

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

Measurement Uncertainty

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

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

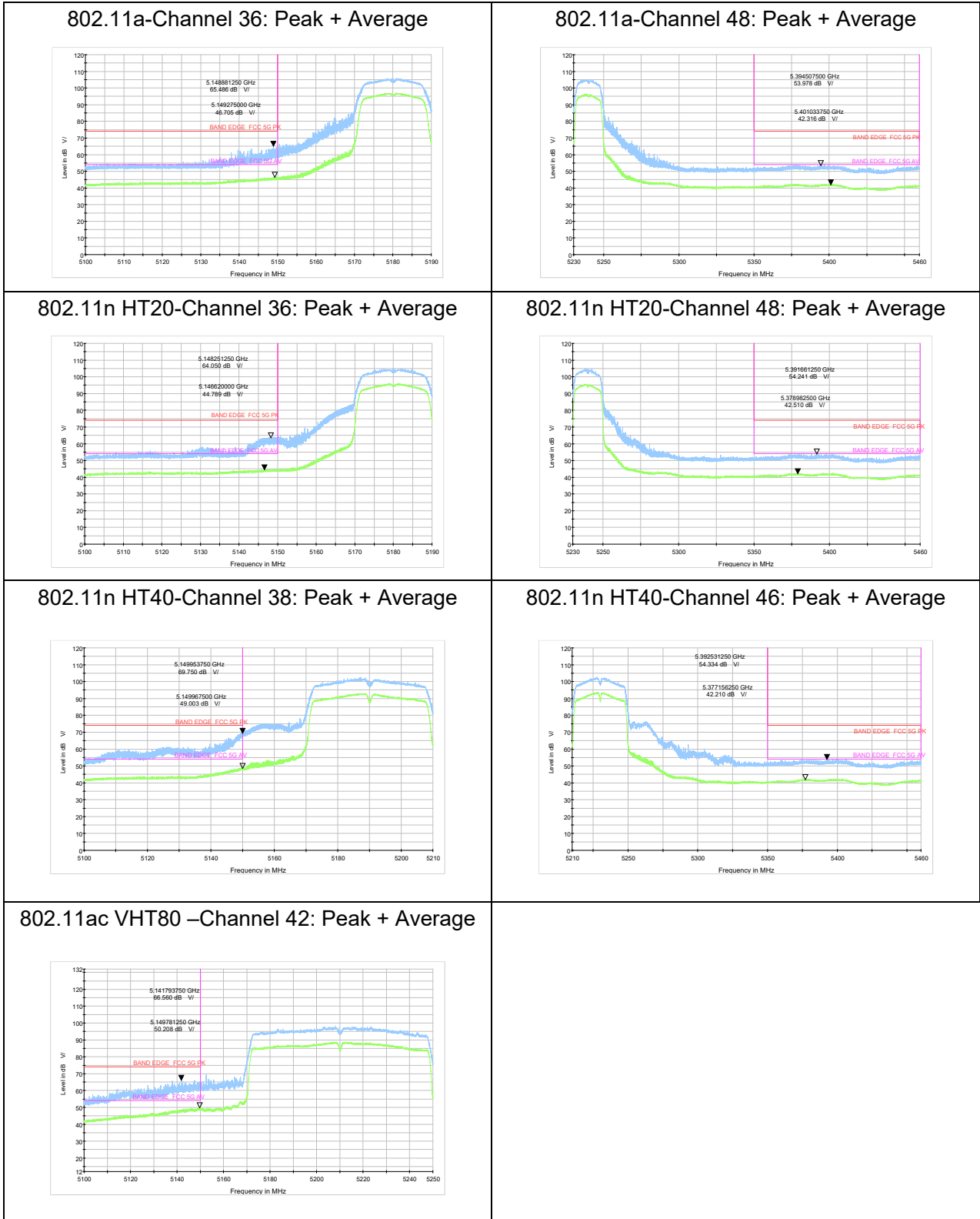
Test Results:

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

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

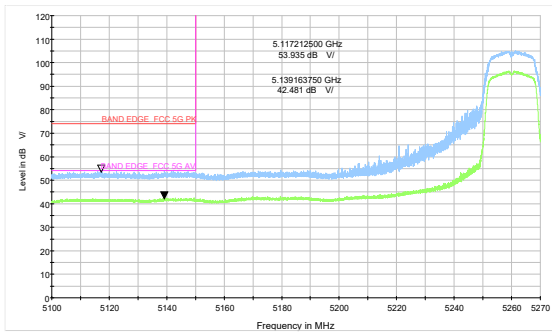
The signal beyond the limit is carrier.

U-NII-1

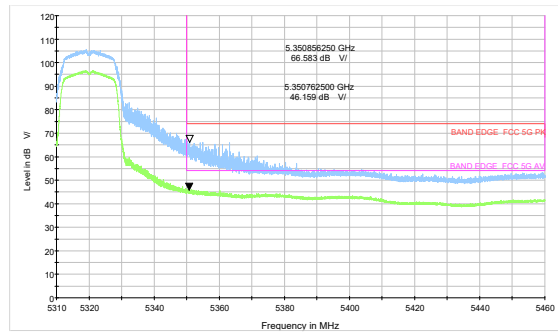


U-NII-2A

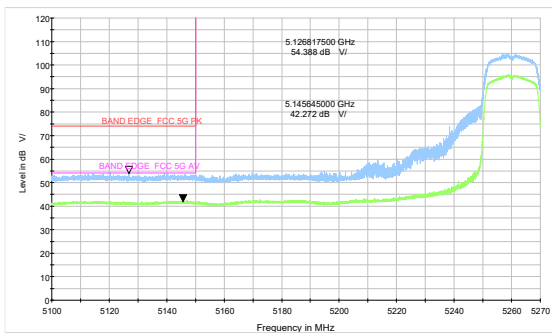
802.11a-Channel 52: Peak + Average



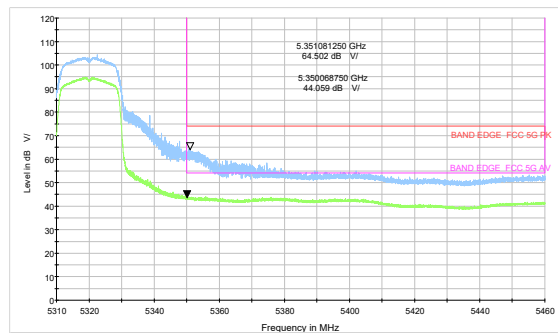
802.11a-Channel 64: Peak + Average



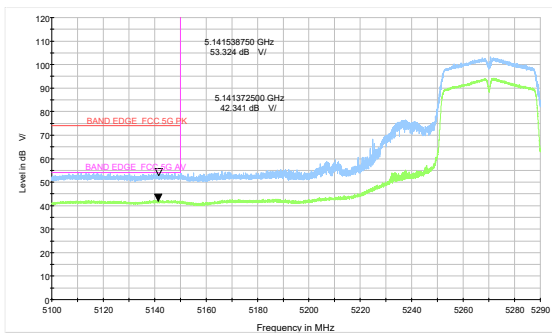
802.11n HT20-Channel 52: Peak + Average



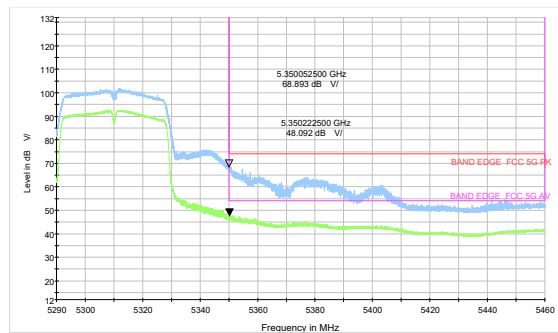
802.11n HT20-Channel 64: Peak + Average



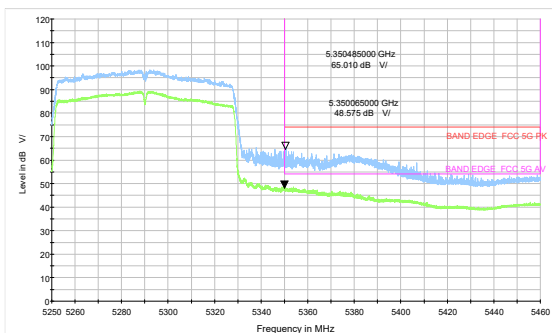
802.11n HT40-Channel 54: Peak + Average



802.11n HT40-Channel 62: Peak + Average

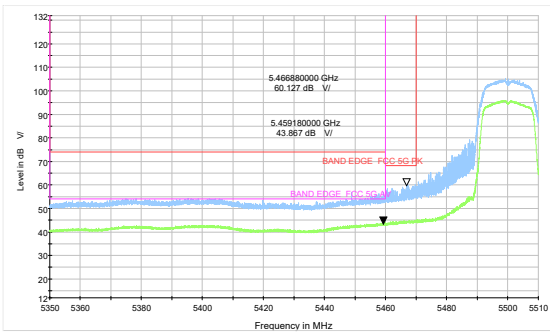


802.11ac VHT80 -Channel 58: Peak + Average

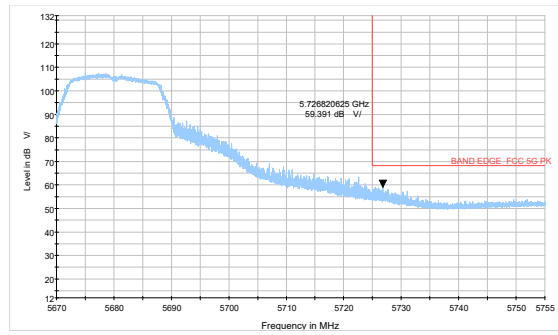


U-NII-2C

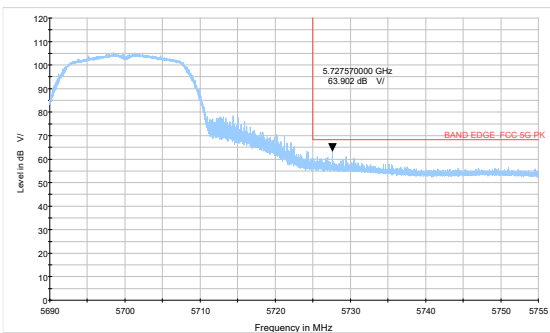
802.11a-Channel 100: Peak + Average



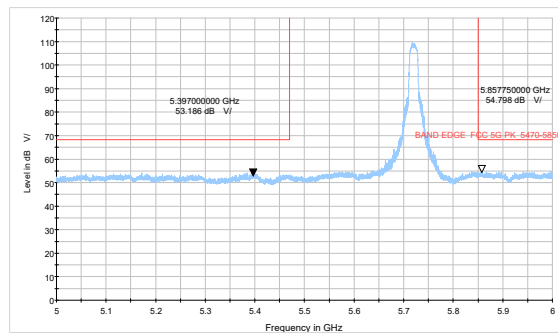
802.11n HT20-Channel 136: Peak



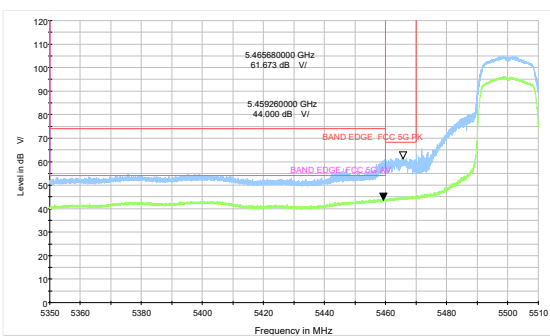
802.11a-Channel 140: Peak



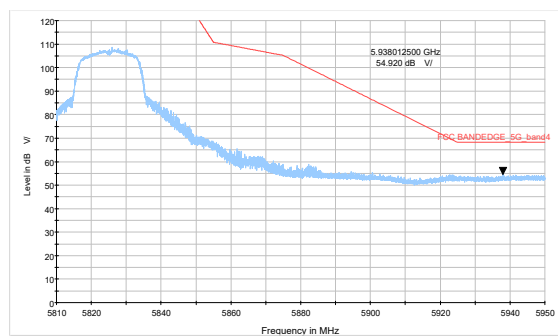
802.11a-Channel 140: Peak



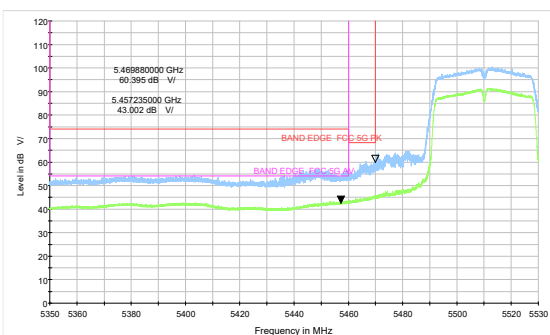
802.11n HT20-Channel 100: Peak + Average



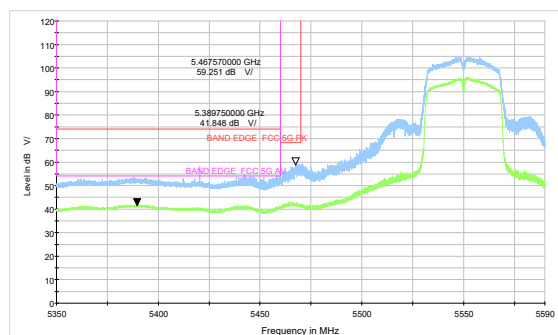
802.11n HT20-Channel 104: Peak



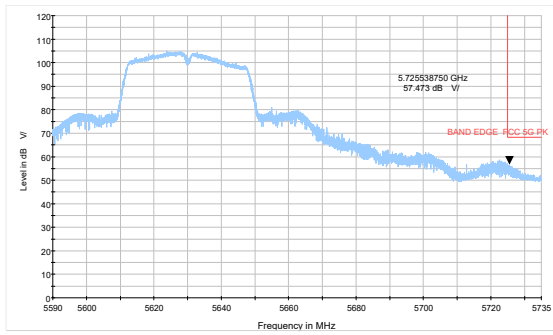
802.11n HT40-Channel 102: Peak + Average



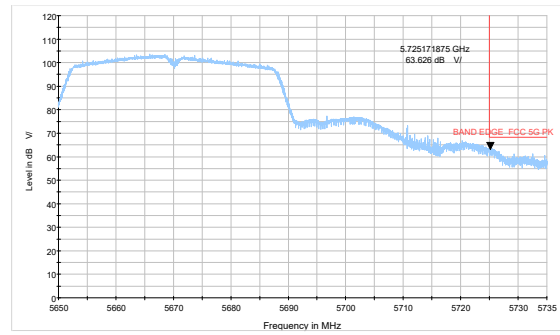
802.11n HT40-Channel 110: Peak + Average



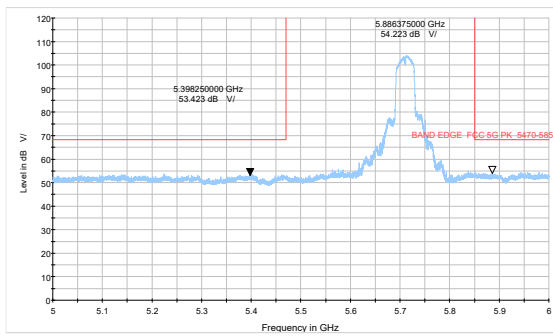
802.11n HT40-Channel 126: Peak



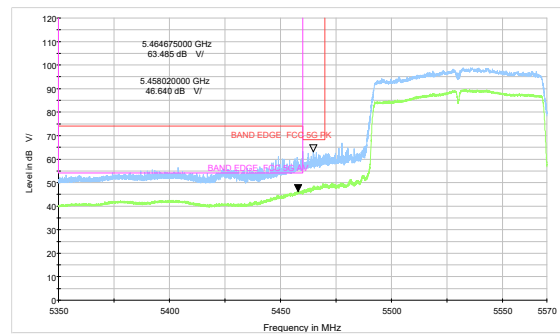
802.11n HT40-Channel 126: Peak



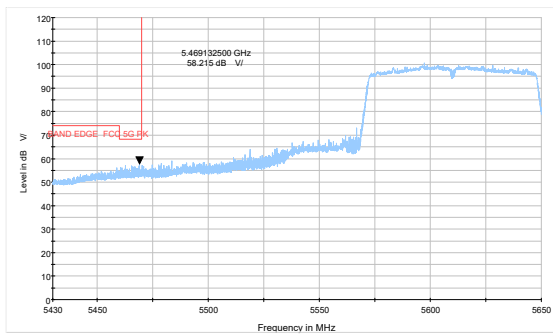
802.11n HT40-Channel 142: Peak



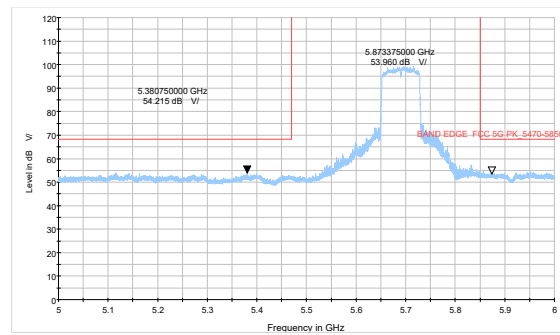
802.11ac VHT80-Channel 106: Peak + Average



802.11ac VHT80-Channel 122: Peak

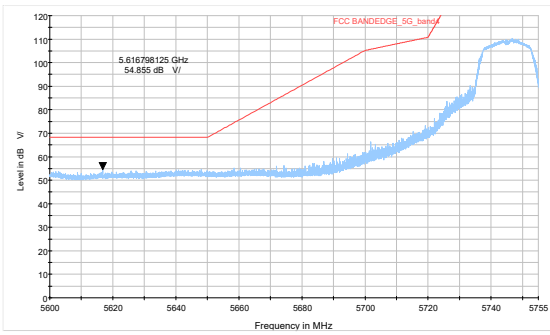


802.11ac VHT80-Channel 138: Peak

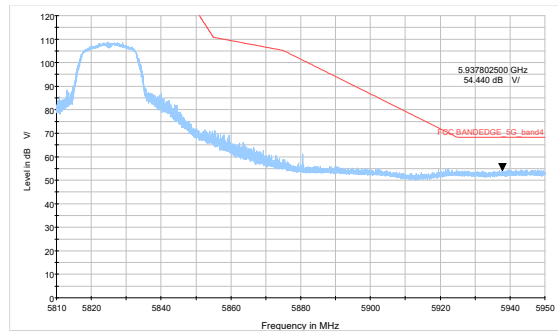


U-NII-3

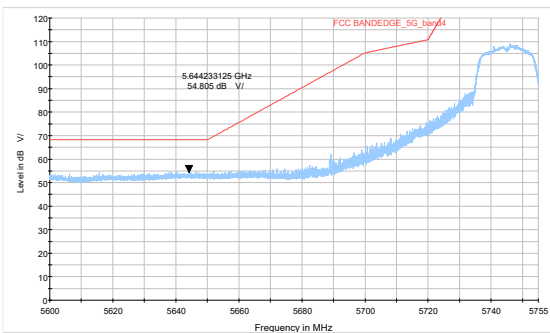
802.11a-Channel 149: Peak



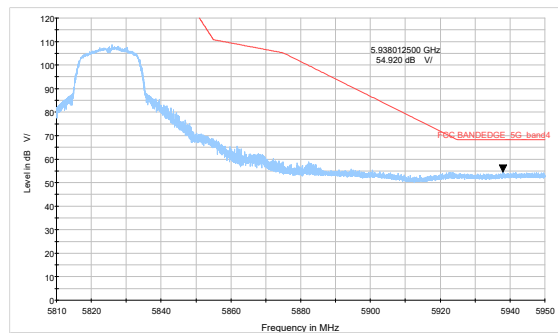
802.11a-Channel 165: Peak



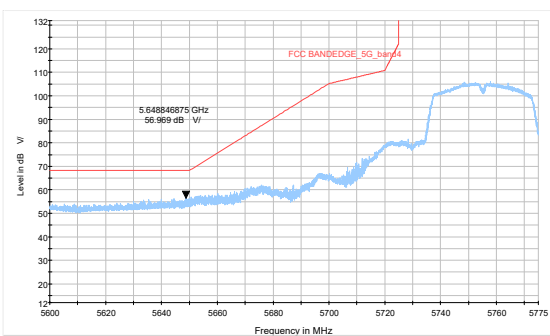
802.11n HT20-Channel 149: Peak



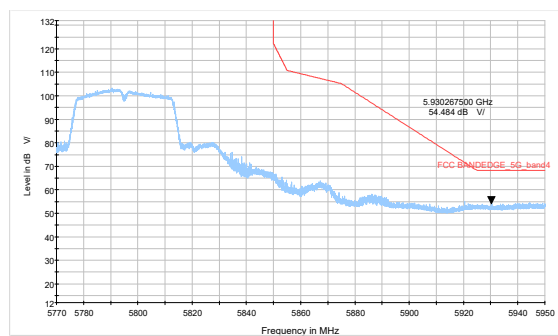
802.11n HT20-Channel 165: Peak



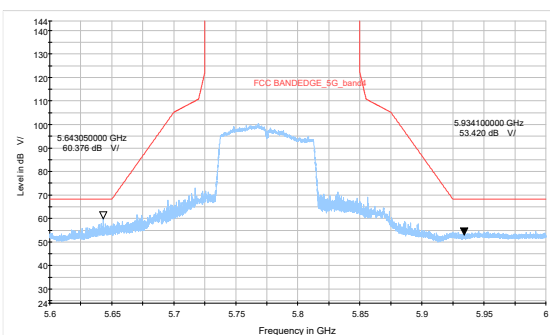
802.11n HT40-Channel 151: Peak



802.11n HT40-Channel 159: Peak



802.11ac VHT80- Channel 155: Peak



Result of RE

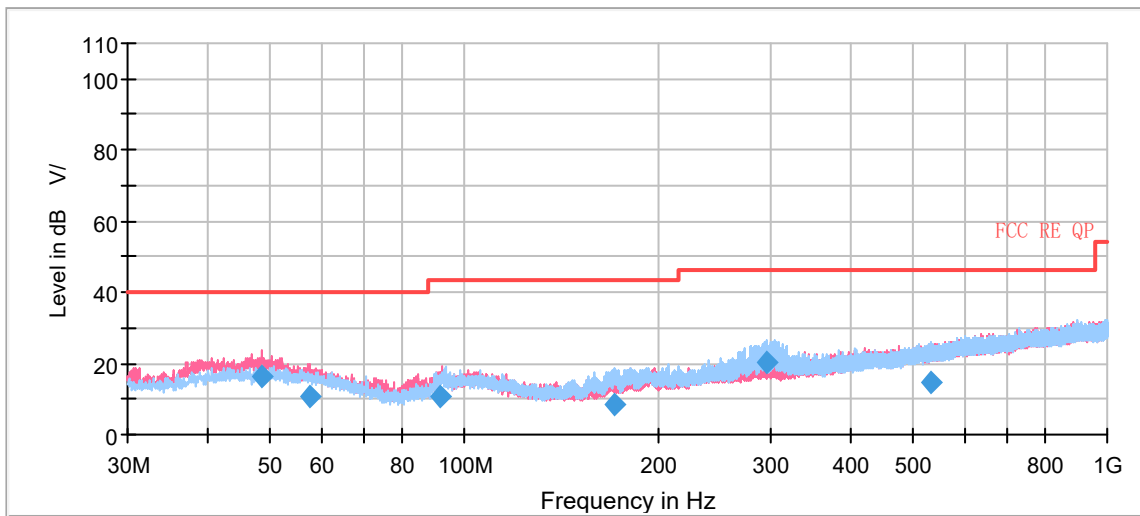
Test result

Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, the Emissions in the frequency band 9kHz-30MHz and 26.5GHz-40GHz are more than 20dB below the limit are not reported.

A symbol (dB V/) in the test plot below means (dBμV/m)

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels, 802.11a, Channel 116 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

Continuous TX mode:



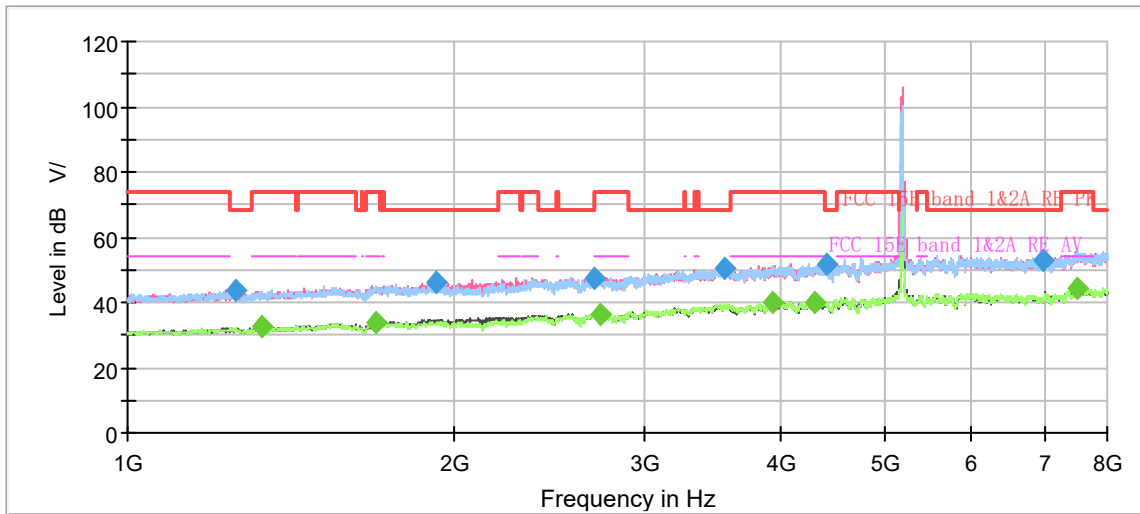
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
48.582333	16.18	40.00	23.82	110.0	V	280.0	20.6
57.510667	10.54	40.00	29.46	109.0	V	280.0	19.8
91.932667	10.81	43.50	32.69	109.0	V	211.0	16.9
171.186000	8.32	43.50	35.18	110.0	H	261.0	15.7
294.853333	20.03	46.00	25.97	101.0	H	93.0	20.3
531.140333	14.83	46.00	31.17	175.0	H	270.0	25.2

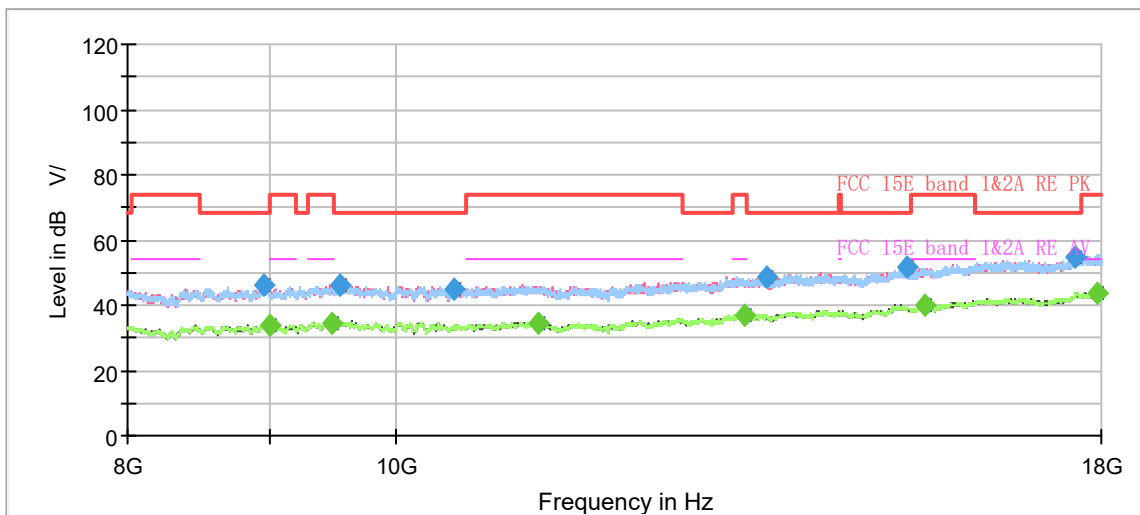
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit – Quasi-Peak

802.11a CH36



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



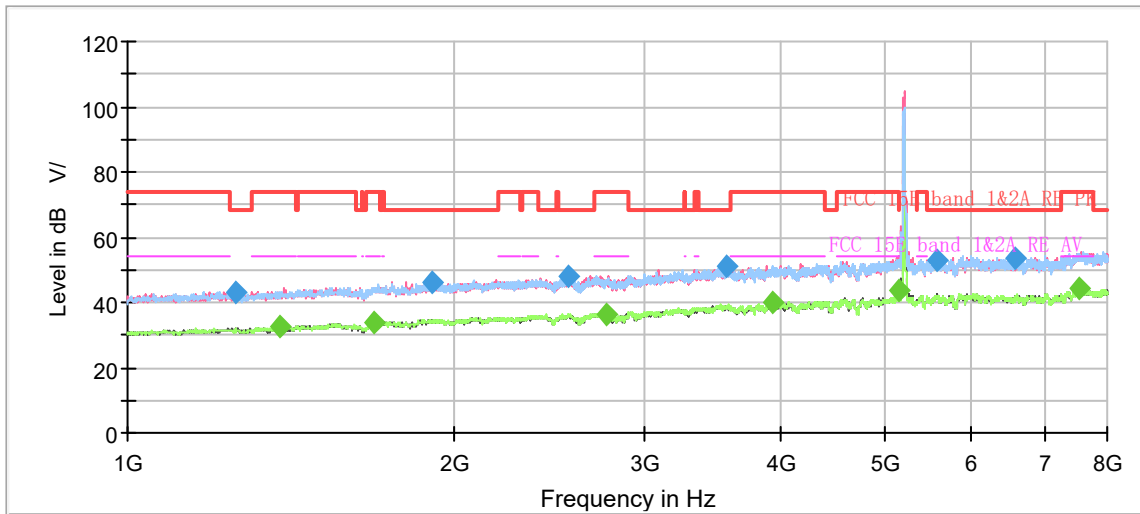
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1259.000000	43.41	---	68.20	24.79	500.0	100.0	V	53.0	-7.1
1330.750000	---	32.44	54.00	21.56	500.0	200.0	V	78.0	-6.7
1697.375000	---	33.72	54.00	20.28	500.0	200.0	V	227.0	-4.5
1927.500000	46.05	---	68.20	22.15	500.0	200.0	V	248.0	-3.3
2688.750000	47.50	---	68.20	20.70	500.0	200.0	V	136.0	0.0
2722.875000	---	36.33	54.00	17.67	500.0	100.0	V	202.0	0.2
3555.875000	50.71	---	68.20	17.49	500.0	200.0	H	147.0	3.8
3935.625000	---	39.77	54.00	14.23	500.0	200.0	H	296.0	4.9
4304.000000	---	40.01	54.00	13.99	500.0	200.0	H	359.0	5.8
4417.750000	51.62	---	68.20	16.58	500.0	200.0	H	240.0	6.4
6981.500000	52.76	---	68.20	15.44	500.0	200.0	V	0.0	9.2
7509.125000	---	44.19	54.00	9.81	500.0	200.0	H	324.0	10.8

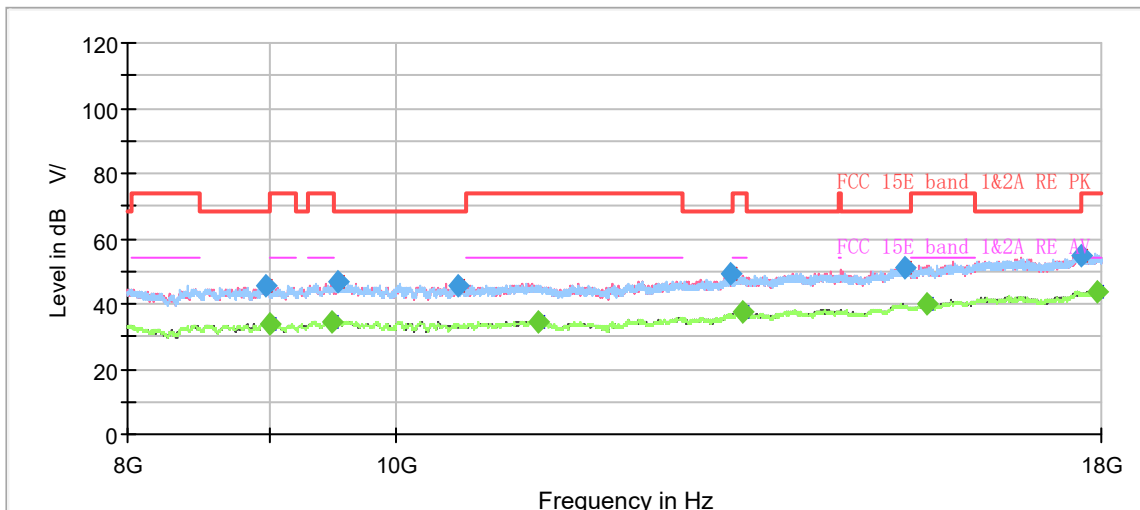
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11a CH40



