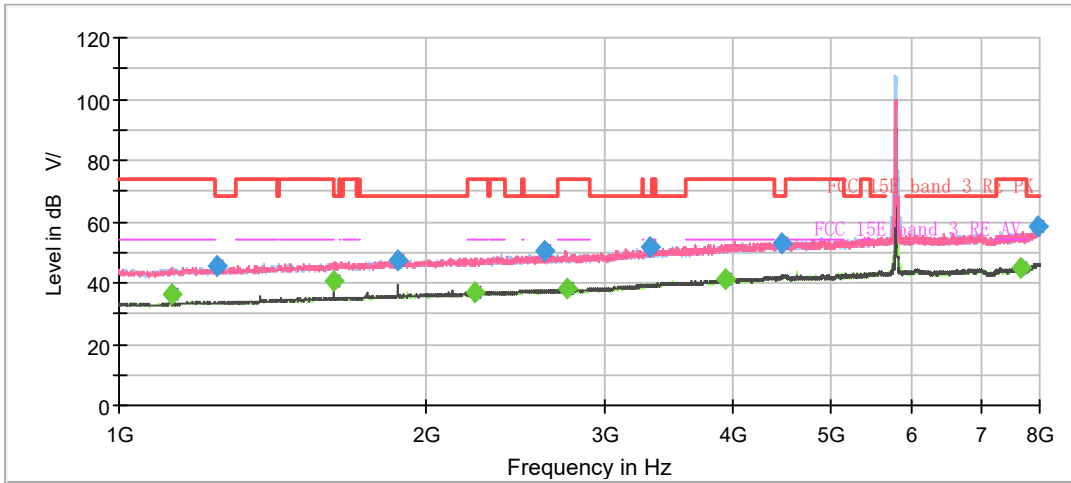
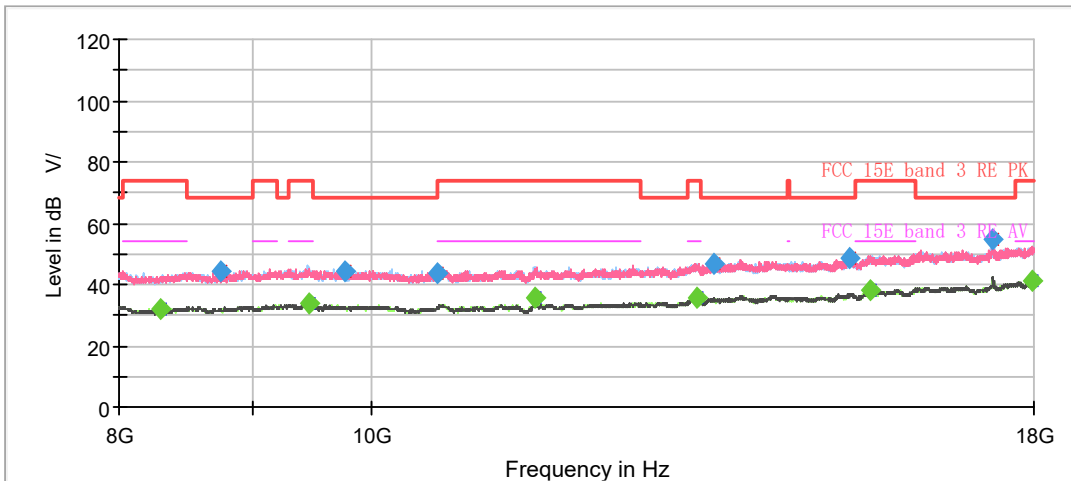


802.11ax HE20 CH157



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



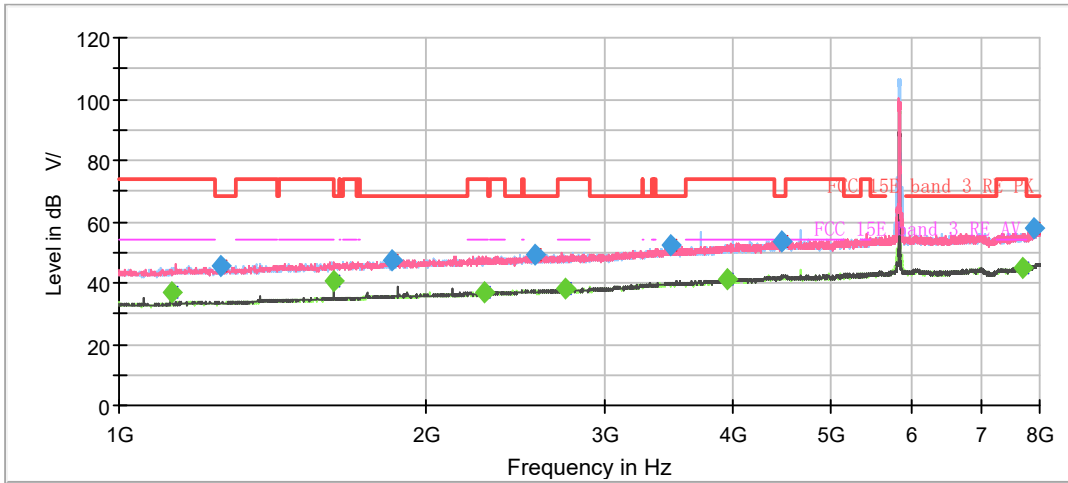
Radiates Emission from 8GHz to 18GHz

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)
1125.125000	---	36.10	54.00	17.90	500.0	200.0	V	284.0	2.4
1245.875000	45.73	---	68.20	22.47	500.0	200.0	V	22.0	3.1
1624.750000	---	40.34	54.00	13.66	500.0	200.0	V	115.0	5.0
1874.125000	47.26	---	68.20	20.94	500.0	200.0	V	122.0	6.1
2236.375000	---	36.64	54.00	17.36	500.0	100.0	H	88.0	7.4
2616.125000	50.63	---	68.20	17.57	500.0	200.0	V	184.0	8.5
2748.250000	---	37.91	54.00	16.09	500.0	200.0	V	0.0	8.8
3323.125000	51.87	---	68.20	16.33	500.0	200.0	V	115.0	10.5
3927.750000	---	41.32	54.00	12.68	500.0	100.0	H	68.0	12.0
4461.500000	53.13	---	68.20	15.07	500.0	200.0	H	328.0	13.2
7668.375000	---	45.09	54.00	8.91	500.0	200.0	H	347.0	18.7
7978.125000	58.27	---	68.20	9.93	500.0	200.0	H	252.0	19.8

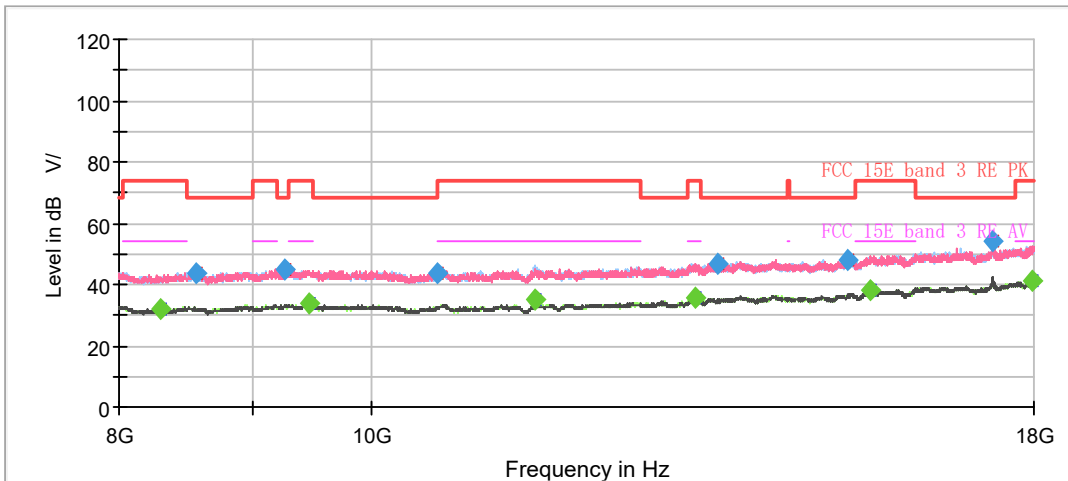
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11ax HE20 CH165



