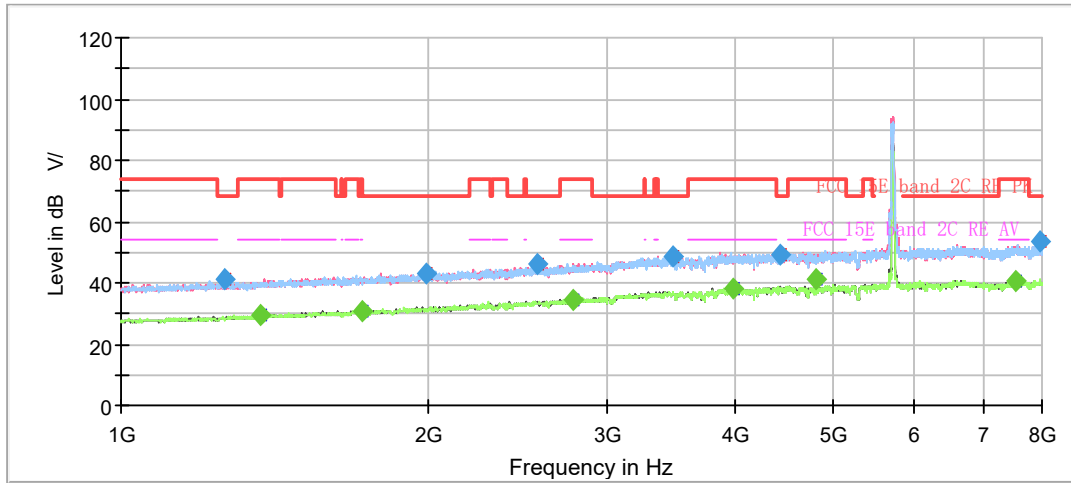
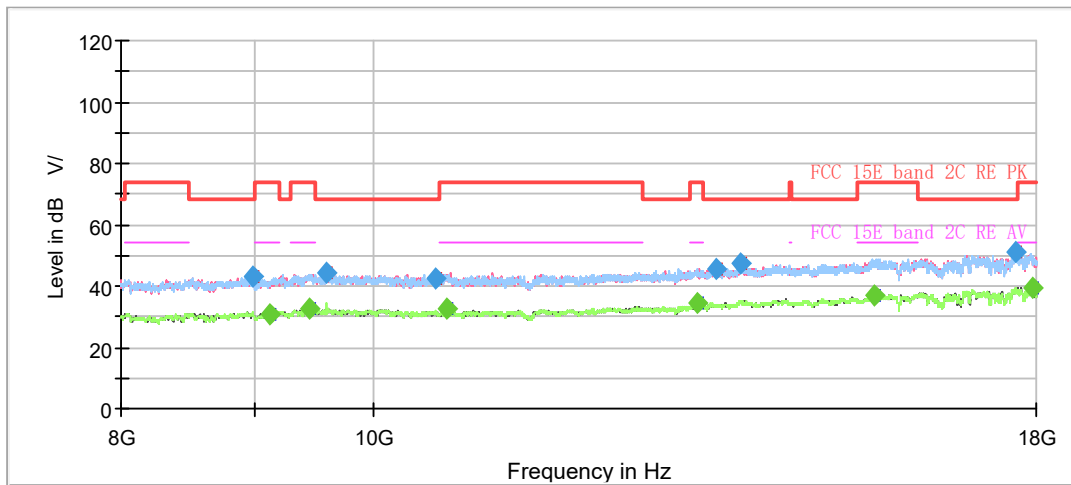


802.11n (HT40) CH142



~ 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

Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 8GHz



~ 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

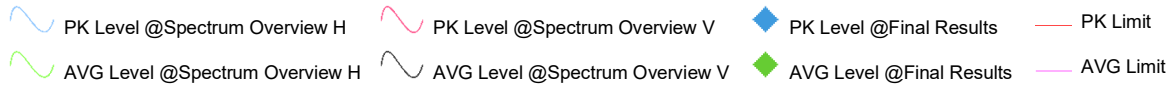
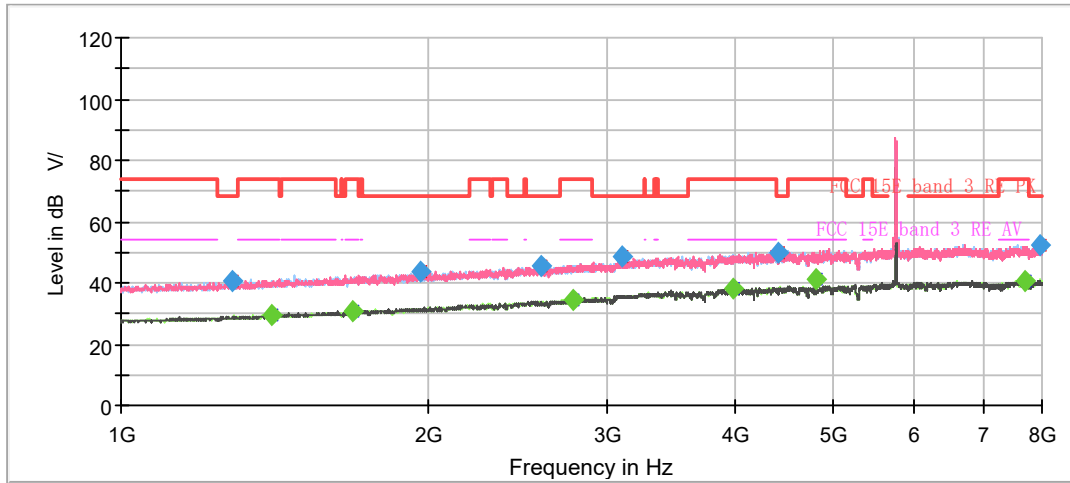
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1266.000000	41.13	---	68.20	27.07	500.0	200.0	H	165.0	-8.2
1367.500000	---	29.46	54.00	24.54	500.0	200.0	H	69.0	-7.6
1721.875000	---	30.70	54.00	23.30	500.0	200.0	H	55.0	-5.8
1987.875000	43.28	---	68.20	24.92	500.0	200.0	H	291.0	-4.6
2564.500000	46.26	---	68.20	21.94	500.0	100.0	H	132.0	-2.2
2779.750000	---	34.69	54.00	19.31	500.0	200.0	V	170.0	-1.5
3473.625000	48.57	---	68.20	19.63	500.0	200.0	H	98.0	1.2
3984.625000	---	38.02	54.00	15.98	500.0	100.0	V	266.0	2.8
4427.375000	49.08	---	68.20	19.12	500.0	100.0	V	9.0	3.9
4800.125000	---	41.05	54.00	12.95	500.0	100.0	V	84.0	4.4
7533.625000	---	40.66	54.00	13.34	500.0	200.0	V	270.0	7.4
7965.000000	53.68	---	68.20	14.52	500.0	200.0	H	25.0	8.3