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



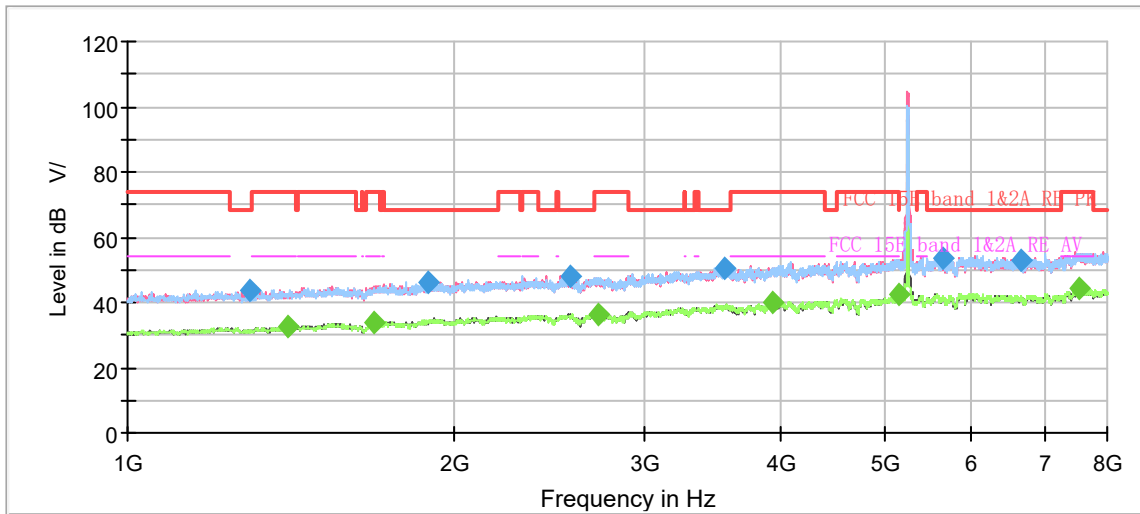
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1255.500000	43.12	---	68.20	25.08	500.0	200.0	V	1.0	-7.1
1379.750000	---	32.56	54.00	21.44	500.0	200.0	H	85.0	-6.3
1688.625000	---	33.78	54.00	20.22	500.0	100.0	V	353.0	-4.6
1911.750000	46.44	---	68.20	21.76	500.0	200.0	H	352.0	-3.4
2545.250000	48.24	---	68.20	19.96	500.0	200.0	H	114.0	-0.4
2761.375000	---	36.53	54.00	17.47	500.0	200.0	H	225.0	0.3
3572.500000	51.04	---	68.20	17.16	500.0	200.0	H	0.0	3.9
3932.125000	---	39.77	54.00	14.23	500.0	200.0	H	232.0	4.9
5149.250000	---	43.54	54.00	10.46	500.0	200.0	V	75.0	7.7
5583.250000	53.18	---	68.20	15.02	500.0	100.0	H	137.0	8.8
6592.125000	53.68	---	68.20	14.52	500.0	200.0	H	184.0	9.2
7548.500000	---	44.03	54.00	9.97	500.0	200.0	V	163.0	10.9

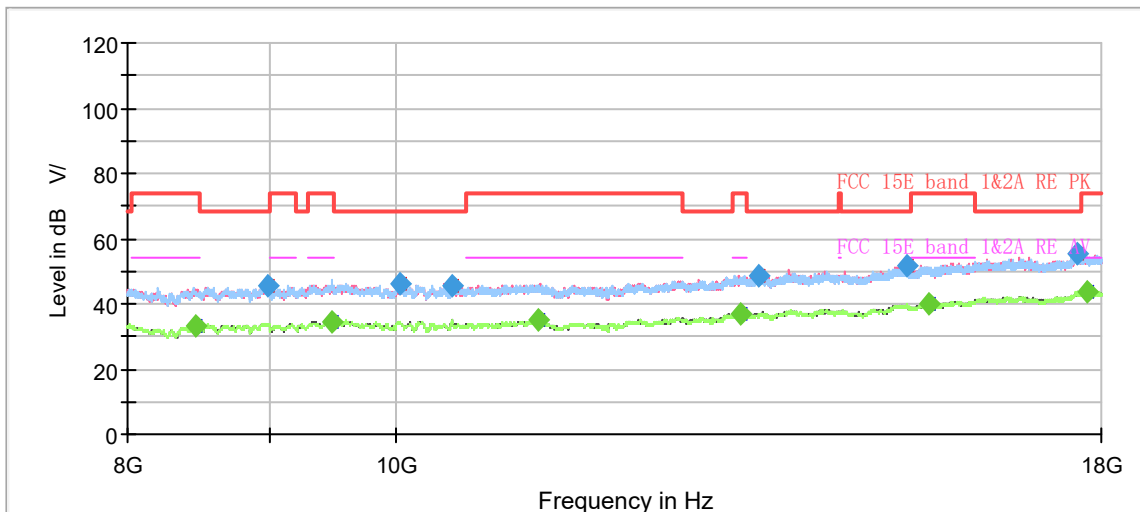
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11a CH48



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



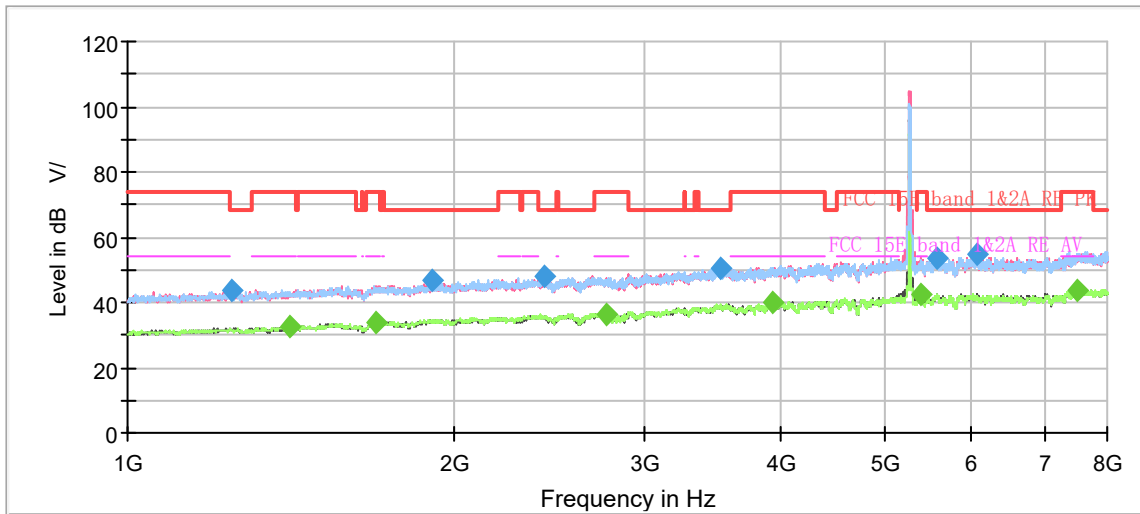
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1297.500000	43.78	---	68.20	24.42	500.0	100.0	V	201.0	-6.9
1407.750000	---	32.43	54.00	21.57	500.0	100.0	H	197.0	-6.1
1684.250000	---	33.61	54.00	20.39	500.0	100.0	H	358.0	-4.6
1893.375000	46.20	---	68.20	22.00	500.0	100.0	V	355.0	-3.5
2560.125000	48.01	---	68.20	20.19	500.0	100.0	H	0.0	-0.4
2716.750000	---	36.60	54.00	17.40	500.0	200.0	H	225.0	0.2
3552.375000	50.59	---	68.20	17.61	500.0	200.0	V	353.0	3.8
3927.750000	---	39.99	54.00	14.01	500.0	200.0	H	288.0	4.8
5139.625000	---	42.29	54.00	11.71	500.0	200.0	V	24.0	7.7
5641.875000	53.58	---	68.20	14.62	500.0	100.0	H	94.0	8.9
6654.250000	52.64	---	68.20	15.56	500.0	200.0	V	152.0	9.2
7525.750000	---	44.06	54.00	9.94	500.0	200.0	V	111.0	10.9

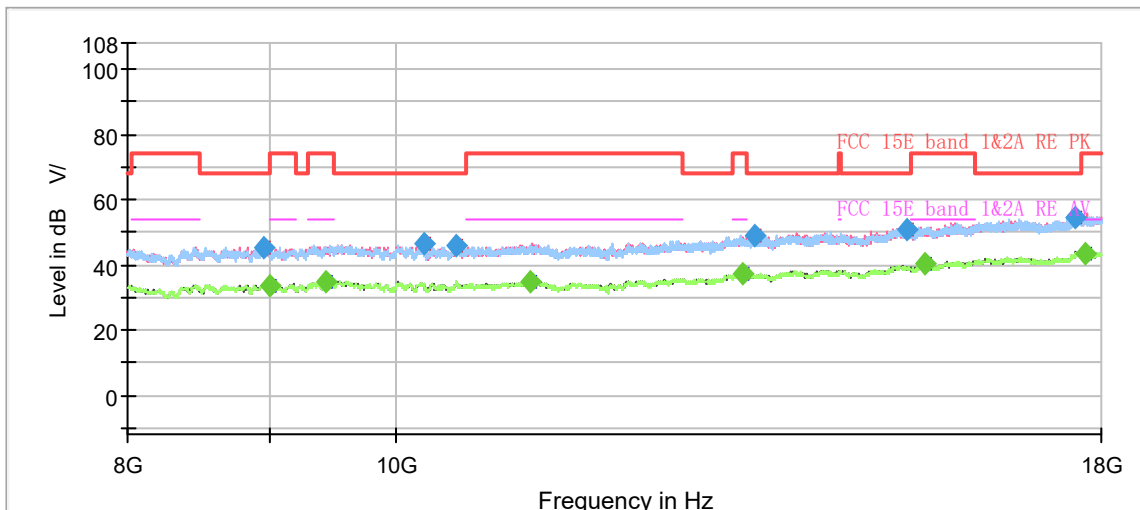
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11a CH52



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



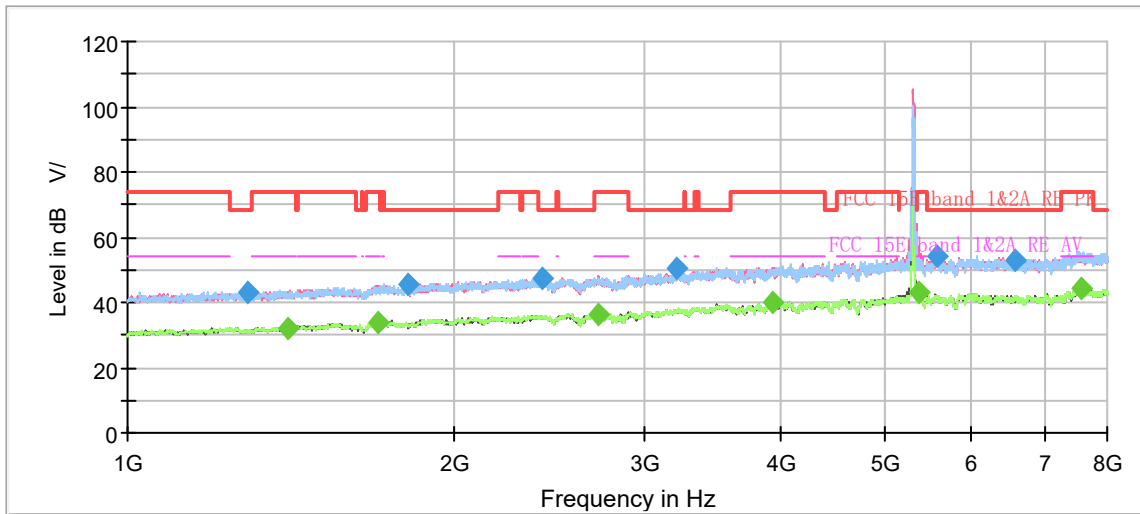
Radiates Emission from 8GHz to 18GHz

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)
1248.500000	43.40	---	68.20	24.80	500.0	200.0	V	3.0	-7.2
1413.875000	---	32.38	54.00	21.62	500.0	100.0	V	351.0	-6.1
1692.125000	---	33.63	54.00	20.37	500.0	100.0	H	13.0	-4.6
1909.125000	46.75	---	68.20	21.45	500.0	200.0	V	24.0	-3.4
2426.250000	47.75	---	68.20	20.45	500.0	200.0	V	151.0	-1.0
2759.625000	---	36.33	54.00	17.67	500.0	100.0	H	28.0	0.3
3518.250000	50.50	---	68.20	17.70	500.0	100.0	V	305.0	3.7
3933.000000	---	39.79	54.00	14.21	500.0	200.0	H	120.0	4.9
5378.500000	---	42.36	54.00	11.64	500.0	200.0	V	3.0	8.5
5578.000000	53.75	---	68.20	14.45	500.0	200.0	H	148.0	8.8
6071.500000	54.96	---	68.20	13.24	500.0	200.0	V	239.0	9.1
7510.000000	---	43.88	54.00	10.12	500.0	200.0	V	0.0	10.8

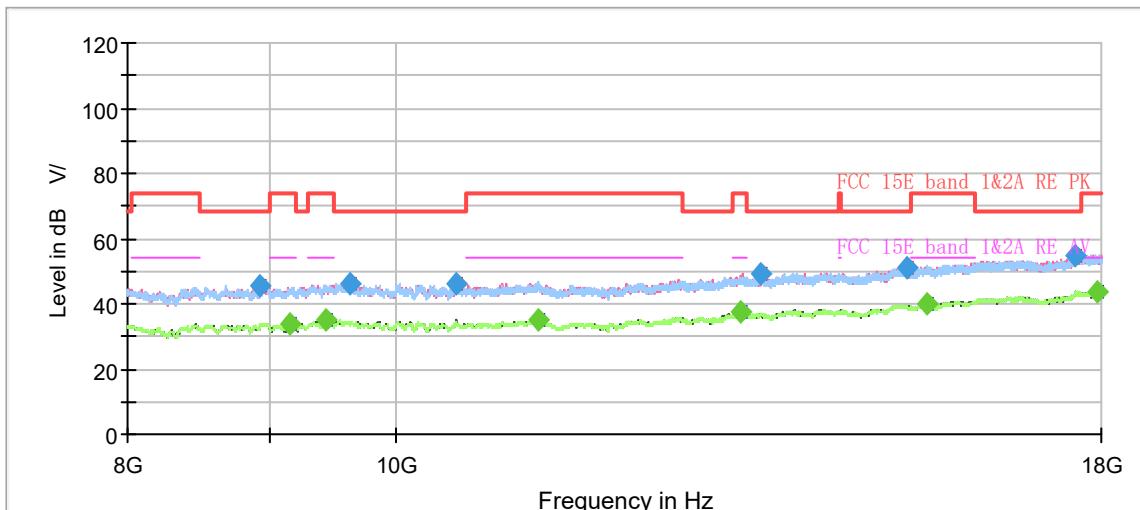
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11a CH60



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



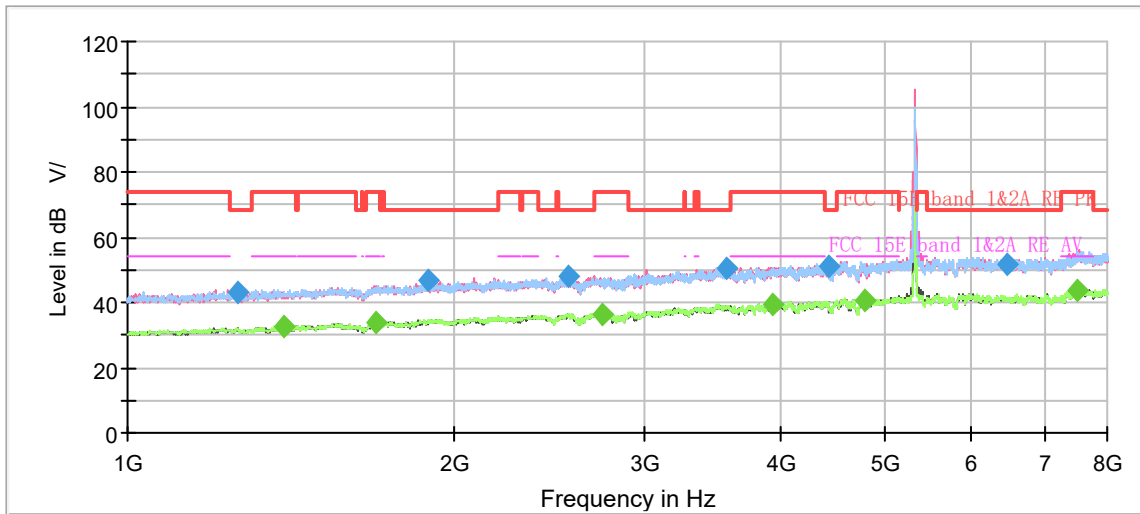
Radiates Emission from 8GHz to 18GHz

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)
1291.375000	43.03	---	68.20	25.17	500.0	100.0	V	274.0	-6.9
1405.125000	---	32.20	54.00	21.80	500.0	100.0	H	0.0	-6.2
1704.375000	---	33.77	54.00	20.23	500.0	100.0	H	181.0	-4.5
1810.250000	45.80	---	68.20	22.40	500.0	100.0	H	174.0	-4.0
2415.750000	47.50	---	68.20	20.70	500.0	200.0	V	233.0	-1.0
2713.250000	---	36.56	54.00	17.44	500.0	200.0	H	78.0	0.1
3205.875000	50.41	---	68.20	17.79	500.0	100.0	V	358.0	2.1
3937.375000	---	39.76	54.00	14.24	500.0	200.0	H	287.0	4.9
5375.000000	---	42.82	54.00	11.18	500.0	200.0	V	109.0	8.5
5576.250000	54.14	---	68.20	14.06	500.0	100.0	H	0.0	8.8
6592.125000	52.84	---	68.20	15.36	500.0	200.0	H	280.0	9.2
7562.500000	---	44.05	54.00	9.95	500.0	100.0	H	45.0	10.9

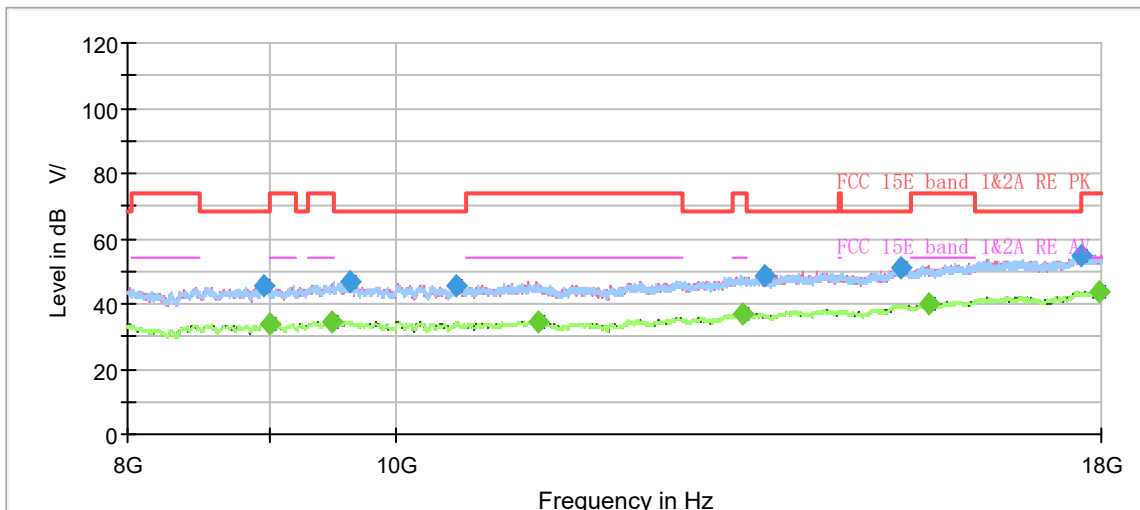
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11a CH64



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



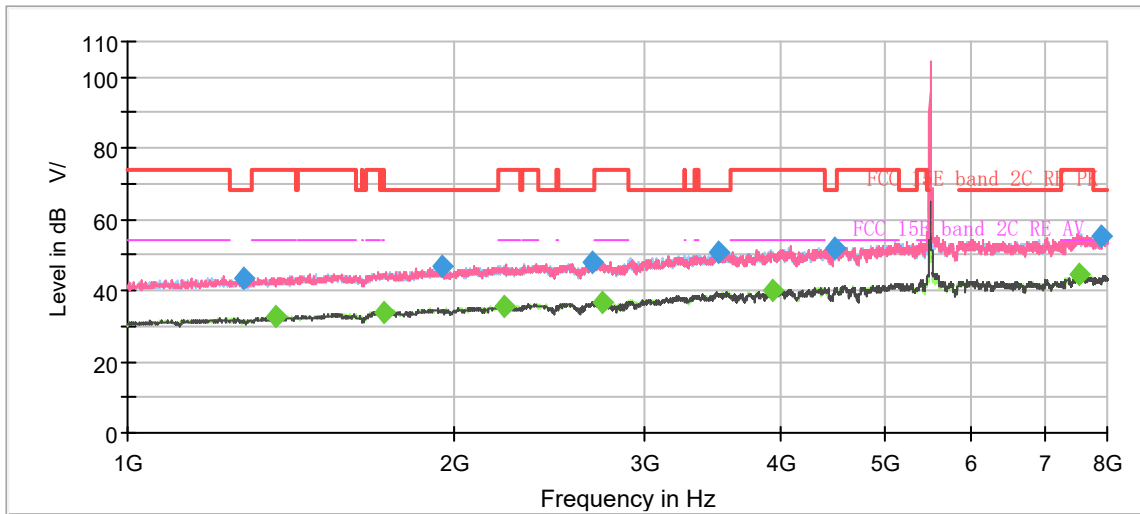
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1261.625000	43.23	---	68.20	24.97	500.0	100.0	H	46.0	-7.1
1395.500000	---	32.43	54.00	21.57	500.0	200.0	H	256.0	-6.2
1694.750000	---	33.65	54.00	20.35	500.0	200.0	H	221.0	-4.5
1893.375000	46.94	---	68.20	21.26	500.0	100.0	H	218.0	-3.5
2548.750000	47.75	---	68.20	20.45	500.0	200.0	H	0.0	-0.4
2737.750000	---	36.28	54.00	17.72	500.0	100.0	H	81.0	0.3
3573.375000	50.40	---	68.20	17.80	500.0	200.0	H	333.0	3.9
3936.500000	---	39.66	54.00	14.34	500.0	200.0	H	340.0	4.9
4423.875000	51.21	---	68.20	16.99	500.0	200.0	H	0.0	6.4
4778.250000	---	40.46	54.00	13.54	500.0	200.0	V	216.0	6.8
6464.375000	51.99	---	68.20	16.21	500.0	200.0	V	149.0	9.1
7512.625000	---	43.93	54.00	10.07	500.0	100.0	H	123.0	10.8

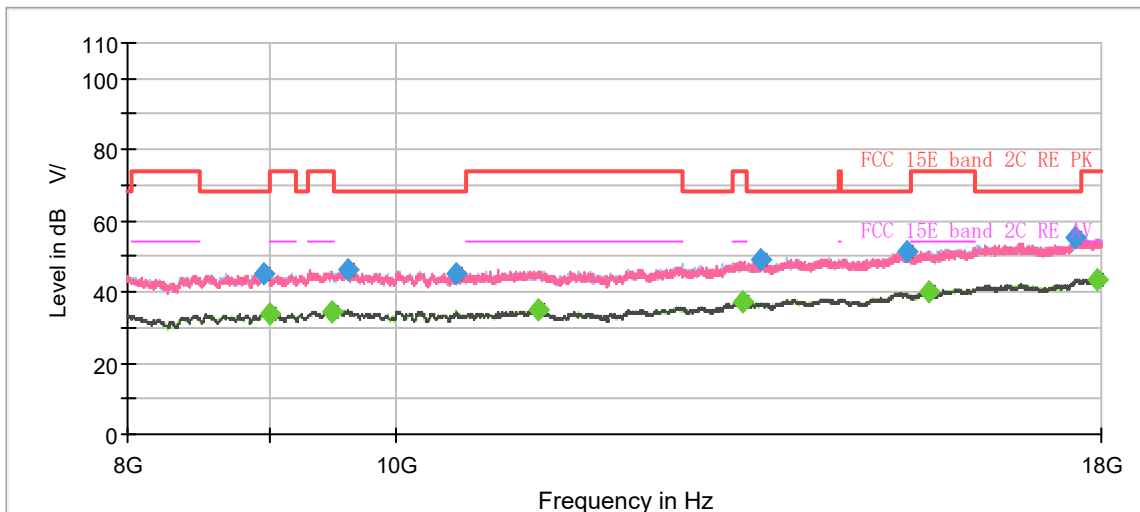
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11a CH100



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



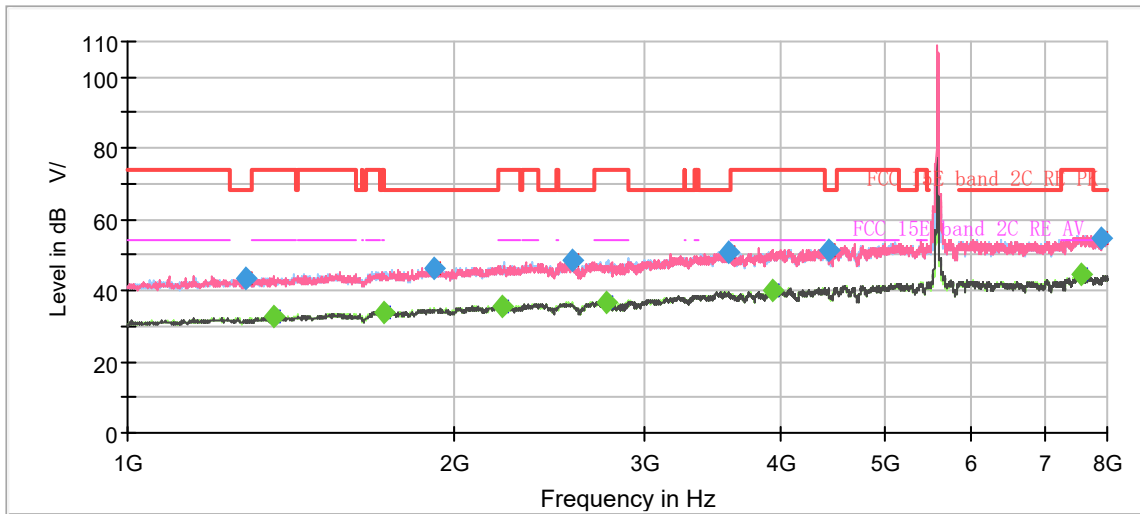
Radiates Emission from 8GHz to 18GHz

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)
1280.000000	43.18	---	68.20	25.02	500.0	100.0	H	218.0	-7.0
1368.375000	---	32.61	54.00	21.39	500.0	100.0	H	134.0	-6.4
1720.125000	---	33.84	54.00	20.16	500.0	200.0	V	124.0	-4.4
1951.125000	46.78	---	68.20	21.42	500.0	200.0	H	341.0	-3.2
2225.000000	---	35.30	54.00	18.70	500.0	200.0	H	327.0	-2.0
2683.500000	47.87	---	68.20	20.33	500.0	200.0	V	66.0	0.0
2738.625000	---	36.83	54.00	17.17	500.0	100.0	H	23.0	0.3
3509.500000	50.77	---	68.20	17.43	500.0	200.0	V	33.0	3.7
3935.625000	---	40.12	54.00	13.88	500.0	100.0	V	249.0	4.9
4493.875000	51.66	---	68.20	16.54	500.0	100.0	H	316.0	6.6
7535.375000	---	44.38	54.00	9.62	500.0	100.0	V	1.0	10.9
7914.250000	55.56	---	68.20	12.64	500.0	200.0	V	217.0	10.8

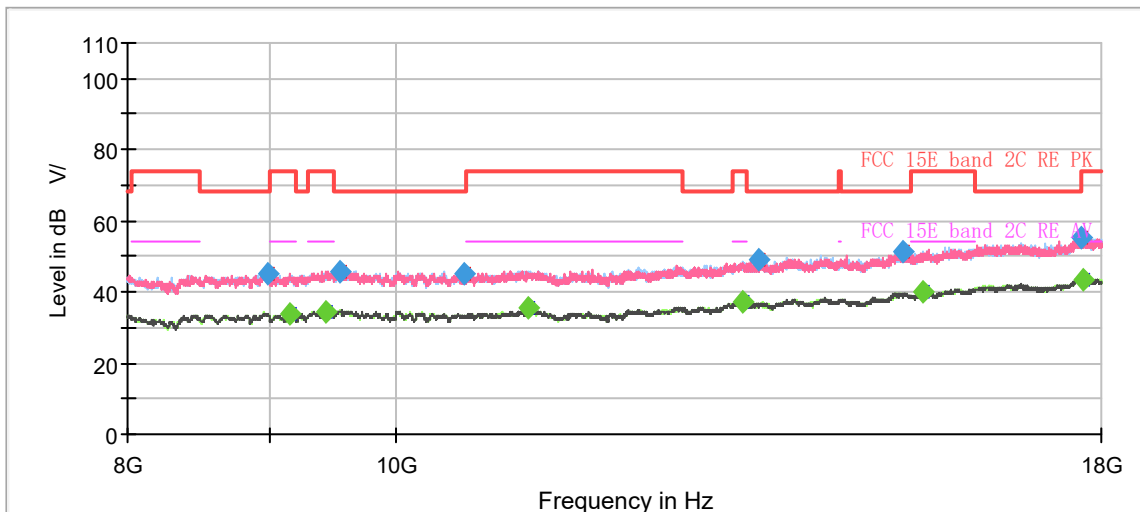
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11a CH116



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



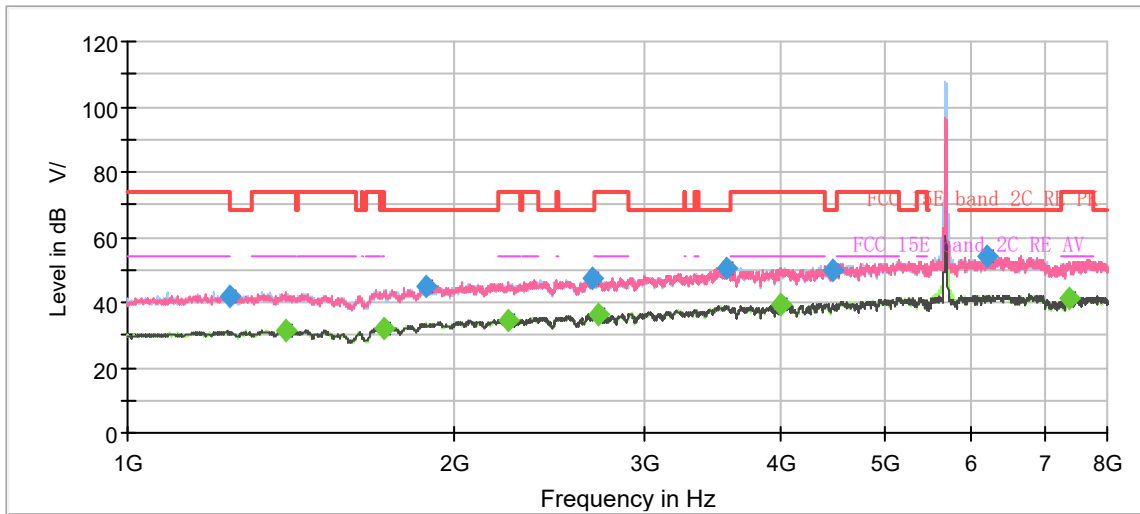
Radiates Emission from 8GHz to 18GHz

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)
1283.500000	43.35	---	68.20	24.85	500.0	100.0	V	232.0	-7.0
1363.125000	---	32.79	54.00	21.21	500.0	100.0	H	108.0	-6.5
1721.000000	---	33.89	54.00	20.11	500.0	200.0	H	283.0	-4.4
1915.250000	46.36	---	68.20	21.84	500.0	200.0	V	148.0	-3.4
2211.875000	---	35.43	54.00	18.57	500.0	100.0	H	30.0	-2.0
2566.250000	48.33	---	68.20	19.87	500.0	100.0	V	189.0	-0.3
2763.125000	---	36.51	54.00	17.49	500.0	100.0	V	175.0	0.3
3575.125000	50.79	---	68.20	17.41	500.0	100.0	H	236.0	3.9
3935.625000	---	40.18	54.00	13.82	500.0	200.0	V	168.0	4.9
4424.750000	51.23	---	68.20	16.97	500.0	200.0	V	183.0	6.4
7553.750000	---	44.70	54.00	9.30	500.0	200.0	H	223.0	10.9
7911.625000	55.00	---	68.20	13.20	500.0	100.0	V	51.0	10.8

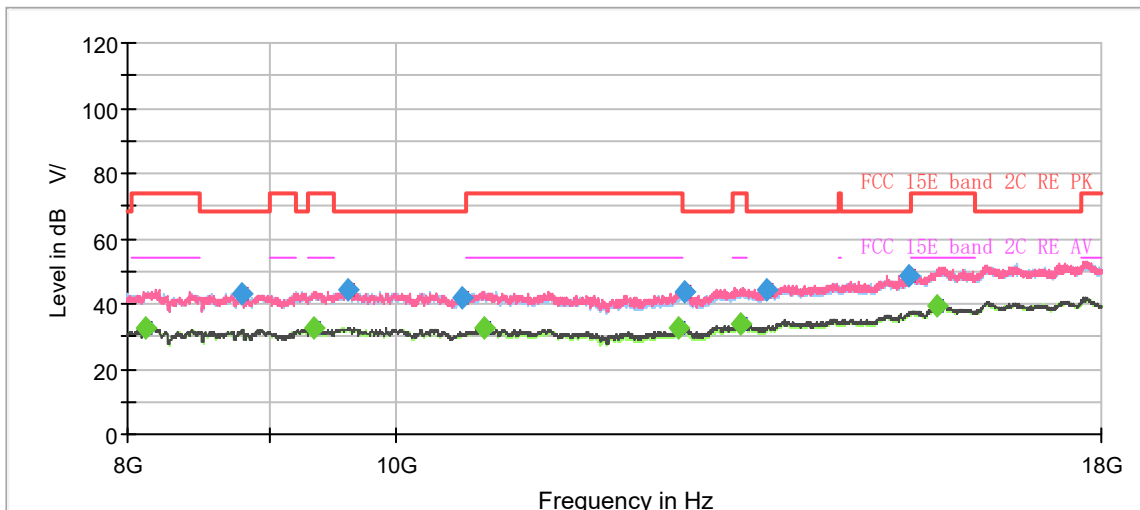
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11a CH136