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



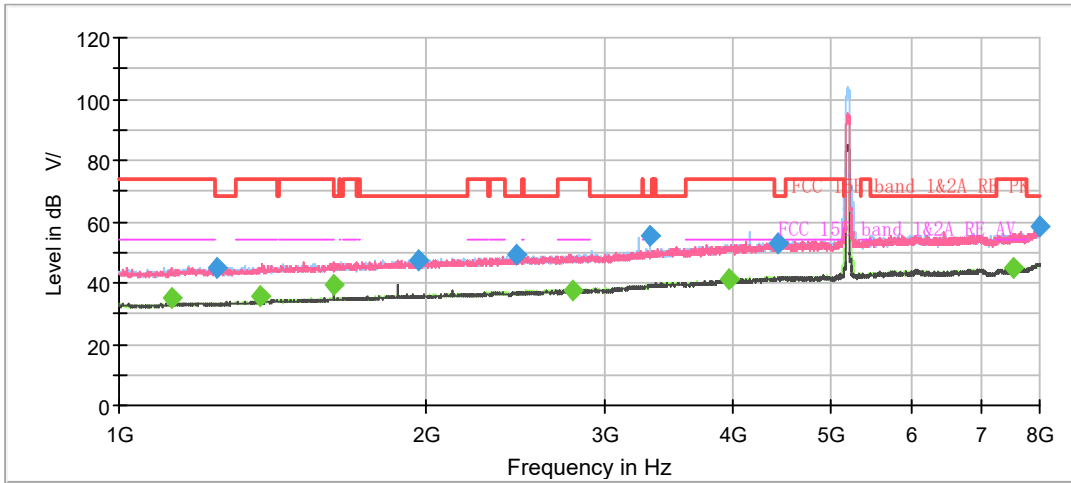
Radiates Emission from 8GHz to 18GHz

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)
1124.250000	---	36.63	54.00	17.37	500.0	100.0	V	174.0	2.4
1256.375000	45.65	---	68.20	22.55	500.0	200.0	V	97.0	3.1
1624.750000	---	40.45	54.00	13.55	500.0	200.0	V	117.0	5.0
1849.625000	47.69	---	68.20	20.51	500.0	200.0	H	88.0	5.9
2277.500000	---	36.65	54.00	17.35	500.0	100.0	H	220.0	7.5
2556.625000	49.06	---	68.20	19.14	500.0	200.0	H	284.0	8.4
2736.000000	---	38.14	54.00	15.86	500.0	100.0	V	287.0	8.8
3482.375000	52.16	---	68.20	16.04	500.0	100.0	H	21.0	11.0
3950.500000	---	41.24	54.00	12.76	500.0	100.0	V	0.0	12.1
4472.875000	53.53	---	68.20	14.67	500.0	200.0	H	0.0	13.3
7708.625000	---	45.02	54.00	8.98	500.0	200.0	V	162.0	18.9
7894.125000	57.71	---	68.20	10.49	500.0	200.0	V	104.0	19.5

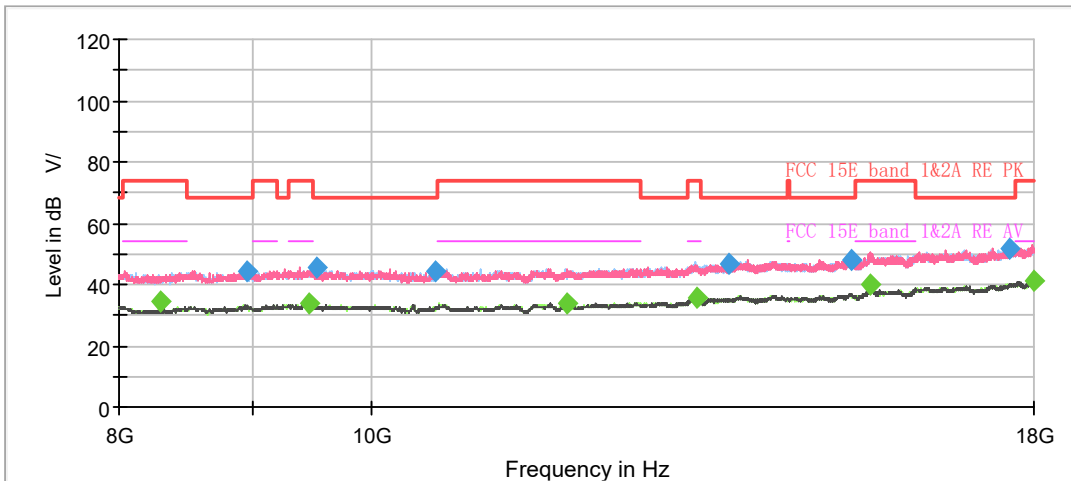
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11ax HE40 CH38



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



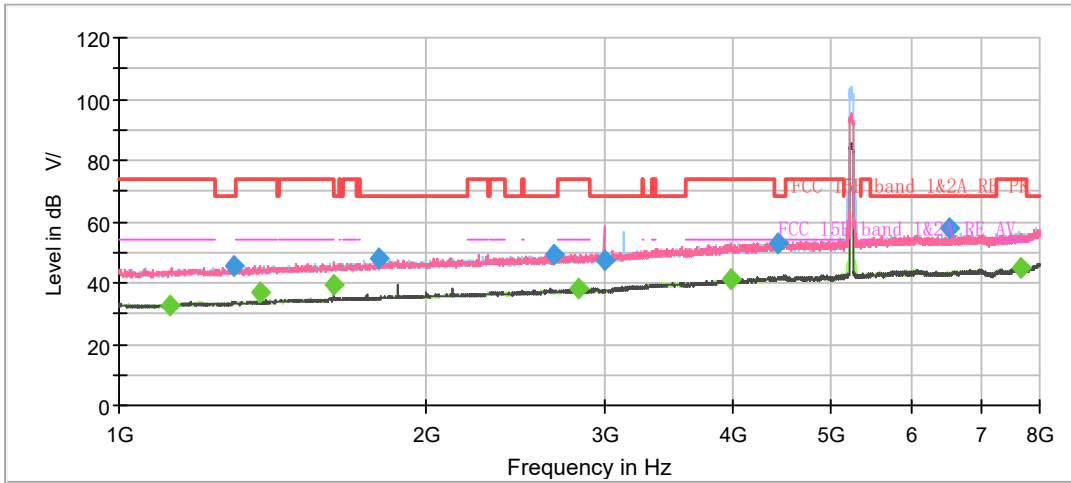
Radiates Emission from 8GHz to 18GHz

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)
1125.125000	---	35.18	54.00	18.82	500.0	200.0	H	156.0	2.4
1248.500000	45.05	---	68.20	23.15	500.0	100.0	V	242.0	3.1
1374.500000	---	35.87	54.00	18.13	500.0	200.0	H	55.0	3.8
1624.750000	---	39.36	54.00	14.64	500.0	200.0	V	193.0	5.0
1966.000000	47.65	---	68.20	20.55	500.0	100.0	H	187.0	6.4
2449.875000	49.41	---	68.20	18.79	500.0	100.0	H	222.0	8.1
2782.375000	---	37.76	54.00	16.24	500.0	100.0	V	242.0	8.9
3313.500000	55.59	---	68.20	12.61	500.0	100.0	H	293.0	10.5
3971.500000	---	41.09	54.00	12.91	500.0	100.0	V	242.0	12.1
4424.750000	52.80	---	68.20	15.40	500.0	100.0	H	317.0	13.1
7538.875000	---	44.81	54.00	9.19	500.0	100.0	H	341.0	18.1
7989.500000	58.39	---	68.20	9.81	500.0	200.0	V	180.0	19.9

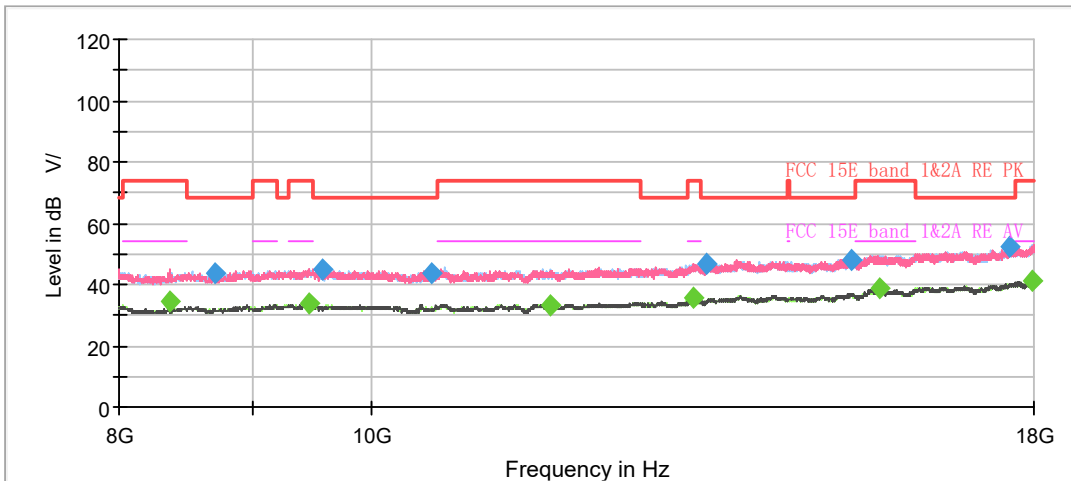
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11ax HE40 CH46