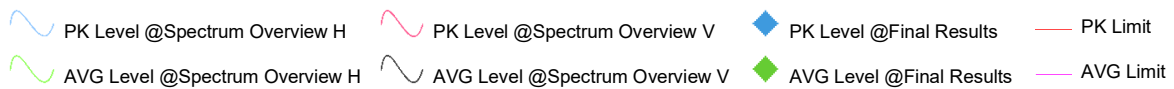
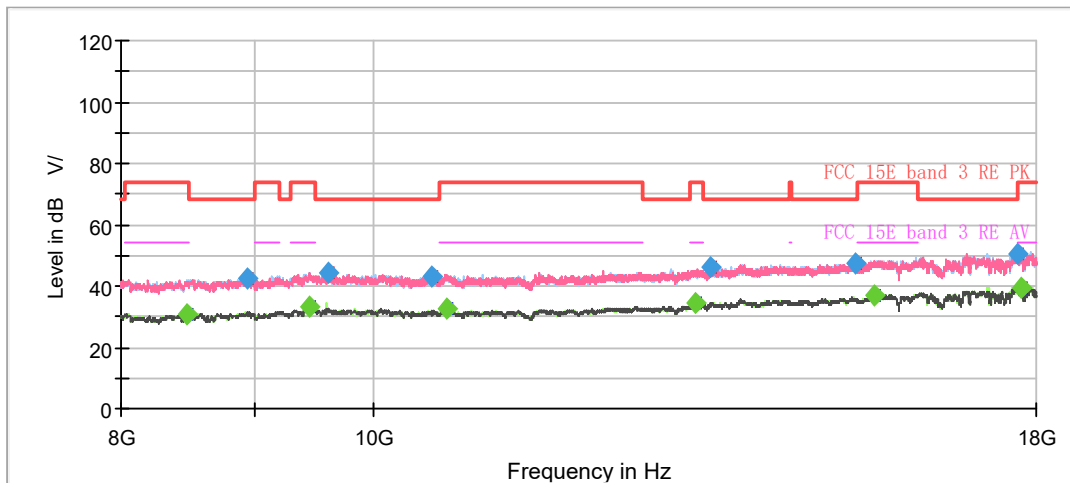
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT40) CH151



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 8GHz



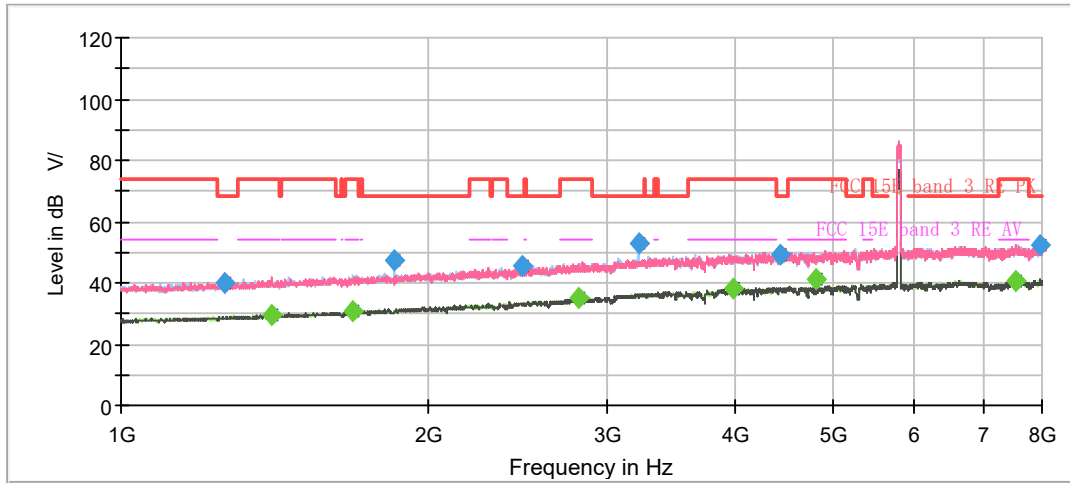
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1285.250000	40.43	---	68.20	27.77	500.0	100.0	V	273.0	-8.1
1403.375000	---	29.69	54.00	24.31	500.0	100.0	H	22.0	-7.5
1689.500000	---	30.57	54.00	23.43	500.0	100.0	H	73.0	-5.9
1966.000000	43.42	---	68.20	24.78	500.0	100.0	V	357.0	-4.6
2585.500000	45.83	---	68.20	22.37	500.0	100.0	V	0.0	-2.2
2769.250000	---	34.67	54.00	19.33	500.0	100.0	H	42.0	-1.5
3096.500000	48.65	---	68.20	19.55	500.0	100.0	V	352.0	-0.2
3987.250000	---	38.25	54.00	15.75	500.0	200.0	H	307.0	2.9
4415.125000	49.66	---	68.20	18.54	500.0	200.0	H	328.0	3.8
4800.125000	---	41.47	54.00	12.53	500.0	100.0	V	107.0	4.4
7694.625000	---	40.58	54.00	13.42	500.0	100.0	V	42.0	7.9
7960.625000	52.32	---	68.20	15.88	500.0	200.0	V	141.0	8.3

Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

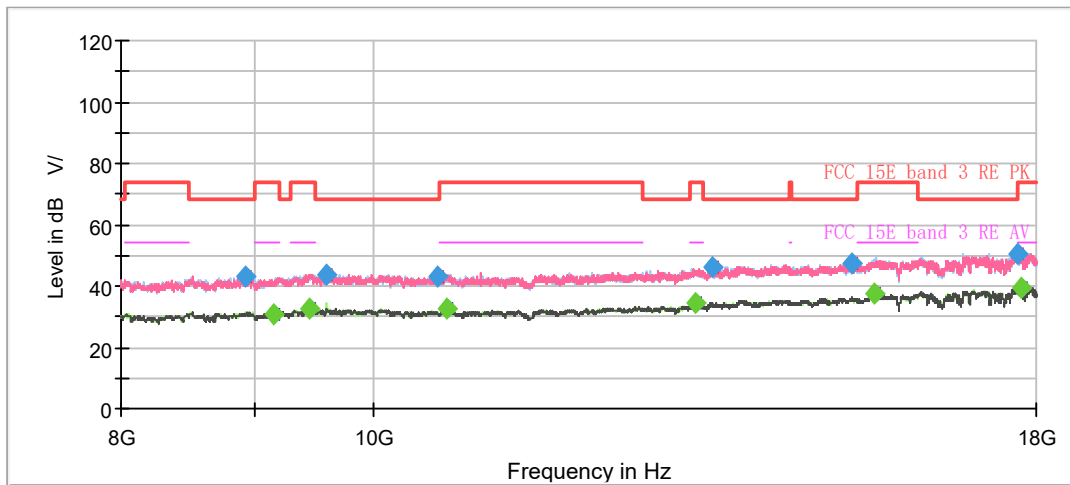
2. Margin = Limit –MAX Peak/ Average

802.11n (HT40) CH159



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

Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 8GHz



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

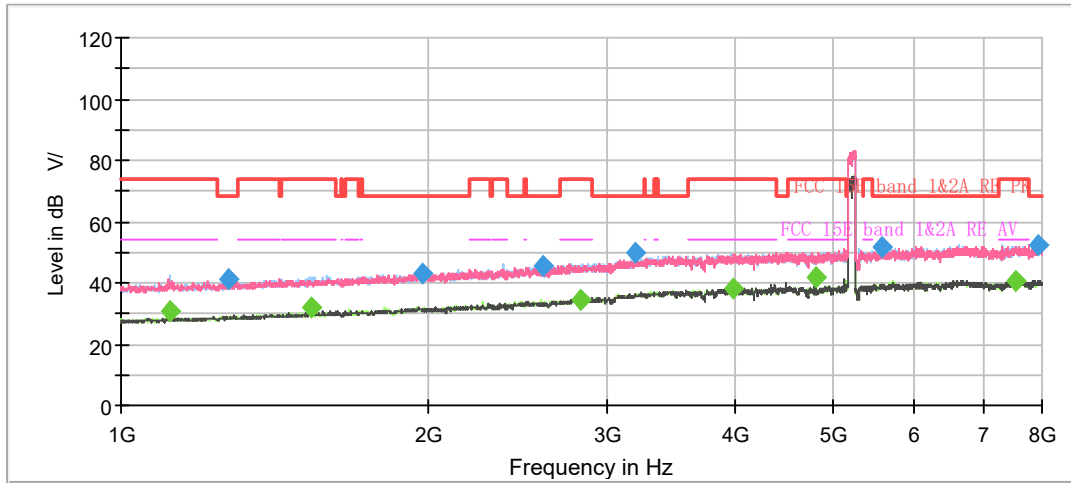
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1266.000000	40.27	---	68.20	27.93	500.0	100.0	H	166.0	-8.2
1406.000000	---	29.67	54.00	24.33	500.0	200.0	H	65.0	-7.4
1684.250000	---	30.67	54.00	23.33	500.0	200.0	V	26.0	-6.0
1852.250000	47.37	---	68.20	20.83	500.0	100.0	H	101.0	-5.1
2477.875000	45.41	---	68.20	22.79	500.0	100.0	V	290.0	-2.5
2813.875000	---	34.82	54.00	19.18	500.0	100.0	V	275.0	-1.3
3213.750000	52.68	---	68.20	15.52	500.0	100.0	H	202.0	0.1
3982.875000	---	38.19	54.00	15.81	500.0	200.0	H	313.0	2.8
4431.750000	49.51	---	68.20	18.69	500.0	100.0	H	76.0	3.9
4800.125000	---	41.45	54.00	12.55	500.0	100.0	V	103.0	4.4
7537.125000	---	40.64	54.00	13.36	500.0	100.0	H	255.0	7.4
7960.625000	52.25	---	68.20	15.95	500.0	100.0	V	270.0	8.3

Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

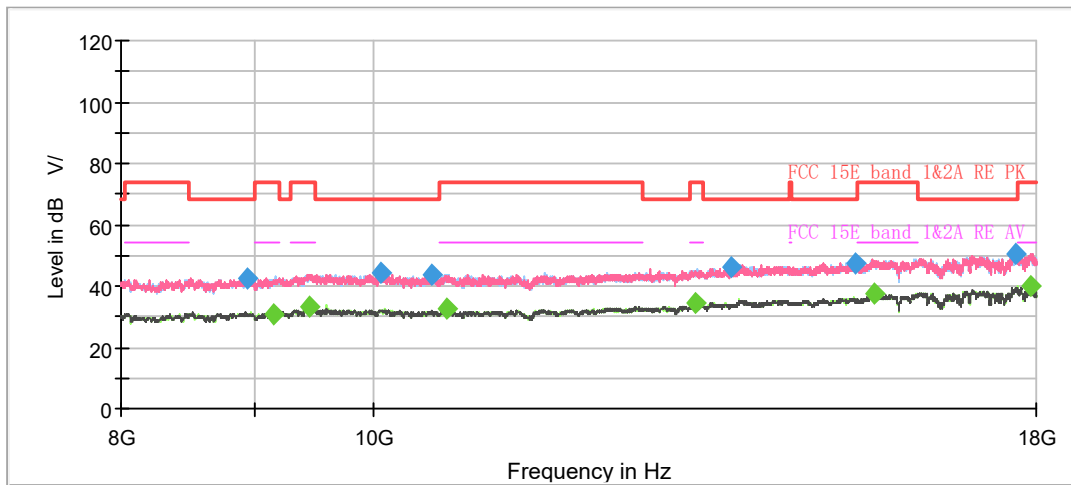
2. Margin = Limit –MAX Peak/ Average

802.11ac (VHT80) CH42



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

Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 8GHz



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

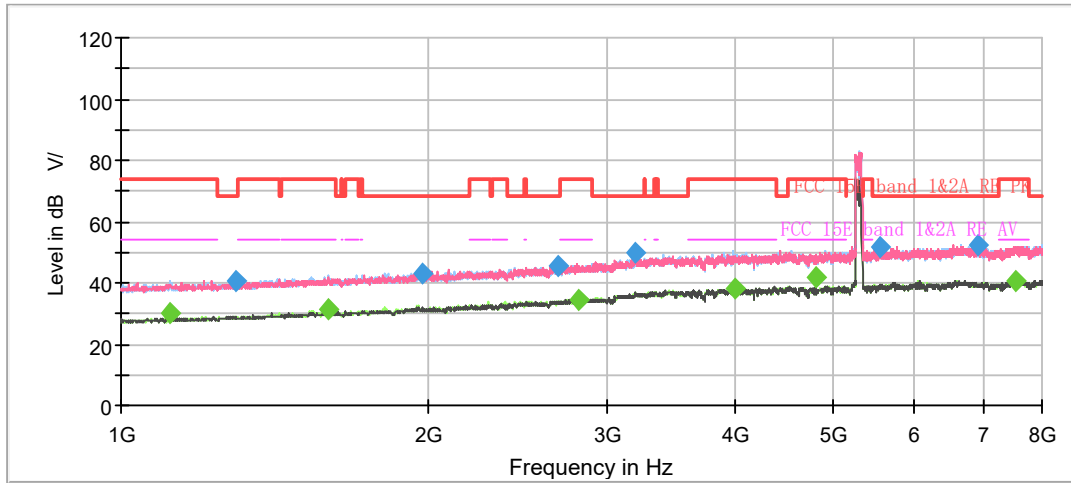
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1115.500000	---	31.05	54.00	22.95	500.0	100.0	H	96.0	-9.2
1273.000000	41.41	---	68.20	26.79	500.0	200.0	H	205.0	-8.2
1536.375000	---	31.76	54.00	22.24	500.0	100.0	H	71.0	-6.6
1975.625000	43.08	---	68.20	25.12	500.0	100.0	H	275.0	-4.6
2588.125000	45.79	---	68.20	22.41	500.0	200.0	H	245.0	-2.2
2821.750000	---	34.75	54.00	19.25	500.0	200.0	V	212.0	-1.3
3198.000000	49.73	---	68.20	18.47	500.0	100.0	H	25.0	0.0
3988.125000	---	37.94	54.00	16.06	500.0	200.0	V	53.0	2.9
4800.125000	---	41.58	54.00	12.42	500.0	100.0	H	213.0	4.4
5577.125000	51.53	---	68.20	16.67	500.0	100.0	V	0.0	6.2
7525.750000	---	40.57	54.00	13.43	500.0	100.0	H	0.0	7.3
7927.375000	52.33	---	68.20	15.87	500.0	200.0	V	69.0	8.2

Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

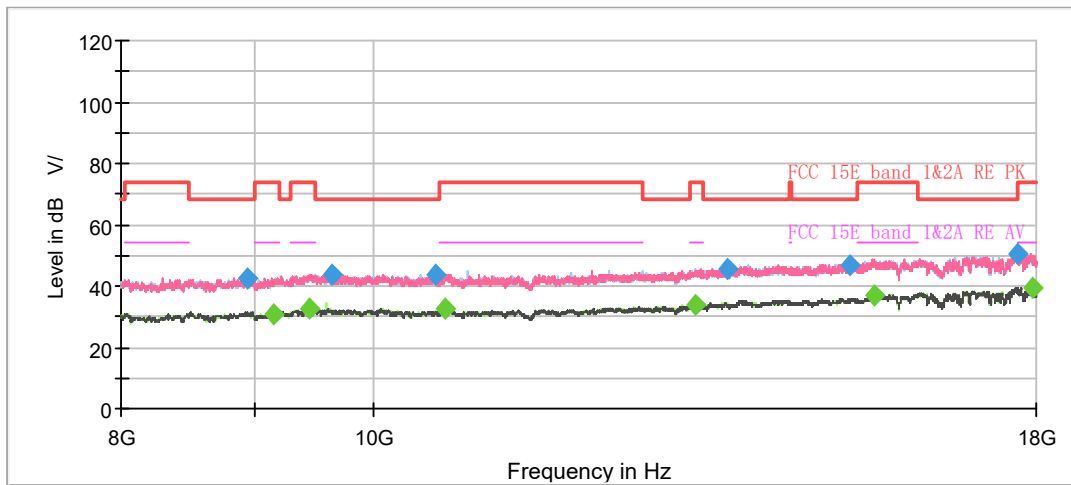
2. Margin = Limit –MAX Peak/ Average

802.11ac (VHT80) CH58



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

Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 8GHz



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

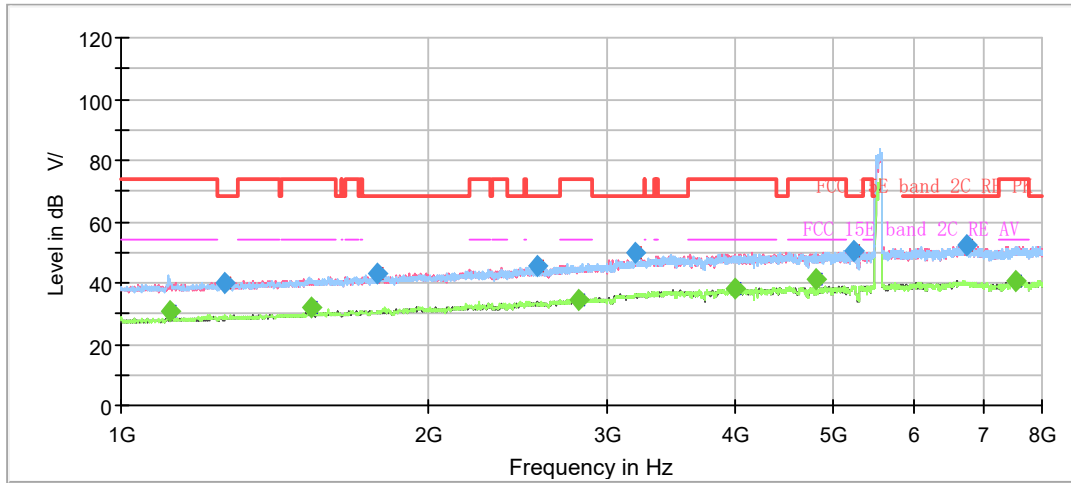
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1118.125000	---	30.37	54.00	23.63	500.0	100.0	V	96.0	-9.2
1298.375000	40.68	---	68.20	27.52	500.0	100.0	H	93.0	-8.0
1597.625000	---	31.10	54.00	22.90	500.0	100.0	H	67.0	-6.3
1975.625000	43.11	---	68.20	25.09	500.0	100.0	H	129.0	-4.6
2676.500000	45.33	---	68.20	22.87	500.0	100.0	V	51.0	-1.9
2807.750000	---	34.54	54.00	19.46	500.0	200.0	V	79.0	-1.4
3191.875000	49.57	---	68.20	18.63	500.0	200.0	V	307.0	0.0
3992.500000	---	37.97	54.00	16.03	500.0	100.0	H	223.0	2.9
4800.125000	---	42.04	54.00	11.96	500.0	100.0	H	269.0	4.4
5551.750000	51.62	---	68.20	16.58	500.0	100.0	H	339.0	6.1
6937.750000	52.19	---	68.20	16.01	500.0	100.0	V	107.0	6.6
7536.250000	---	40.75	54.00	13.25	500.0	200.0	H	0.0	7.4

Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

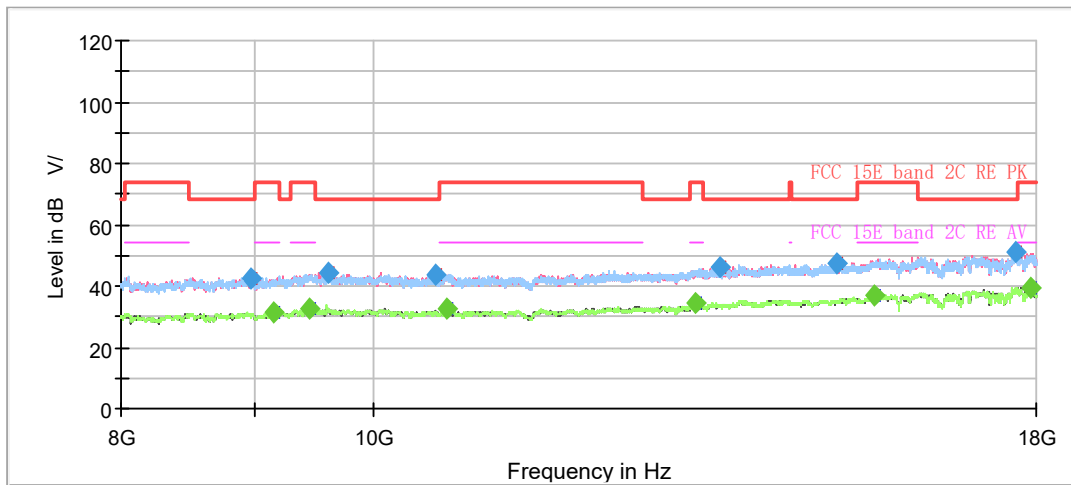
2. Margin = Limit –MAX Peak/ Average

802.11ac (VHT80) CH106



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

Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 8GHz



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

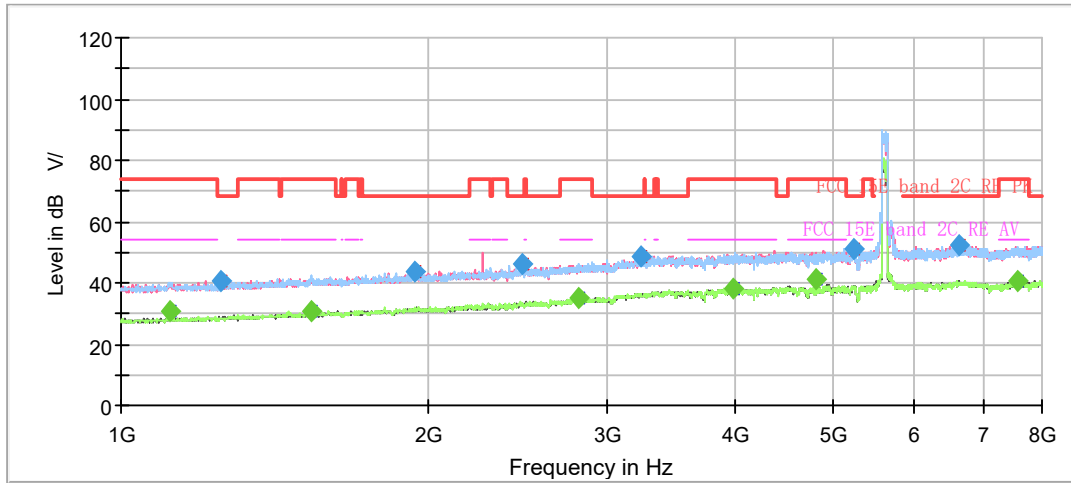
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1117.250000	---	31.03	54.00	22.97	500.0	100.0	H	84.0	-9.2
1263.375000	39.78	---	68.20	28.42	500.0	100.0	V	281.0	-8.2
1536.375000	---	32.01	54.00	21.99	500.0	100.0	H	89.0	-6.6
1782.250000	43.38	---	68.20	24.82	500.0	100.0	V	348.0	-5.5
2560.125000	45.52	---	68.20	22.68	500.0	100.0	V	267.0	-2.2
2813.875000	---	34.70	54.00	19.30	500.0	100.0	H	108.0	-1.3
3190.125000	49.59	---	68.20	18.61	500.0	200.0	V	90.0	0.0
3993.375000	---	37.96	54.00	16.04	500.0	100.0	V	227.0	2.9
4800.125000	---	41.50	54.00	12.50	500.0	100.0	H	244.0	4.4
5225.375000	50.61	---	68.20	17.59	500.0	200.0	H	205.0	5.4
6754.875000	52.15	---	68.20	16.05	500.0	200.0	H	282.0	6.4
7533.625000	---	40.50	54.00	13.50	500.0	100.0	H	43.0	7.4

Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

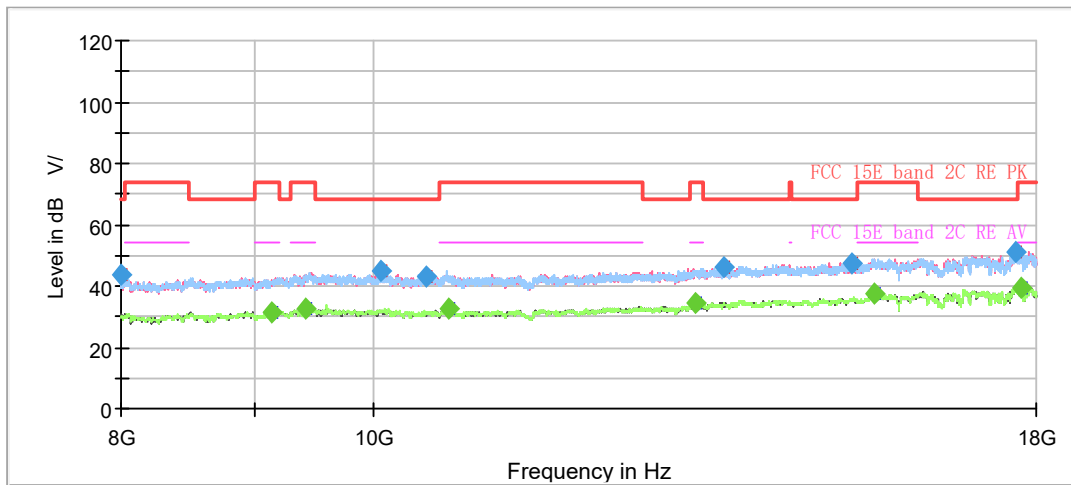
2. Margin = Limit –MAX Peak/ Average

802.11ac (VHT80) CH122



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

Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 8GHz



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

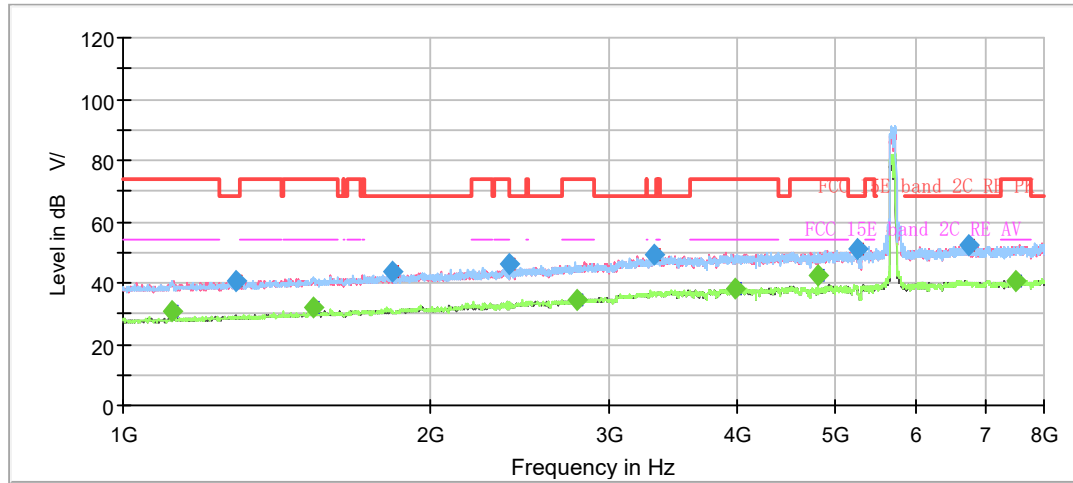
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1118.125000	---	30.79	54.00	23.21	500.0	100.0	H	82.0	-9.2
1252.875000	40.33	---	68.20	27.87	500.0	100.0	V	259.0	-8.3
1534.625000	---	31.08	54.00	22.92	500.0	100.0	H	160.0	-6.6
1941.500000	43.59	---	68.20	24.61	500.0	100.0	V	352.0	-4.7
2471.750000	46.24	---	68.20	21.96	500.0	200.0	H	318.0	-2.5
2806.875000	---	35.05	54.00	18.95	500.0	200.0	H	109.0	-1.4
3239.125000	48.88	---	68.20	19.32	500.0	200.0	H	349.0	0.2
3989.000000	---	37.94	54.00	16.06	500.0	100.0	V	352.0	2.9
4800.125000	---	41.33	54.00	12.67	500.0	100.0	H	204.0	4.4
5234.125000	50.93	---	68.20	17.27	500.0	100.0	H	301.0	5.4
6625.375000	52.15	---	68.20	16.05	500.0	200.0	V	10.0	6.6
7554.625000	---	40.42	54.00	13.58	500.0	100.0	V	290.0	7.4

Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

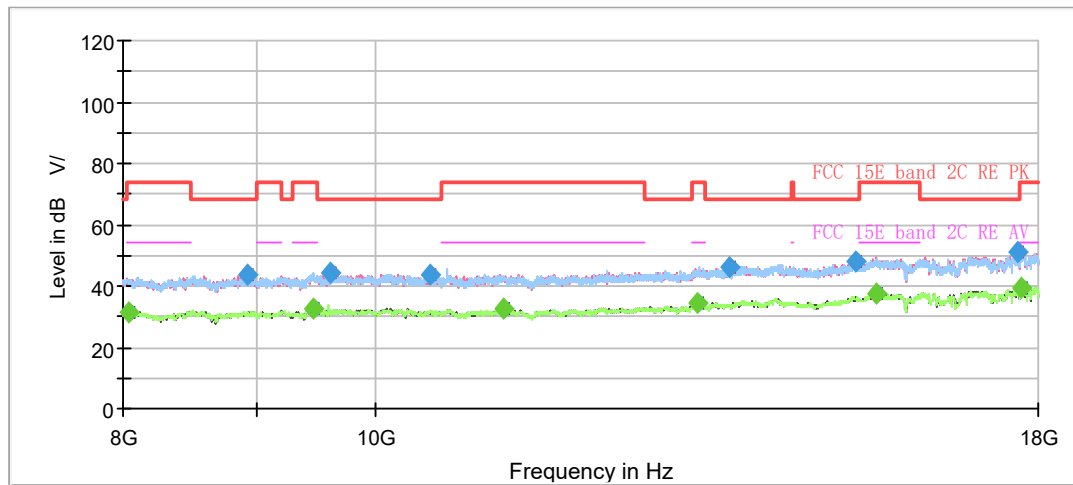
2. Margin = Limit –MAX Peak/ Average

802.11ac (VHT80) CH138



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

Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 8GHz



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

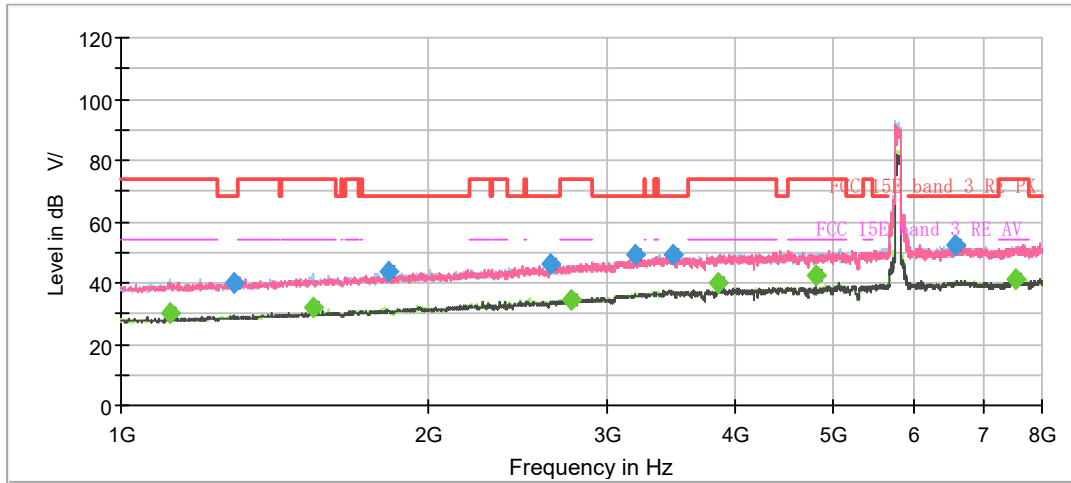
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1118.125000	---	30.85	54.00	23.15	500.0	100.0	H	97.0	-9.2
1290.500000	40.49	---	68.20	27.71	500.0	200.0	V	312.0	-8.1
1535.500000	---	31.70	54.00	22.30	500.0	100.0	H	86.0	-6.6
1837.375000	43.58	---	68.20	24.62	500.0	200.0	H	227.0	-5.1
2394.750000	46.13	---	68.20	22.07	500.0	100.0	H	112.0	-2.9
2781.500000	---	34.76	54.00	19.24	500.0	200.0	H	73.0	-1.5
3315.250000	49.01	---	68.20	19.19	500.0	100.0	V	59.0	0.7
3989.000000	---	38.16	54.00	15.84	500.0	100.0	H	177.0	2.9
4800.125000	---	42.45	54.00	11.55	500.0	100.0	H	177.0	4.4
5243.750000	50.86	---	68.20	17.34	500.0	100.0	V	338.0	5.4
6736.500000	52.03	---	68.20	16.17	500.0	200.0	H	48.0	6.5
7494.250000	---	40.84	54.00	13.16	500.0	200.0	H	218.0	7.2

Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

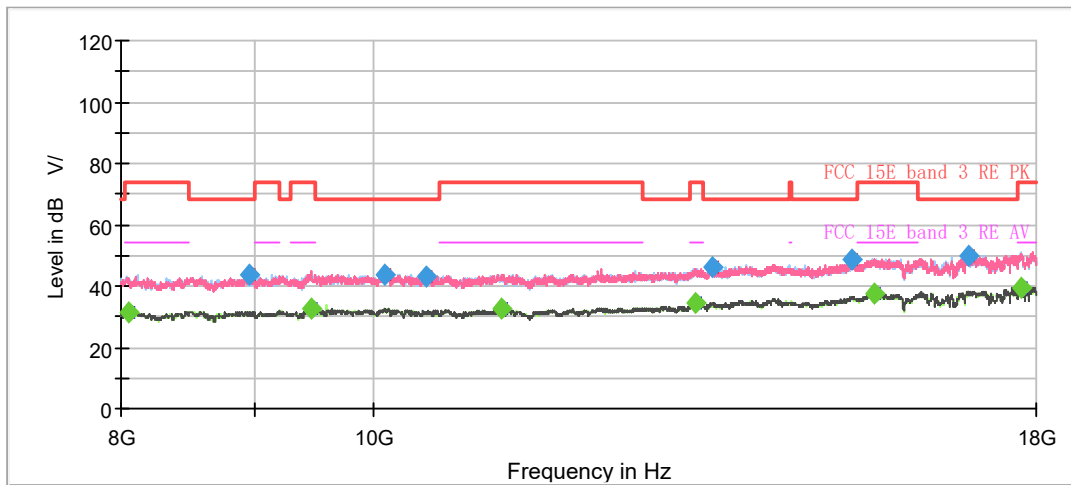
2. Margin = Limit –MAX Peak/ Average

802.11ac (VHT80) CH155



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

Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 8GHz



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

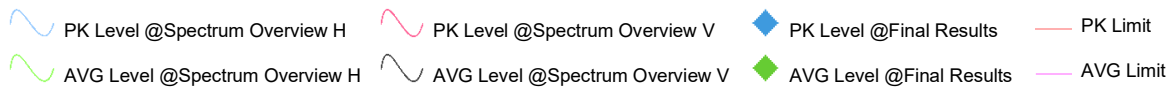
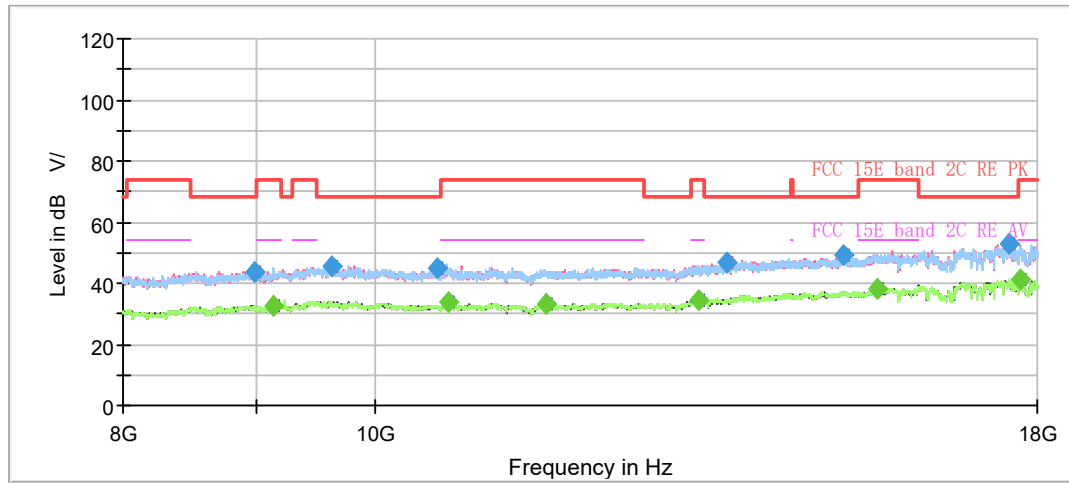
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1117.250000	---	30.31	54.00	23.69	500.0	200.0	H	90.0	-9.2
1288.750000	40.11	---	68.20	28.09	500.0	100.0	V	309.0	-8.1
1540.750000	---	31.79	54.00	22.21	500.0	100.0	H	91.0	-6.6
1833.000000	43.80	---	68.20	24.40	500.0	100.0	H	332.0	-5.1
2639.750000	45.89	---	68.20	22.31	500.0	200.0	H	62.0	-2.0
2766.625000	---	34.57	54.00	19.43	500.0	200.0	H	48.0	-1.5
3191.875000	49.03	---	68.20	19.17	500.0	100.0	H	22.0	0.0
3479.750000	49.45	---	68.20	18.75	500.0	200.0	V	172.0	1.2
3849.875000	---	40.00	54.00	14.00	500.0	200.0	H	138.0	2.4
4800.125000	---	42.33	54.00	11.67	500.0	100.0	H	223.0	4.4
6565.875000	52.18	---	68.20	16.02	500.0	200.0	V	289.0	6.5
7550.250000	---	41.00	54.00	13.00	500.0	200.0	V	1.0	7.4

Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

During the test, the Radiates Emission from 18GHz to 40GHz was performed in all modes with all channels, 802.11ac (VHT80) CH138 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