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



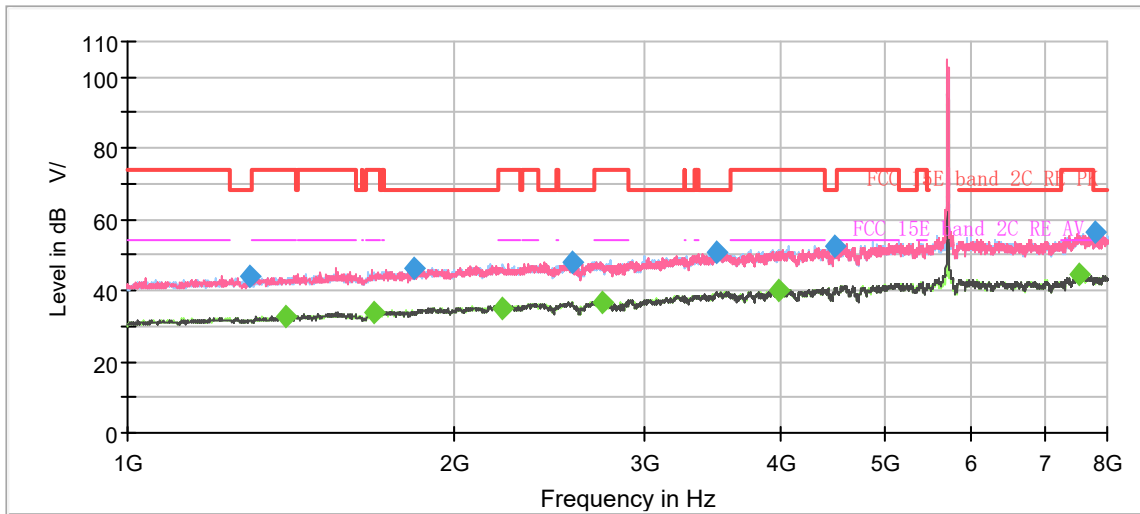
Radiates Emission from 8GHz to 18GHz

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)
1244.125000	42.08	---	68.20	26.12	500.0	200.0	V	341.0	-7.2
1400.750000	---	31.30	54.00	22.70	500.0	200.0	H	231.0	-6.2
1721.875000	---	32.14	54.00	21.86	500.0	200.0	H	285.0	-4.4
1887.250000	44.98	---	68.20	23.22	500.0	100.0	H	259.0	-3.5
2240.750000	---	34.40	54.00	19.60	500.0	200.0	V	153.0	-1.9
2682.625000	47.67	---	68.20	20.53	500.0	200.0	H	10.0	0.0
2717.625000	---	36.02	54.00	17.98	500.0	200.0	V	86.0	0.2
3563.750000	50.37	---	68.20	17.83	500.0	200.0	H	51.0	3.9
3998.625000	---	39.30	54.00	14.70	500.0	200.0	H	98.0	5.1
4467.625000	49.74	---	68.20	18.46	500.0	100.0	V	0.0	6.5
6199.250000	54.37	---	68.20	13.83	500.0	100.0	H	207.0	9.0
7373.500000	---	41.49	54.00	12.51	500.0	100.0	V	215.0	10.5

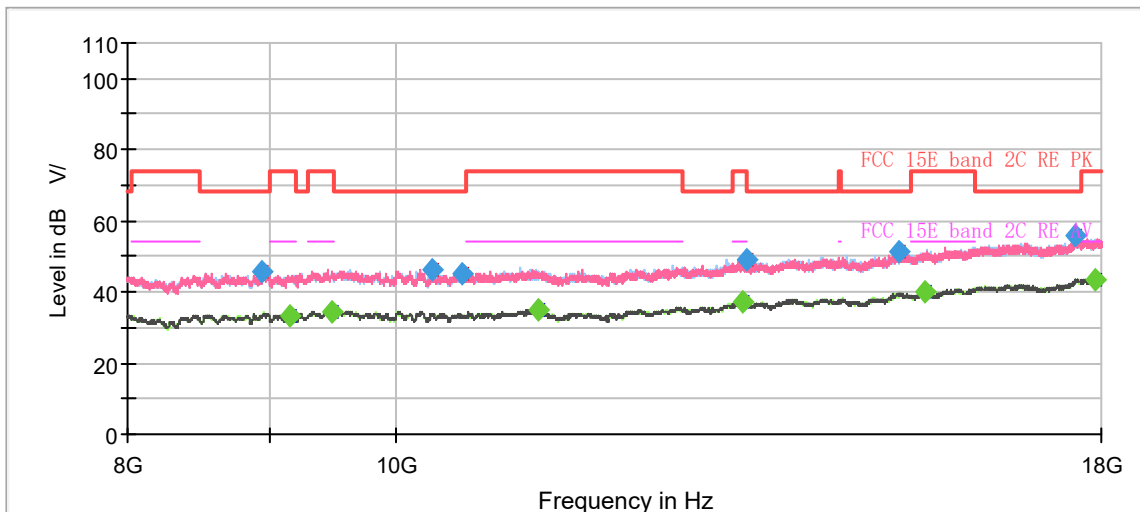
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11a CH140



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



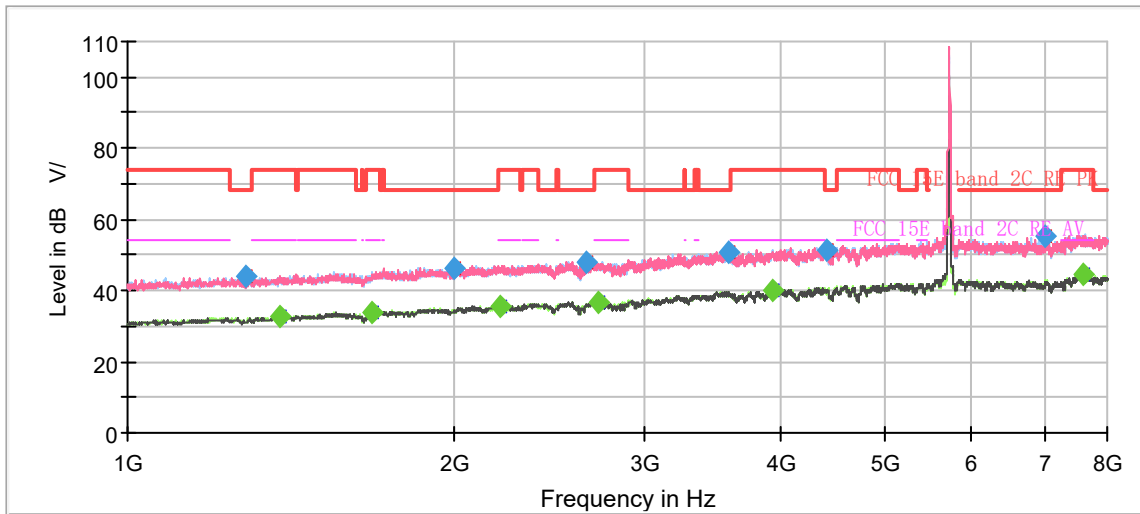
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1296.625000	43.79	---	68.20	24.41	500.0	100.0	V	228.0	-6.9
1398.125000	---	32.72	54.00	21.28	500.0	200.0	V	156.0	-6.2
1685.125000	---	33.92	54.00	20.08	500.0	200.0	H	149.0	-4.6
1840.000000	46.25	---	68.20	21.95	500.0	200.0	H	289.0	-3.8
2211.875000	---	35.17	54.00	18.83	500.0	200.0	H	111.0	-2.0
2565.375000	48.04	---	68.20	20.16	500.0	200.0	V	54.0	-0.3
2734.250000	---	36.67	54.00	17.33	500.0	200.0	H	0.0	0.3
3485.000000	50.96	---	68.20	17.24	500.0	200.0	V	273.0	3.5
3988.125000	---	40.13	54.00	13.87	500.0	200.0	V	64.0	5.1
4494.750000	52.44	---	68.20	15.76	500.0	100.0	V	252.0	6.6
7531.875000	---	44.49	54.00	9.51	500.0	100.0	H	142.0	10.9
7811.000000	56.40	---	68.20	11.80	500.0	200.0	H	205.0	11.0

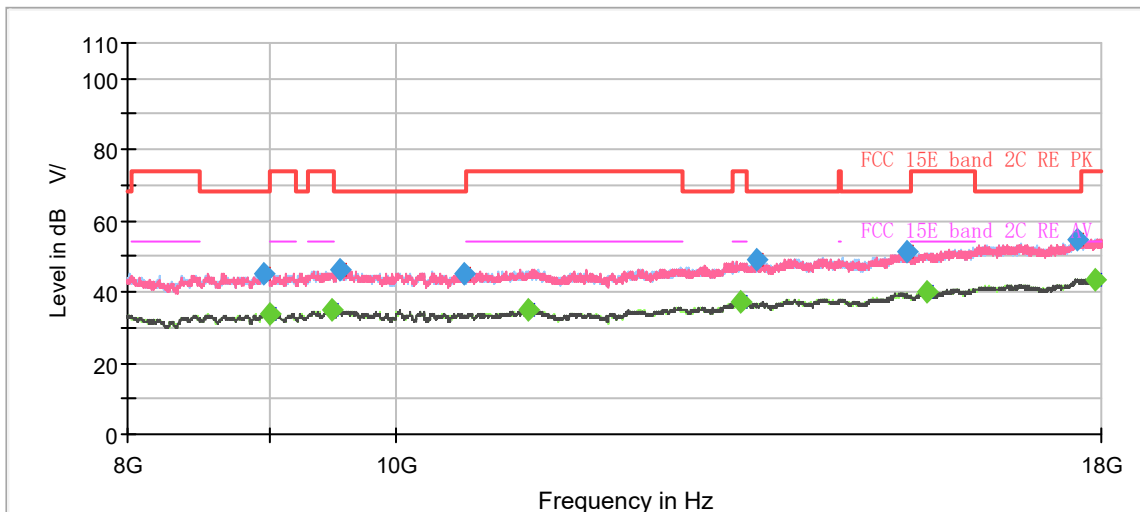
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11a CH144



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



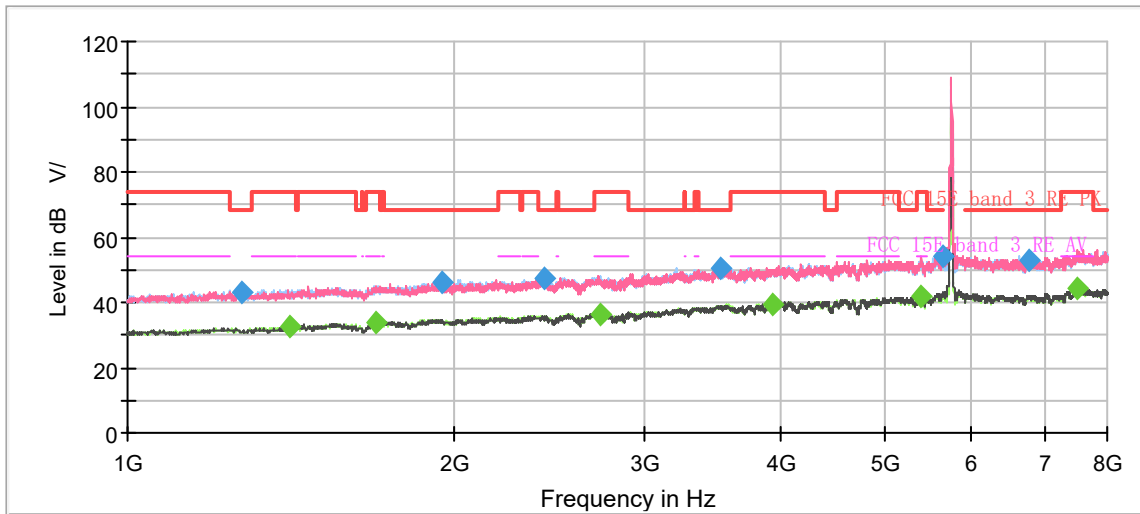
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1284.375000	44.21	---	68.20	23.99	500.0	100.0	H	66.0	-7.0
1381.500000	---	32.65	54.00	21.35	500.0	200.0	V	191.0	-6.3
1683.375000	---	33.96	54.00	20.04	500.0	100.0	V	284.0	-4.6
1996.625000	46.26	---	68.20	21.94	500.0	200.0	V	138.0	-3.0
2201.375000	---	35.66	54.00	18.34	500.0	100.0	H	157.0	-2.0
2652.875000	47.81	---	68.20	20.39	500.0	100.0	H	99.0	-0.1
2711.500000	---	36.69	54.00	17.31	500.0	200.0	V	143.0	0.1
3576.000000	50.76	---	68.20	17.44	500.0	200.0	V	181.0	3.9
3933.000000	---	40.07	54.00	13.93	500.0	100.0	V	196.0	4.9
4411.625000	51.54	---	68.20	16.66	500.0	200.0	H	68.0	6.3
7015.625000	55.20	---	68.20	13.01	500.0	100.0	V	352.0	9.3
7611.500000	---	44.40	54.00	9.60	500.0	100.0	H	177.0	10.9

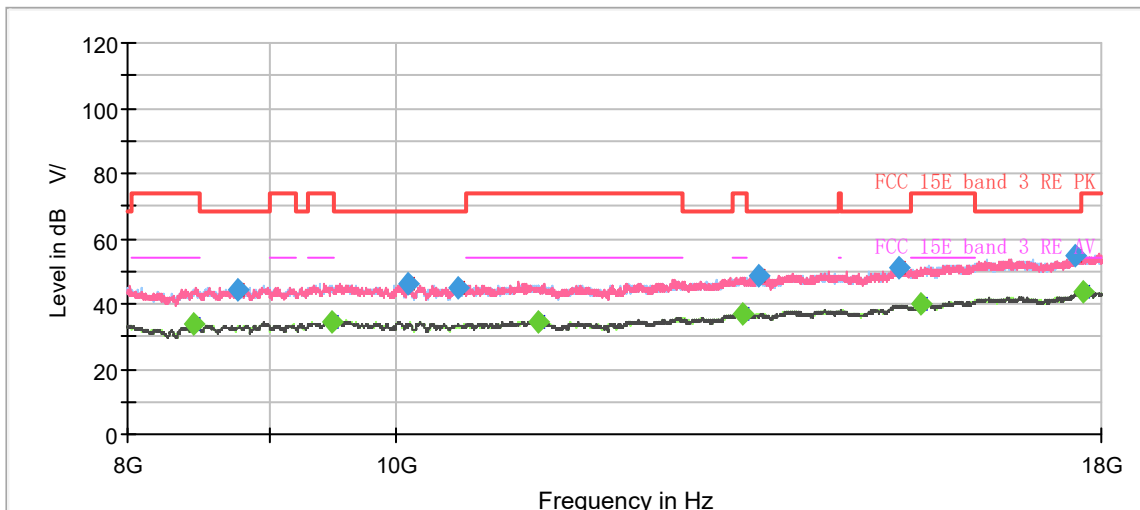
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11a CH149



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



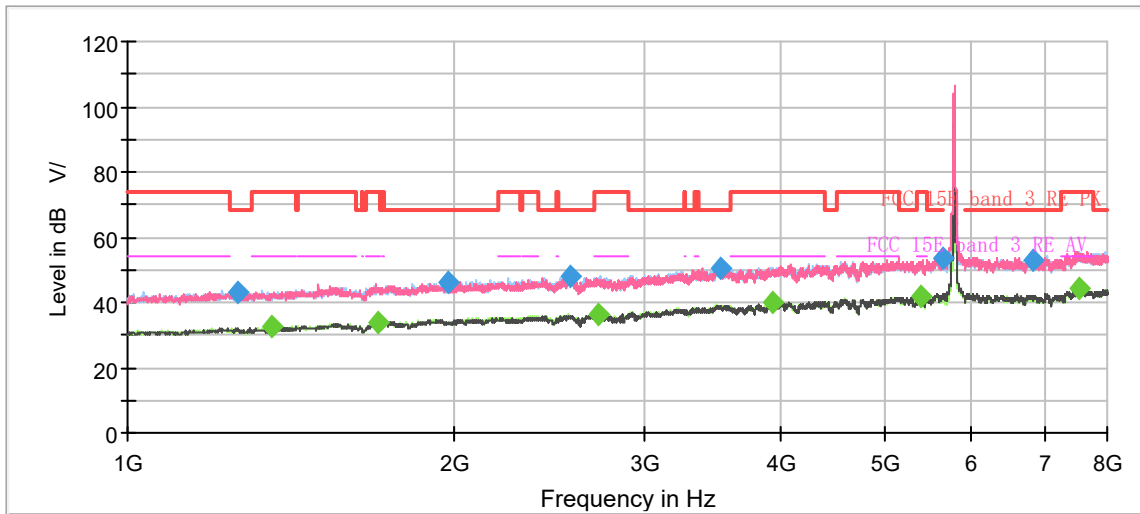
Radiates Emission from 8GHz to 18GHz

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)
1275.625000	43.08	---	68.20	25.12	500.0	200.0	V	343.0	-7.0
1410.375000	---	32.55	54.00	21.45	500.0	200.0	H	272.0	-6.1
1691.250000	---	33.64	54.00	20.36	500.0	100.0	V	230.0	-4.6
1948.500000	46.32	---	68.20	21.88	500.0	100.0	H	0.0	-3.2
2425.375000	47.55	---	68.20	20.65	500.0	200.0	H	180.0	-1.0
2732.500000	---	36.36	54.00	17.64	500.0	100.0	H	307.0	0.2
3527.000000	50.67	---	68.20	17.53	500.0	100.0	V	0.0	3.7
3937.375000	---	39.62	54.00	14.38	500.0	100.0	H	4.0	4.9
5396.000000	---	41.94	54.00	12.06	500.0	100.0	V	216.0	8.6
5641.000000	54.18	---	68.20	14.02	500.0	200.0	V	357.0	8.9
6767.125000	52.97	---	68.20	15.23	500.0	100.0	V	290.0	9.2
7517.875000	---	44.14	54.00	9.86	500.0	100.0	V	102.0	10.8

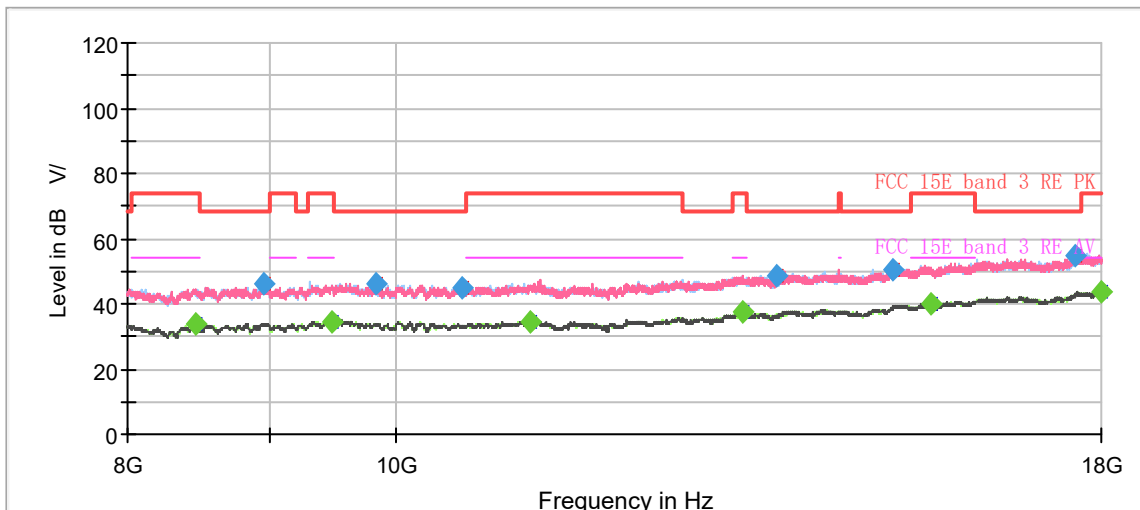
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11a CH157



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



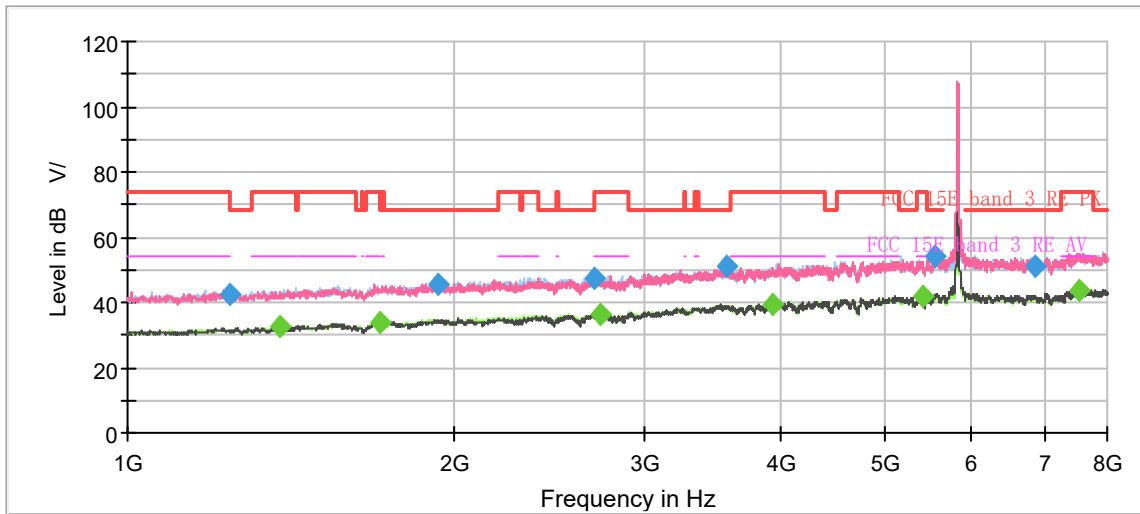
Radiates Emission from 8GHz to 18GHz

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)
1263.375000	43.27	---	68.20	24.93	500.0	200.0	V	87.0	-7.1
1360.500000	---	32.32	54.00	21.68	500.0	200.0	H	97.0	-6.5
1703.500000	---	33.62	54.00	20.38	500.0	200.0	H	83.0	-4.5
1973.000000	46.41	---	68.20	21.79	500.0	100.0	V	207.0	-3.1
2563.625000	48.13	---	68.20	20.07	500.0	100.0	V	153.0	-0.3
2715.000000	---	36.44	54.00	17.56	500.0	200.0	H	76.0	0.2
3527.000000	50.69	---	68.20	17.51	500.0	100.0	H	50.0	3.7
3940.000000	---	39.70	54.00	14.30	500.0	200.0	H	49.0	4.9
5376.750000	---	41.87	54.00	12.13	500.0	200.0	V	336.0	8.5
5641.875000	53.43	---	68.20	14.77	500.0	200.0	V	28.0	8.9
6824.000000	52.79	---	68.20	15.41	500.0	100.0	H	190.0	9.2
7550.250000	---	44.02	54.00	9.98	500.0	200.0	V	238.0	10.9

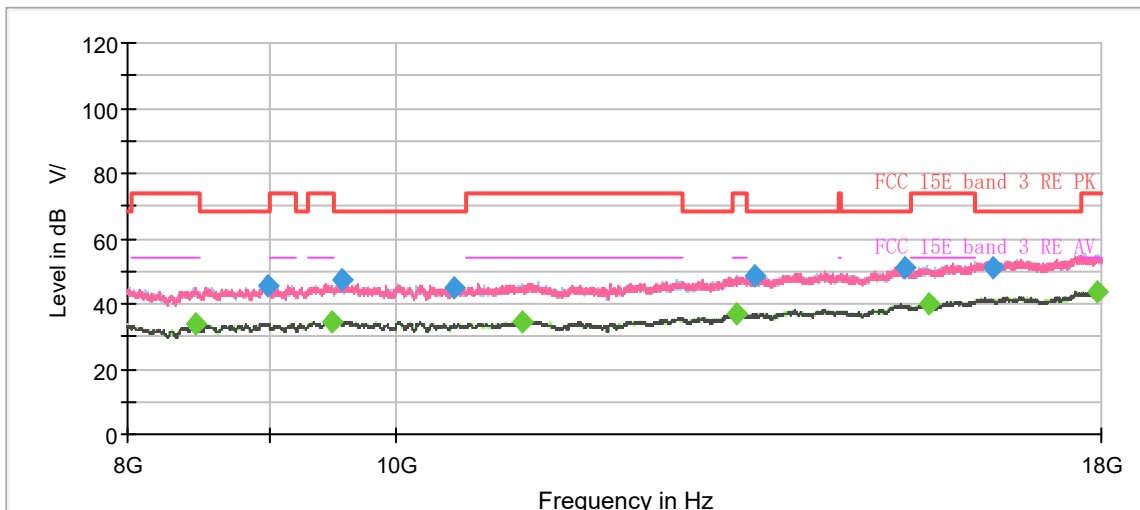
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit - MAX Peak/ Average

802.11a CH165



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



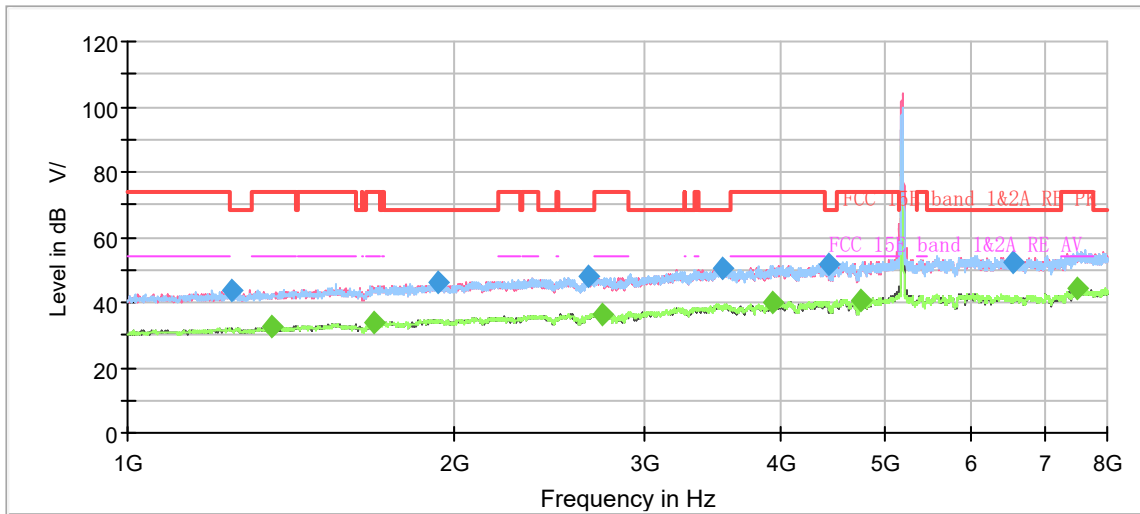
Radiates Emission from 8GHz to 18GHz

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)
1241.500000	42.49	---	68.20	25.71	500.0	100.0	H	263.0	-7.2
1381.500000	---	32.31	54.00	21.69	500.0	100.0	V	213.0	-6.3
1709.625000	---	33.79	54.00	20.21	500.0	200.0	V	283.0	-4.5
1934.500000	45.79	---	68.20	22.41	500.0	200.0	V	0.0	-3.3
2689.625000	47.50	---	68.20	20.70	500.0	100.0	V	213.0	0.0
2724.625000	---	36.29	54.00	17.71	500.0	200.0	H	2.0	0.2
3573.375000	50.85	---	68.20	17.35	500.0	100.0	H	120.0	3.9
3937.375000	---	39.56	54.00	14.44	500.0	100.0	V	68.0	4.9
5403.875000	---	41.90	54.00	12.10	500.0	200.0	V	268.0	8.6
5557.875000	54.31	---	68.20	13.89	500.0	200.0	V	73.0	8.8
6858.125000	51.03	---	68.20	17.17	500.0	100.0	H	0.0	9.2
7540.625000	---	43.97	54.00	10.03	500.0	100.0	H	325.0	10.9

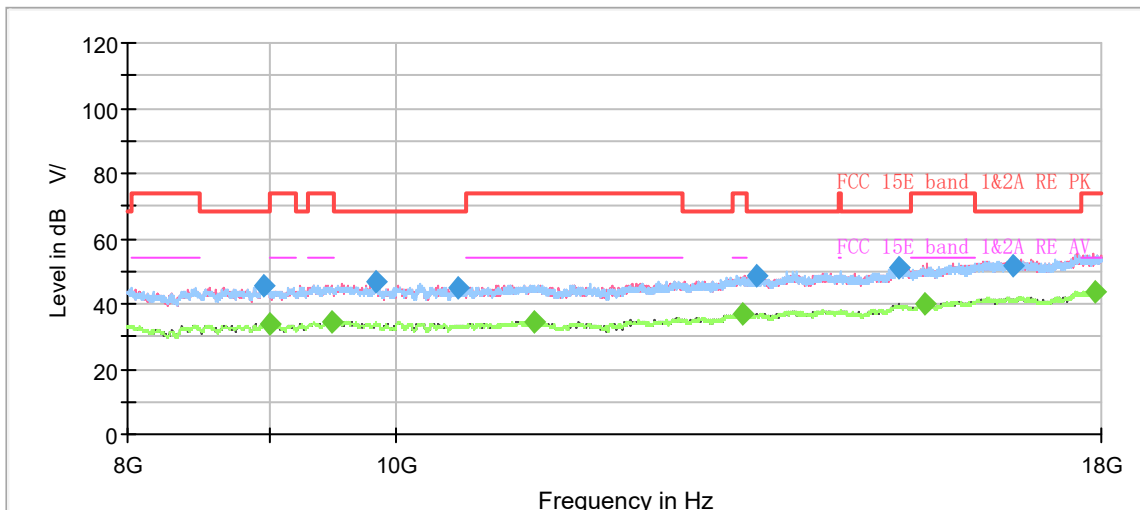
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT20) CH36



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



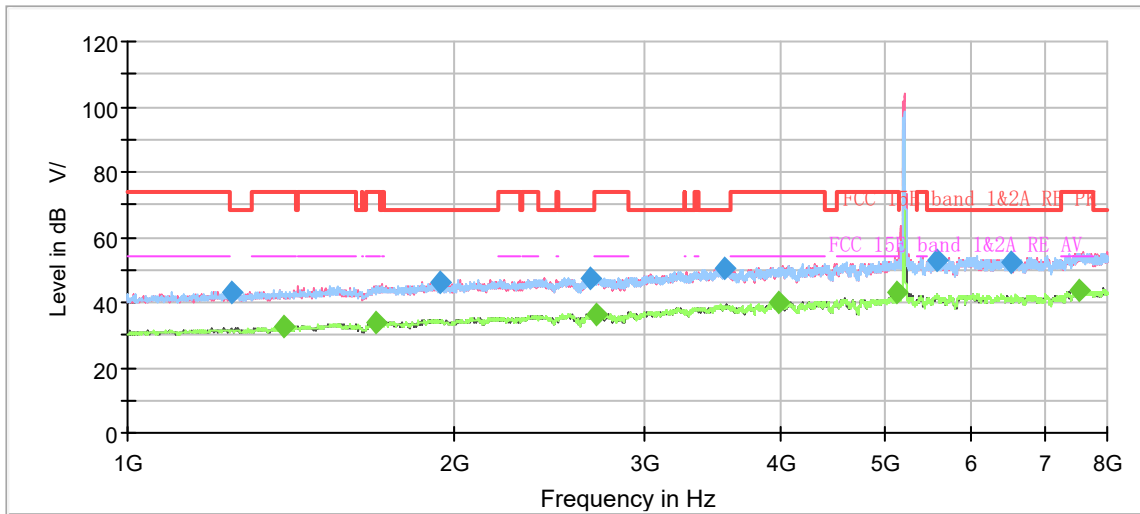
Radiates Emission from 8GHz to 18GHz

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)
1245.875000	43.85	---	68.20	24.35	500.0	200.0	H	26.0	-7.2
1358.750000	---	32.34	54.00	21.66	500.0	100.0	V	289.0	-6.5
1689.500000	---	33.79	54.00	20.21	500.0	100.0	H	18.0	-4.6
1935.375000	45.92	---	68.20	22.28	500.0	100.0	H	88.0	-3.3
2654.625000	48.04	---	68.20	20.16	500.0	100.0	V	302.0	-0.1
2736.000000	---	36.53	54.00	17.47	500.0	100.0	V	2.0	0.3
3529.625000	50.40	---	68.20	17.80	500.0	200.0	H	340.0	3.7
3926.875000	---	39.73	54.00	14.27	500.0	200.0	H	253.0	4.8
4423.000000	51.60	---	68.20	16.60	500.0	200.0	V	33.0	6.4
4747.625000	---	40.33	54.00	13.67	500.0	100.0	V	296.0	6.8
6545.750000	52.01	---	68.20	16.19	500.0	200.0	H	75.0	9.2
7515.250000	---	44.10	54.00	9.90	500.0	100.0	V	357.0	10.8

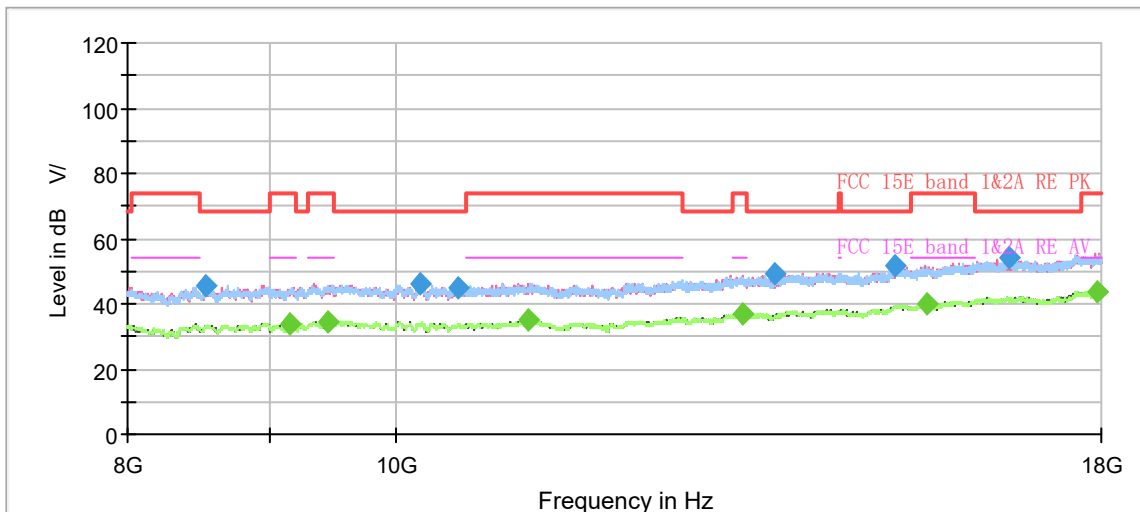
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT20) CH40