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



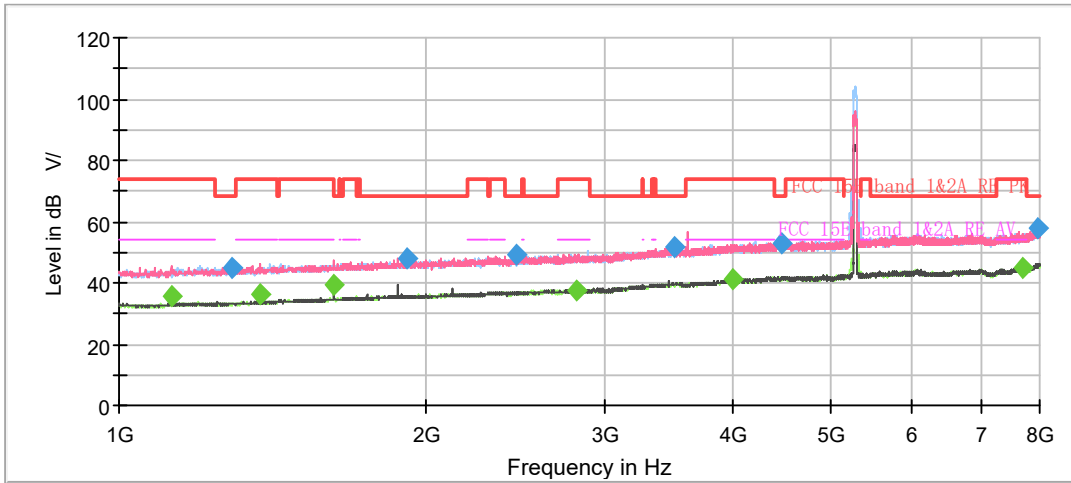
Radiates Emission from 8GHz to 18GHz

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)
1122.500000	---	32.85	54.00	21.15	500.0	200.0	H	27.0	2.4
1298.375000	45.40	---	68.20	22.80	500.0	100.0	H	186.0	3.4
1374.500000	---	36.70	54.00	17.30	500.0	200.0	V	218.0	3.8
1624.750000	---	39.08	54.00	14.92	500.0	200.0	V	202.0	5.0
1798.000000	48.22	---	68.20	19.98	500.0	100.0	V	28.0	5.7
2671.250000	49.17	---	68.20	19.03	500.0	200.0	H	27.0	8.6
2823.500000	---	38.02	54.00	15.98	500.0	100.0	V	300.0	9.0
2992.375000	47.63	---	68.20	20.57	500.0	100.0	H	106.0	9.5
3980.250000	---	41.21	54.00	12.79	500.0	100.0	H	246.0	12.1
4434.375000	53.12	---	68.20	15.08	500.0	100.0	H	354.0	13.1
6516.875000	57.97	---	68.20	10.23	500.0	200.0	H	3.0	15.6
7655.250000	---	44.74	54.00	9.26	500.0	100.0	V	119.0	18.6

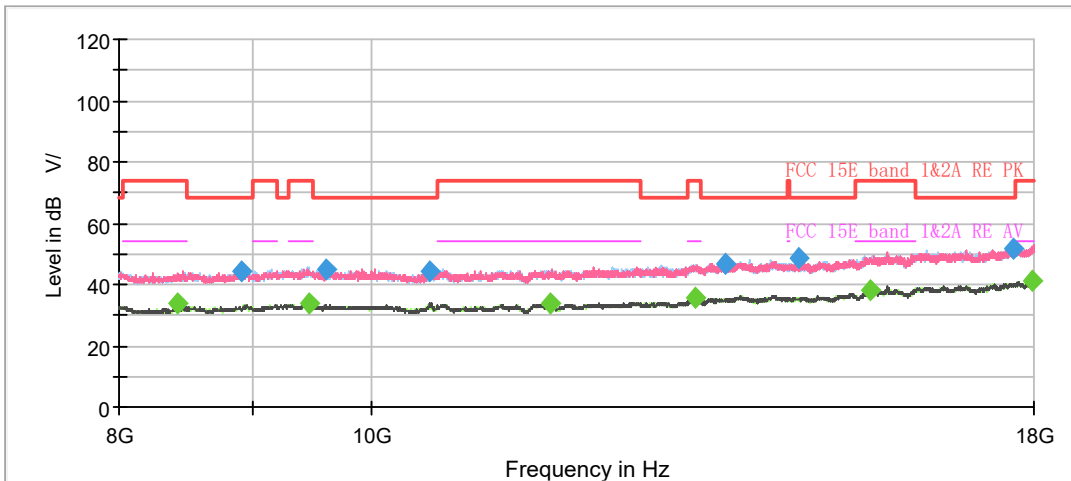
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11ax HE40 CH54



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



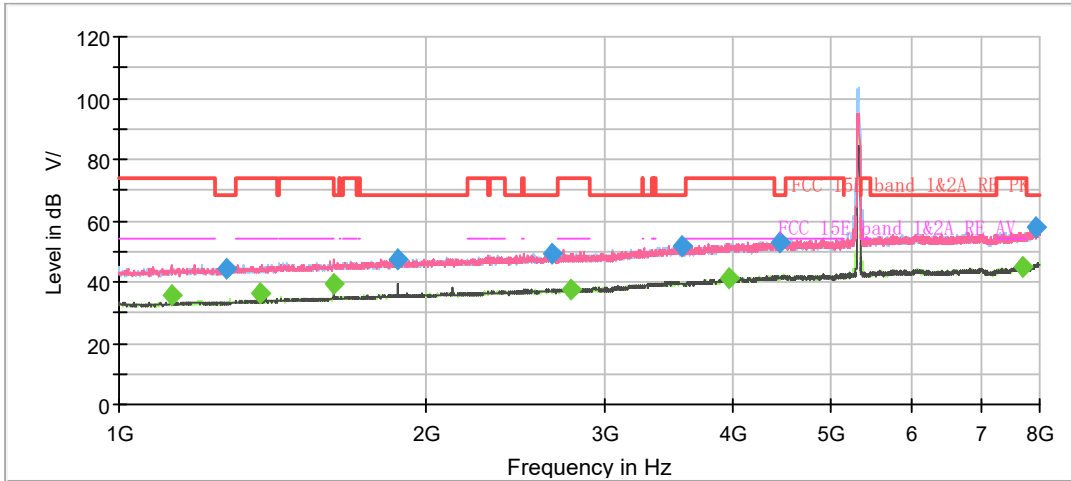
Radiates Emission from 8GHz to 18GHz

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)
1124.250000	---	35.84	54.00	18.16	500.0	200.0	H	152.0	2.4
1288.750000	44.88	---	68.20	23.32	500.0	200.0	V	299.0	3.3
1374.500000	---	36.05	54.00	17.95	500.0	200.0	V	214.0	3.8
1624.750000	---	39.15	54.00	14.85	500.0	200.0	V	97.0	5.0
1917.875000	47.76	---	68.20	20.44	500.0	100.0	V	185.0	6.2
2449.000000	49.00	---	68.20	19.20	500.0	100.0	V	112.0	8.1
2810.375000	---	37.78	54.00	16.23	500.0	200.0	V	275.0	9.0
3509.500000	51.76	---	68.20	16.44	500.0	100.0	V	192.0	11.1
3994.250000	---	41.07	54.00	12.93	500.0	200.0	V	323.0	12.2
4471.125000	52.71	---	68.20	15.49	500.0	100.0	H	331.0	13.3
7685.000000	---	44.63	54.00	9.37	500.0	200.0	V	0.0	18.8
7965.875000	57.70	---	68.20	10.50	500.0	100.0	V	222.0	19.8

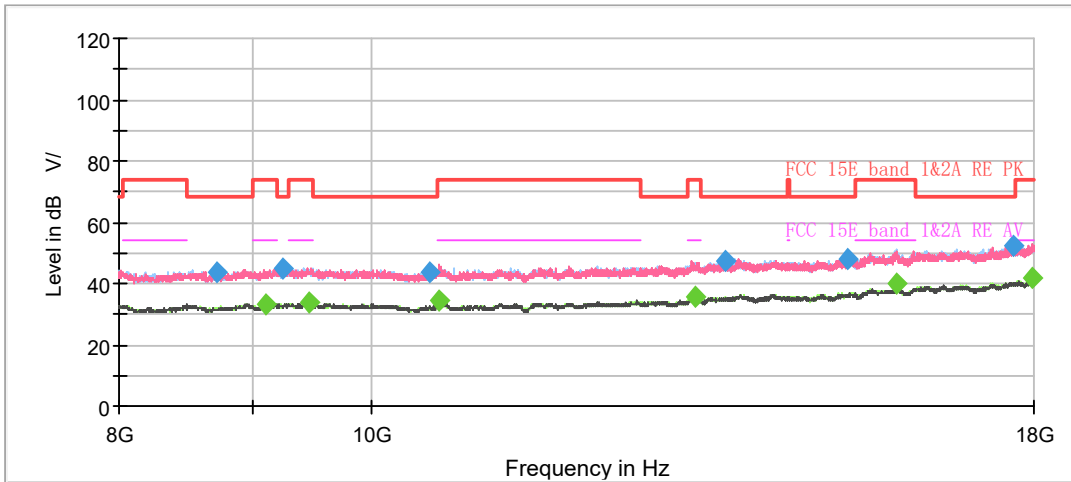
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11ax HE40 CH62