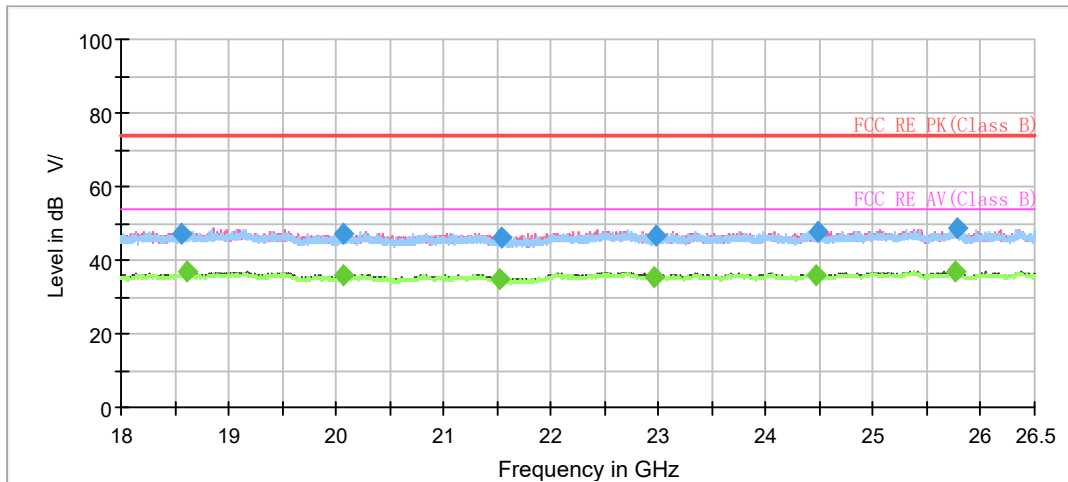


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8993.750000	43.69	---	68.20	24.51	500.0	100.0	V	124.0	-1.3
9136.250000	---	32.43	54.00	21.57	500.0	200.0	H	60.0	-1.2
9635.000000	45.49	---	68.20	22.71	500.0	200.0	H	157.0	-0.6
10568.750000	44.90	---	68.20	23.30	500.0	100.0	V	50.0	-0.9
10680.000000	---	33.72	54.00	20.28	500.0	100.0	H	222.0	-0.8
11647.500000	---	33.31	54.00	20.69	500.0	100.0	V	309.0	-0.3
13332.500000	---	34.21	54.00	19.79	500.0	100.0	H	4.0	2.3
13673.750000	46.57	---	68.20	21.63	500.0	100.0	H	12.0	3.1
15165.000000	49.01	---	68.20	19.19	500.0	200.0	V	133.0	5.3
15625.000000	---	37.97	54.00	16.03	500.0	200.0	H	117.0	6.5
17555.000000	52.67	---	68.20	15.53	500.0	200.0	H	60.0	10.0
17731.250000	---	41.12	54.00	12.88	500.0	100.0	H	151.0	10.3

Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit-MAX Peak/ Average



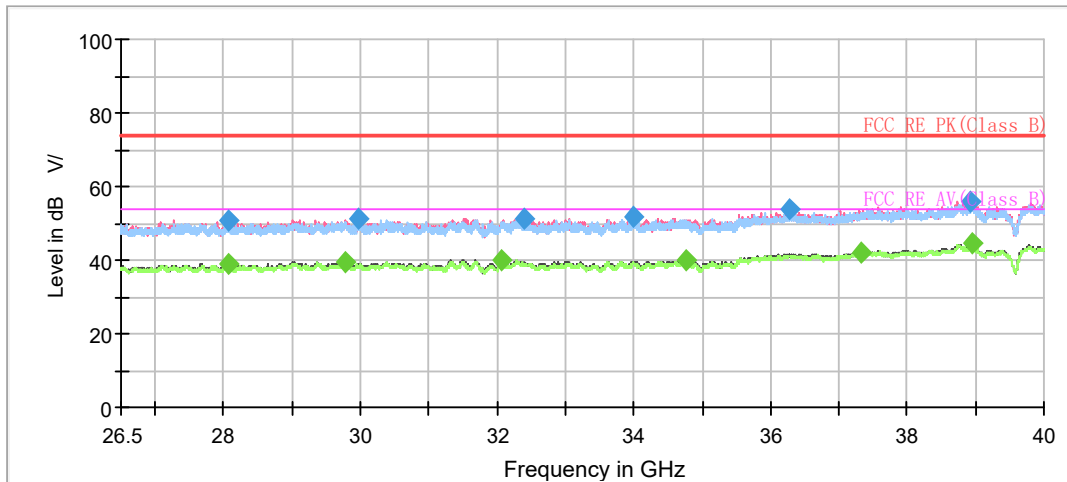
PK Level @Spectrum Overview H PK Level @Spectrum Overview V PK Level @Final Results PK Limit
 AVG Level @Spectrum Overview H AVG Level @Spectrum Overview V AVG Level @Final Results AVG Limit

Radiates Emission from 18GHz to 26.5GHz

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/m)
18562.062500	46.93	---	74.00	27.07	500.0	100.0	V	287.0	-4.6
18616.250000	---	36.71	54.00	17.29	500.0	100.0	V	240.0	-4.6
20061.250000	---	35.65	54.00	18.35	500.0	100.0	V	226.0	-4.5
20068.687500	47.30	---	74.00	26.70	500.0	100.0	V	194.0	-4.5
21519.000000	---	34.82	54.00	19.18	500.0	100.0	V	47.0	-4.2
21540.250000	46.19	---	74.00	27.81	500.0	200.0	H	31.0	-4.1
22967.187500	---	35.56	54.00	18.44	500.0	100.0	V	7.0	-3.0
22975.687500	46.48	---	74.00	27.52	500.0	100.0	V	175.0	-3.0
24468.500000	---	35.89	54.00	18.11	500.0	100.0	V	17.0	-2.3
24489.750000	47.55	---	74.00	26.45	500.0	100.0	H	112.0	-2.3
25760.500000	---	37.08	54.00	16.92	500.0	100.0	V	26.0	-1.3
25783.875000	48.67	---	74.00	25.33	500.0	100.0	V	0.0	-1.3

Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit-MAX Peak/ Average



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

Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
28064.312500	---	39.04	54.00	14.96	500.0	200.0	V	87.0	0.5
28064.312500	50.67	---	74.00	23.33	500.0	100.0	V	148.0	0.5
29768.687500	---	39.66	54.00	14.34	500.0	100.0	V	240.0	0.8
29969.500000	51.03	---	74.00	22.97	500.0	100.0	V	339.0	0.6
32068.750000	---	39.92	54.00	14.08	500.0	100.0	V	263.0	-0.4
32406.250000	51.23	---	74.00	22.77	500.0	200.0	V	14.0	0.0
34004.312500	52.00	---	74.00	22.00	500.0	100.0	V	134.0	0.2
34762.000000	---	39.85	54.00	14.15	500.0	100.0	V	49.0	2.0
36285.812500	53.89	---	74.00	20.11	500.0	200.0	H	316.0	4.5
37323.625000	---	42.06	54.00	11.94	500.0	100.0	V	180.0	4.9
38933.500000	55.72	---	74.00	18.28	500.0	100.0	V	278.0	5.3
38947.000000	---	44.58	54.00	9.42	500.0	100.0	V	235.0	5.2

Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit-MAX Peak/ Average

5.2. Conducted Emission

Ambient condition

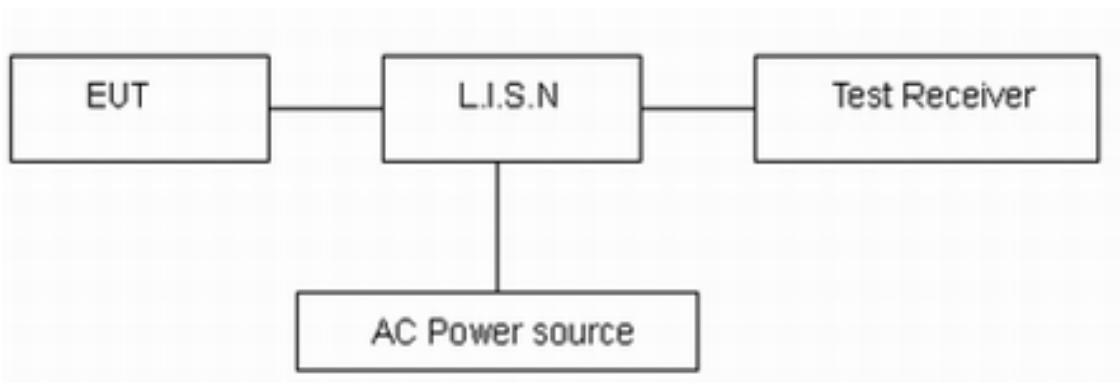
Temperature	Relative humidity	Pressure
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

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 LISN Use EMI receiver to detect the average and Quasi-peak value. RBW is set to 9kHz, 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 110V/60Hz.