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



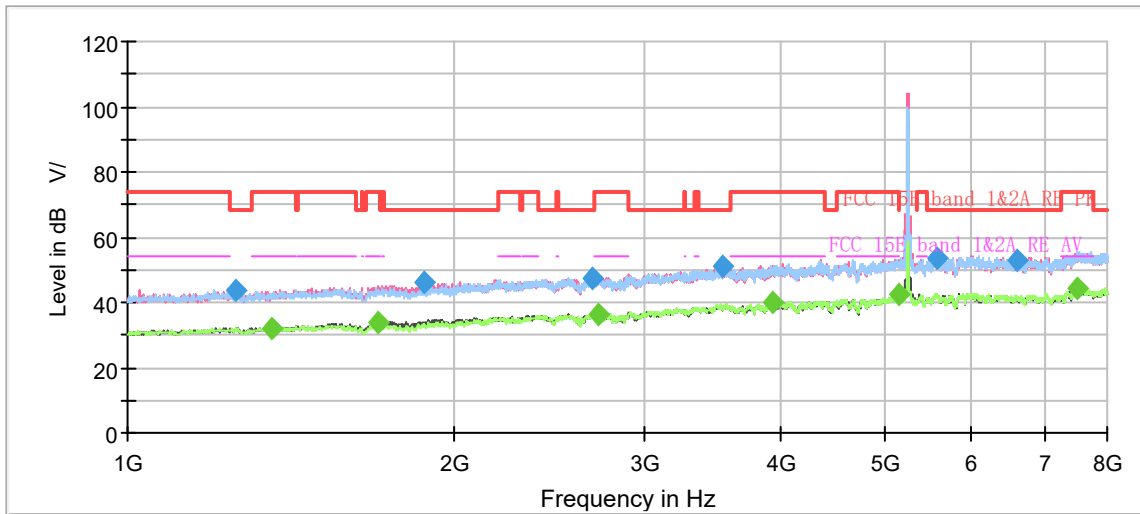
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1245.875000	43.04	---	68.20	25.16	500.0	100.0	H	117.0	-7.2
1392.875000	---	32.44	54.00	21.56	500.0	100.0	H	216.0	-6.2
1697.375000	---	33.62	54.00	20.38	500.0	200.0	V	209.0	-4.5
1940.625000	46.08	---	68.20	22.12	500.0	100.0	V	347.0	-3.2
2673.000000	47.53	---	68.20	20.67	500.0	200.0	H	313.0	0.0
2704.500000	---	36.24	54.00	17.76	500.0	200.0	H	0.0	0.1
3548.000000	50.36	---	68.20	17.84	500.0	100.0	V	0.0	3.8
3986.375000	---	39.71	54.00	14.29	500.0	200.0	V	256.0	5.1
5119.500000	---	42.79	54.00	11.21	500.0	200.0	V	139.0	7.6
5575.375000	53.22	---	68.20	14.98	500.0	100.0	V	298.0	8.8
6535.250000	52.60	---	68.20	15.60	500.0	200.0	V	236.0	9.1
7524.875000	---	43.97	54.00	10.03	500.0	200.0	V	103.0	10.9

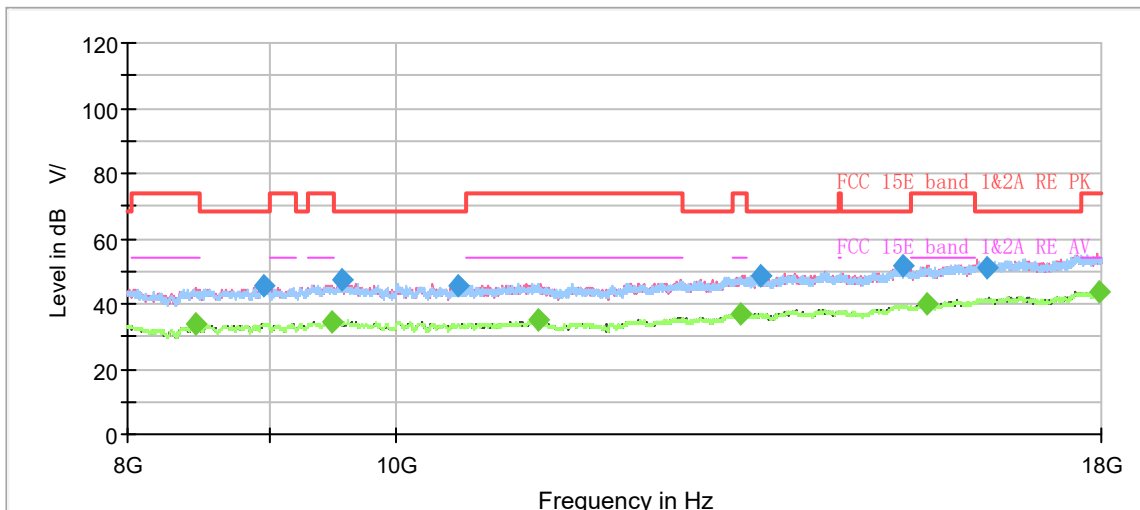
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT20) CH48



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



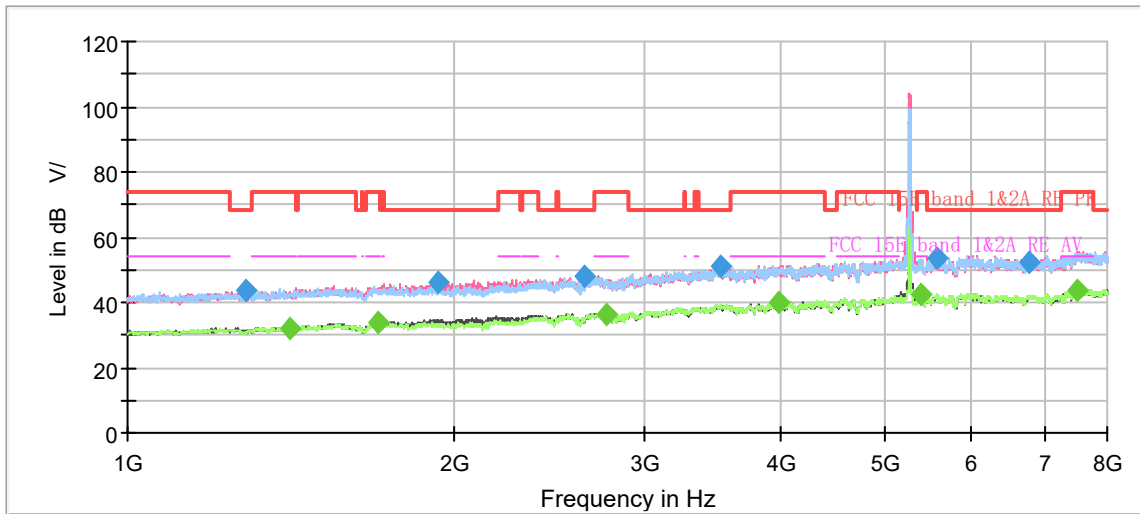
Radiates Emission from 8GHz to 18GHz

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)
1256.375000	43.70	---	68.20	24.50	500.0	200.0	V	152.0	-7.1
1359.625000	---	32.29	54.00	21.71	500.0	200.0	H	218.0	-6.5
1701.750000	---	33.76	54.00	20.24	500.0	200.0	V	263.0	-4.5
1880.250000	45.85	---	68.20	22.35	500.0	100.0	V	323.0	-3.6
2681.750000	47.21	---	68.20	20.99	500.0	200.0	H	96.0	0.0
2716.750000	---	36.56	54.00	17.44	500.0	100.0	H	97.0	0.2
3529.625000	51.33	---	68.20	16.87	500.0	100.0	H	0.0	3.7
3934.750000	---	39.80	54.00	14.20	500.0	100.0	H	6.0	4.9
5149.250000	---	42.41	54.00	11.59	500.0	200.0	V	125.0	7.7
5583.250000	53.27	---	68.20	14.93	500.0	200.0	H	343.0	8.8
6614.000000	52.83	---	68.20	15.37	500.0	200.0	H	4.0	9.2
7517.000000	---	44.09	54.00	9.91	500.0	200.0	H	149.0	10.8

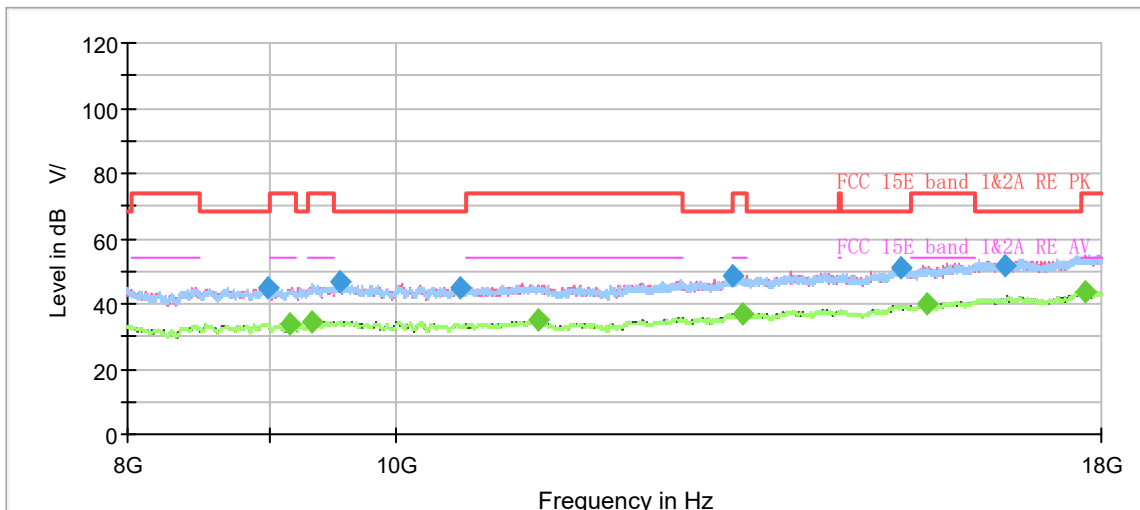
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT20) CH52



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



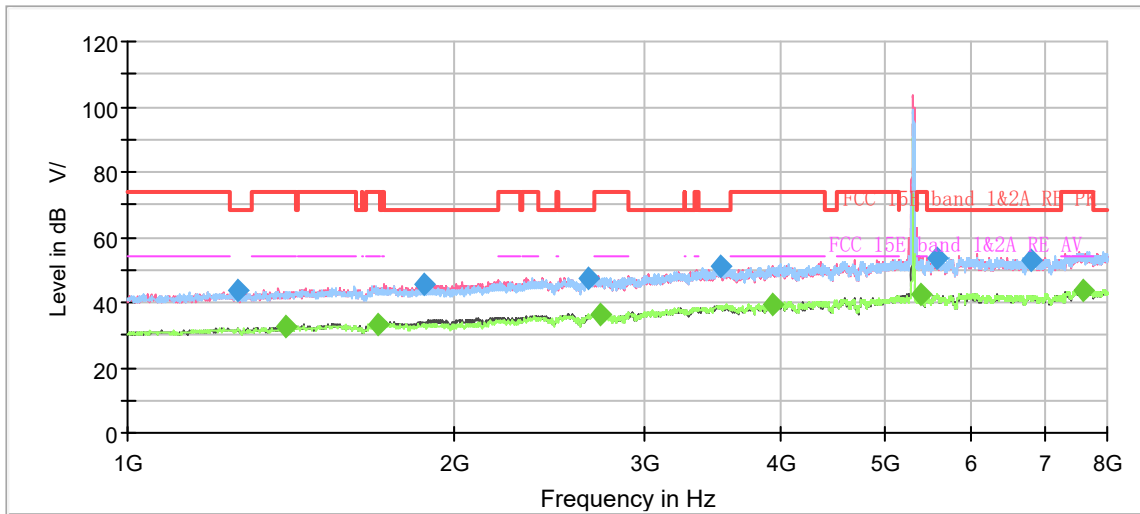
Radiates Emission from 8GHz to 18GHz

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)
1287.000000	43.63	---	68.20	24.57	500.0	200.0	V	307.0	-6.9
1413.875000	---	32.23	54.00	21.77	500.0	200.0	V	153.0	-6.1
1701.750000	---	33.86	54.00	20.14	500.0	200.0	V	36.0	-4.5
1935.375000	46.14	---	68.20	22.06	500.0	200.0	V	189.0	-3.3
2640.625000	47.71	---	68.20	20.49	500.0	200.0	V	84.0	-0.1
2759.625000	---	36.43	54.00	17.57	500.0	100.0	V	172.0	0.3
3521.750000	50.78	---	68.20	17.42	500.0	100.0	H	151.0	3.7
3986.375000	---	39.74	54.00	14.26	500.0	100.0	H	217.0	5.1
5375.875000	---	42.25	54.00	11.75	500.0	200.0	V	23.0	8.5
5579.750000	53.81	---	68.20	14.39	500.0	200.0	V	195.0	8.8
6769.750000	52.28	---	68.20	15.92	500.0	100.0	V	78.0	9.2
7511.750000	---	43.95	54.00	10.05	500.0	100.0	H	210.0	10.8

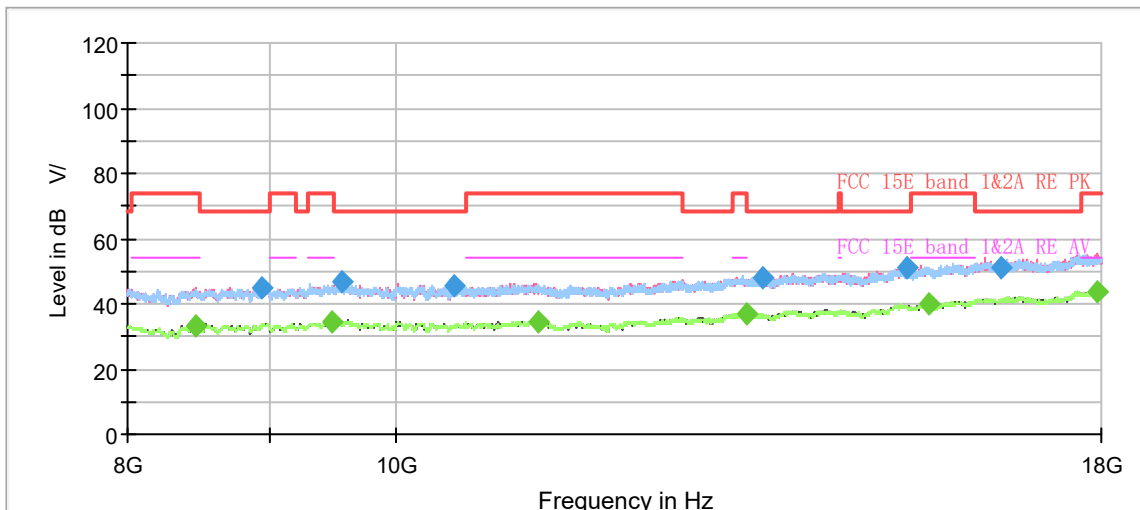
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit - MAX Peak/ Average

802.11n (HT20) CH60



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



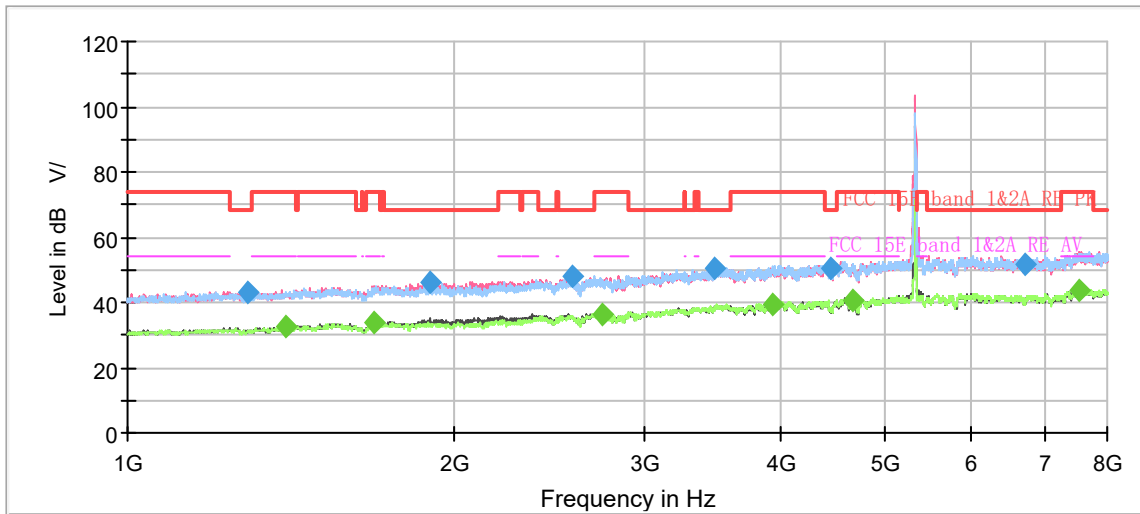
Radiates Emission from 8GHz to 18GHz

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)
1261.625000	43.48	---	68.20	24.72	500.0	100.0	H	80.0	-7.1
1399.875000	---	32.38	54.00	21.62	500.0	100.0	H	65.0	-6.2
1703.500000	---	33.53	54.00	20.47	500.0	200.0	V	99.0	-4.5
1879.375000	45.57	---	68.20	22.63	500.0	100.0	V	33.0	-3.6
2664.250000	47.41	---	68.20	20.79	500.0	100.0	H	44.0	-0.1
2732.500000	---	36.28	54.00	17.72	500.0	100.0	H	73.0	0.2
3523.500000	50.96	---	68.20	17.24	500.0	200.0	H	208.0	3.7
3933.000000	---	39.63	54.00	14.37	500.0	100.0	H	196.0	4.9
5378.500000	---	42.59	54.00	11.41	500.0	100.0	V	148.0	8.5
5577.125000	53.64	---	68.20	14.56	500.0	200.0	H	0.0	8.8
6817.875000	53.15	---	68.20	15.05	500.0	200.0	V	188.0	9.2
7610.625000	---	43.94	54.00	10.06	500.0	200.0	H	263.0	10.9

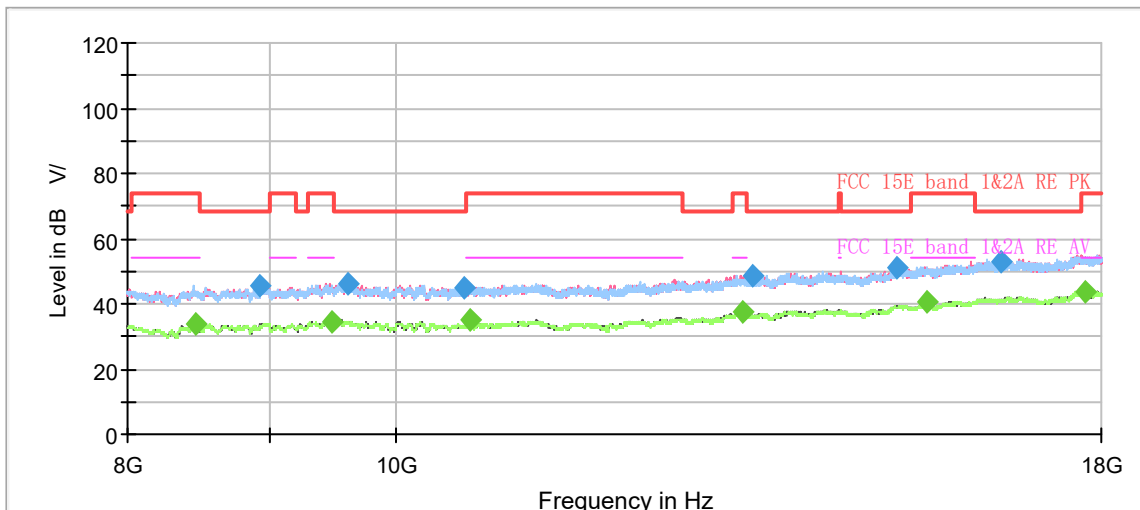
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT20) CH64



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



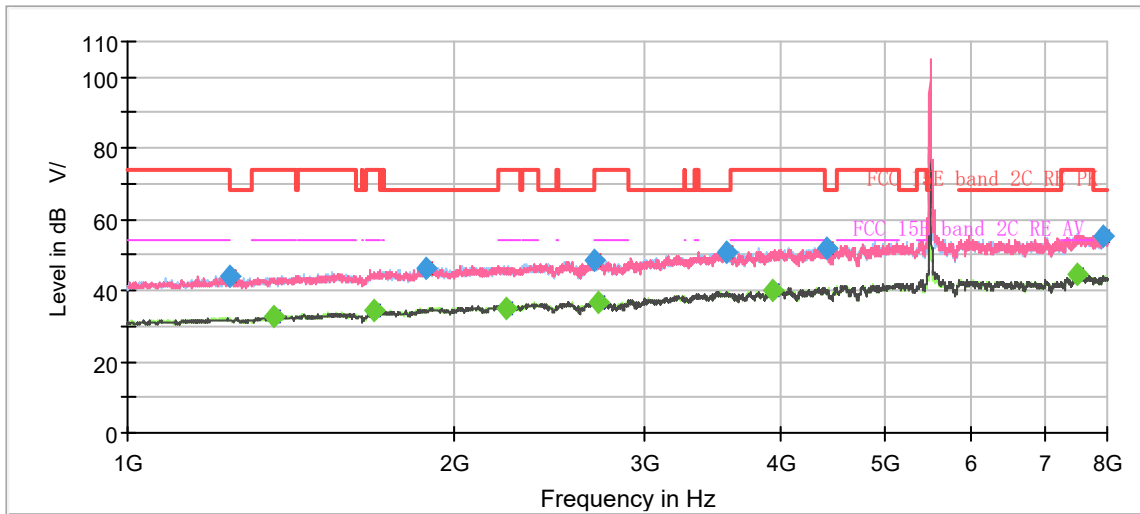
Radiates Emission from 8GHz to 18GHz

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)
1290.500000	42.88	---	68.20	25.32	500.0	100.0	V	317.0	-6.9
1399.000000	---	32.62	54.00	21.38	500.0	100.0	V	211.0	-6.2
1687.750000	---	33.91	54.00	20.09	500.0	100.0	V	0.0	-4.6
1900.375000	46.20	---	68.20	22.00	500.0	100.0	V	6.0	-3.5
2569.750000	48.00	---	68.20	20.20	500.0	100.0	V	195.0	-0.3
2735.125000	---	36.26	54.00	17.74	500.0	200.0	V	201.0	0.3
3472.750000	50.43	---	68.20	17.77	500.0	100.0	H	87.0	3.5
3931.250000	---	39.65	54.00	14.35	500.0	100.0	H	14.0	4.9
4451.000000	50.18	---	68.20	18.02	500.0	100.0	V	0.0	6.5
4662.750000	---	40.41	54.00	13.59	500.0	100.0	H	121.0	6.6
6714.625000	51.86	---	68.20	16.34	500.0	100.0	V	263.0	9.3
7529.250000	---	43.93	54.00	10.07	500.0	100.0	H	354.0	10.9

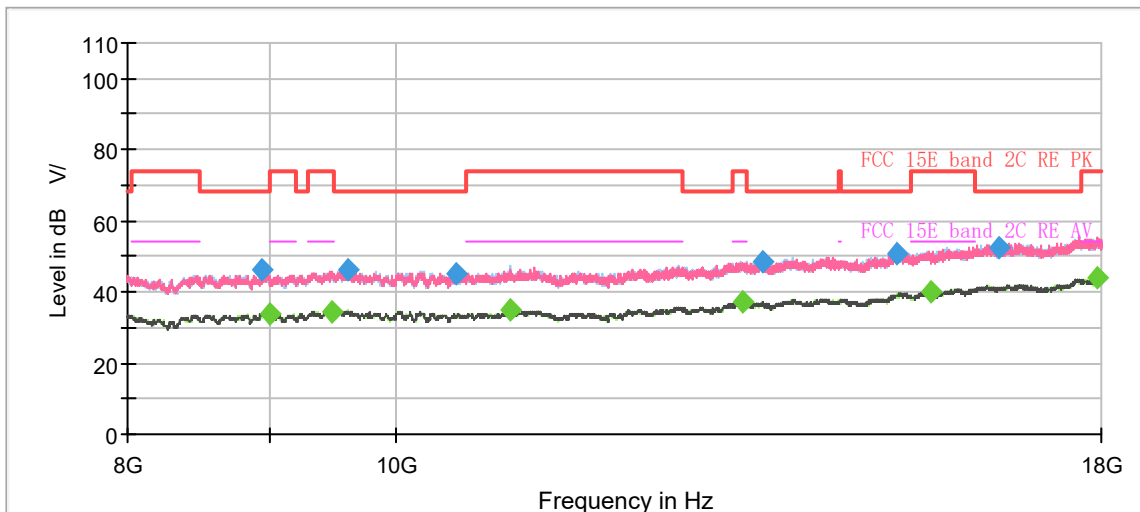
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT20) CH100



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



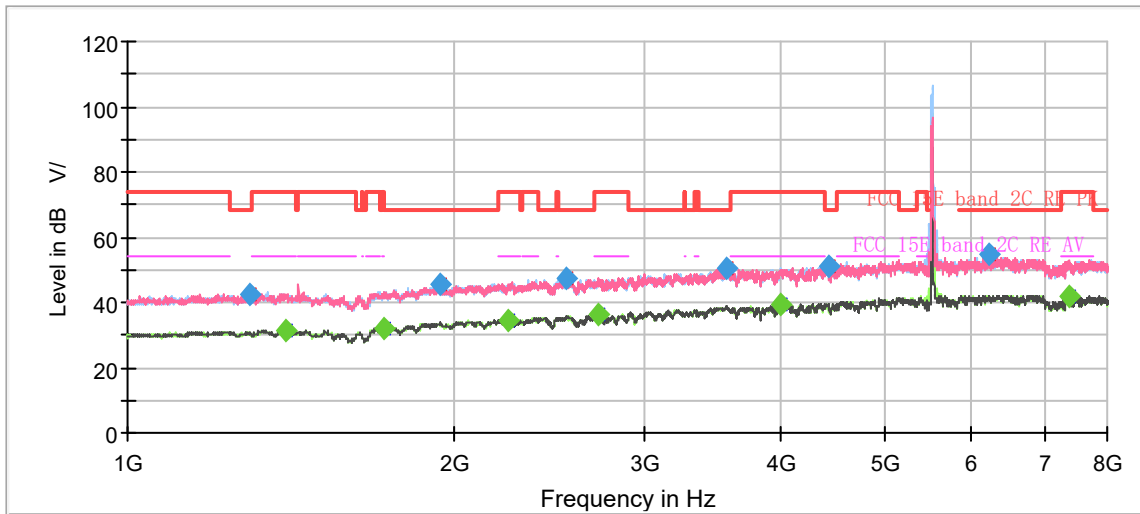
Radiates Emission from 8GHz to 18GHz

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)
1243.250000	43.87	---	68.20	24.33	500.0	100.0	H	52.0	-7.2
1365.750000	---	32.72	54.00	21.28	500.0	100.0	V	160.0	-6.4
1686.875000	---	34.22	54.00	19.78	500.0	100.0	V	231.0	-4.6
1881.125000	46.37	---	68.20	21.83	500.0	100.0	V	155.0	-3.6
2238.125000	---	35.09	54.00	18.91	500.0	100.0	H	341.0	-1.9
2688.750000	48.27	---	68.20	19.93	500.0	100.0	V	207.0	0.0
2721.125000	---	36.70	54.00	17.30	500.0	200.0	V	315.0	0.2
3566.375000	50.87	---	68.20	17.33	500.0	200.0	H	277.0	3.9
3931.250000	---	39.97	54.00	14.03	500.0	200.0	V	213.0	4.9
4414.250000	51.67	---	68.20	16.53	500.0	200.0	V	276.0	6.4
7518.750000	---	44.39	54.00	9.61	500.0	100.0	V	54.0	10.8
7916.875000	55.55	---	68.20	12.65	500.0	100.0	H	66.0	10.8

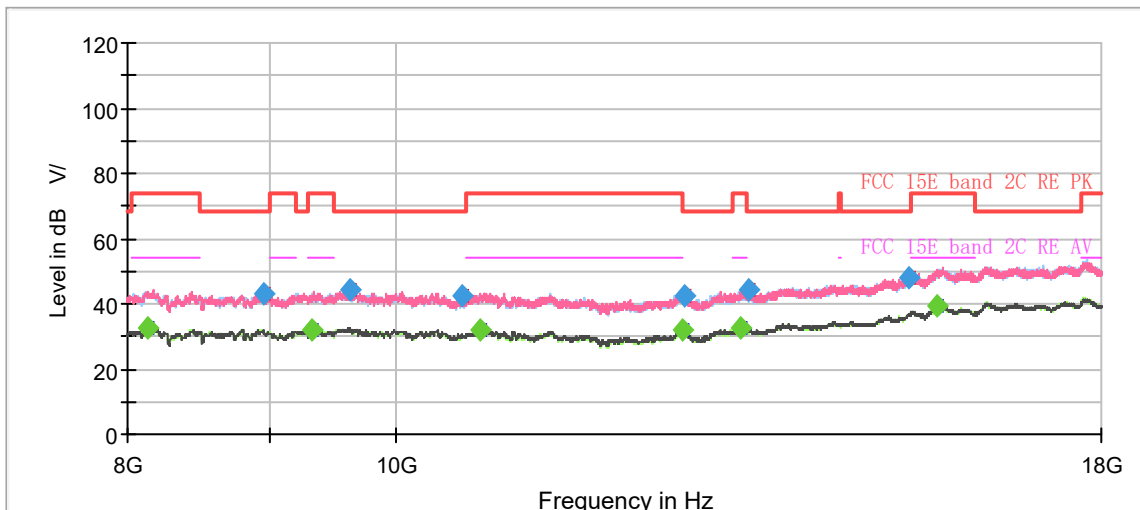
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT20) CH104



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



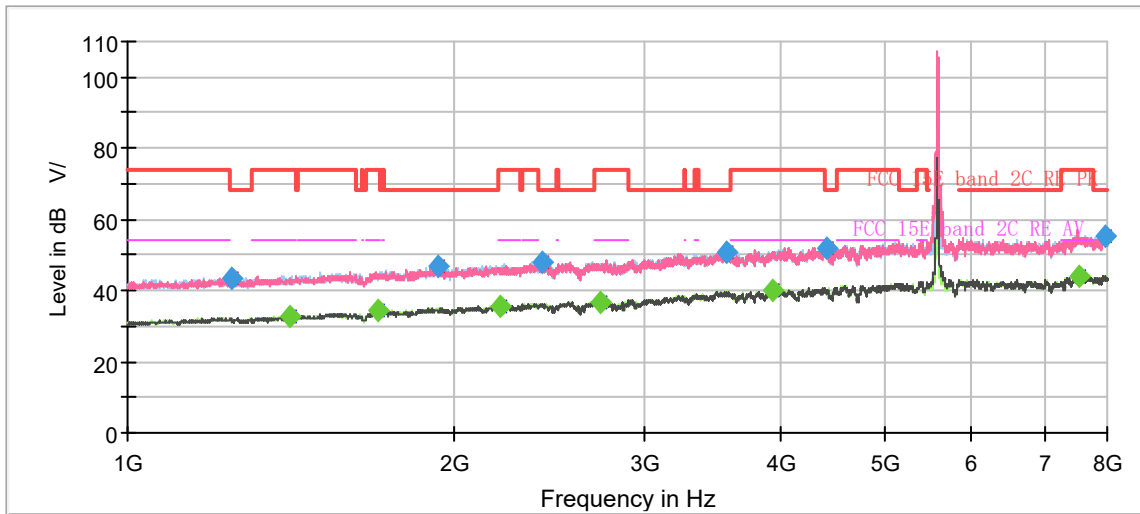
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1296.625000	42.56	---	68.20	25.64	500.0	100.0	H	269.0	-6.9
1396.375000	---	31.27	54.00	22.73	500.0	200.0	H	259.0	-6.2
1720.125000	---	32.06	54.00	21.94	500.0	200.0	H	49.0	-4.4
1939.750000	45.26	---	68.20	22.94	500.0	200.0	V	263.0	-3.2
2246.875000	---	34.35	54.00	19.65	500.0	100.0	V	49.0	-1.9
2542.625000	47.17	---	68.20	21.03	500.0	200.0	V	228.0	-0.4
2722.000000	---	36.04	54.00	17.96	500.0	200.0	H	187.0	0.2
3571.625000	50.46	---	68.20	17.74	500.0	100.0	V	163.0	3.9
3999.500000	---	39.36	54.00	14.64	500.0	200.0	V	97.0	5.1
4429.125000	50.89	---	68.20	17.31	500.0	100.0	V	64.0	6.4
6224.625000	54.96	---	68.20	13.24	500.0	100.0	V	153.0	9.0
7381.375000	---	41.63	54.00	12.37	500.0	100.0	V	359.0	10.5