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



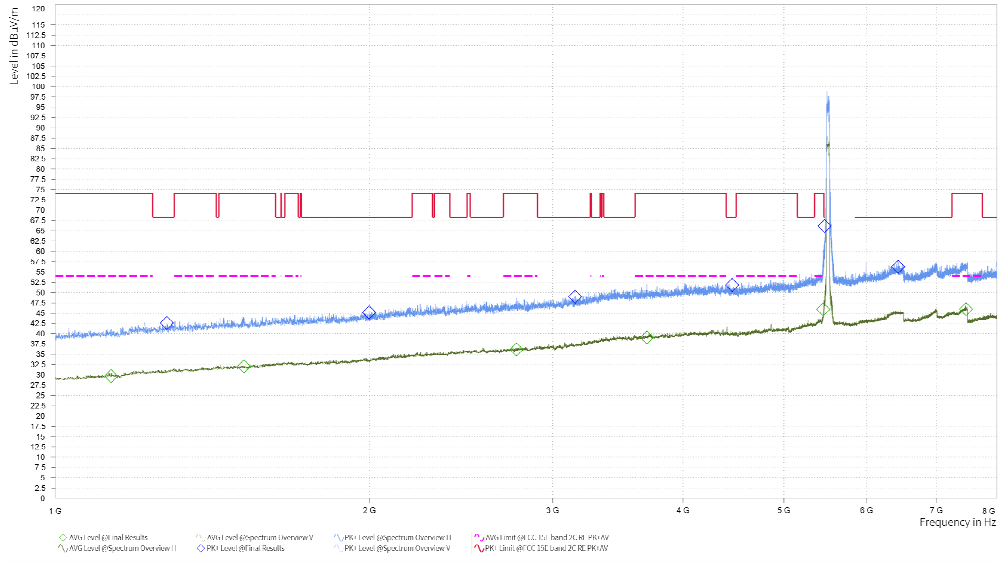
Radiates Emission from 8GHz to 18GHz

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)
1124.250000	---	35.94	54.00	18.06	500.0	200.0	H	148.0	2.4
1272.125000	44.01	---	68.20	24.19	500.0	200.0	V	285.0	3.2
1374.500000	---	36.21	54.00	17.79	500.0	200.0	V	235.0	3.8
1624.750000	---	39.09	54.00	14.91	500.0	100.0	V	17.0	5.0
1875.000000	47.59	---	68.20	20.61	500.0	200.0	V	176.0	6.1
2653.750000	49.37	---	68.20	18.83	500.0	200.0	V	147.0	8.6
2780.625000	---	37.81	54.00	16.19	500.0	200.0	H	53.0	8.9
3565.500000	51.93	---	68.20	16.27	500.0	100.0	H	348.0	11.1
3973.250000	---	41.00	54.00	13.00	500.0	100.0	V	0.0	12.1
4445.750000	53.09	---	68.20	15.11	500.0	100.0	V	57.0	13.1
7691.125000	---	44.65	54.00	9.35	500.0	100.0	H	57.0	18.8
7922.125000	57.74	---	68.20	10.46	500.0	200.0	H	195.0	19.6

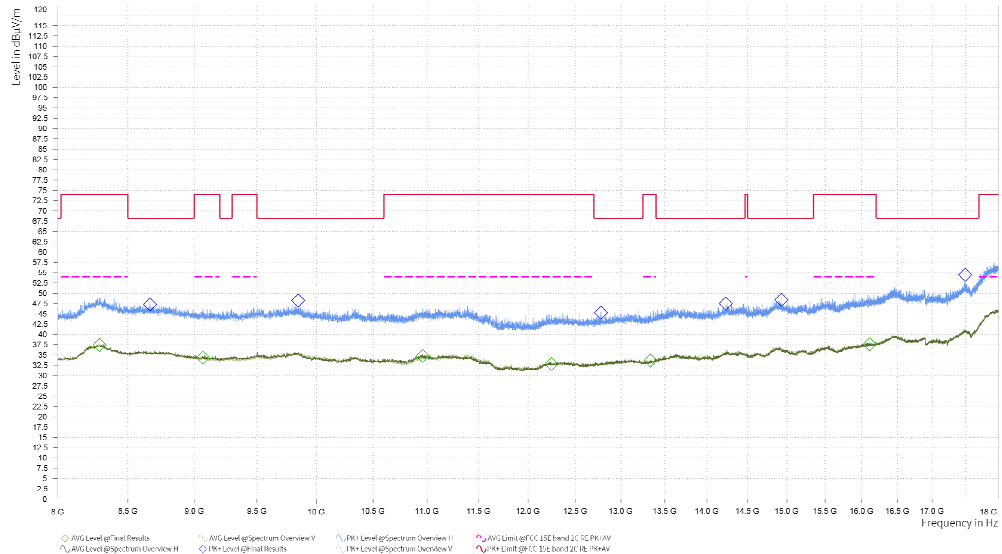
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11ax HE40 CH102



Radiates Emission from 1GHz to 8GHz



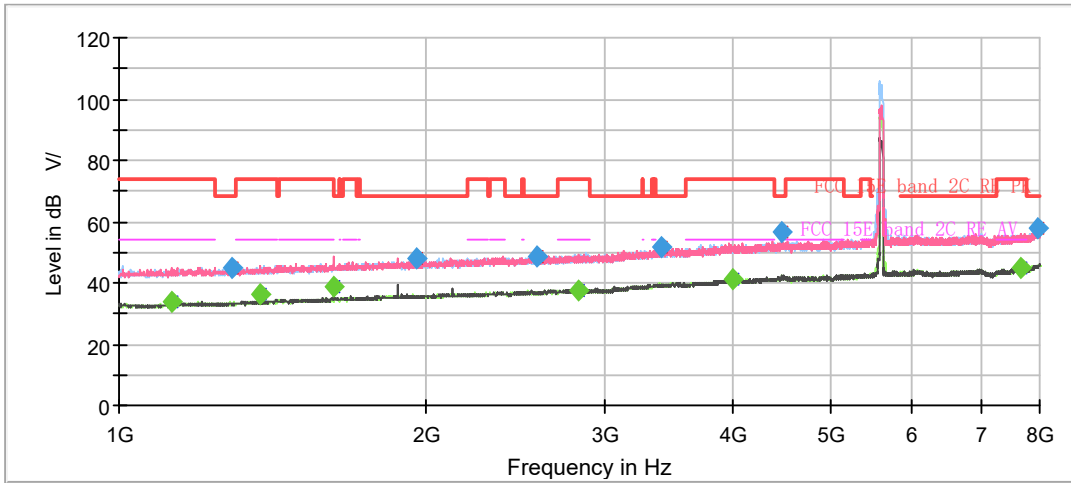
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	MaxPeak Limit (dB μ V/m)	MaxPeak Margin (dB)	Average (dB μ V/m)	Average Limit (dB μ V/m)	Average Margin (dB)	Meas. Time (s)	Pol	Azimuth (deg)	Height (m)	Corr. (dB/m)
1,130.375	---	---	---	29.69	54.00	24.31	1.000	H	2.8	2.00	-5.69
1,279.125	42.58	68.20	25.62	---	---	---	1.000	V	55.4	1.00	-4.13
1,516.250	---	---	---	32.02	54.00	21.98	1.000	H	117.8	2.00	-2.31
1,999.250	45.11	68.20	23.09	---	---	---	1.000	V	264.6	1.00	0.48
2,768.375	---	---	---	36.11	54.00	17.89	1.000	H	52	1.00	3.53
3,151.625	48.97	68.20	19.23	---	---	---	1.000	H	97	2.00	4.66
3,693.250	---	---	---	39.08	54.00	14.92	1.000	H	360	2.00	6.73
4,458.875	51.80	68.20	16.40	---	---	---	1.000	H	334.4	2.00	8.16
5,452.875	---	---	---	45.89	54.00	8.11	1.000	H	180.8	2.00	10.96
5,469.500	66.11	68.20	2.09	---	---	---	1.000	H	187.9	2.00	10.77
6,434.625	56.20	68.20	12.00	---	---	---	1.000	H	360	2.00	13.06
7,475.000	---	---	---	45.95	54.00	8.05	1.000	V	111	1.00	13.22

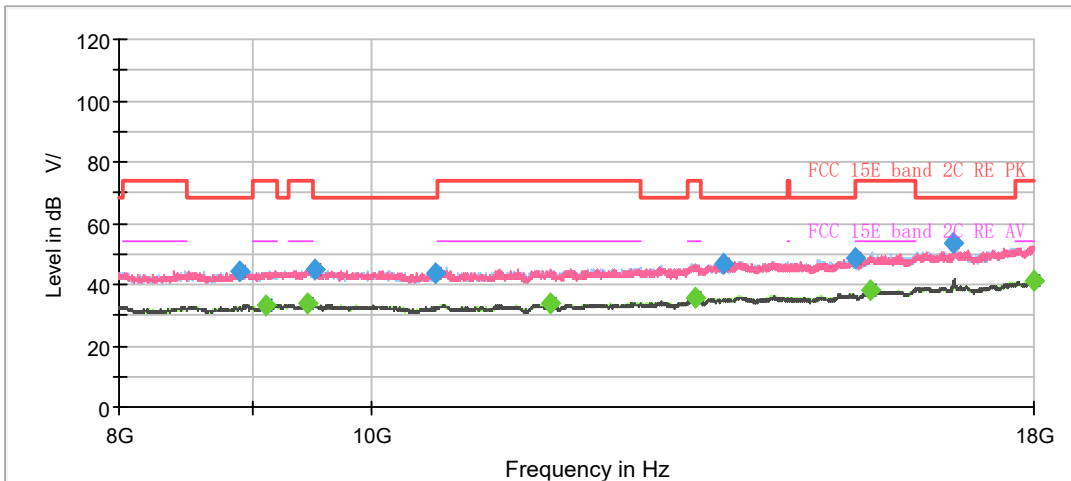
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11ax HE40 CH118



