	200.0	V	0.00	-3
1962.50	44.07	---	74.00	29.93	500.00	200.0	V	62.00	-2
2211.25	---	32.45	54.00	21.55	500.00	100.0	V	350.00	-1
2215.25	44.66	---	74.00	29.34	500.00	100.0	H	8.00	-1
2900.00	46.58	---	74.00	27.42	500.00	100.0	V	0.00	1
2904.75	---	34.57	54.00	19.43	500.00	100.0	V	178.00	1

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

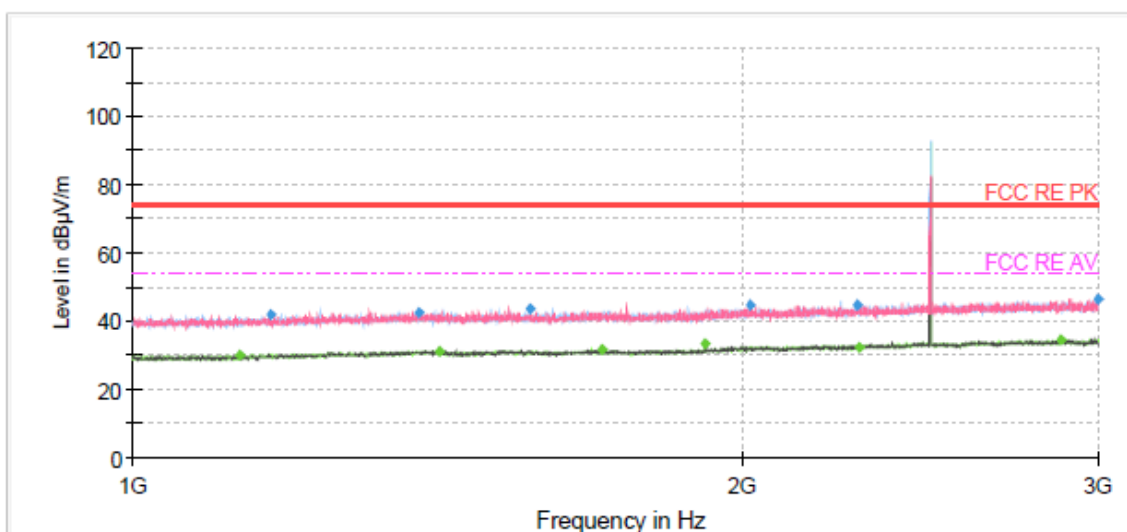


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3673.13	38.41	---	74.00	35.59	500.00	200.0	H	359.00	-7
3885.00	---	26.88	54.00	27.12	500.00	200.0	V	4.00	-7
4803.75	---	29.03	54.00	24.97	500.00	100.0	H	307.00	-4
5409.38	39.88	---	74.00	34.12	500.00	200.0	H	227.00	-3
6618.75	43.16	---	74.00	30.84	500.00	100.0	H	359.00	0
7338.75	---	32.07	54.00	21.93	500.00	100.0	H	3.00	0
9363.75	---	35.81	54.00	18.19	500.00	100.0	V	221.00	5
9461.25	48.36	---	74.00	25.64	500.00	200.0	V	309.00	5
11383.13	---	36.76	54.00	17.24	500.00	200.0	V	261.00	6
11392.50	47.66	---	74.00	26.34	500.00	100.0	V	352.00	6
14598.75	49.40	---	74.00	24.60	500.00	100.0	V	0.00	9
14604.38	---	38.42	54.00	15.58	500.00	200.0	V	150.00	9