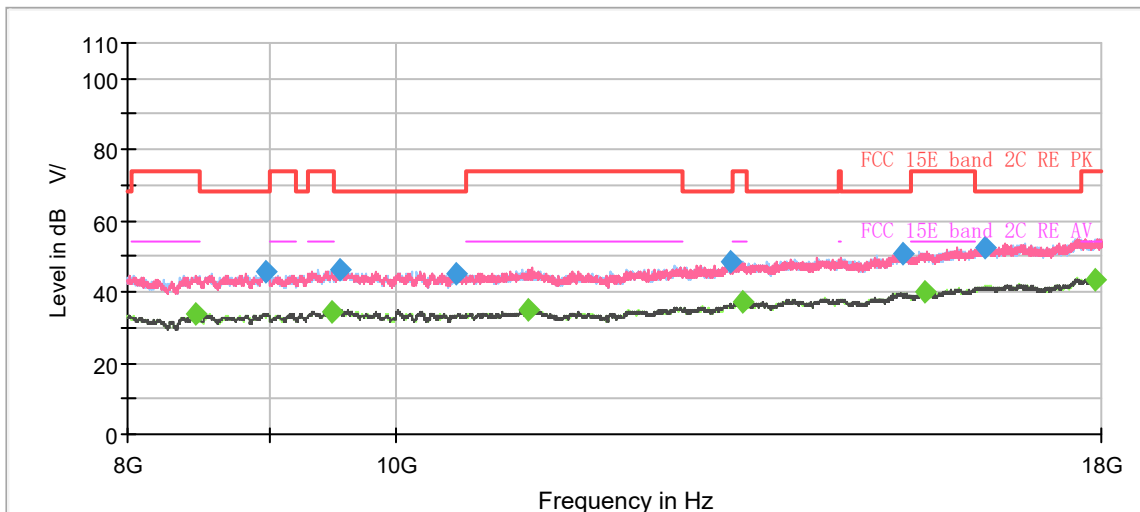
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT20) CH116



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



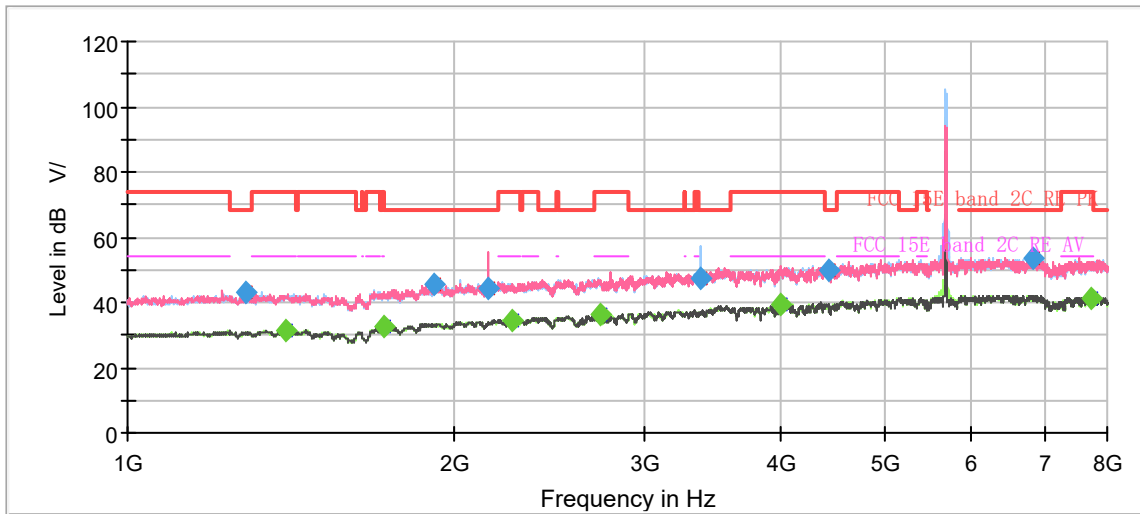
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1247.625000	43.26	---	68.20	24.94	500.0	200.0	H	0.0	-7.2
1413.875000	---	32.67	54.00	21.33	500.0	200.0	H	310.0	-6.1
1701.750000	---	34.20	54.00	19.80	500.0	200.0	H	202.0	-4.5
1931.875000	46.94	---	68.20	21.26	500.0	200.0	H	185.0	-3.3
2208.375000	---	35.66	54.00	18.34	500.0	100.0	V	0.0	-2.0
2413.125000	48.05	---	68.20	20.15	500.0	100.0	V	273.0	-1.1
2723.750000	---	36.72	54.00	17.28	500.0	100.0	H	284.0	0.2
3567.250000	50.76	---	68.20	17.44	500.0	200.0	V	224.0	3.9
3932.125000	---	39.96	54.00	14.04	500.0	200.0	H	207.0	4.9
4409.000000	52.10	---	68.20	16.10	500.0	200.0	H	339.0	6.3
7524.000000	---	44.25	54.00	9.75	500.0	200.0	H	273.0	10.9
7952.750000	55.56	---	68.20	12.64	500.0	100.0	V	75.0	10.7

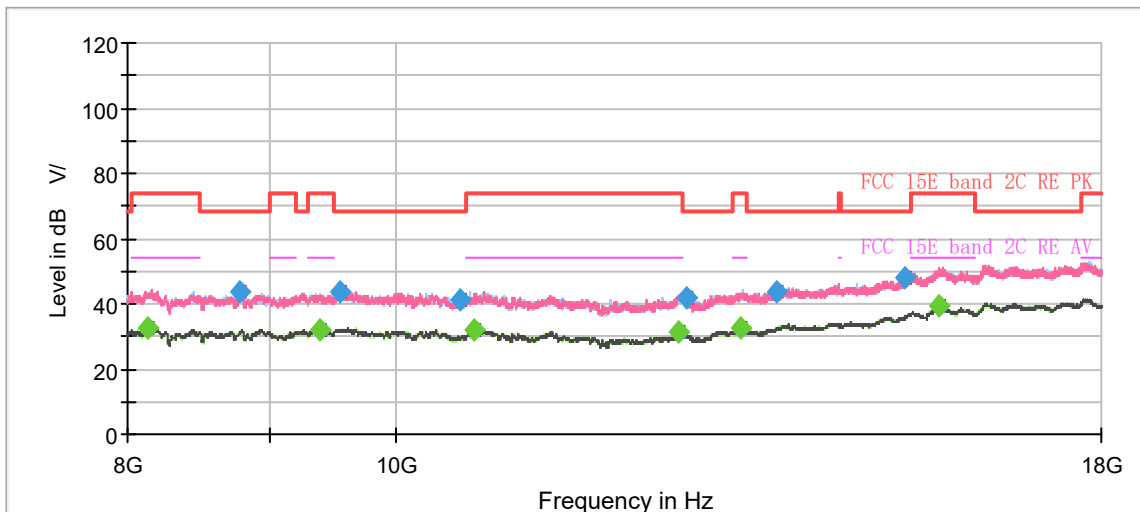
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT20) CH136



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



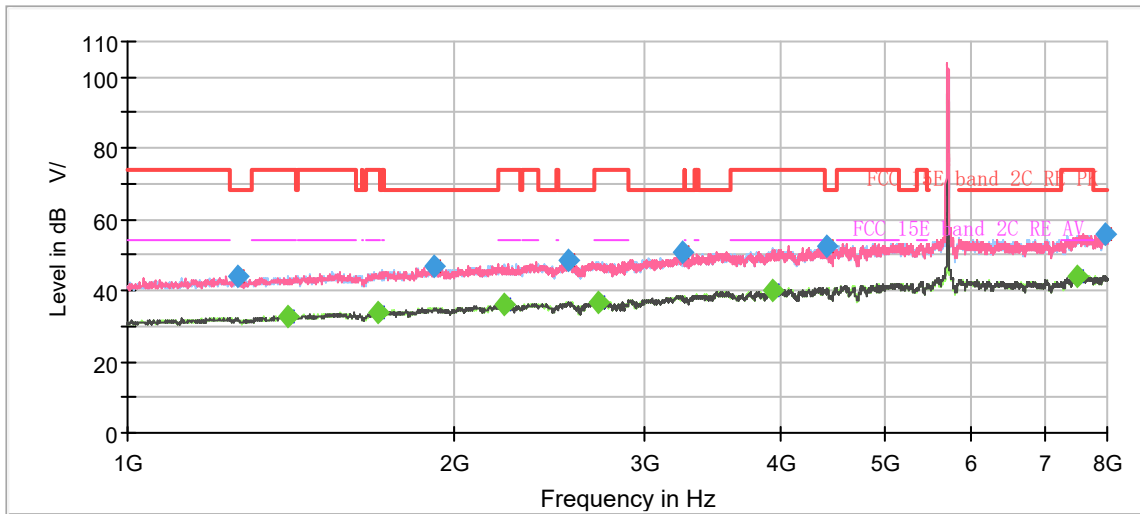
Radiates Emission from 8GHz to 18GHz

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)
1285.250000	42.83	---	68.20	25.37	500.0	200.0	H	299.0	-7.0
1397.250000	---	31.52	54.00	22.48	500.0	100.0	H	217.0	-6.2
1721.875000	---	32.32	54.00	21.68	500.0	100.0	H	16.0	-4.4
1916.125000	45.66	---	68.20	22.54	500.0	100.0	H	207.0	-3.4
2147.125000	44.08	---	68.20	24.12	500.0	200.0	H	223.0	-2.2
2258.250000	---	34.72	54.00	19.28	500.0	100.0	H	167.0	-1.8
2723.750000	---	36.01	54.00	17.99	500.0	200.0	V	0.0	0.2
3378.250000	47.10	---	68.20	21.10	500.0	100.0	H	182.0	2.8
3997.750000	---	39.42	54.00	14.58	500.0	200.0	V	200.0	5.1
4422.125000	49.75	---	68.20	18.45	500.0	100.0	H	340.0	6.4
6845.000000	53.84	---	68.20	14.36	500.0	100.0	V	62.0	9.2
7726.125000	---	41.40	54.00	12.60	500.0	100.0	V	71.0	11.0

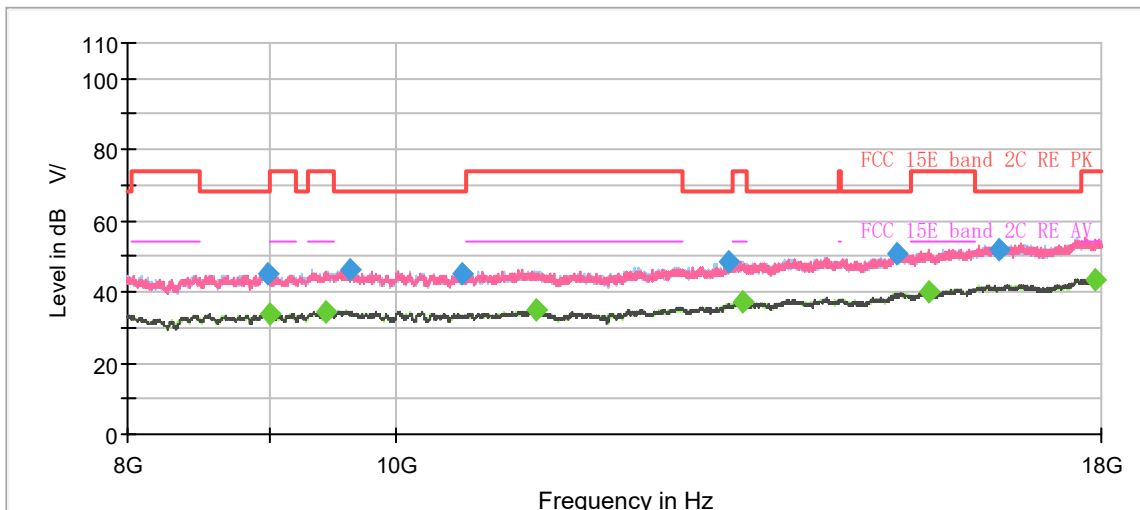
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT20) CH140



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



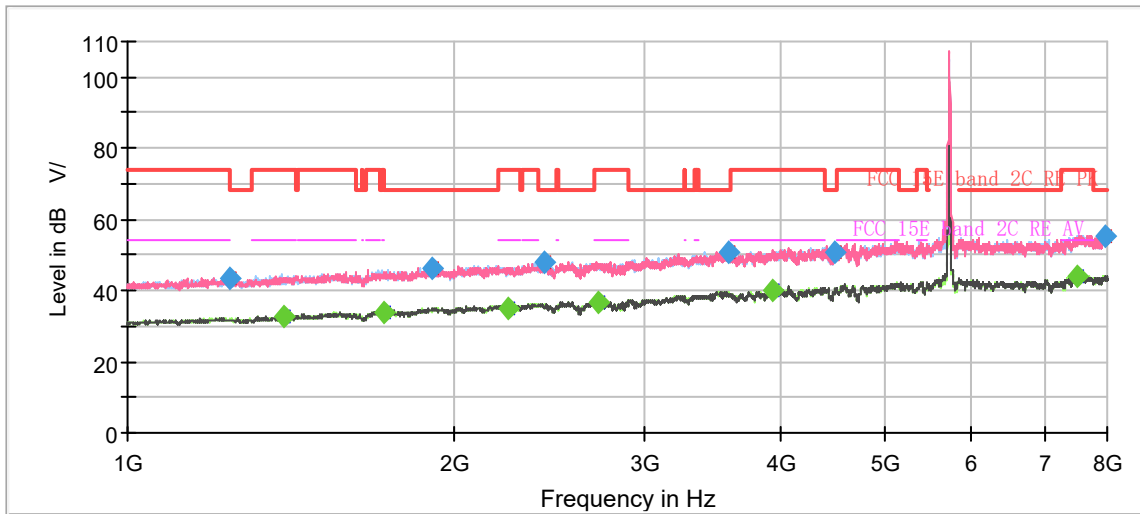
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1261.625000	44.00	---	68.20	24.20	500.0	100.0	V	240.0	-7.1
1406.875000	---	32.86	54.00	21.14	500.0	100.0	H	48.0	-6.2
1700.875000	---	33.99	54.00	20.01	500.0	200.0	H	268.0	-4.5
1920.500000	46.58	---	68.20	21.62	500.0	200.0	V	122.0	-3.3
2221.500000	---	35.87	54.00	18.13	500.0	200.0	V	57.0	-2.0
2543.500000	48.70	---	68.20	19.50	500.0	200.0	H	183.0	-0.4
2722.000000	---	36.67	54.00	17.33	500.0	200.0	V	24.0	0.2
3253.125000	50.87	---	68.20	17.33	500.0	200.0	V	5.0	2.3
3929.500000	---	40.29	54.00	13.71	500.0	100.0	H	131.0	4.9
4415.125000	52.28	---	68.20	15.92	500.0	100.0	V	254.0	6.4
7521.375000	---	44.14	54.00	9.86	500.0	200.0	V	98.0	10.9
7957.125000	55.58	---	68.20	12.62	500.0	200.0	V	192.0	10.7

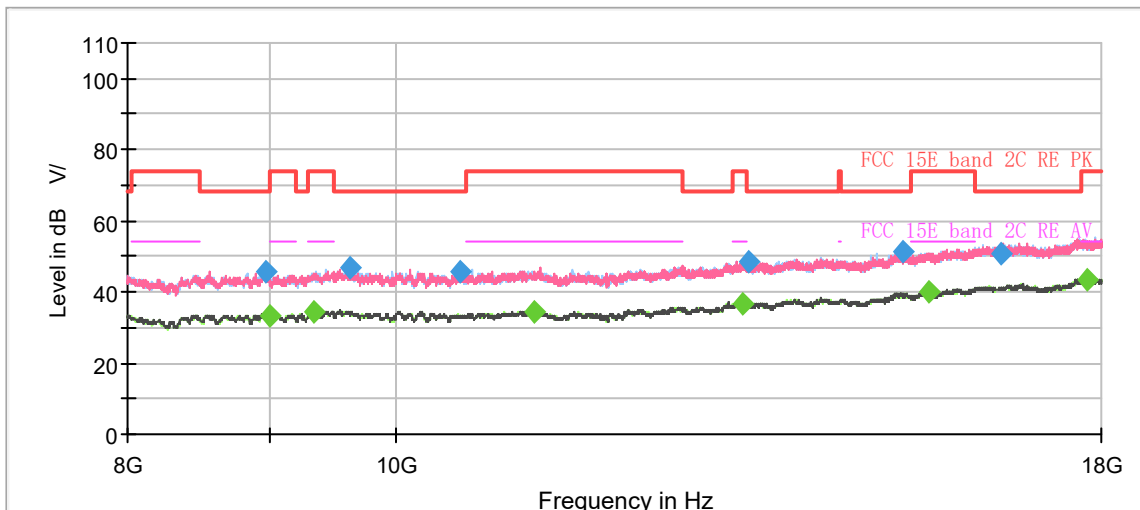
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT20) CH144



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



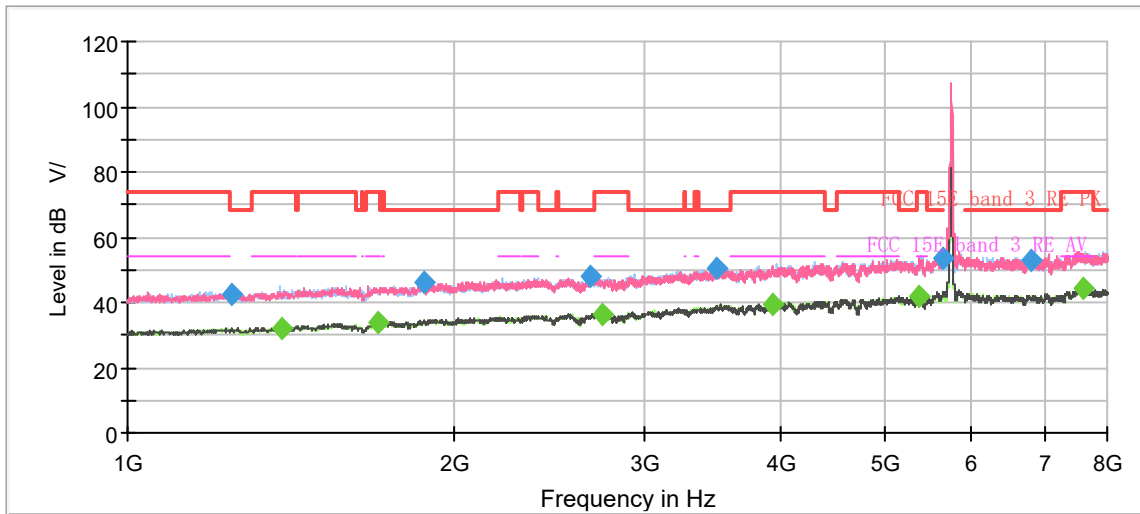
Radiates Emission from 8GHz to 18GHz

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)
1240.625000	43.45	---	68.20	24.75	500.0	100.0	H	10.0	-7.2
1395.500000	---	32.99	54.00	21.01	500.0	100.0	H	14.0	-6.2
1720.125000	---	34.11	54.00	19.89	500.0	100.0	H	53.0	-4.4
1908.250000	46.52	---	68.20	21.68	500.0	200.0	V	289.0	-3.4
2241.625000	---	35.19	54.00	18.81	500.0	200.0	H	148.0	-1.9
2426.250000	47.82	---	68.20	20.38	500.0	100.0	H	186.0	-1.0
2711.500000	---	36.86	54.00	17.14	500.0	100.0	V	210.0	0.1
3577.750000	50.87	---	68.20	17.33	500.0	200.0	V	204.0	3.9
3936.500000	---	40.26	54.00	13.74	500.0	100.0	H	186.0	4.9
4484.250000	50.86	---	68.20	17.34	500.0	200.0	H	242.0	6.6
7519.625000	---	44.20	54.00	9.80	500.0	200.0	H	181.0	10.8
7950.125000	55.38	---	68.20	12.82	500.0	100.0	H	24.0	10.7

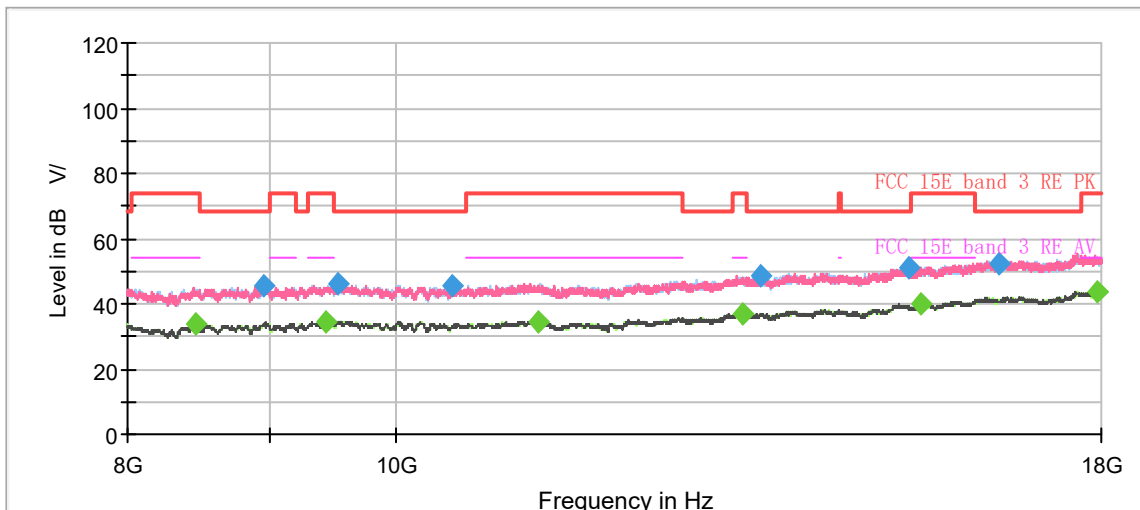
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT20) CH149



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



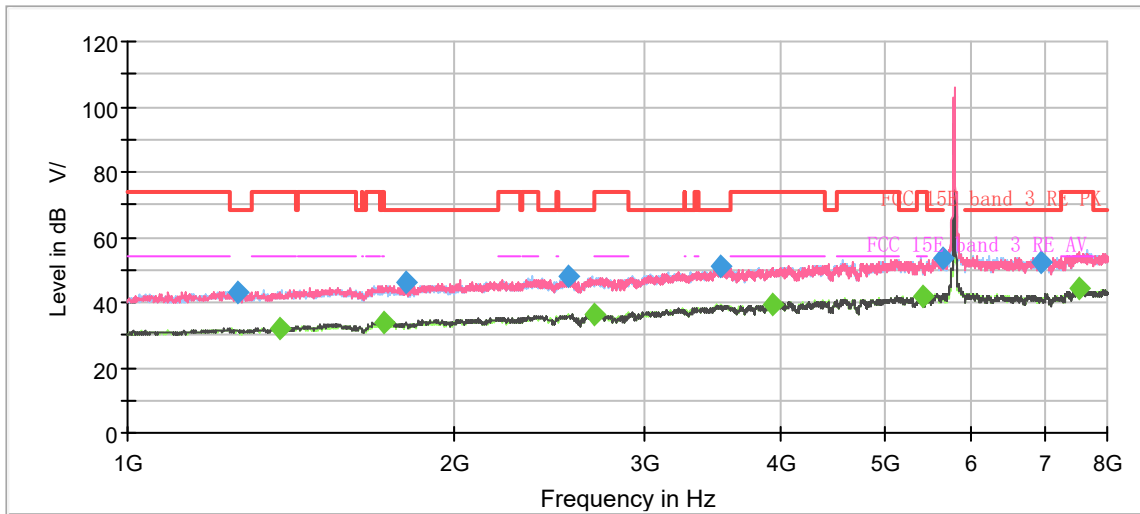
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1246.750000	42.73	---	68.20	25.47	500.0	100.0	H	346.0	-7.2
1385.875000	---	32.30	54.00	21.70	500.0	200.0	H	188.0	-6.3
1702.625000	---	33.73	54.00	20.27	500.0	100.0	V	28.0	-4.5
1876.750000	45.98	---	68.20	22.22	500.0	100.0	V	62.0	-3.6
2675.625000	47.81	---	68.20	20.39	500.0	100.0	H	69.0	0.0
2738.625000	---	36.26	54.00	17.74	500.0	100.0	V	154.0	0.3
3491.125000	50.27	---	68.20	17.93	500.0	100.0	H	77.0	3.6
3937.375000	---	39.65	54.00	14.35	500.0	200.0	V	269.0	4.9
5374.125000	---	41.71	54.00	12.29	500.0	100.0	H	112.0	8.5
5642.750000	53.83	---	68.20	14.37	500.0	200.0	V	56.0	8.9
6811.750000	52.90	---	68.20	15.30	500.0	100.0	H	256.0	9.2
7608.000000	---	44.27	54.00	9.73	500.0	200.0	V	242.0	10.9

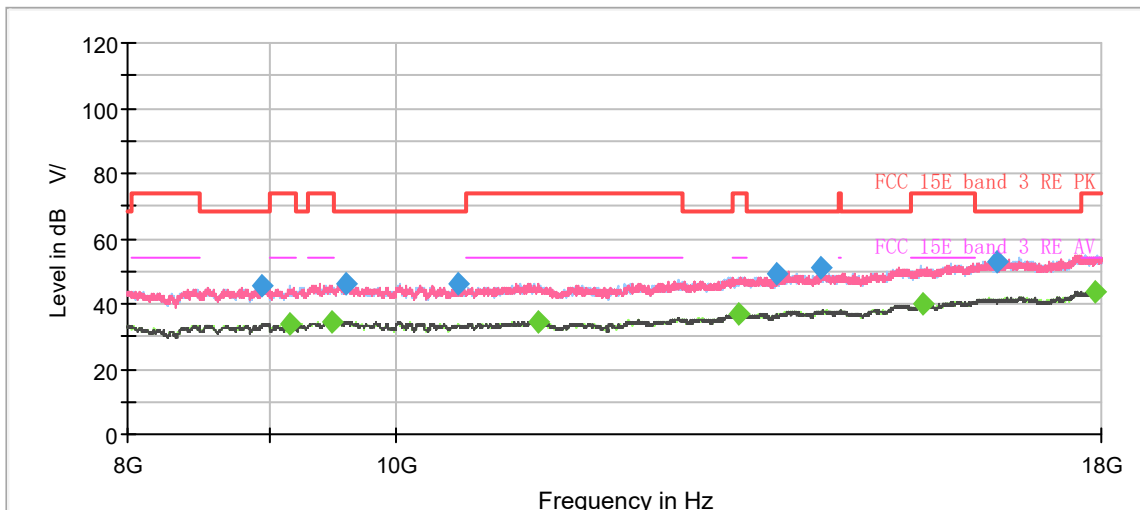
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT20) CH157



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



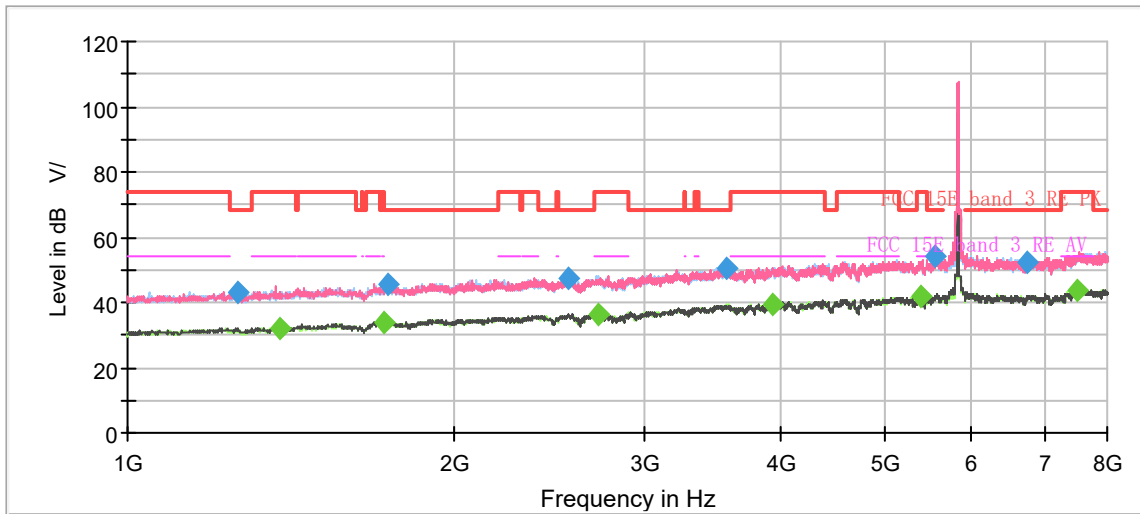
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1262.500000	43.10	---	68.20	25.10	500.0	200.0	H	32.0	-7.1
1379.750000	---	32.15	54.00	21.85	500.0	100.0	H	332.0	-6.3
1721.875000	---	33.75	54.00	20.25	500.0	200.0	V	57.0	-4.4
1808.500000	45.92	---	68.20	22.28	500.0	100.0	V	203.0	-4.0
2546.125000	47.92	---	68.20	20.28	500.0	100.0	V	287.0	-0.4
2698.375000	---	36.42	54.00	17.58	500.0	100.0	V	47.0	0.1
3526.125000	51.35	---	68.20	16.85	500.0	200.0	H	247.0	3.7
3927.750000	---	39.62	54.00	14.38	500.0	100.0	H	271.0	4.8
5401.250000	---	41.68	54.00	12.32	500.0	100.0	H	73.0	8.6
5647.125000	53.69	---	68.20	14.51	500.0	100.0	H	117.0	8.9
6953.500000	52.22	---	68.20	15.98	500.0	100.0	H	0.0	9.1
7550.250000	---	44.02	54.00	9.98	500.0	100.0	H	110.0	10.9

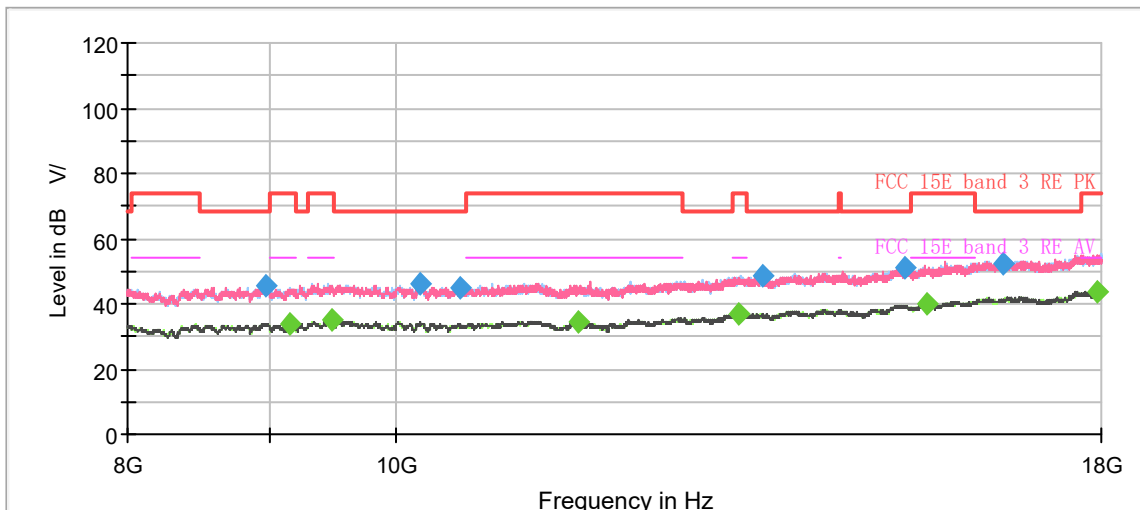
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT20) CH165



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



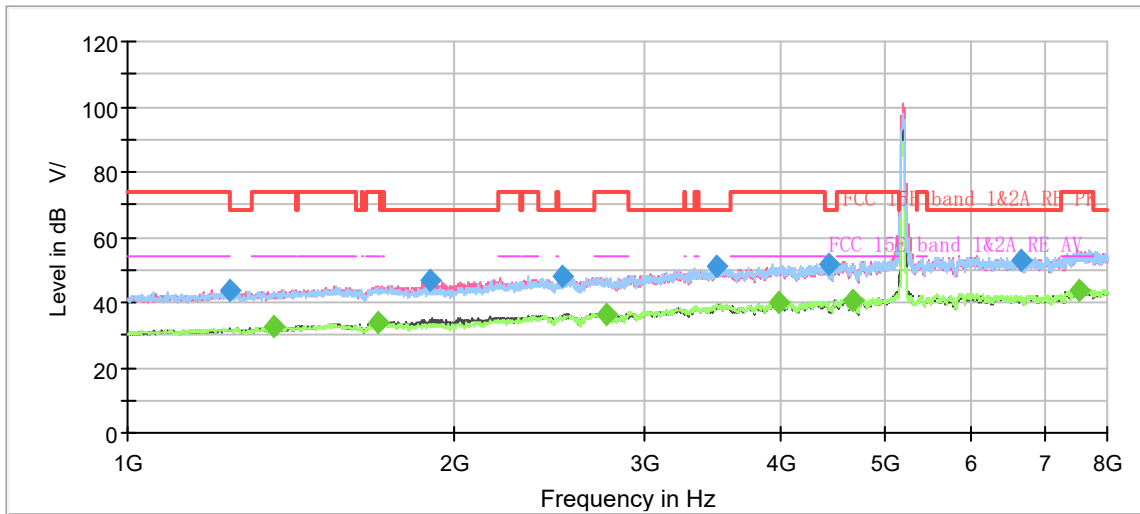
Radiates Emission from 8GHz to 18GHz

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)
1266.000000	43.12	---	68.20	25.08	500.0	200.0	H	347.0	-7.1
1383.250000	---	32.19	54.00	21.81	500.0	200.0	H	356.0	-6.3
1721.000000	---	33.79	54.00	20.21	500.0	200.0	V	268.0	-4.4
1741.125000	45.54	---	68.20	22.66	500.0	200.0	V	275.0	-4.3
2543.500000	47.36	---	68.20	20.84	500.0	200.0	H	4.0	-0.4
2715.875000	---	36.50	54.00	17.50	500.0	200.0	H	149.0	0.2
3564.625000	50.45	---	68.20	17.75	500.0	100.0	H	300.0	3.9
3939.125000	---	39.59	54.00	14.41	500.0	100.0	H	231.0	4.9
5375.875000	---	41.95	54.00	12.05	500.0	200.0	V	190.0	8.5
5557.000000	53.85	---	68.20	14.35	500.0	100.0	H	273.0	8.8
6738.250000	52.08	---	68.20	16.12	500.0	100.0	H	153.0	9.3
7521.375000	---	43.98	54.00	10.02	500.0	200.0	H	236.0	10.9