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



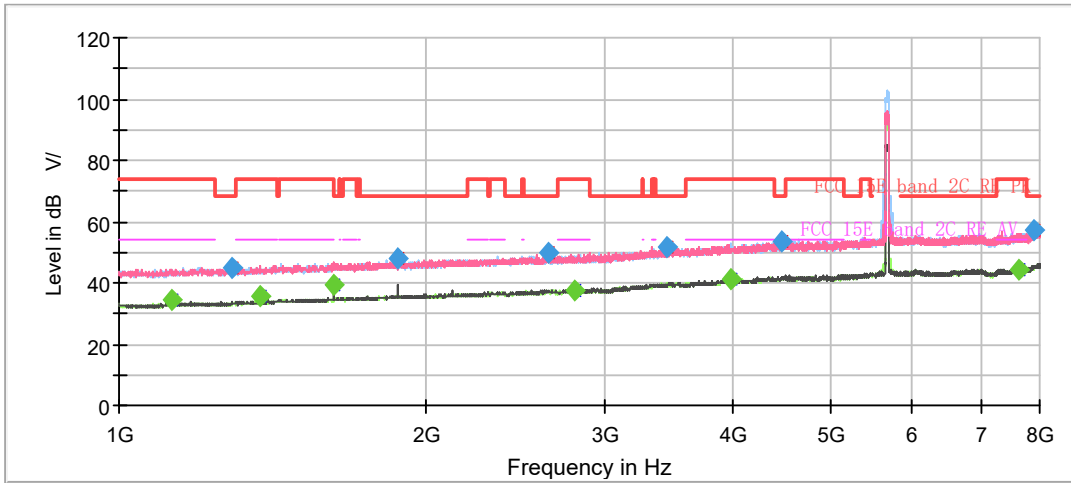
Radiates Emission from 8GHz to 18GHz

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)
1125.125000	---	33.98	54.00	20.02	500.0	200.0	V	225.0	2.4
1289.625000	45.09	---	68.20	23.11	500.0	100.0	V	164.0	3.3
1374.500000	---	36.01	54.00	17.99	500.0	200.0	V	355.0	3.8
1624.750000	---	38.95	54.00	15.05	500.0	200.0	V	201.0	5.0
1961.625000	48.03	---	68.20	20.17	500.0	100.0	V	218.0	6.3
2569.750000	48.82	---	68.20	19.38	500.0	100.0	H	67.0	8.4
2827.000000	---	37.82	54.00	16.18	500.0	200.0	V	254.0	9.1
3401.000000	51.82	---	68.20	16.38	500.0	200.0	V	190.0	10.8
3999.500000	---	40.99	54.00	13.01	500.0	100.0	H	105.0	12.2
4472.000000	56.75	---	68.20	11.45	500.0	100.0	H	298.0	13.3
7676.250000	---	44.69	54.00	9.31	500.0	200.0	V	325.0	18.7
7960.625000	57.58	---	68.20	10.62	500.0	100.0	H	23.0	19.7

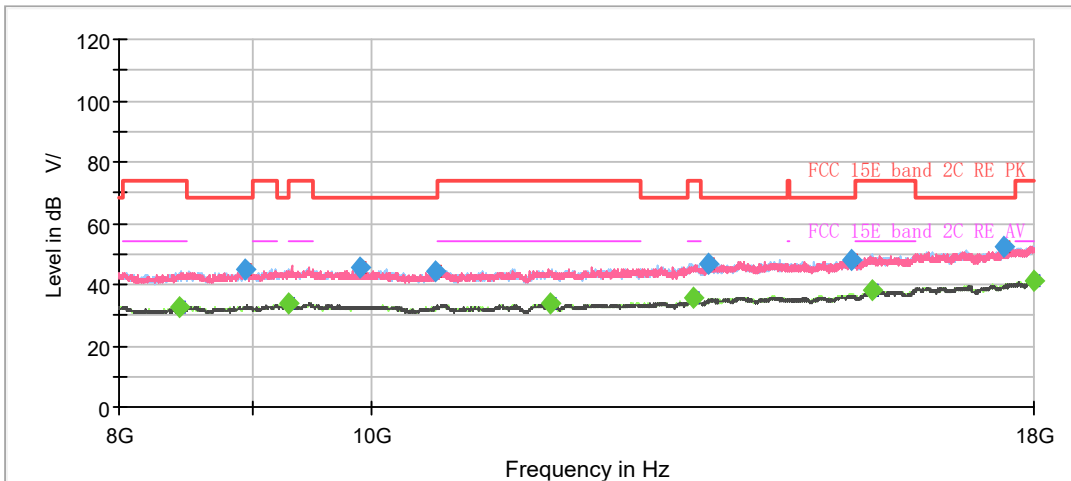
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11ax HE40 CH134



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



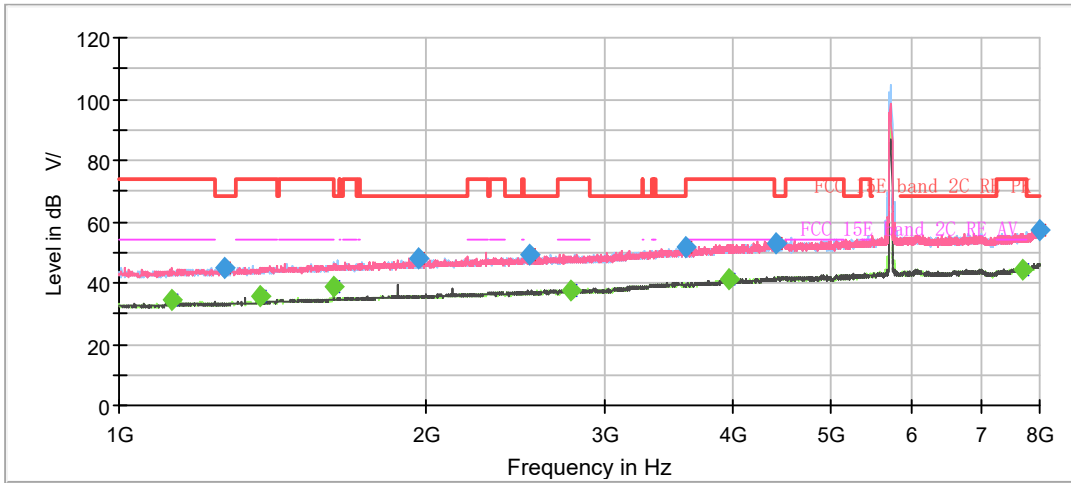
Radiates Emission from 8GHz to 18GHz

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)
1124.250000	---	34.74	54.00	19.26	500.0	200.0	V	72.0	2.4
1291.375000	45.22	---	68.20	22.98	500.0	100.0	V	1.0	3.3
1374.500000	---	35.89	54.00	18.11	500.0	200.0	V	29.0	3.8
1624.750000	---	39.26	54.00	14.74	500.0	200.0	V	182.0	5.0
1874.125000	48.23	---	68.20	19.97	500.0	200.0	V	22.0	6.1
2637.125000	49.76	---	68.20	18.44	500.0	200.0	H	297.0	8.6
2792.875000	---	37.77	54.00	16.23	500.0	200.0	H	111.0	9.0
3450.875000	51.57	---	68.20	16.63	500.0	200.0	V	146.0	10.9
3976.750000	---	40.93	54.00	13.07	500.0	100.0	V	195.0	12.1
4470.250000	53.45	---	68.20	14.75	500.0	200.0	H	198.0	13.3
7636.000000	---	44.58	54.00	9.42	500.0	100.0	H	21.0	18.5
7914.250000	57.51	---	68.20	10.69	500.0	200.0	V	308.0	19.5