Radiates Emission from 3GHz to 18GHz

Bluetooth LE-Channel 39

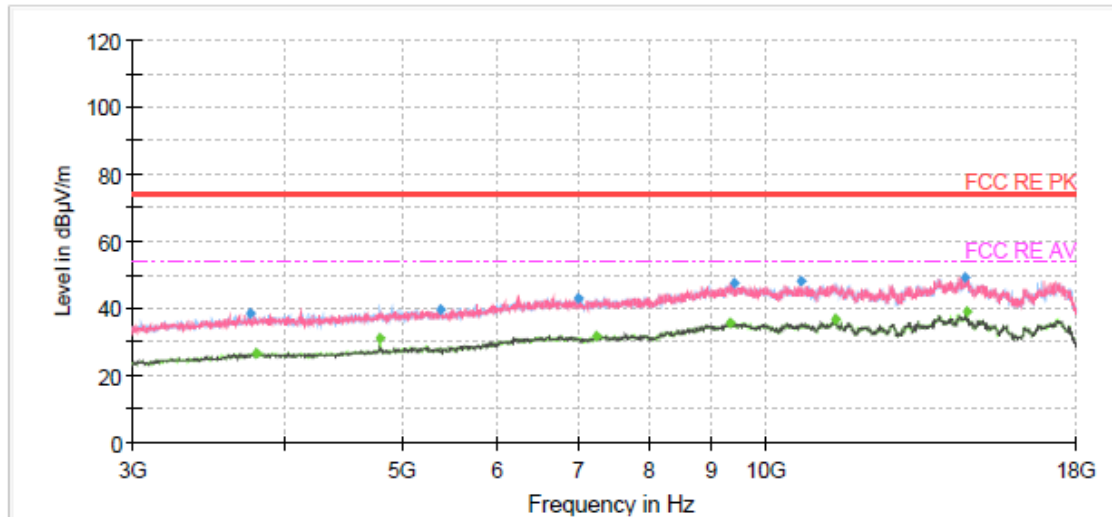


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1129.00	---	30.13	54.00	23.87	500.00	200.0	H	242.00	-6
1169.00	41.96	---	74.00	32.04	500.00	200.0	V	23.00	-6
1385.00	42.56	---	74.00	31.44	500.00	200.0	V	0.00	-4
1419.00	---	31.38	54.00	22.62	500.00	200.0	H	101.00	-4
1572.00	43.55	---	74.00	30.45	500.00	100.0	H	35.00	-4
1706.25	---	31.55	54.00	22.45	500.00	100.0	H	259.00	-3
1919.75	---	33.67	54.00	20.33	500.00	200.0	V	354.00	-3
2017.50	44.75	---	74.00	29.25	500.00	100.0	H	216.00	-2
2280.75	44.95	---	74.00	29.05	500.00	200.0	H	114.00	-1
2287.75	---	32.51	54.00	21.49	500.00	200.0	H	281.00	-1
2875.50	---	34.57	54.00	19.43	500.00	100.0	H	76.00	1
2996.50	46.47	---	74.00	27.53	500.00	200.0	H	0.00	1

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



Final Result

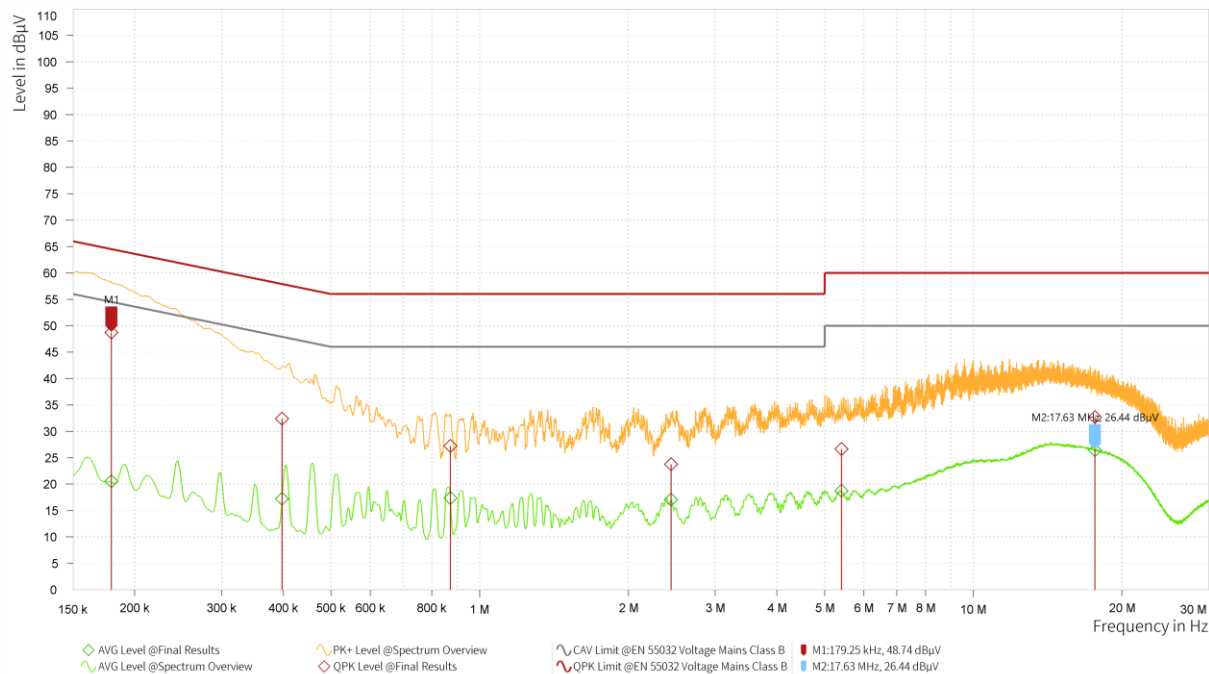
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3753.75	38.24	---	74.00	35.76	500.00	200.0	V	272.00	-7
3791.25	---	26.70	54.00	27.30	500.00	100.0	V	224.00	-7
4803.75	---	31.20	54.00	22.80	500.00	100.0	H	65.00	-4
5388.75	39.77	---	74.00	34.23	500.00	100.0	H	0.00	-3
7001.25	43.29	---	74.00	30.71	500.00	200.0	H	356.00	0
7224.38	---	31.84	54.00	22.16	500.00	200.0	H	194.00	0
9313.13	---	35.91	54.00	18.09	500.00	200.0	H	310.00	5
9391.88	47.68	---	74.00	26.32	500.00	100.0	V	24.00	5
10683.75	47.95	---	74.00	26.05	500.00	100.0	V	354.00	5
11383.13	---	36.64	54.00	17.36	500.00	100.0	V	207.00	6
14596.88	49.27	---	74.00	24.73	500.00	100.0	V	224.00	9
14606.25	---	38.80	54.00	15.20	500.00	100.0	H	6.00	9