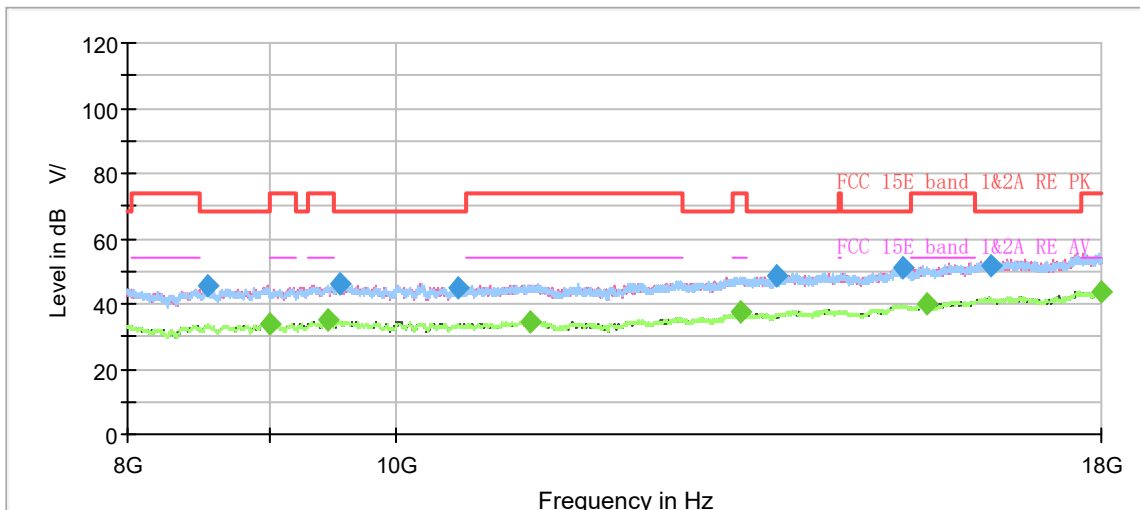
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT40) CH38



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



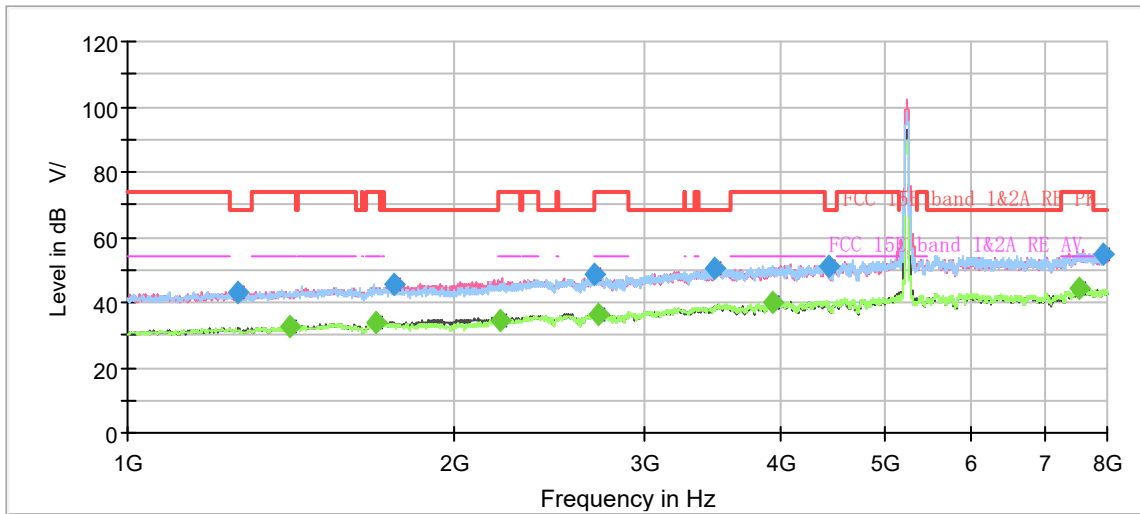
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1241.500000	43.41	---	68.20	24.79	500.0	200.0	H	95.0	-7.2
1364.875000	---	32.48	54.00	21.52	500.0	100.0	V	201.0	-6.4
1700.875000	---	33.86	54.00	20.14	500.0	200.0	V	120.0	-4.5
1898.625000	46.83	---	68.20	21.37	500.0	200.0	V	101.0	-3.5
2518.125000	47.86	---	68.20	20.34	500.0	100.0	H	0.0	-0.5
2763.125000	---	36.45	54.00	17.55	500.0	100.0	H	173.0	0.3
3488.500000	50.78	---	68.20	17.42	500.0	200.0	H	351.0	3.6
3986.375000	---	39.78	54.00	14.22	500.0	100.0	H	183.0	5.1
4426.500000	51.63	---	68.20	16.57	500.0	200.0	H	283.0	6.4
4661.000000	---	40.37	54.00	13.63	500.0	200.0	H	297.0	6.6
6650.750000	52.62	---	68.20	15.58	500.0	200.0	V	299.0	9.2
7523.125000	---	43.96	54.00	10.04	500.0	200.0	H	0.0	10.9

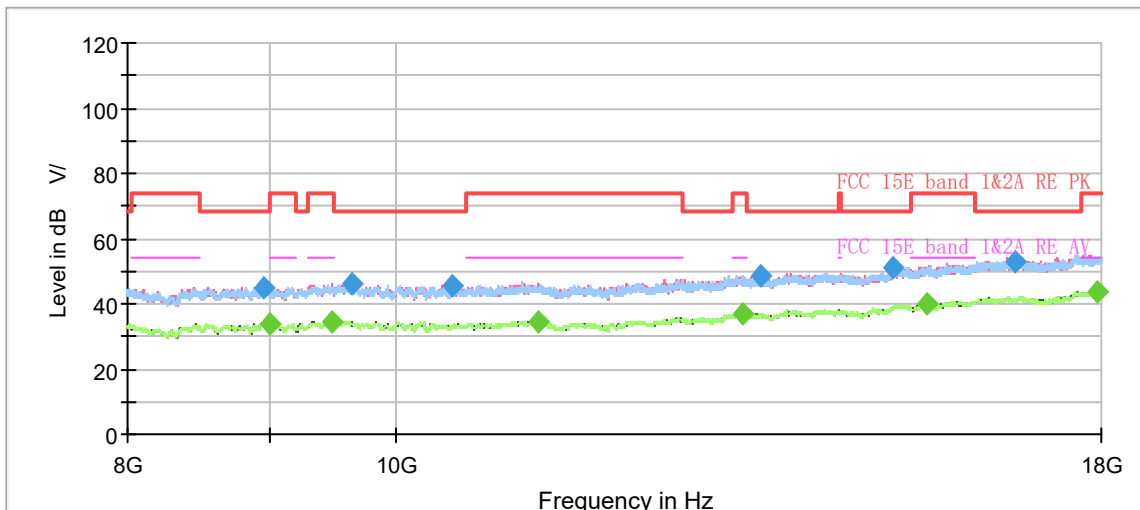
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT40) CH46



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



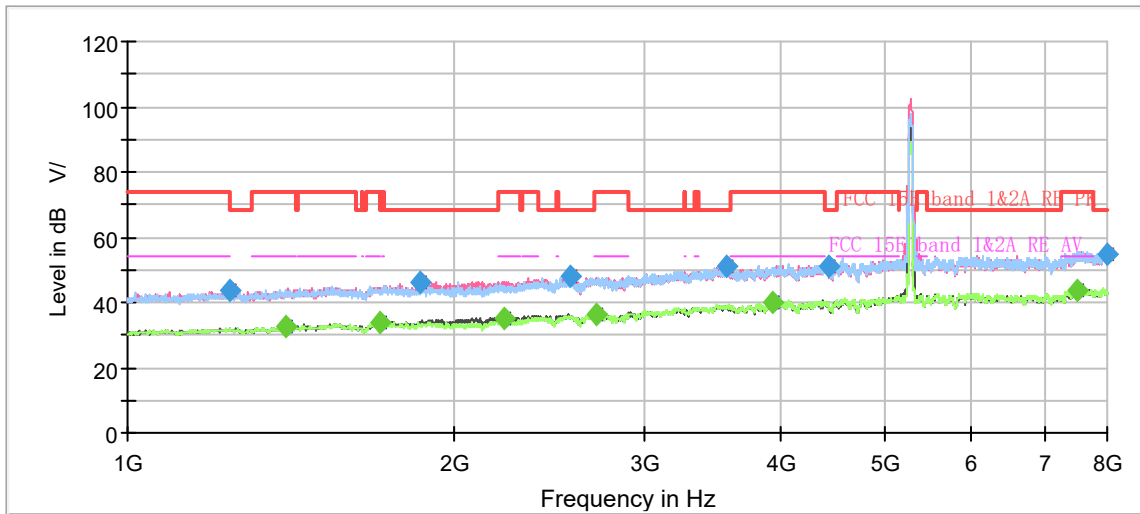
Radiates Emission from 8GHz to 18GHz

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)
1261.625000	43.01	---	68.20	25.19	500.0	200.0	H	175.0	-7.1
1413.000000	---	32.37	54.00	21.63	500.0	200.0	H	193.0	-6.1
1696.500000	---	33.63	54.00	20.37	500.0	100.0	V	206.0	-4.5
1760.375000	45.72	---	68.20	22.48	500.0	100.0	V	317.0	-4.2
2206.625000	---	34.71	54.00	19.29	500.0	100.0	V	343.0	-2.0
2688.750000	48.70	---	68.20	19.50	500.0	200.0	V	84.0	0.0
2714.125000	---	36.53	54.00	17.47	500.0	100.0	V	0.0	0.2
3475.375000	50.62	---	68.20	17.58	500.0	100.0	V	276.0	3.5
3931.250000	---	39.90	54.00	14.10	500.0	200.0	H	145.0	4.9
4424.750000	51.37	---	68.20	16.83	500.0	100.0	H	54.0	6.4
7552.000000	---	44.07	54.00	9.93	500.0	200.0	H	331.0	10.9
7931.750000	54.99	---	68.20	13.21	500.0	200.0	H	244.0	10.8

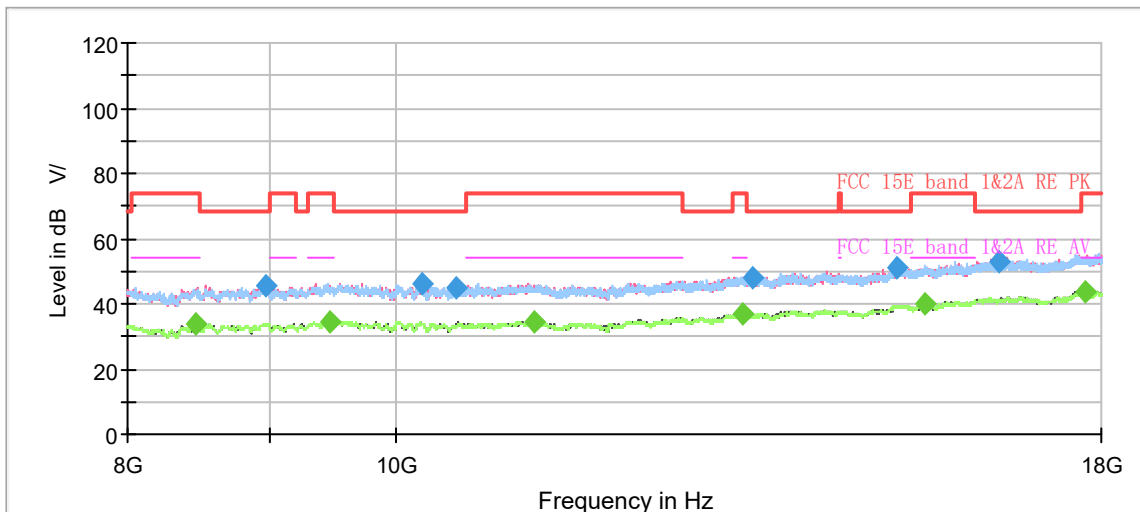
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit - MAX Peak/ Average

802.11n (HT40) CH54



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



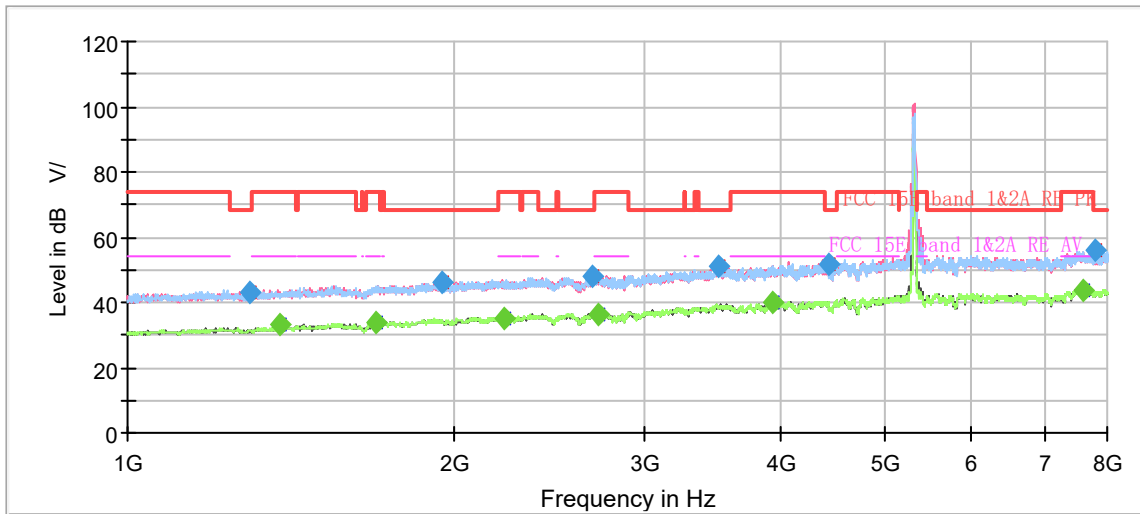
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1242.375000	43.46	---	68.20	24.74	500.0	200.0	V	43.0	-7.2
1399.875000	---	32.50	54.00	21.50	500.0	100.0	H	56.0	-6.2
1706.125000	---	33.73	54.00	20.27	500.0	200.0	V	340.0	-4.5
1858.375000	46.15	---	68.20	22.05	500.0	100.0	V	208.0	-3.7
2223.250000	---	34.80	54.00	19.20	500.0	100.0	V	223.0	-2.0
2554.875000	48.11	---	68.20	20.09	500.0	100.0	V	194.0	-0.4
2708.875000	---	36.46	54.00	17.54	500.0	100.0	V	271.0	0.1
3573.375000	50.98	---	68.20	17.22	500.0	100.0	H	86.0	3.9
3936.500000	---	39.98	54.00	14.02	500.0	100.0	H	143.0	4.9
4429.125000	51.21	---	68.20	16.99	500.0	100.0	H	32.0	6.4
7512.625000	---	43.95	54.00	10.05	500.0	100.0	V	160.0	10.8
7990.375000	55.01	---	68.20	13.19	500.0	200.0	V	328.0	10.6

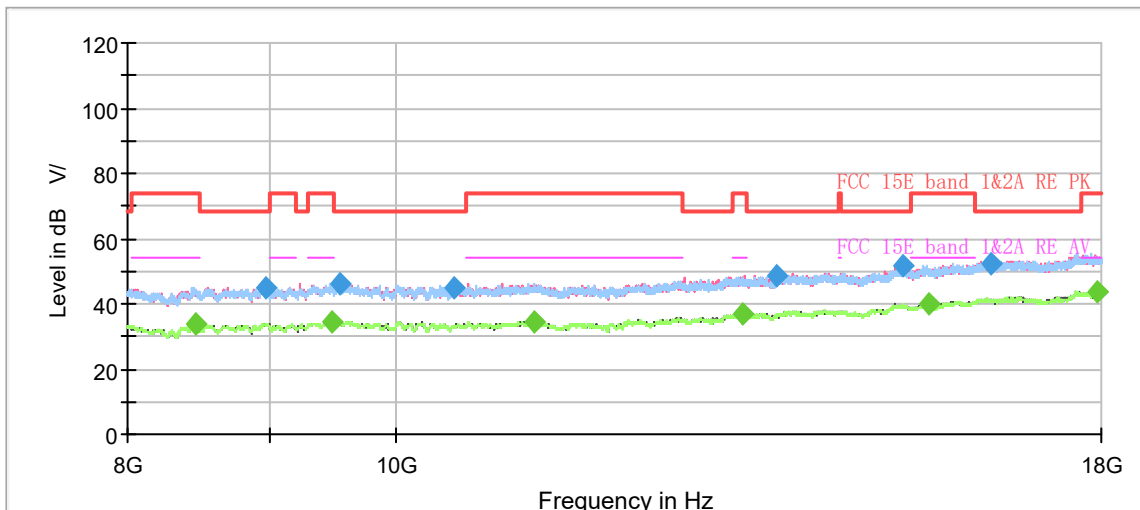
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT40) CH62



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



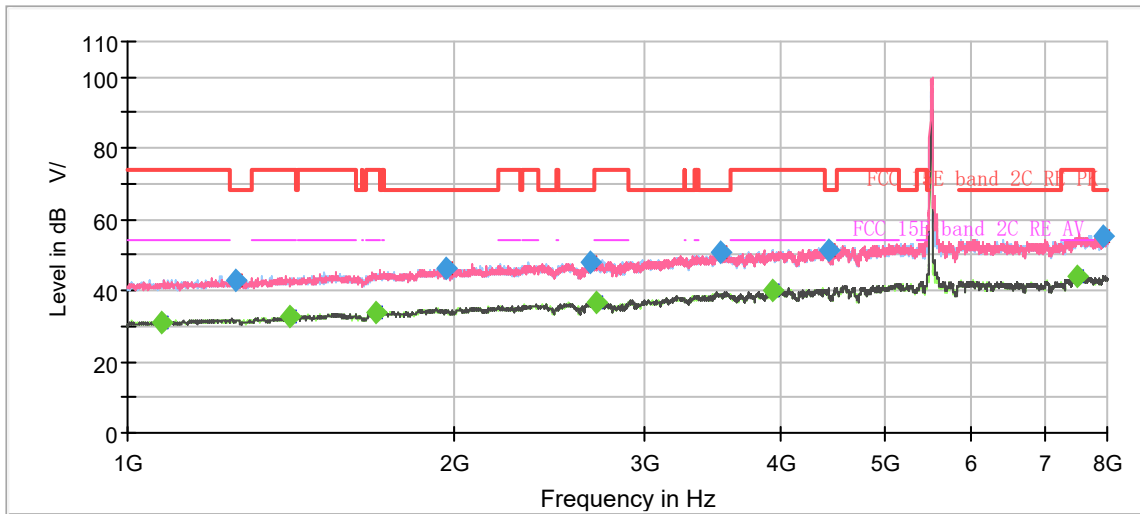
Radiates Emission from 8GHz to 18GHz

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)
1294.875000	43.07	---	68.20	25.13	500.0	200.0	H	81.0	-6.9
1380.625000	---	33.07	54.00	20.93	500.0	200.0	H	258.0	-6.3
1693.000000	---	33.69	54.00	20.31	500.0	100.0	H	145.0	-4.6
1948.500000	45.88	---	68.20	22.32	500.0	100.0	H	47.0	-3.2
2224.125000	---	35.12	54.00	18.88	500.0	100.0	H	0.0	-2.0
2686.125000	47.92	---	68.20	20.28	500.0	100.0	H	85.0	0.0
2711.500000	---	36.57	54.00	17.43	500.0	200.0	V	259.0	0.1
3512.125000	51.33	---	68.20	16.88	500.0	100.0	H	93.0	3.7
3931.250000	---	39.81	54.00	14.19	500.0	200.0	V	30.0	4.9
4426.500000	51.57	---	68.20	16.63	500.0	200.0	V	67.0	6.4
7611.500000	---	44.00	54.00	10.00	500.0	100.0	H	33.0	10.9
7807.500000	55.82	---	68.20	12.38	500.0	200.0	H	244.0	11.0

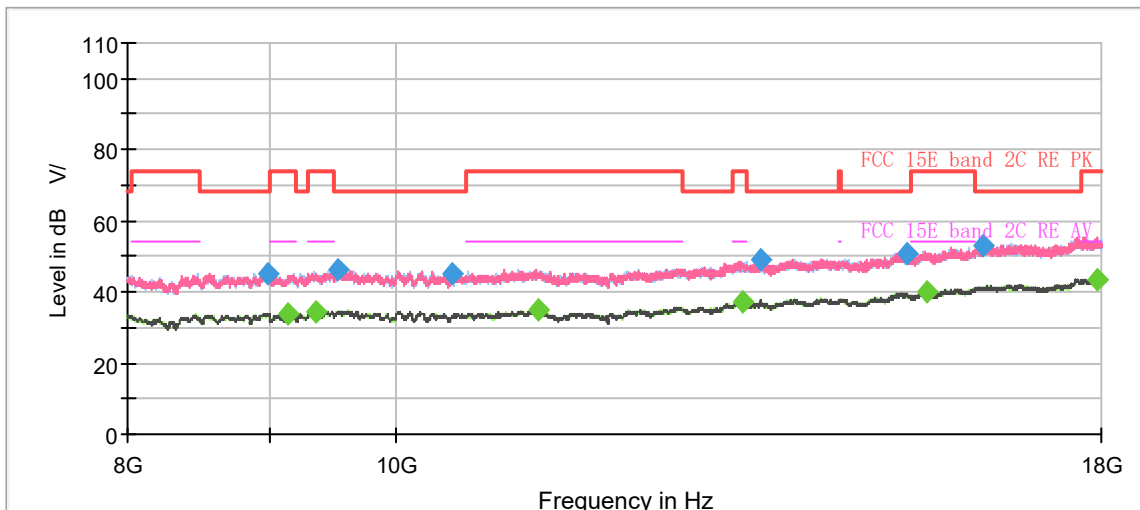
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT40) CH102



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



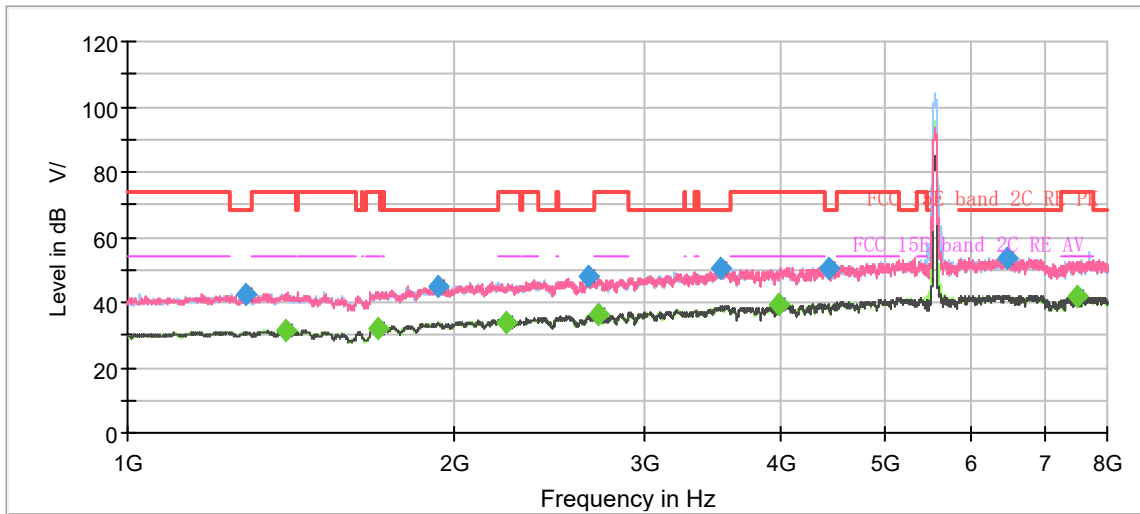
Radiates Emission from 8GHz to 18GHz

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)
1076.125000	---	31.23	54.00	22.77	500.0	100.0	H	147.0	-8.2
1260.750000	43.14	---	68.20	25.06	500.0	100.0	H	221.0	-7.1
1413.000000	---	32.52	54.00	21.48	500.0	200.0	H	248.0	-6.1
1696.500000	---	34.02	54.00	19.98	500.0	100.0	H	202.0	-4.5
1962.500000	46.12	---	68.20	22.08	500.0	100.0	H	248.0	-3.1
2675.625000	47.73	---	68.20	20.47	500.0	100.0	H	6.0	0.0
2708.000000	---	36.48	54.00	17.52	500.0	200.0	H	253.0	0.1
3524.375000	50.81	---	68.20	17.39	500.0	200.0	V	15.0	3.7
3932.125000	---	40.03	54.00	13.97	500.0	200.0	V	238.0	4.9
4428.250000	51.43	---	68.20	16.77	500.0	200.0	H	171.0	6.4
7514.375000	---	44.16	54.00	9.84	500.0	100.0	V	160.0	10.8
7939.625000	55.04	---	68.20	13.16	500.0	100.0	V	291.0	10.8

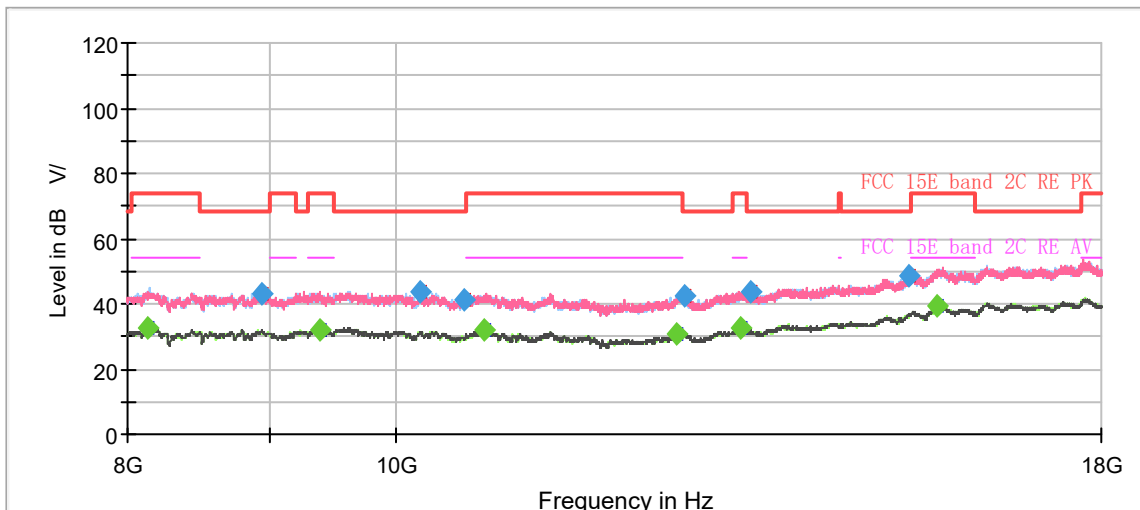
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT40) CH110



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



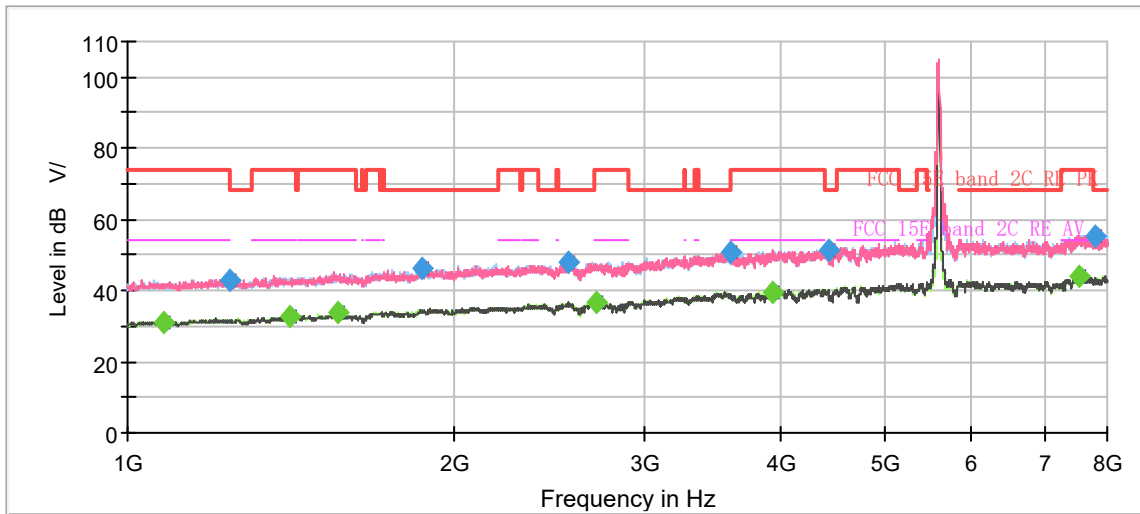
Radiates Emission from 8GHz to 18GHz

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)
1286.125000	42.73	---	68.20	25.47	500.0	200.0	H	22.0	-7.0
1397.250000	---	31.39	54.00	22.61	500.0	200.0	H	32.0	-6.2
1699.125000	---	32.19	54.00	21.81	500.0	200.0	H	330.0	-4.5
1934.500000	45.06	---	68.20	23.14	500.0	200.0	V	210.0	-3.3
2237.250000	---	33.79	54.00	20.21	500.0	200.0	H	171.0	-1.9
2664.250000	47.87	---	68.20	20.33	500.0	200.0	H	245.0	-0.1
2714.125000	---	36.08	54.00	17.92	500.0	100.0	V	150.0	0.2
3526.125000	50.56	---	68.20	17.64	500.0	100.0	H	179.0	3.7
3990.750000	---	39.22	54.00	14.78	500.0	100.0	H	218.0	5.1
4423.875000	50.43	---	68.20	17.77	500.0	200.0	H	0.0	6.4
6457.375000	53.78	---	68.20	14.42	500.0	200.0	H	200.0	9.1
7521.375000	---	41.76	54.00	12.24	500.0	100.0	V	246.0	10.9

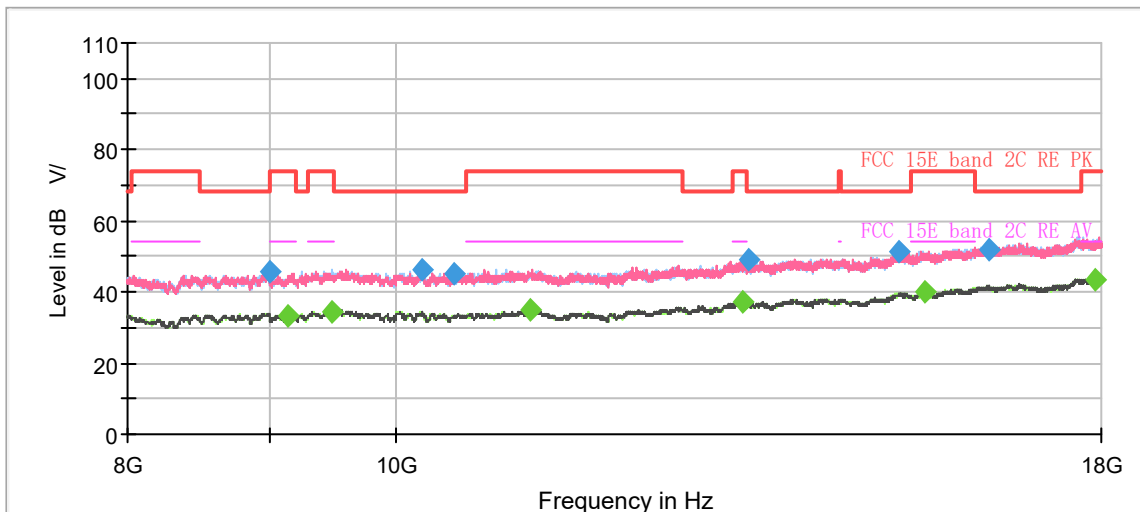
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT40) CH118



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



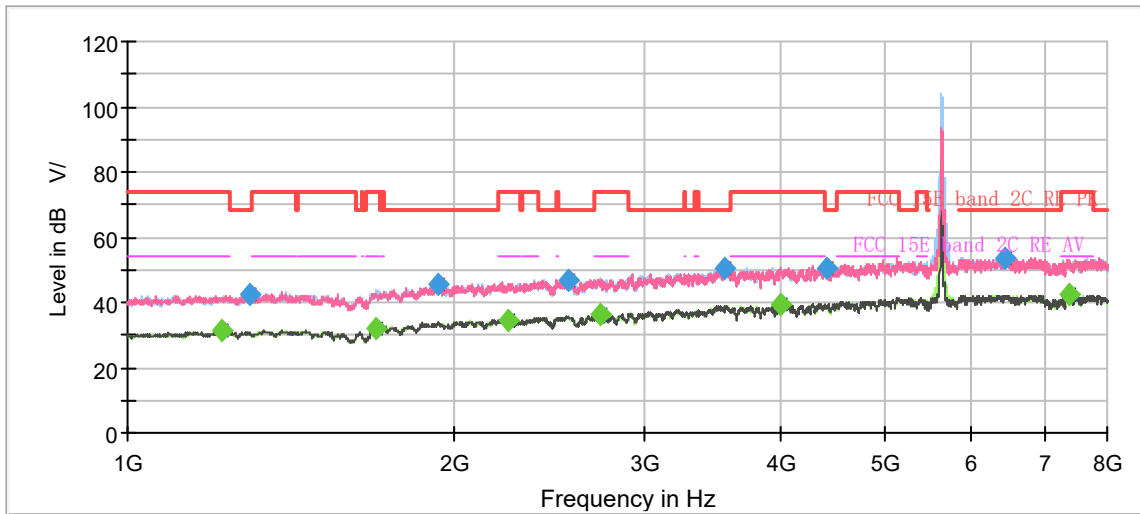
Radiates Emission from 8GHz to 18GHz

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)
1080.500000	---	31.16	54.00	22.84	500.0	200.0	V	224.0	-8.2
1242.375000	42.85	---	68.20	25.35	500.0	100.0	H	188.0	-7.2
1413.875000	---	32.44	54.00	21.56	500.0	200.0	V	279.0	-6.1
1562.625000	---	33.70	54.00	20.30	500.0	100.0	H	64.0	-5.2
1870.625000	46.01	---	68.20	22.19	500.0	100.0	H	121.0	-3.6
2546.125000	47.99	---	68.20	20.21	500.0	200.0	H	200.0	-0.4
2706.250000	---	36.46	54.00	17.54	500.0	100.0	V	246.0	0.1
3599.625000	51.03	---	68.20	17.17	500.0	200.0	H	0.0	3.9
3939.125000	---	39.68	54.00	14.32	500.0	100.0	V	269.0	4.9
4427.375000	51.34	---	68.20	16.86	500.0	200.0	V	260.0	6.4
7546.750000	---	43.93	54.00	10.07	500.0	200.0	H	319.0	10.9
7797.000000	55.45	---	68.20	12.75	500.0	200.0	V	205.0	11.0