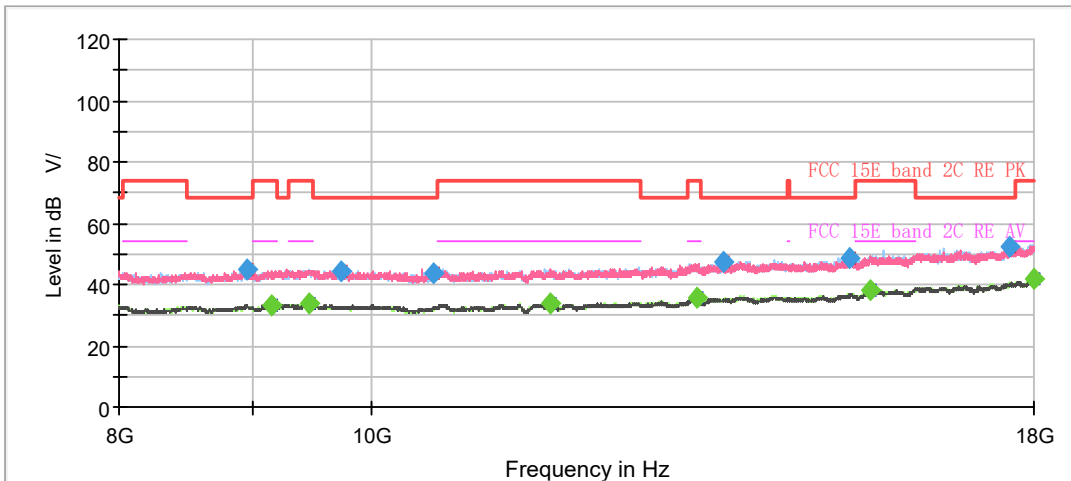
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11ax HE40 CH142



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



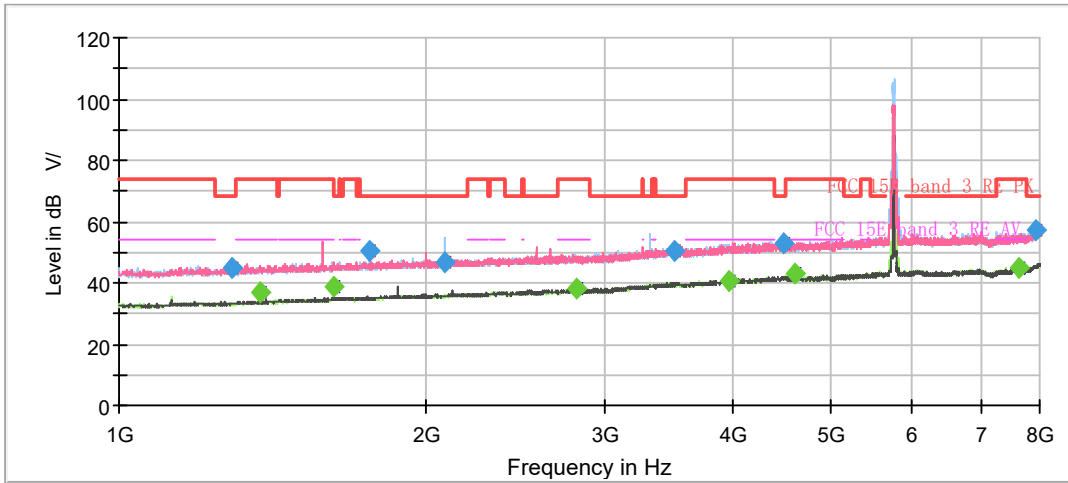
Radiates Emission from 8GHz to 18GHz

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)
1125.125000	---	34.37	54.00	19.63	500.0	200.0	H	155.0	2.4
1268.625000	44.89	---	68.20	23.31	500.0	100.0	H	339.0	3.2
1374.500000	---	35.99	54.00	18.01	500.0	200.0	V	154.0	3.8
1624.750000	---	38.98	54.00	15.02	500.0	200.0	V	183.0	5.0
1966.000000	47.78	---	68.20	20.42	500.0	200.0	H	35.0	6.4
2523.375000	49.20	---	68.20	19.00	500.0	200.0	V	124.0	8.3
2772.750000	---	37.69	54.00	16.31	500.0	200.0	H	235.0	8.9
3597.000000	51.40	---	68.20	16.80	500.0	100.0	H	190.0	11.1
3973.250000	---	41.00	54.00	13.01	500.0	100.0	H	62.0	12.1
4417.750000	52.96	---	68.20	15.24	500.0	100.0	H	178.0	13.0
7706.000000	---	44.56	54.00	9.44	500.0	200.0	V	148.0	18.9
8000.000000	56.94	---	68.20	11.26	500.0	200.0	H	296.0	19.9

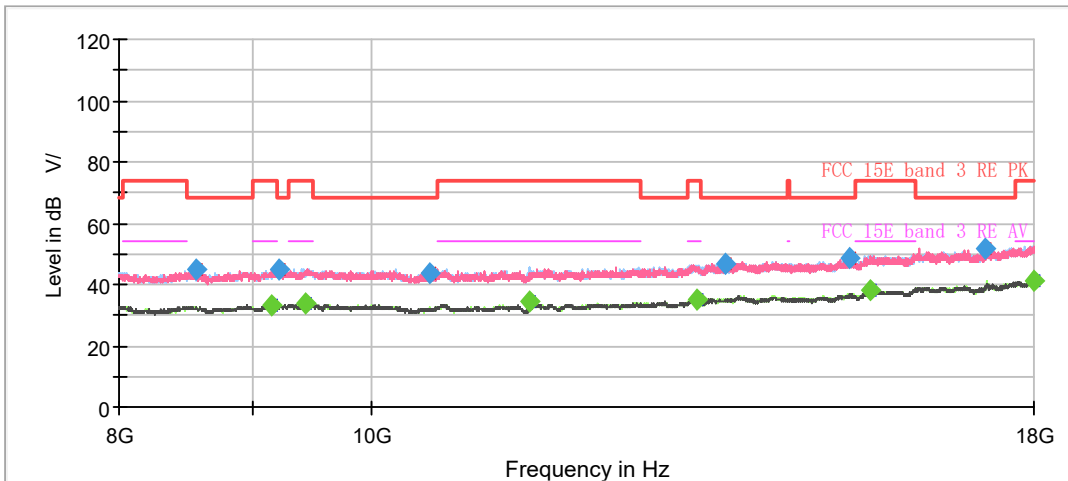
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11ax HE40 CH151



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



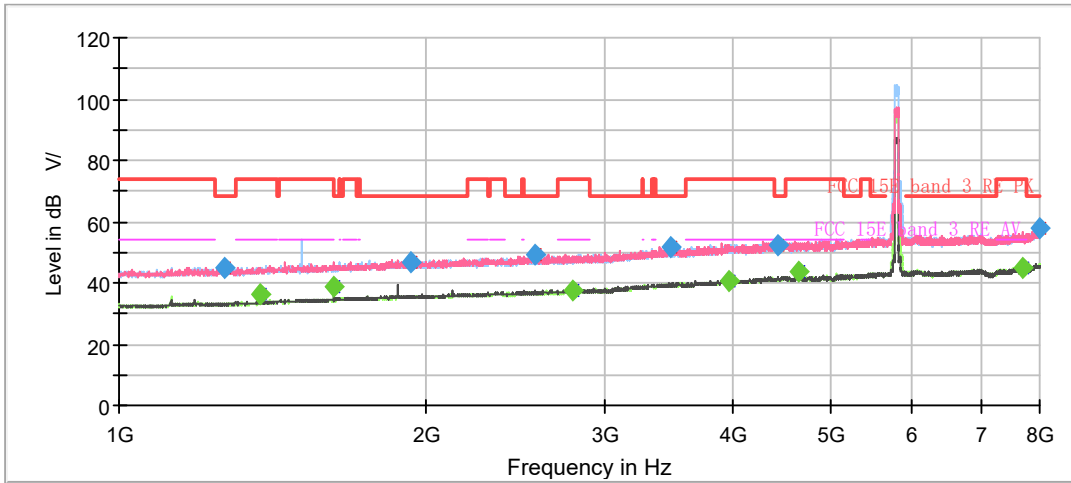
Radiates Emission from 8GHz to 18GHz

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)
1292.250000	44.86	---	68.20	23.34	500.0	100.0	H	216.0	3.3
1374.500000	---	36.64	54.00	17.36	500.0	200.0	V	212.0	3.8
1624.750000	---	38.83	54.00	15.17	500.0	200.0	V	33.0	5.0
1763.000000	50.40	---	68.20	17.80	500.0	200.0	H	244.0	5.6
2085.875000	46.69	---	68.20	21.51	500.0	100.0	H	303.0	6.8
2813.000000	---	38.03	54.00	15.97	500.0	100.0	V	161.0	9.0
3501.625000	50.58	---	68.20	17.62	500.0	200.0	H	288.0	11.1
3974.125000	---	40.90	54.00	13.10	500.0	100.0	H	54.0	12.1
4479.000000	52.84	---	68.20	15.36	500.0	100.0	H	0.0	13.3
4604.125000	---	43.23	54.00	10.77	500.0	100.0	H	100.0	13.2
7627.250000	---	44.83	54.00	9.17	500.0	200.0	H	213.0	18.5
7947.500000	57.17	---	68.20	11.03	500.0	200.0	H	262.0	19.7