Radiates Emission from 3GHz to 18GHz

2. Conducted Emission

2.1. Wi-Fi 2.4GHz

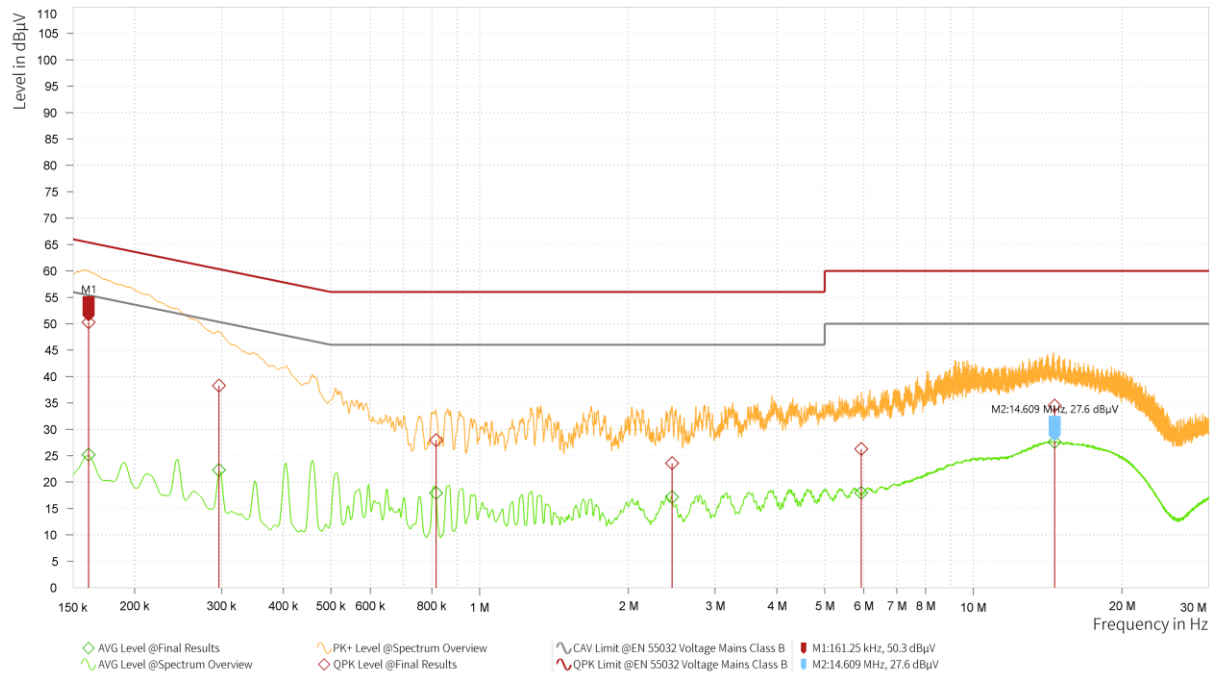
During the test, the Conducted Emission was performed in all modes with all channel. The test data of the worst-case condition was recorded in this report.