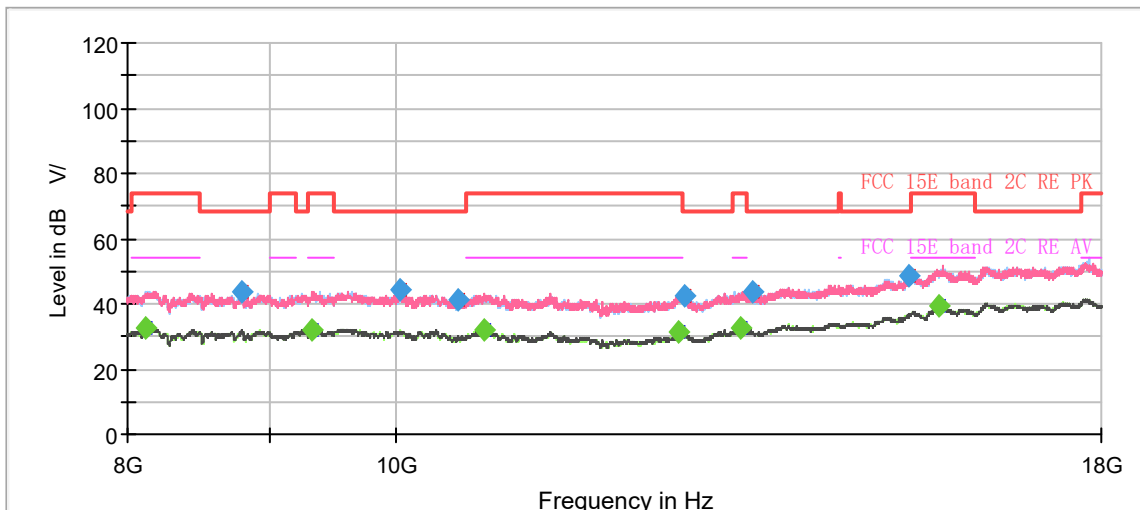
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit - MAX Peak/ Average

802.11n (HT40) CH126



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



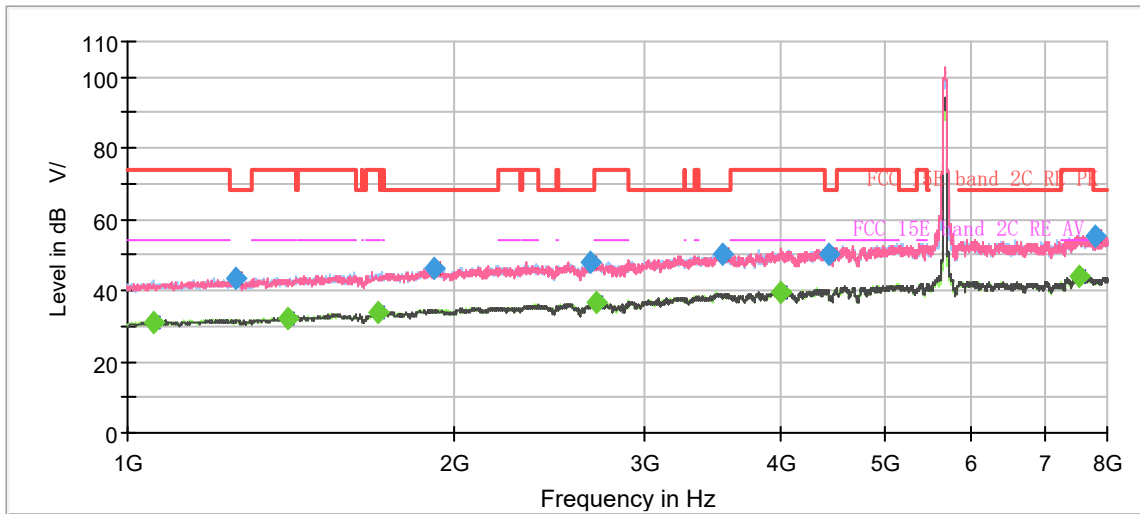
Radiates Emission from 8GHz to 18GHz

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)
1223.125000	---	31.35	54.00	22.65	500.0	200.0	V	276.0	-7.3
1298.375000	42.42	---	68.20	25.78	500.0	200.0	V	9.0	-6.9
1696.500000	---	32.02	54.00	21.98	500.0	200.0	V	281.0	-4.5
1931.000000	45.55	---	68.20	22.65	500.0	200.0	V	310.0	-3.3
2242.500000	---	34.62	54.00	19.38	500.0	100.0	H	262.0	-1.9
2554.000000	46.99	---	68.20	21.21	500.0	200.0	V	227.0	-0.4
2723.750000	---	36.07	54.00	17.93	500.0	100.0	H	340.0	0.2
3550.625000	50.63	---	68.20	17.57	500.0	200.0	H	77.0	3.8
3994.250000	---	39.33	54.00	14.67	500.0	200.0	V	272.0	5.1
4410.750000	50.47	---	68.20	17.73	500.0	200.0	V	258.0	6.3
6429.375000	53.77	---	68.20	14.43	500.0	200.0	H	197.0	9.1
7377.875000	---	42.26	54.00	11.74	500.0	200.0	V	343.0	10.5

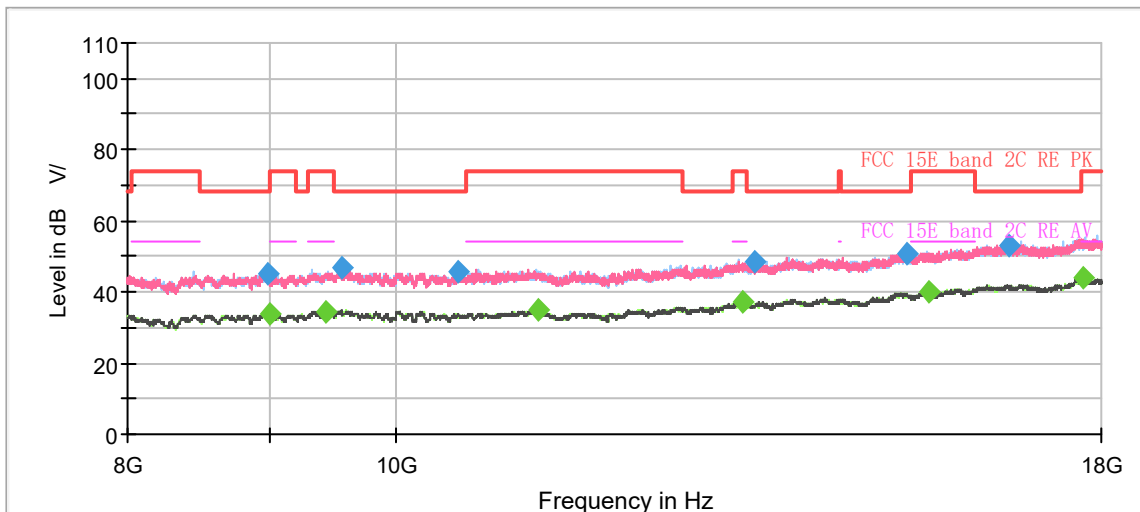
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT40) CH134



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



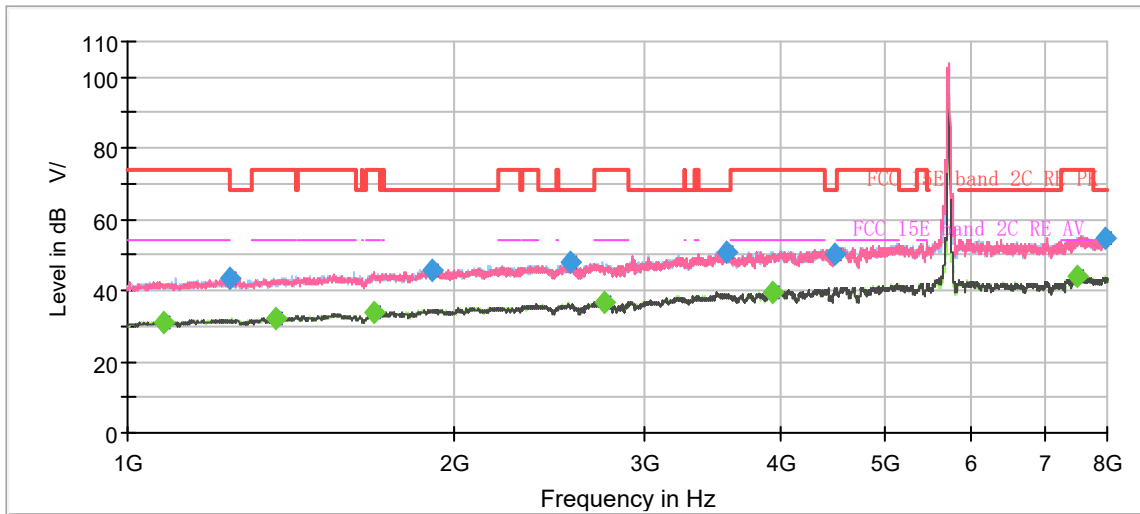
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1057.750000	---	30.83	54.00	23.17	500.0	100.0	H	96.0	-8.4
1255.500000	43.49	---	68.20	24.71	500.0	100.0	V	199.0	-7.1
1406.000000	---	32.28	54.00	21.72	500.0	200.0	H	128.0	-6.2
1698.250000	---	33.57	54.00	20.43	500.0	200.0	H	219.0	-4.5
1918.750000	46.50	---	68.20	21.70	500.0	100.0	V	45.0	-3.4
2673.875000	47.96	---	68.20	20.24	500.0	100.0	H	1.0	0.0
2709.750000	---	36.44	54.00	17.56	500.0	100.0	H	232.0	0.1
3528.750000	50.32	---	68.20	17.88	500.0	200.0	V	239.0	3.7
3998.625000	---	39.73	54.00	14.27	500.0	200.0	H	0.0	5.1
4427.375000	50.33	---	68.20	17.87	500.0	200.0	H	44.0	6.4
7524.000000	---	43.98	54.00	10.02	500.0	200.0	V	221.0	10.9
7807.500000	55.04	---	68.20	13.16	500.0	100.0	V	101.0	11.0

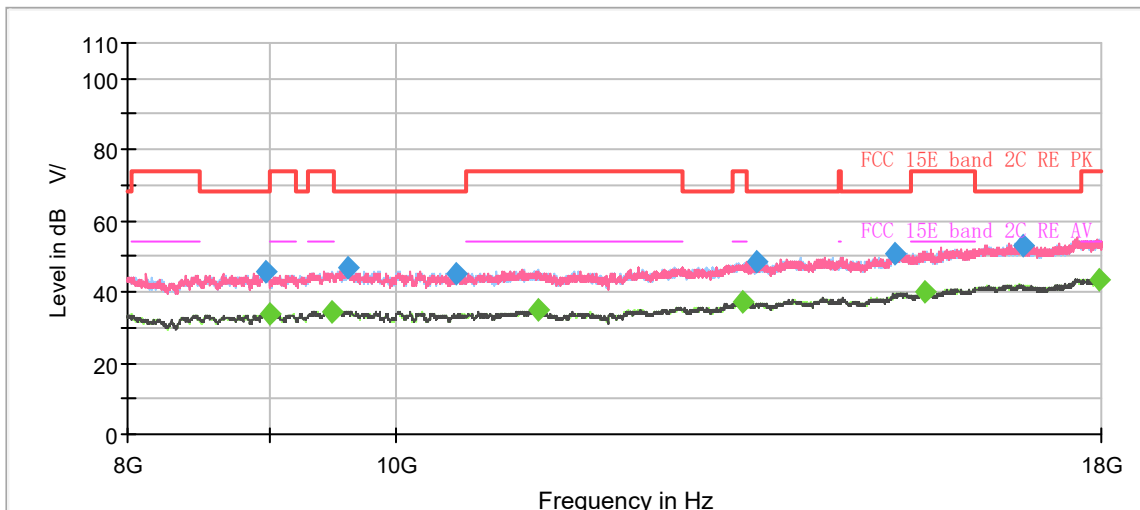
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT40) CH142



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



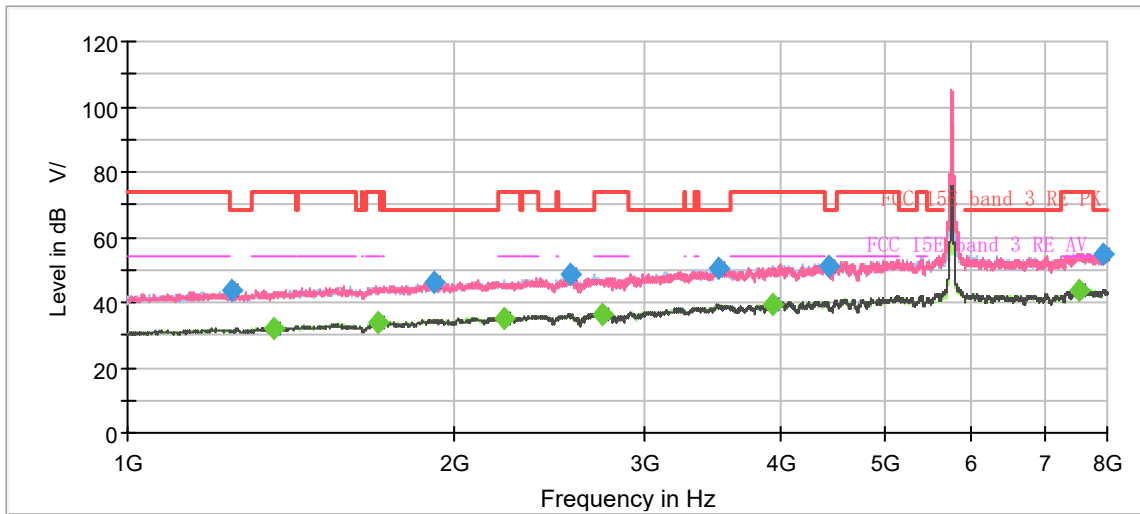
Radiates Emission from 8GHz to 18GHz

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)
1080.500000	---	30.97	54.00	23.03	500.0	100.0	H	197.0	-8.2
1243.250000	43.29	---	68.20	24.91	500.0	200.0	V	9.0	-7.2
1368.375000	---	32.30	54.00	21.70	500.0	100.0	V	166.0	-6.4
1690.375000	---	33.74	54.00	20.26	500.0	200.0	H	318.0	-4.6
1910.000000	45.93	---	68.20	22.27	500.0	100.0	H	42.0	-3.4
2563.625000	47.76	---	68.20	20.44	500.0	100.0	V	212.0	-0.3
2757.000000	---	36.41	54.00	17.59	500.0	100.0	H	110.0	0.3
3565.500000	50.83	---	68.20	17.37	500.0	100.0	H	250.0	3.9
3931.250000	---	39.56	54.00	14.44	500.0	200.0	H	168.0	4.9
4482.500000	50.35	---	68.20	17.85	500.0	100.0	H	57.0	6.6
7502.125000	---	43.92	54.00	10.08	500.0	100.0	H	197.0	10.8
7950.125000	54.89	---	68.20	13.31	500.0	200.0	H	274.0	10.7

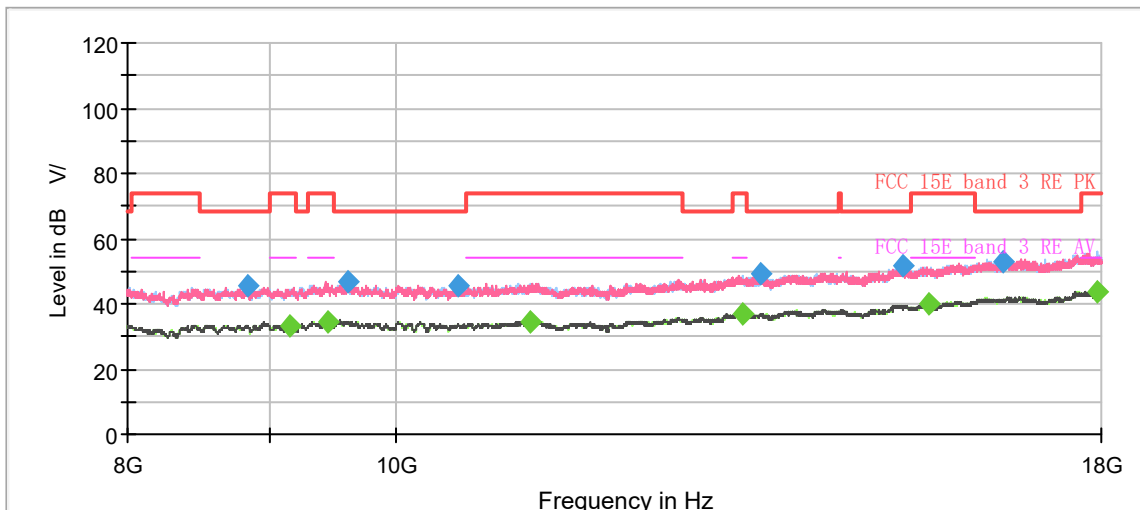
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT40) CH151



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



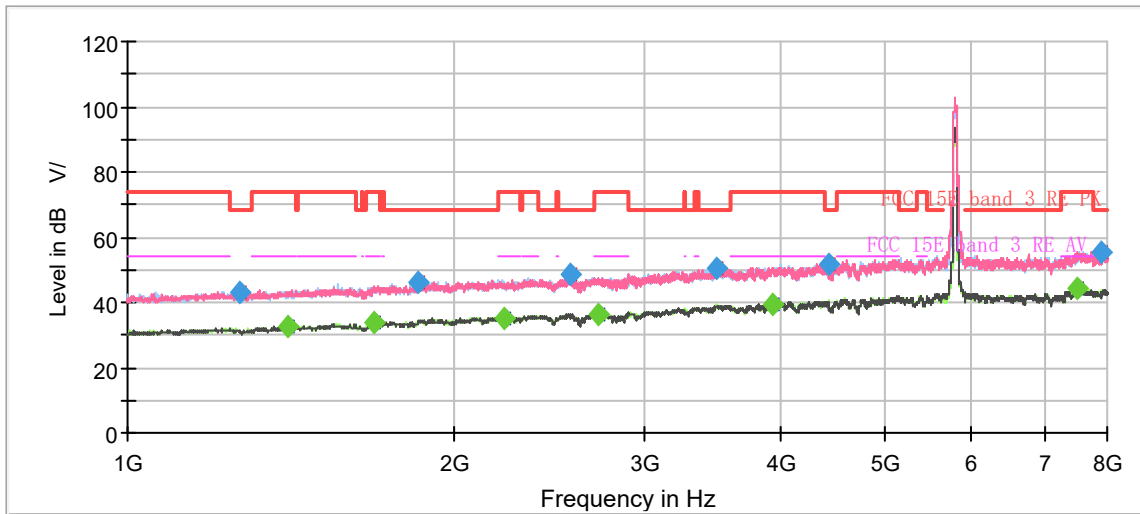
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (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)
1245.875000	43.79	---	68.20	24.41	500.0	100.0	V	36.0	-7.2
1365.750000	---	32.26	54.00	21.74	500.0	100.0	V	329.0	-6.4
1700.875000	---	33.81	54.00	20.19	500.0	200.0	V	303.0	-4.5
1916.125000	46.09	---	68.20	22.11	500.0	100.0	V	190.0	-3.4
2223.250000	---	34.88	54.00	19.12	500.0	100.0	H	0.0	-2.0
2564.500000	48.32	---	68.20	19.88	500.0	200.0	H	255.0	-0.3
2736.000000	---	36.33	54.00	17.68	500.0	100.0	V	237.0	0.3
3506.000000	50.72	---	68.20	17.48	500.0	100.0	H	215.0	3.6
3931.250000	---	39.58	54.00	14.42	500.0	100.0	H	355.0	4.9
4423.875000	51.33	---	68.20	16.87	500.0	100.0	V	41.0	6.4
7522.250000	---	43.97	54.00	10.03	500.0	100.0	H	97.0	10.9
7921.250000	54.90	---	68.20	13.30	500.0	100.0	V	163.0	10.8

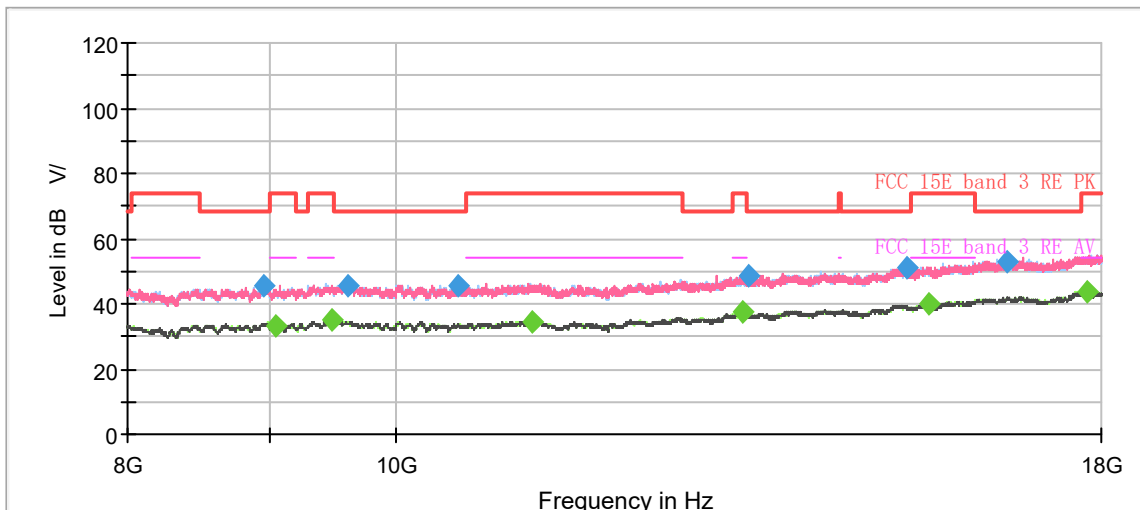
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT40) CH159



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



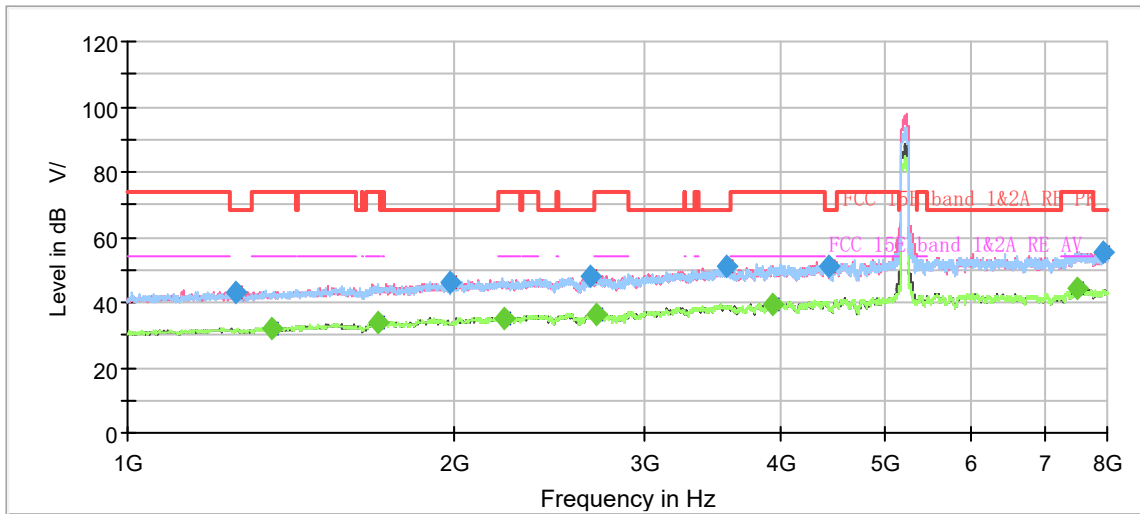
Radiates Emission from 8GHz to 18GHz

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)
1270.375000	43.09	---	68.20	25.11	500.0	200.0	H	343.0	-7.0
1406.000000	---	32.59	54.00	21.41	500.0	200.0	H	117.0	-6.2
1686.000000	---	33.62	54.00	20.38	500.0	100.0	V	237.0	-4.6
1854.875000	46.40	---	68.20	21.80	500.0	200.0	H	203.0	-3.7
2220.625000	---	35.09	54.00	18.91	500.0	100.0	H	123.0	-2.0
2557.500000	48.55	---	68.20	19.65	500.0	100.0	H	320.0	-0.4
2711.500000	---	36.25	54.00	17.75	500.0	100.0	H	137.0	0.1
3493.750000	50.34	---	68.20	17.86	500.0	100.0	V	0.0	3.6
3930.375000	---	39.69	54.00	14.31	500.0	100.0	V	217.0	4.9
4421.250000	51.47	---	68.20	16.73	500.0	200.0	H	22.0	6.4
7505.625000	---	44.19	54.00	9.81	500.0	200.0	V	305.0	10.8
7908.125000	55.26	---	68.20	12.94	500.0	100.0	V	97.0	10.9

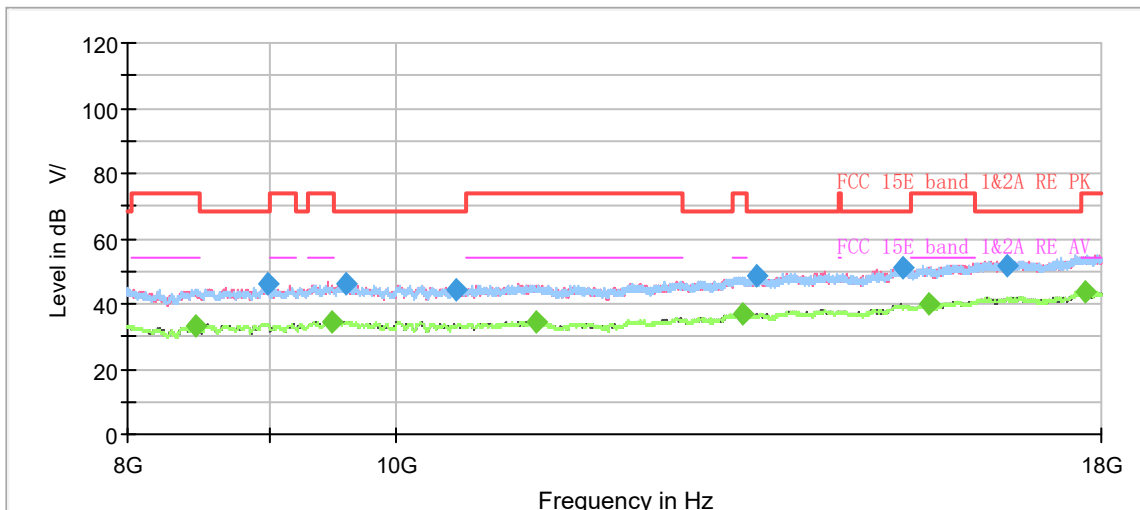
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11ac (VHT80) CH42



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



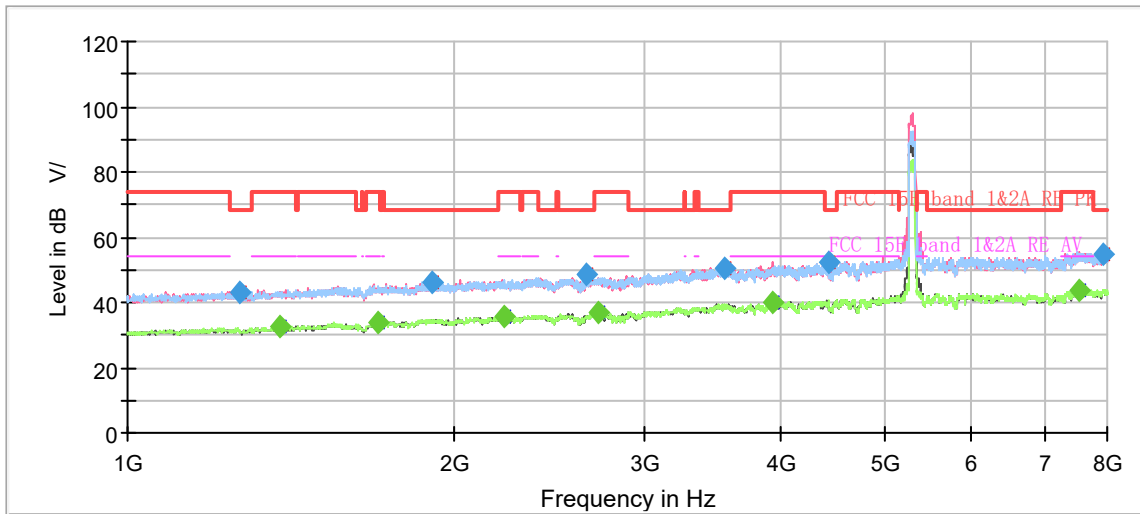
Radiates Emission from 8GHz to 18GHz

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)
1256.375000	43.12	---	68.20	25.08	500.0	100.0	H	51.0	-7.1
1358.750000	---	32.31	54.00	21.69	500.0	200.0	H	296.0	-6.5
1700.875000	---	33.86	54.00	20.14	500.0	200.0	H	150.0	-4.5
1981.750000	46.15	---	68.20	22.05	500.0	100.0	H	61.0	-3.0
2223.250000	---	35.24	54.00	18.76	500.0	100.0	V	266.0	-2.0
2673.875000	47.99	---	68.20	20.21	500.0	200.0	V	184.0	0.0
2707.125000	---	36.38	54.00	17.62	500.0	100.0	V	63.0	0.1
3569.000000	51.05	---	68.20	17.15	500.0	200.0	V	307.0	3.9
3928.625000	---	39.63	54.00	14.37	500.0	100.0	V	207.0	4.9
4424.750000	51.29	---	68.20	16.91	500.0	200.0	V	95.0	6.4
7509.125000	---	44.10	54.00	9.90	500.0	100.0	V	359.0	10.8
7943.125000	55.31	---	68.20	12.89	500.0	200.0	V	123.0	10.8

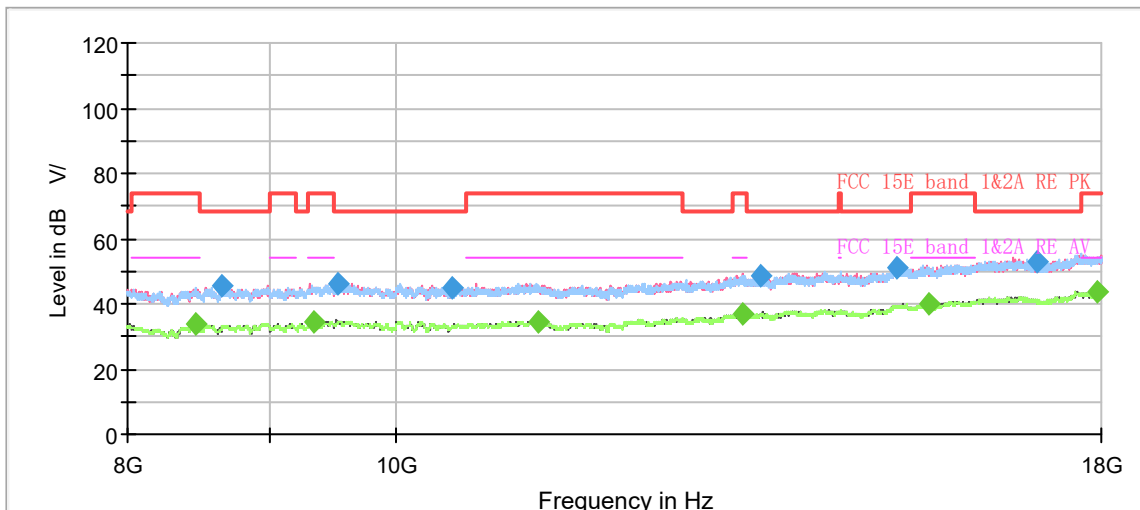
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11ac (VHT80) CH58



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



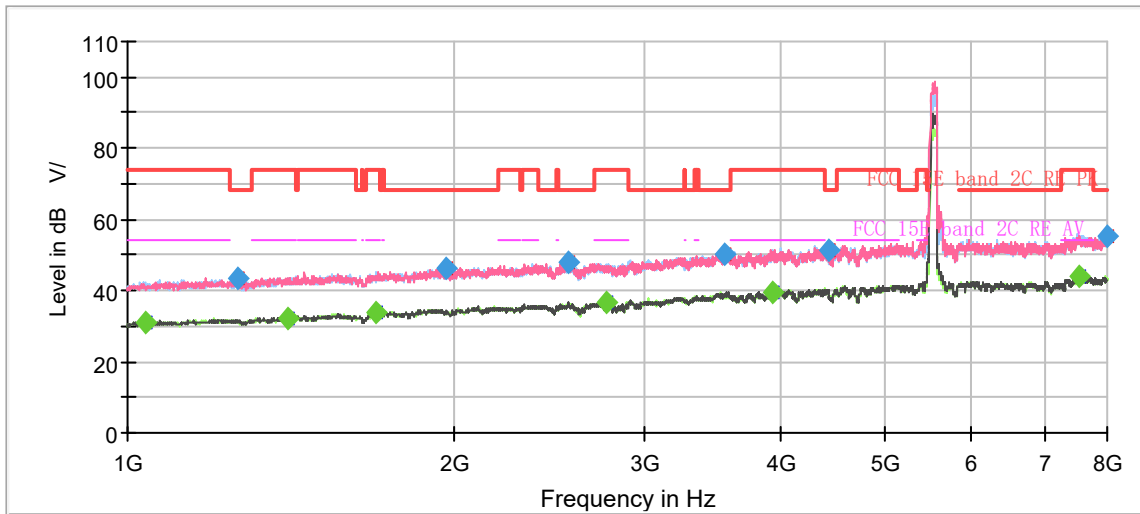
Radiates Emission from 8GHz to 18GHz

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)
1266.875000	43.02	---	68.20	25.18	500.0	100.0	H	108.0	-7.1
1382.375000	---	32.57	54.00	21.43	500.0	100.0	V	191.0	-6.3
1700.875000	---	33.86	54.00	20.14	500.0	200.0	V	11.0	-4.5
1910.875000	46.38	---	68.20	21.82	500.0	100.0	V	233.0	-3.4
2221.500000	---	35.76	54.00	18.24	500.0	100.0	H	307.0	-2.0
2650.250000	48.34	---	68.20	19.86	500.0	100.0	H	151.0	-0.1
2718.500000	---	36.72	54.00	17.28	500.0	100.0	H	108.0	0.2
3548.000000	50.27	---	68.20	17.93	500.0	200.0	H	244.0	3.8
3937.375000	---	39.80	54.00	14.20	500.0	100.0	V	205.0	4.9
4423.000000	52.30	---	68.20	15.90	500.0	100.0	H	118.0	6.4
7526.625000	---	43.93	54.00	10.07	500.0	100.0	H	2.0	10.9
7932.625000	55.02	---	68.20	13.18	500.0	200.0	H	302.0	10.8