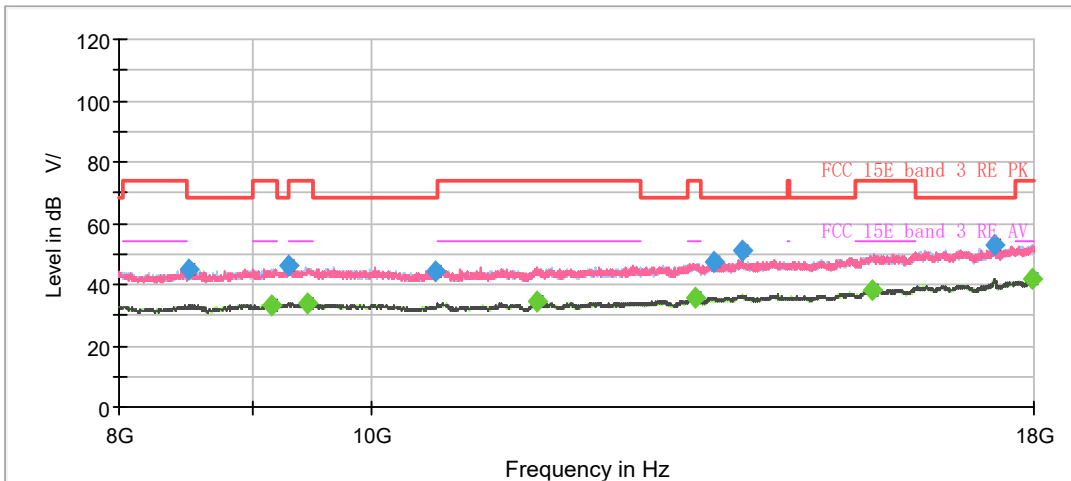
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11ax HE40 CH159



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



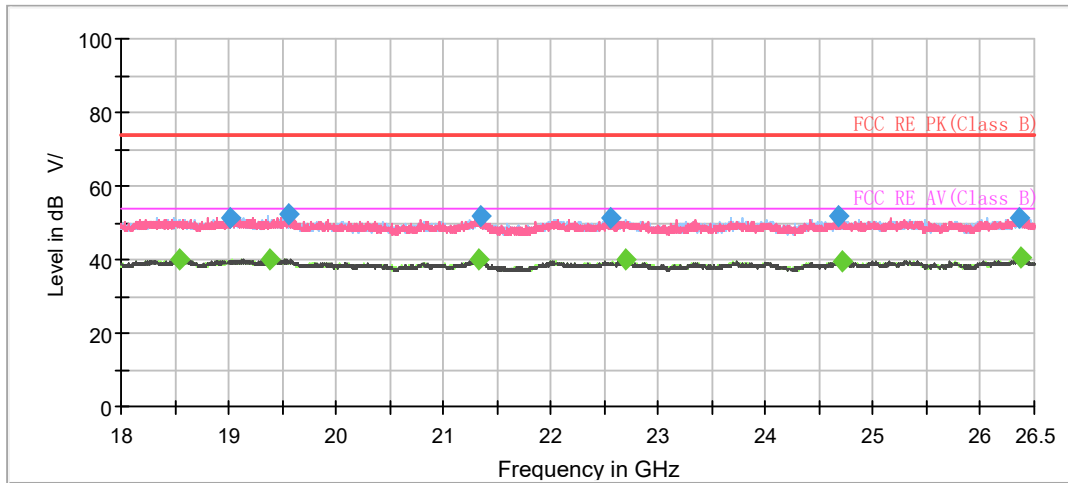
Radiates Emission from 8GHz to 18GHz

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)
1271.250000	45.14	---	68.20	23.06	500.0	100.0	V	234.0	3.2
1374.500000	---	36.60	54.00	17.40	500.0	200.0	V	192.0	3.8
1624.750000	---	38.68	54.00	15.32	500.0	200.0	V	192.0	5.0
1936.250000	46.78	---	68.20	21.42	500.0	200.0	V	23.0	6.2
2561.875000	49.45	---	68.20	18.75	500.0	200.0	H	308.0	8.4
2788.500000	---	37.66	54.00	16.34	500.0	100.0	V	129.0	8.9
3469.250000	51.65	---	68.20	16.55	500.0	200.0	V	44.0	10.9
3968.000000	---	40.91	54.00	13.09	500.0	200.0	V	23.0	12.1
4438.750000	52.53	---	68.20	15.67	500.0	200.0	H	89.0	13.1
4635.625000	---	43.44	54.00	10.56	500.0	100.0	H	46.0	13.3
7702.500000	---	44.81	54.00	9.19	500.0	200.0	H	338.0	18.8
7994.750000	57.71	---	68.20	10.49	500.0	100.0	H	77.0	19.9

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

2. Margin = Limit –MAX Peak/ Average

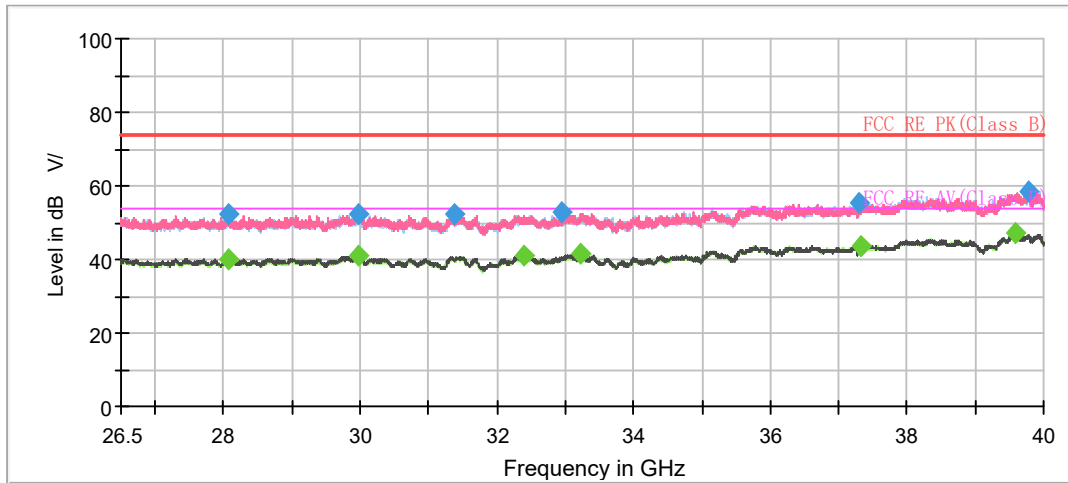
During the test, the Radiates Emission from 18GHz to 40GHz was performed in all modes with all channels, 802.11ax HE20, Channel 100 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.



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)
18546.125000	---	40.05	54.00	13.95	500.0	200.0	H	0.0	-3.0
19016.812500	51.30	---	74.00	22.70	500.0	200.0	V	225.0	-3.0
19392.937500	---	40.10	54.00	13.90	500.0	200.0	V	219.0	-2.8
19565.062500	52.11	---	74.00	21.90	500.0	200.0	V	219.0	-2.9
21326.687500	---	39.94	54.00	14.06	500.0	200.0	V	282.0	-1.8
21345.812500	52.00	---	74.00	22.00	500.0	200.0	V	289.0	-1.9
22556.000000	51.23	---	74.00	22.77	500.0	100.0	H	332.0	-1.8
22699.437500	---	39.86	54.00	14.14	500.0	200.0	H	110.0	-1.7
24673.562500	51.73	---	74.00	22.27	500.0	200.0	H	281.0	-0.6
24704.375000	---	39.56	54.00	14.44	500.0	200.0	H	27.0	-0.6
26355.500000	51.53	---	74.00	22.47	500.0	200.0	H	45.0	0.4
26376.750000	---	40.34	54.00	13.66	500.0	200.0	H	197.0	0.3

Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)
 2. Margin = Limit-MAX Peak/ Average



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB/m)
28071.062500	---	40.23	54.00	13.77	500.0	100.0	H	284.0	0.6
28076.125000	52.27	---	74.00	21.73	500.0	100.0	V	45.0	0.6
29964.437500	52.32	---	74.00	21.68	500.0	100.0	H	303.0	1.4
29979.625000	---	41.14	54.00	12.86	500.0	100.0	V	304.0	1.4
31368.437500	52.23	---	74.00	21.77	500.0	100.0	V	285.0	-0.1
32401.187500	---	41.02	54.00	12.98	500.0	100.0	V	317.0	0.0
32941.187500	52.79	---	74.00	21.21	500.0	100.0	V	1.0	0.3
33233.125000	---	41.52	54.00	12.48	500.0	100.0	V	64.0	1.3
37296.625000	55.21	---	74.00	18.79	500.0	100.0	V	136.0	5.5
37340.500000	---	43.59	54.00	10.41	500.0	100.0	V	1.0	5.5
39589.937500	---	47.16	54.00	6.84	500.0	100.0	V	342.0	7.4
39778.937500	58.45	---	74.00	15.55	500.0	100.0	V	0.0	6.8