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]
0.179	48.74	64.52	15.79	20.54	54.52	33.98	21.03	L1	9.000	1.000
0.398	32.38	57.91	25.53	17.24	47.91	30.66	20.88	L1	9.000	1.000
0.872	27.24	56.00	28.76	17.37	46.00	28.63	20.26	L1	9.000	1.000
2.441	23.75	56.00	32.25	17.07	46.00	28.93	19.55	L1	9.000	1.000
5.406	26.65	60.00	33.35	18.73	50.00	31.27	19.40	L1	9.000	1.000
17.630	32.67	60.00	27.33	26.44	50.00	23.56	19.58	L1	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

L line Conducted Emission from 150 kHz to 30 MHz



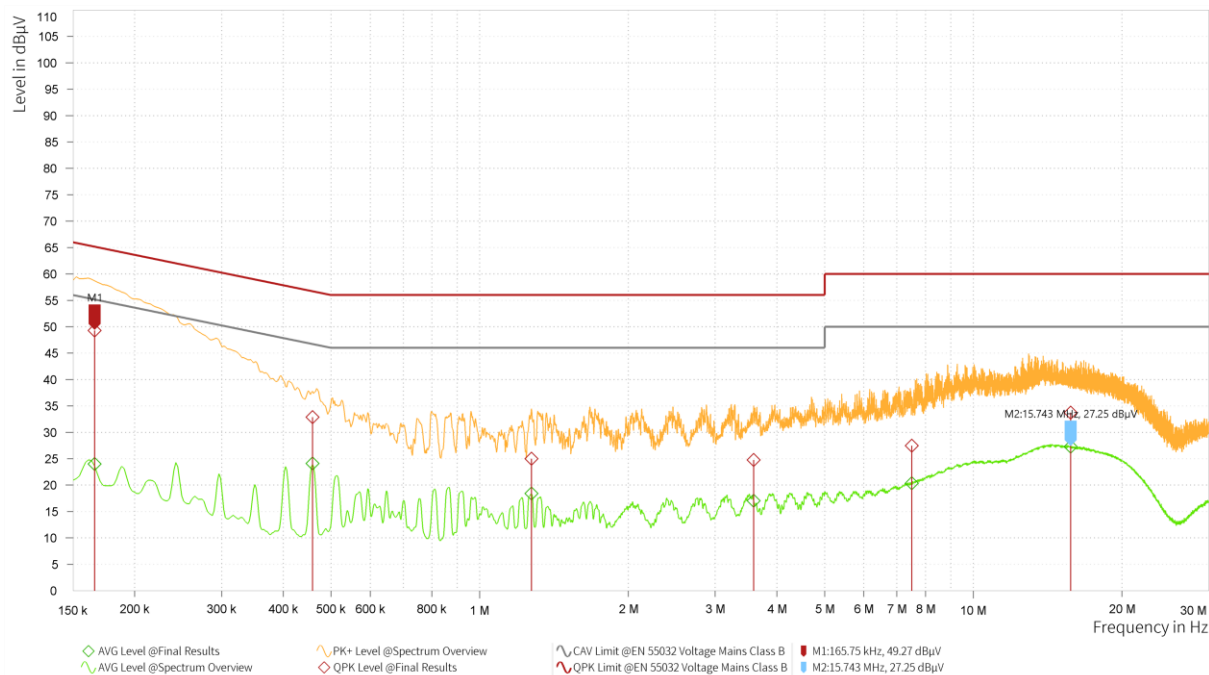
Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG: CAV Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.161	50.30	65.40	15.10	25.20	55.40	30.20	20.90	N	9.000	1.000
0.296	38.26	60.35	22.09	22.31	50.35	28.03	20.95	N	9.000	1.000
0.816	27.94	56.00	28.06	17.94	46.00	28.06	20.32	N	9.000	1.000
2.452	23.55	56.00	32.45	17.15	46.00	28.85	19.56	N	9.000	1.000
5.930	26.26	60.00	33.74	17.96	50.00	32.04	19.41	N	9.000	1.000
14.609	34.51	60.00	25.49	27.60	50.00	22.40	19.52	N	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 kHz to 30 MHz