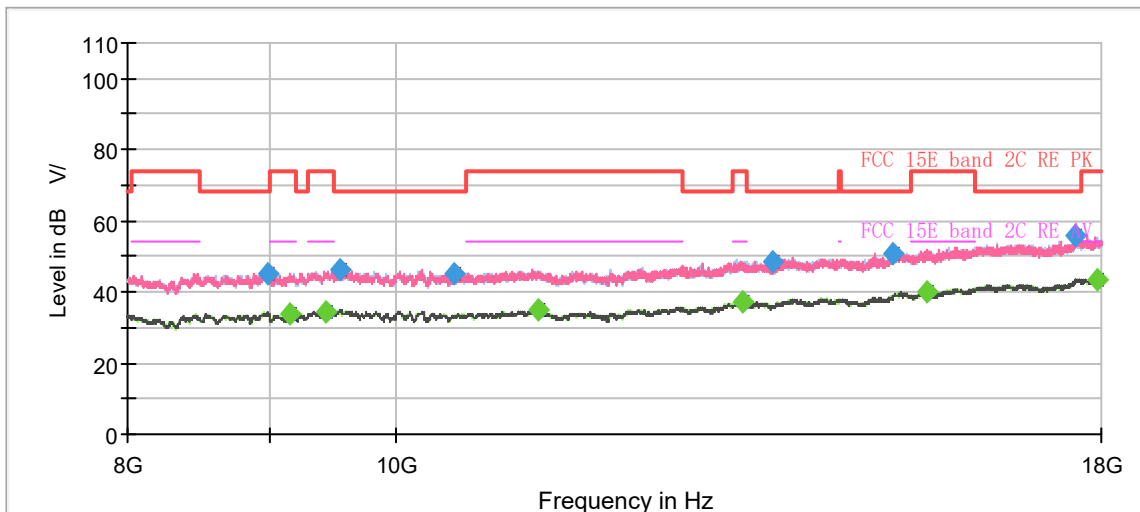
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11ac (VHT80) CH106



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



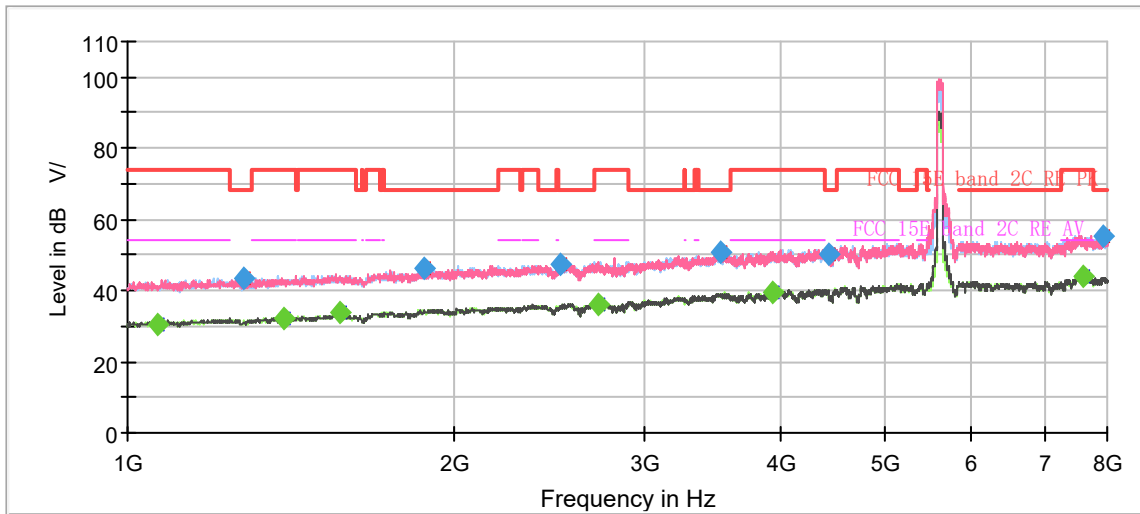
Radiates Emission from 8GHz to 18GHz

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)
1041.125000	---	30.80	54.00	23.20	500.0	200.0	H	300.0	-8.5
1266.000000	43.30	---	68.20	24.90	500.0	100.0	V	354.0	-7.1
1406.875000	---	32.33	54.00	21.67	500.0	200.0	H	216.0	-6.2
1693.000000	---	33.62	54.00	20.38	500.0	200.0	H	343.0	-4.6
1964.250000	46.48	---	68.20	21.72	500.0	200.0	V	61.0	-3.1
2552.250000	47.81	---	68.20	20.39	500.0	100.0	H	151.0	-0.4
2759.625000	---	36.39	54.00	17.61	500.0	100.0	H	16.0	0.3
3550.625000	50.46	---	68.20	17.74	500.0	100.0	V	252.0	3.8
3935.625000	---	39.69	54.00	14.31	500.0	100.0	H	87.0	4.9
4426.500000	51.25	---	68.20	16.95	500.0	100.0	V	331.0	6.4
7546.750000	---	43.84	54.00	10.16	500.0	100.0	H	240.0	10.9
7999.125000	55.24	---	68.20	12.96	500.0	100.0	V	233.0	10.6

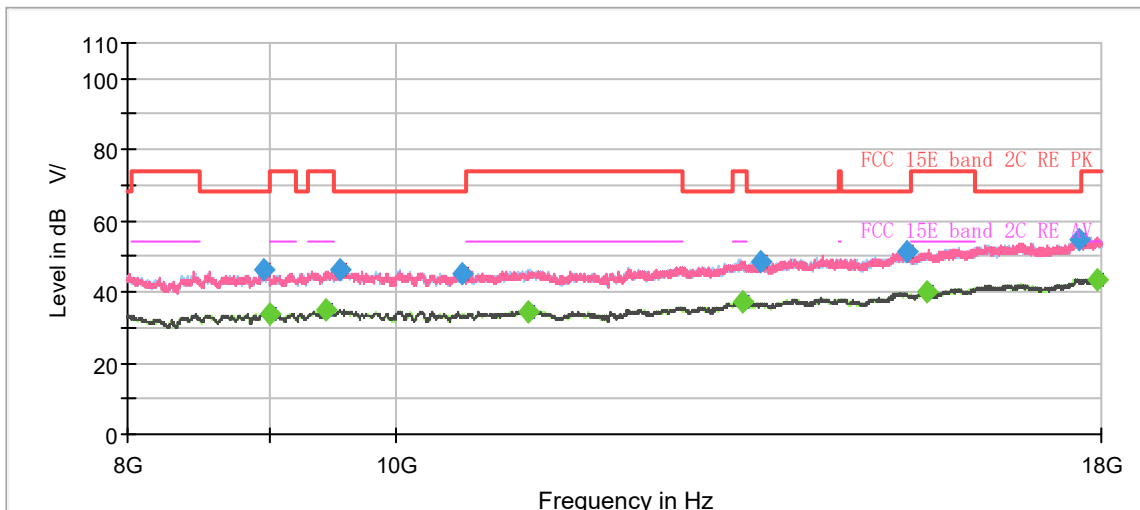
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11ac (VHT80) CH122



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



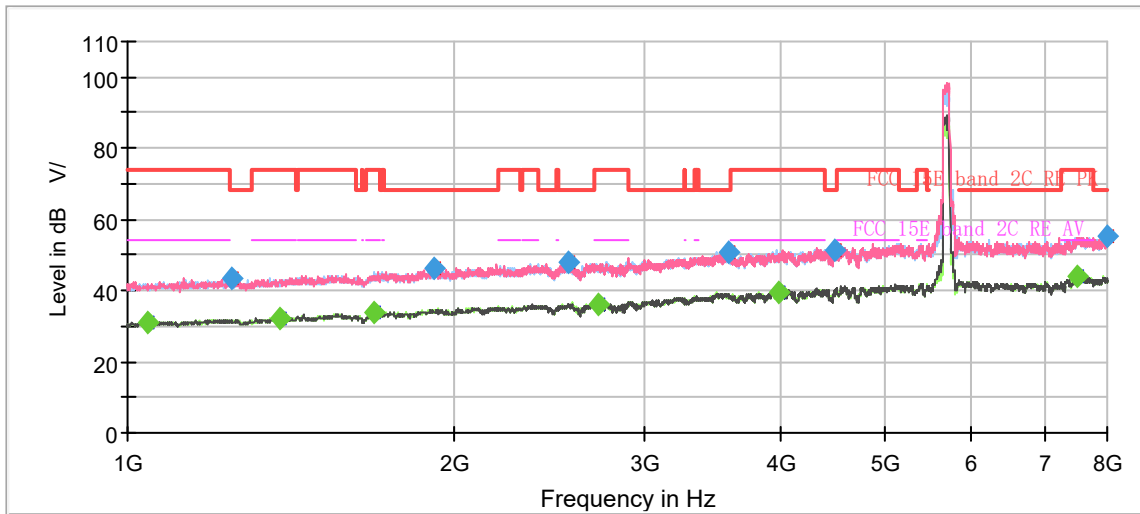
Radiates Emission from 8GHz to 18GHz

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)
1067.375000	---	30.59	54.00	23.41	500.0	200.0	H	120.0	-8.3
1281.750000	43.19	---	68.20	25.01	500.0	100.0	V	228.0	-7.0
1391.125000	---	32.27	54.00	21.73	500.0	200.0	H	272.0	-6.3
1572.250000	---	33.95	54.00	20.05	500.0	200.0	H	248.0	-5.2
1875.000000	46.18	---	68.20	22.02	500.0	100.0	V	151.0	-3.6
2501.500000	47.63	---	68.20	20.57	500.0	200.0	V	189.0	-0.6
2715.000000	---	36.29	54.00	17.71	500.0	100.0	V	156.0	0.2
3526.125000	50.55	---	68.20	17.65	500.0	200.0	H	291.0	3.7
3934.750000	---	39.68	54.00	14.32	500.0	200.0	H	32.0	4.9
4427.375000	50.33	---	68.20	17.87	500.0	200.0	V	113.0	6.4
7614.125000	---	44.17	54.00	9.83	500.0	100.0	H	22.0	10.9
7924.750000	55.15	---	68.20	13.05	500.0	200.0	V	79.0	10.8

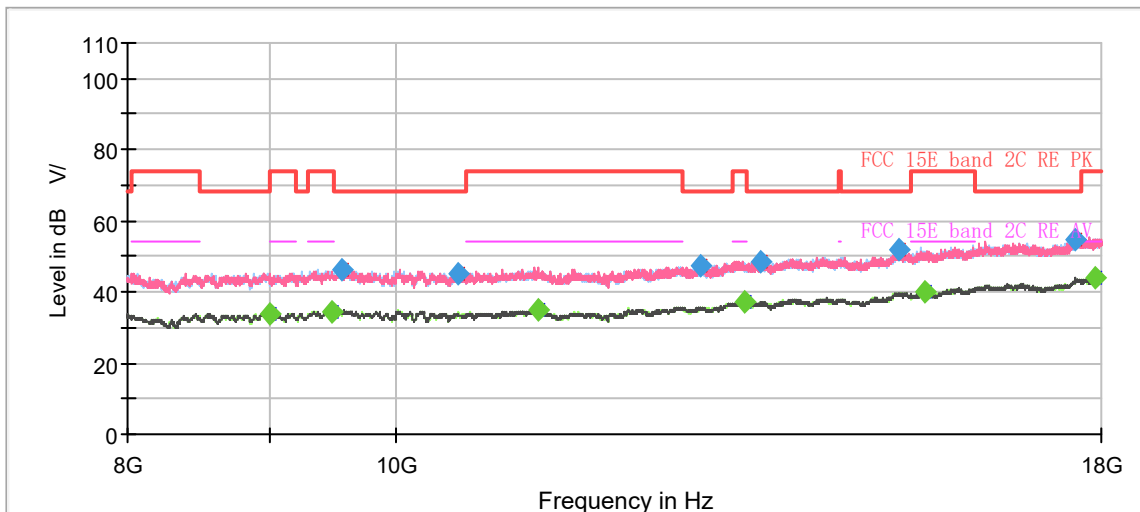
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit - MAX Peak/ Average

802.11ac (VHT80) CH138



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



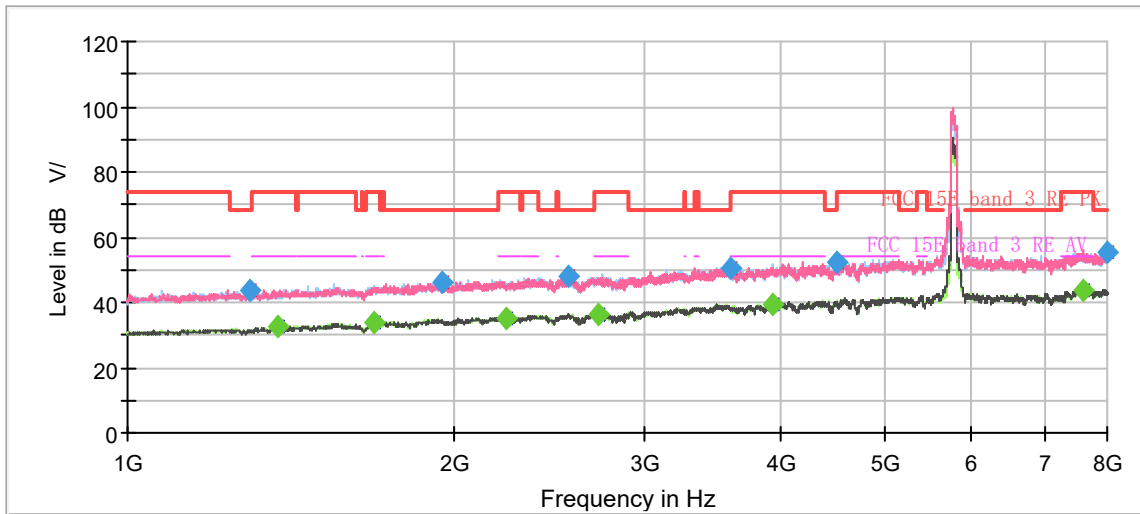
Radiates Emission from 8GHz to 18GHz

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)
1042.000000	---	30.83	54.00	23.17	500.0	200.0	H	316.0	-8.5
1247.625000	43.37	---	68.20	24.83	500.0	200.0	H	316.0	-7.2
1380.625000	---	32.36	54.00	21.64	500.0	200.0	V	0.0	-6.3
1689.500000	---	33.62	54.00	20.38	500.0	100.0	H	104.0	-4.6
1917.875000	46.38	---	68.20	21.82	500.0	200.0	H	221.0	-3.4
2546.125000	48.00	---	68.20	20.20	500.0	200.0	V	164.0	-0.4
2714.125000	---	36.24	54.00	17.76	500.0	200.0	H	99.0	0.2
3587.375000	51.02	---	68.20	17.18	500.0	100.0	V	321.0	3.9
3982.000000	---	39.64	54.00	14.36	500.0	200.0	H	311.0	5.1
4488.625000	51.06	---	68.20	17.14	500.0	100.0	H	201.0	6.6
7520.500000	---	43.76	54.00	10.24	500.0	100.0	V	187.0	10.9
7998.250000	55.15	---	68.20	13.05	500.0	200.0	V	98.0	10.6
17922.500000	---	43.85	54.00	10.15	500.0	200.0	H	358.0	14.5

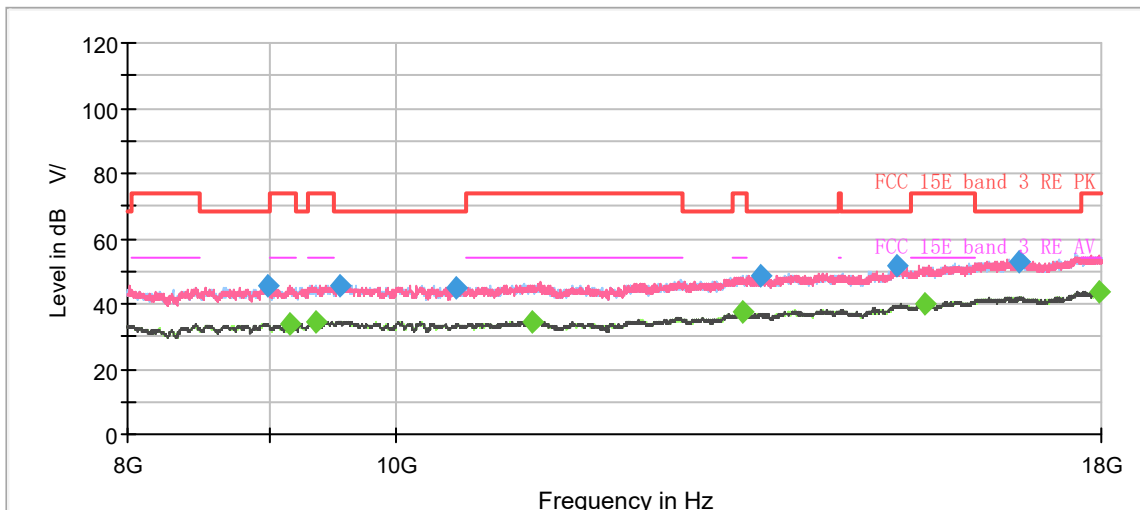
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit - MAX Peak/ Average

802.11ac (VHT80) CH155



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



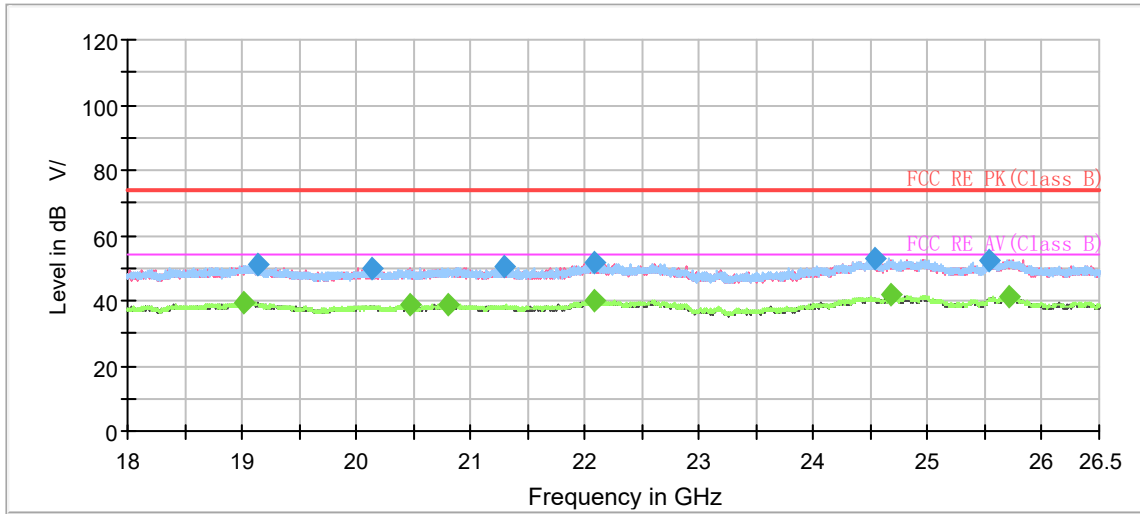
Radiates Emission from 8GHz to 18GHz

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)
1296.625000	43.60	---	68.20	24.60	500.0	100.0	H	321.0	-6.9
1376.250000	---	32.74	54.00	21.26	500.0	200.0	H	70.0	-6.4
1689.500000	---	33.70	54.00	20.30	500.0	200.0	H	264.0	-4.6
1952.875000	45.86	---	68.20	22.34	500.0	100.0	V	356.0	-3.1
2236.375000	---	34.77	54.00	19.23	500.0	200.0	H	61.0	-1.9
2544.375000	47.73	---	68.20	20.47	500.0	100.0	H	227.0	-0.4
2715.000000	---	36.34	54.00	17.66	500.0	200.0	V	246.0	0.2
3592.625000	50.70	---	68.20	17.50	500.0	200.0	H	16.0	3.9
3930.375000	---	39.63	54.00	14.37	500.0	100.0	H	273.0	4.9
4498.250000	52.44	---	68.20	15.76	500.0	100.0	H	236.0	6.6
7604.500000	---	43.77	54.00	10.23	500.0	200.0	V	300.0	10.9
7995.625000	55.27	---	68.20	12.93	500.0	100.0	V	253.0	10.6

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, 802.11a Channel 116 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

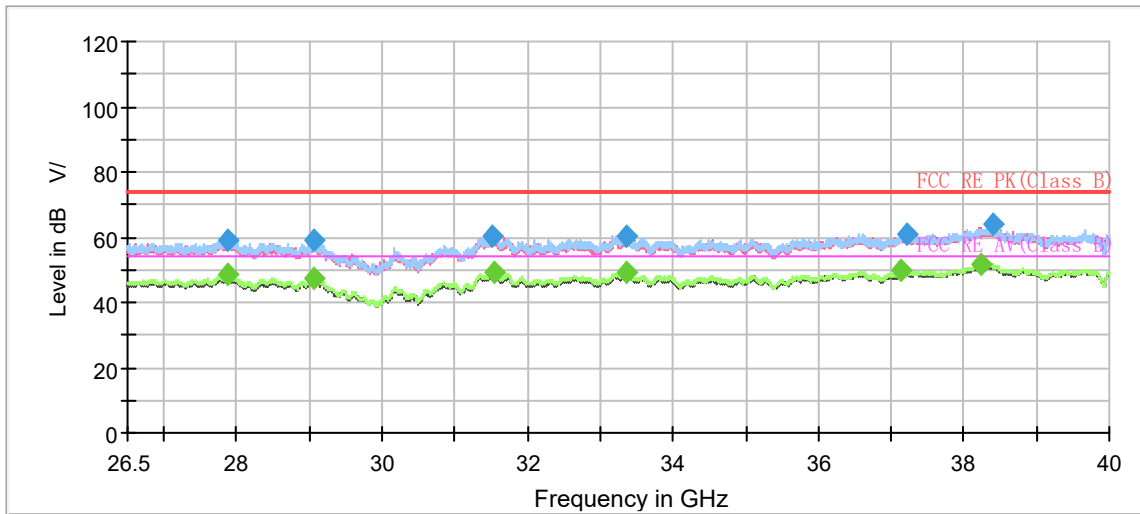


Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
19023.187500	---	39.61	54.00	14.39	500.0	200.0	V	244.0	-6.5
19144.312500	51.02	---	74.00	22.98	500.0	200.0	H	83.0	-6.6
20131.375000	50.10	---	74.00	23.90	500.0	200.0	H	161.0	-7.1
20472.437500	---	38.76	54.00	15.24	500.0	200.0	H	300.0	-6.3
20807.125000	---	38.63	54.00	15.37	500.0	200.0	H	271.0	-6.3
21286.312500	50.25	---	74.00	23.75	500.0	100.0	H	162.0	-6.5
22083.187500	51.74	---	74.00	22.26	500.0	200.0	H	230.0	-4.6
22084.250000	---	39.99	54.00	14.01	500.0	200.0	H	68.0	-4.6
24540.750000	53.15	---	74.00	20.85	500.0	200.0	V	344.0	-1.9
24678.875000	---	41.66	54.00	12.34	500.0	200.0	H	216.0	-1.3
25541.625000	52.55	---	74.00	21.45	500.0	200.0	V	190.0	-2.4
25714.812500	---	41.39	54.00	12.61	500.0	200.0	H	119.0	-2.2

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 (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
27878.687500	---	48.35	54.00	5.65	500.0	100.0	H	346.0	0.1
27882.062500	59.23	---	74.00	14.77	500.0	100.0	H	338.0	0.1
29051.500000	---	47.65	54.00	6.35	500.0	100.0	H	267.0	0.3
29068.375000	58.85	---	74.00	15.15	500.0	100.0	H	26.0	0.2
31516.937500	60.10	---	74.00	13.90	500.0	100.0	V	0.0	-1.0
31537.187500	---	49.45	54.00	4.55	500.0	100.0	H	18.0	-1.0
33361.375000	60.38	---	74.00	13.62	500.0	100.0	H	226.0	-0.2
33368.125000	---	49.01	54.00	4.99	500.0	100.0	H	275.0	-0.3
37131.250000	---	49.81	54.00	4.19	500.0	100.0	H	166.0	1.4
37205.500000	61.07	---	74.00	12.93	500.0	200.0	V	256.0	1.6
38229.812500	---	51.86	54.00	2.14	500.0	100.0	H	0.0	3.7
38401.937500	63.87	---	74.00	10.13	500.0	100.0	H	2.0	4.0

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

2. Margin = Limit-MAX Peak/ Average

5.6. Conducted Emission

Ambient condition

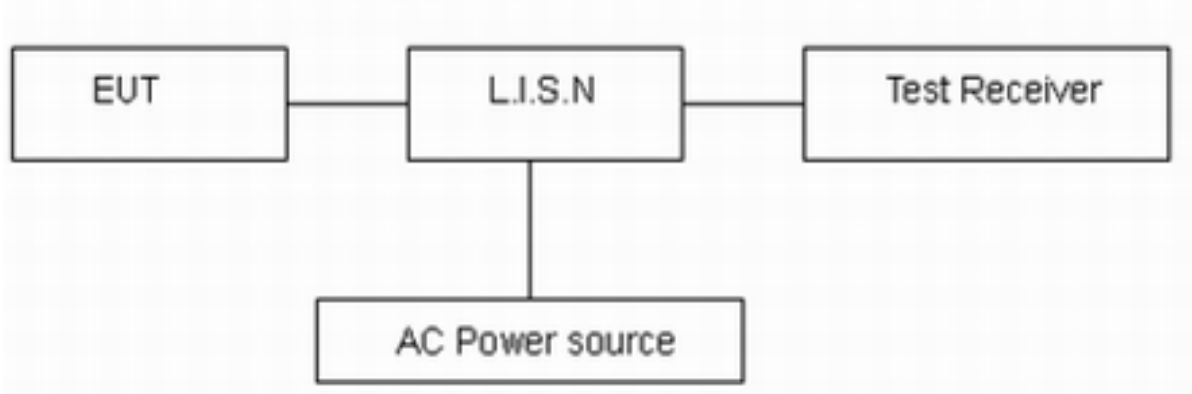
Temperature	Relative humidity
20°C ~ 25°C	45% ~ 50%

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

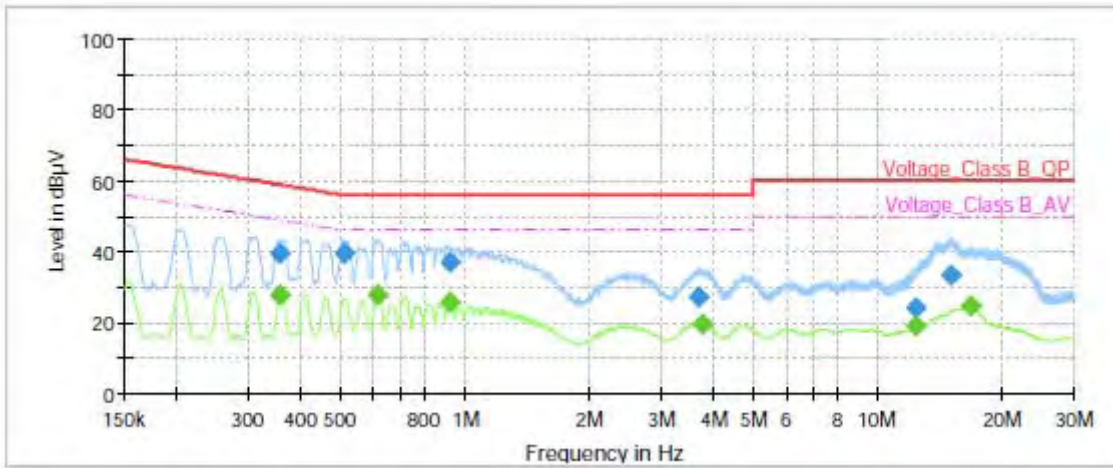
*: Decreases with the logarithm of the frequency.

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, 802.11a Channel 116 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

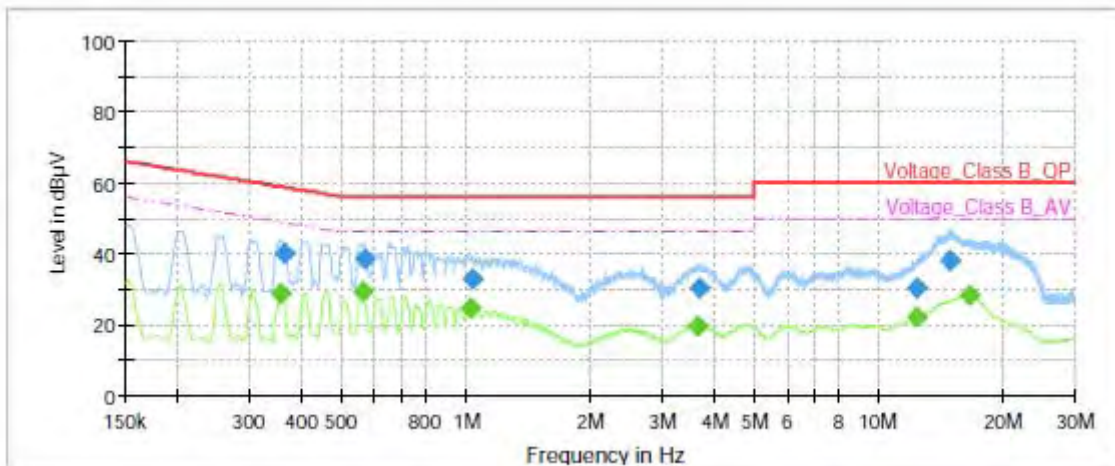


Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.36	---	27.86	48.80	20.94	1000.0	9.000	L1	ON	20.8
0.36	39.50	---	58.80	19.30	1000.0	9.000	L1	ON	20.8
0.51	39.37	---	56.00	16.63	1000.0	9.000	L1	ON	20.6
0.61	---	27.66	46.00	18.34	1000.0	9.000	L1	ON	20.5
0.92	---	25.47	46.00	20.53	1000.0	9.000	L1	ON	20.0
0.92	36.76	---	56.00	19.24	1000.0	9.000	L1	ON	20.0
3.70	27.39	---	56.00	28.61	1000.0	9.000	L1	ON	19.2
3.75	---	19.55	46.00	26.45	1000.0	9.000	L1	ON	19.2
12.33	24.26	---	60.00	35.74	1000.0	9.000	L1	ON	19.3
12.40	---	18.92	50.00	31.08	1000.0	9.000	L1	ON	19.3
15.04	33.52	---	60.00	26.48	1000.0	9.000	L1	ON	19.4
16.87	---	24.79	50.00	25.21	1000.0	9.000	L1	ON	19.5

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)
0.35	---	28.69	48.85	20.16	1000.0	9.000	N	ON	20.9
0.36	39.92	---	58.69	18.77	1000.0	9.000	N	ON	20.9
0.56	---	29.01	46.00	16.99	1000.0	9.000	N	ON	20.6
0.57	38.40	---	56.00	17.60	1000.0	9.000	N	ON	20.6
1.02	---	24.37	46.00	21.63	1000.0	9.000	N	ON	20.0
1.03	32.57	---	56.00	23.43	1000.0	9.000	N	ON	20.0
3.66	---	19.69	46.00	26.31	1000.0	9.000	N	ON	19.3
3.70	30.13	---	56.00	25.87	1000.0	9.000	N	ON	19.3
12.36	30.14	---	60.00	29.86	1000.0	9.000	N	ON	19.4
12.39	---	22.04	50.00	27.96	1000.0	9.000	N	ON	19.4
14.98	37.83	---	60.00	22.17	1000.0	9.000	N	ON	19.5
16.66	---	28.29	50.00	21.71	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	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
Artificial main network	R&S	ENV216	102191	2022-12-13	2024-12-09
EMI Test Receiver	R&S	ESR	101667	2022-05-25	2023-05-24
Software	R&S	EMC32	10.35.10	/	/
EMI Test Receiver	R&S	ESR	102389	2022-05-25	2023-05-24
Spectrum Analyzer	R&S	FSV40	101186	2022-05-14	2023-05-13
Loop Antenna	SCHWARZBECK	FMZB1519	1519-047	2020-04-02	2023-04-01
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9163	1023	2020-05-05	2023-05-04
Horn Antenna	R&S	HF907	102723	2021-07-24	2024-07-23
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
Software	R&S	EMC32	9.26.01	/	/
Power sensor	R&S	NRP18S	101954	2022-05-14	2023-05-13
Spectrum Analyzer	KEYSIGHT	N9020A	MY51330870	2022-05-14	2023-05-13
DC Power Supply	UNI-T	UTP1306S+	2205D0517232	2022-12-10	2023-12-09
Climate Chamber	ESPEC	SU-242	93000506	2022-12-10	2023-12-09

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

ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.

ANNEX B: Test Setup Photos

The Test Setup Photos are submitted separately.