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

2. Margin = Limit-MAX Peak/ Average

5.6. Conducted Emission

Ambient condition

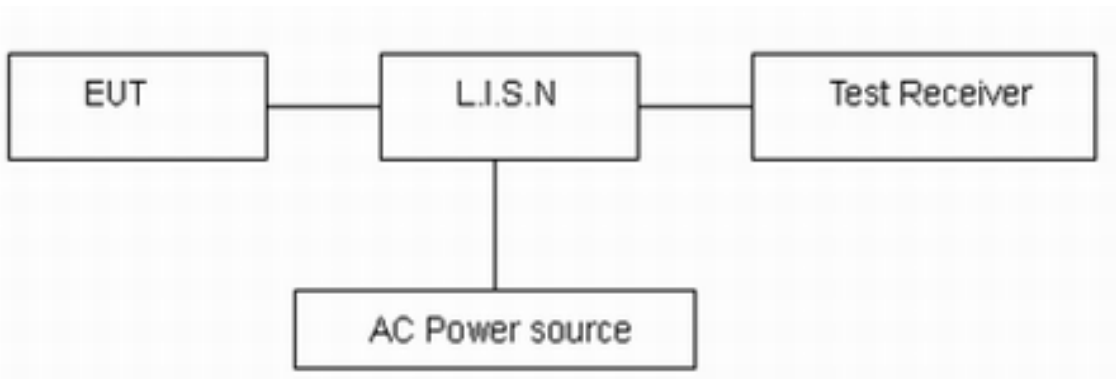
Temperature	Relative humidity	Pressure
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

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(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

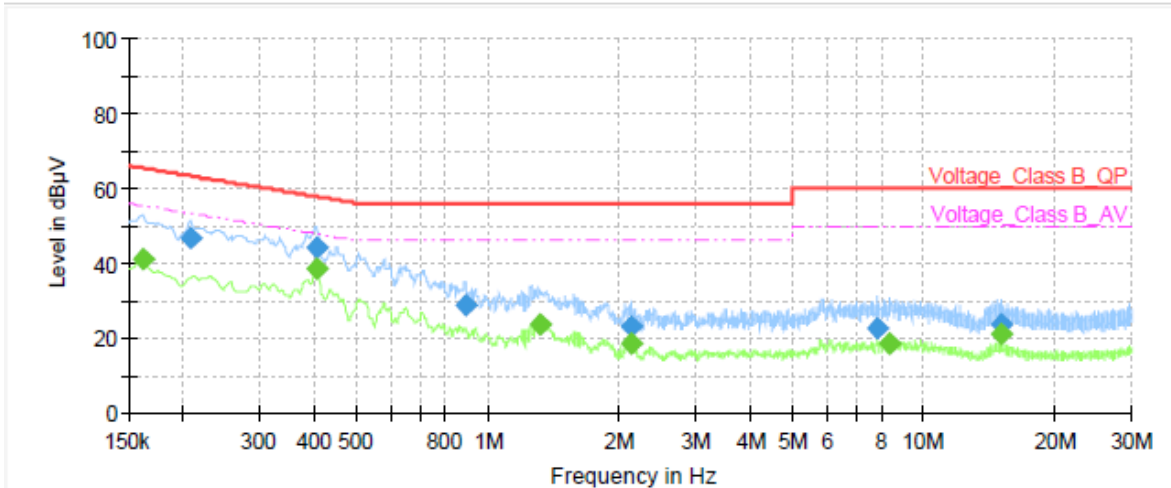
*: Decreases with the logarithm of the frequency.

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:

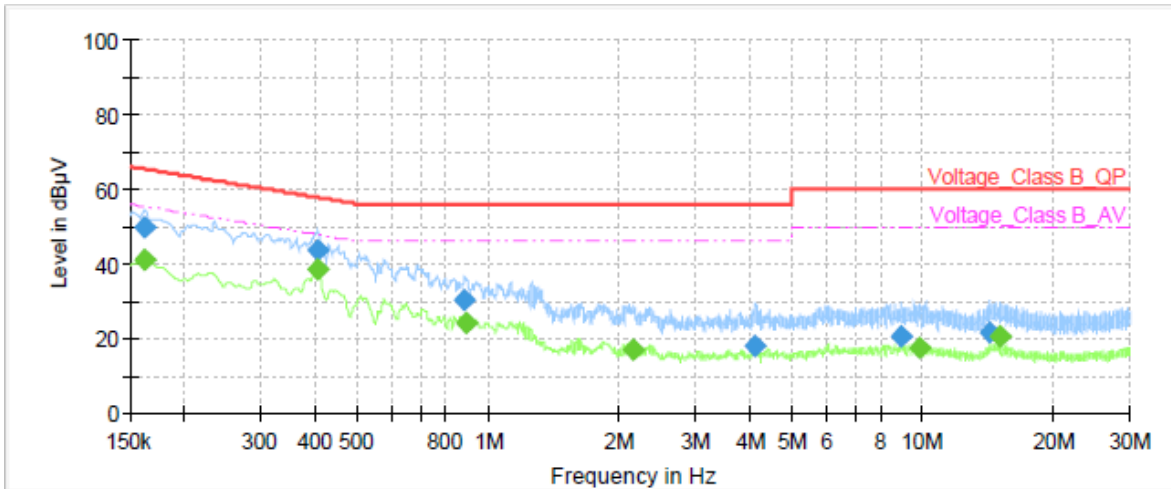
Following plots, Blue trace uses the peak detection and Green trace uses the average detection. During the test, the Conducted Emission was performed in all modes with all channels, 802.11ax HE20, Channel 100 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.



Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.16	---	40.81	55.40	14.59	1000.0	9.000	L1	ON	21.0
0.21	46.74	---	63.27	16.53	1000.0	9.000	L1	ON	21.1
0.40	---	38.46	47.77	9.31	1000.0	9.000	L1	ON	21.0
0.40	44.26	---	57.77	13.51	1000.0	9.000	L1	ON	21.0
0.89	28.70	---	56.00	27.30	1000.0	9.000	L1	ON	20.3
1.31	---	23.42	46.00	22.58	1000.0	9.000	L1	ON	20.0
2.12	---	18.39	46.00	27.61	1000.0	9.000	L1	ON	19.7
2.13	23.01	---	56.00	32.99	1000.0	9.000	L1	ON	19.7
7.84	22.46	---	60.00	37.54	1000.0	9.000	L1	ON	19.5
8.38	---	18.63	50.00	31.37	1000.0	9.000	L1	ON	19.5
15.00	---	21.06	50.00	28.94	1000.0	9.000	L1	ON	19.6
15.00	23.48	---	60.00	36.52	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)
0.16	---	40.91	55.40	14.49	1000.0	9.000	N	ON	21.0
0.16	49.89	---	65.40	15.51	1000.0	9.000	N	ON	21.0
0.40	---	38.63	47.77	9.14	1000.0	9.000	N	ON	21.0
0.41	43.80	---	57.72	13.92	1000.0	9.000	N	ON	21.0
0.88	30.26	---	56.00	25.74	1000.0	9.000	N	ON	20.3
0.89	---	24.09	46.00	21.91	1000.0	9.000	N	ON	20.3
2.16	---	16.78	46.00	29.22	1000.0	9.000	N	ON	19.7
4.13	18.01	---	56.00	37.99	1000.0	9.000	N	ON	19.5
8.96	20.30	---	60.00	39.70	1000.0	9.000	N	ON	19.5
9.85	---	17.31	50.00	32.69	1000.0	9.000	N	ON	19.6
14.32	21.50	---	60.00	38.50	1000.0	9.000	N	ON	19.6
15.00	---	20.26	50.00	29.74	1000.0	9.000	N	ON	19.6

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 KHz to 30 MHz

6. Main Test Instruments

Name of Equipment	Manufacturer	Type/Model	Serial Number	Calibration Date	Expiration Time
Power sensor	R&S	NRP18S	101954	2023-05-12	2024-05-11
				2024-05-07	2025-05-06
Spectrum Analyzer	KEYSIGHT	N9020A	MY51330870	2023-05-12	2024-05-11
				2024-05-07	2025-05-06
DC Power Supply	UNI-T	UTP1306S+	2205D0517426	2022-12-10	2023-12-09
				2023-12-05	2024-12-04
Climate Chamber	ESPEC	SU-242	93000506	2022-12-10	2023-12-09
				2023-12-05	2024-12-04
Radiated Emission					
EMI Test Receiver	R&S	ESCI3	100948	2023-05-12	2024-05-11
				2024-05-07	2025-05-06
Signal Analyzer	R&S	FSV40	101186	2023-05-12	2024-05-11
				2024-05-07	2025-05-06
Signal Analyzer	R&S	FSV40	101298	2023-05-12	2024-05-11
				2024-05-07	2025-05-06
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9163	01111	2022-10-25	2025-10-24
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
Amplifier	MicroWave	KLNA-18040050	220826001	2023-05-12	2024-05-11
				2024-05-08	2025-05-07
Software	R&S	EMC32	9.26.01	/	/
Conducted Emission					
Artificial main network	R&S	ENV216	102191	2022-12-10	2024-12-09
EMI Test Receiver	R&S	ESR	101667	2023-05-12	2024-05-11
				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 *****