Limits

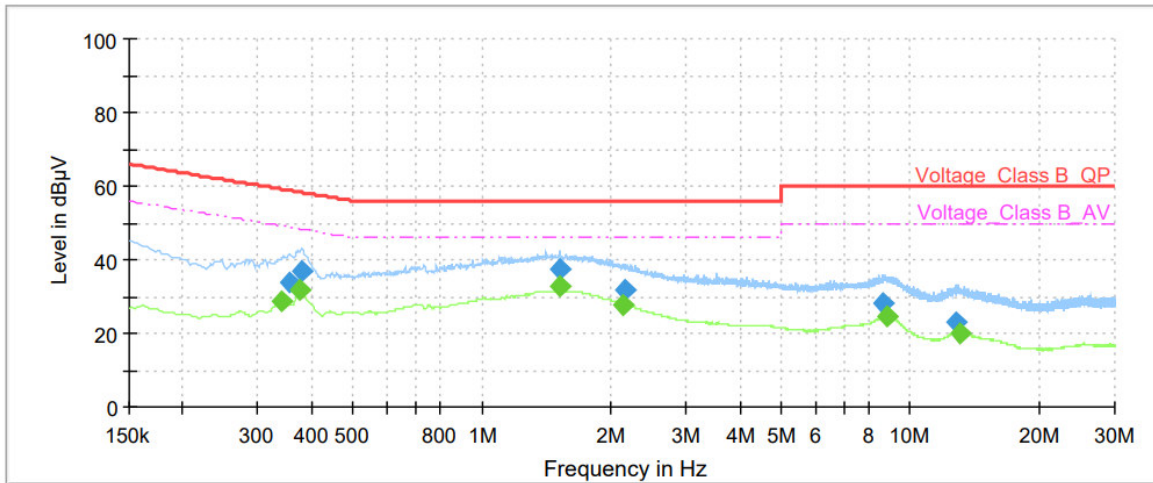
Frequency (MHz)	Conducted Limits(dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56 *	56 to 46*
0.5 - 5	56	46
5 - 30	60	50
*: Decreases with the logarithm of the frequency.		

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:

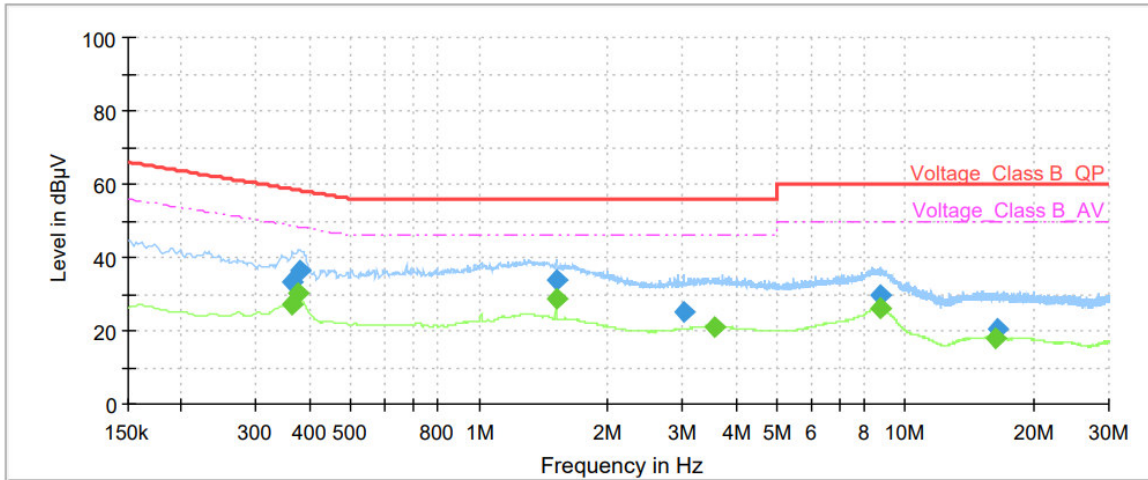
Following plots, Blue trace uses the peak detection and Green trace uses the average detection. During the test, the Conducted Emission was performed in all modes with all channels, 802.11ac (VHT80) CH138 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.



Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.34	---	28.54	49.23	20.69	1000.0	9.000	L1	ON	21.0
0.35	33.95	---	58.85	24.90	1000.0	9.000	L1	ON	21.0
0.38	---	32.00	48.34	16.34	1000.0	9.000	L1	ON	21.0
0.38	36.87	---	58.29	21.42	1000.0	9.000	L1	ON	21.0
1.52	---	32.63	46.00	13.37	1000.0	9.000	L1	ON	19.9
1.52	37.27	---	56.00	18.73	1000.0	9.000	L1	ON	19.9
2.12	---	27.85	46.00	18.15	1000.0	9.000	L1	ON	19.7
2.15	31.99	---	56.00	24.01	1000.0	9.000	L1	ON	19.7
8.60	28.04	---	60.00	31.96	1000.0	9.000	L1	ON	19.5
8.79	---	24.50	50.00	25.50	1000.0	9.000	L1	ON	19.5
12.77	23.29	---	60.00	36.71	1000.0	9.000	L1	ON	19.6
13.10	---	20.14	50.00	29.86	1000.0	9.000	L1	ON	19.6

Remark: Correct factor=cable loss + LISN factor

L line Conducted Emission from 150 KHz to 30 MHz



Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.36	---	27.38	48.69	21.31	1000.0	9.000	N	ON	21.0
0.36	33.44	---	58.69	25.25	1000.0	9.000	N	ON	21.0
0.38	---	30.13	48.34	18.21	1000.0	9.000	N	ON	21.0
0.38	36.45	---	58.29	21.84	1000.0	9.000	N	ON	21.0
1.52	---	28.51	46.00	17.49	1000.0	9.000	N	ON	19.9
1.52	34.04	---	56.00	21.96	1000.0	9.000	N	ON	19.9
3.02	25.09	---	56.00	30.91	1000.0	9.000	N	ON	19.6
3.56	---	21.27	46.00	24.73	1000.0	9.000	N	ON	19.5
8.70	29.88	---	60.00	30.12	1000.0	9.000	N	ON	19.5
8.71	---	26.11	50.00	23.89	1000.0	9.000	N	ON	19.5
16.24	---	18.12	50.00	31.88	1000.0	9.000	N	ON	19.7
16.50	20.57	---	60.00	39.43	1000.0	9.000	N	ON	19.7

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
Unwanted Emissions					
Signal Analyzer	R&S	FSV40	101186	2024-05-07	2025-05-06
EMI Test Receiver	R&S	ESR	102720	2024-05-07	2025-05-06
EMI Test Receiver	R&S	ESR	102721	2024-05-07	2025-05-06
Loop Antenna	SCHWARZBECK	FMZB1519	1519-047	2023-04-16	2026-04-15
Horn Antenna	SCHWARZBECK	BBHA 9120D	430	2021-07-26	2024-07-25
Horn Antenna	ETS-Lindgren	3160-09	00102643	2021-10-10	2024-10-09
Horn Antenna	STEATITE	QSH-SL-26 -40-K-15	16779	2023-01-17	2026-01-16
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9163	01614	2023-09-13	2026-09-12
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9163	01615	2023-10-19	2026-10-18
Software	R&S	EMC32	9.26.01	/	/
Software	R&S	ELEKTRA	5.00.2	/	/
Conducted Emissions					
Artificial main network	R&S	ENV216	102191	2022-12-10	2024-12-09
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 *****