2.2. Bluetooth LE

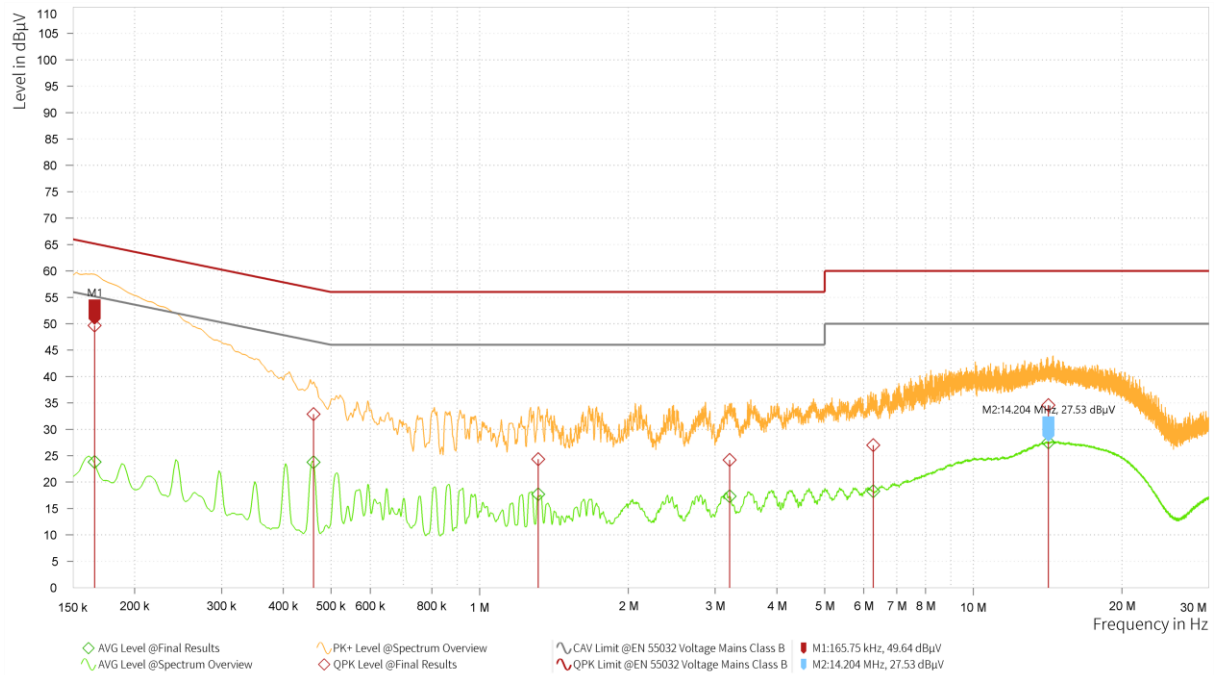
During the test, the Conducted Emission was performed in all modes with all channels. The test data of the worst-case condition was recorded in this report.



Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	AVG Level [dBµV]	AVG: CAV Limit [dBµV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.166	49.27	65.17	15.90	24.01	55.17	31.16	20.89	L1	9.000	1.000
0.458	32.85	56.72	23.87	24.11	46.72	22.61	20.82	L1	9.000	1.000
1.273	25.00	56.00	31.00	18.40	46.00	27.60	19.97	L1	9.000	1.000
3.590	24.78	56.00	31.22	17.02	46.00	28.98	19.44	L1	9.000	1.000
7.510	27.47	60.00	32.53	20.35	50.00	29.65	19.41	L1	9.000	1.000
15.743	33.71	60.00	26.29	27.25	50.00	22.75	19.53	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]
0.166	49.64	65.17	15.53	23.81	55.17	31.36	20.90	N	9.000	1.000
0.461	32.86	56.68	23.82	23.76	46.68	22.93	20.83	N	9.000	1.000
1.313	24.34	56.00	31.66	17.70	46.00	28.30	19.95	N	9.000	1.000
3.208	24.21	56.00	31.79	17.32	46.00	28.68	19.48	N	9.000	1.000
6.272	26.97	60.00	33.03	18.28	50.00	31.72	19.41	N	9.000	1.000
14.204	34.57	60.00	25.43	27.53	50.00	22.47	19.51	N	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 kHz to 30 MHz