

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 are more than 20dB below the limit are not reported.

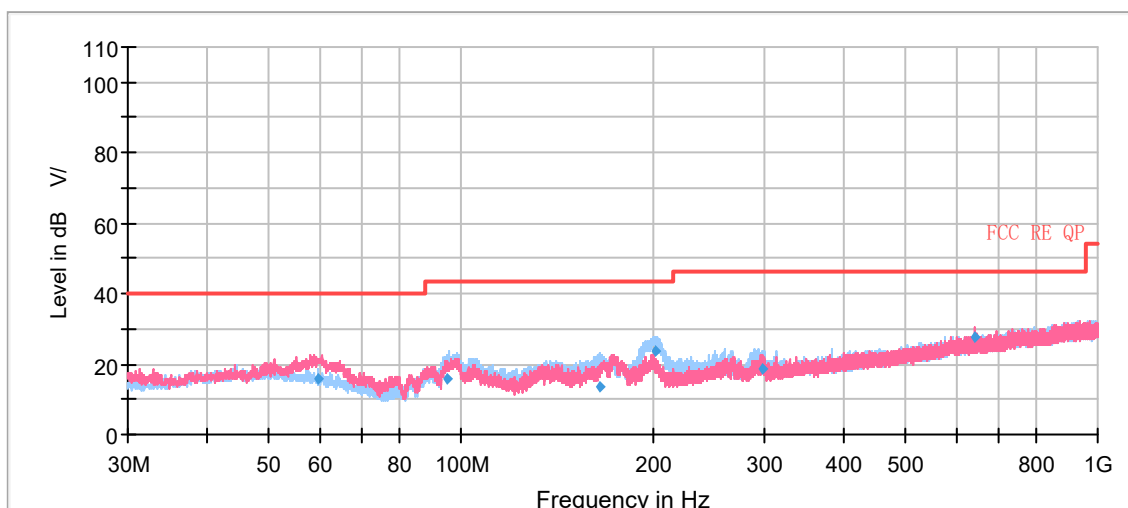
The following graphs display the maximum values of horizontal and vertical by software.
For above 1GHz, Blue trace uses the peak detection, Green trace uses the average detection.

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels, 802.11n (HT40) CH7 and Bluetooth LE-Channel 0 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

A font (Level in dBμV/)in the test plot =(level in dB μ V/m)

Continuous TX mode:

Wi-Fi 2.4G



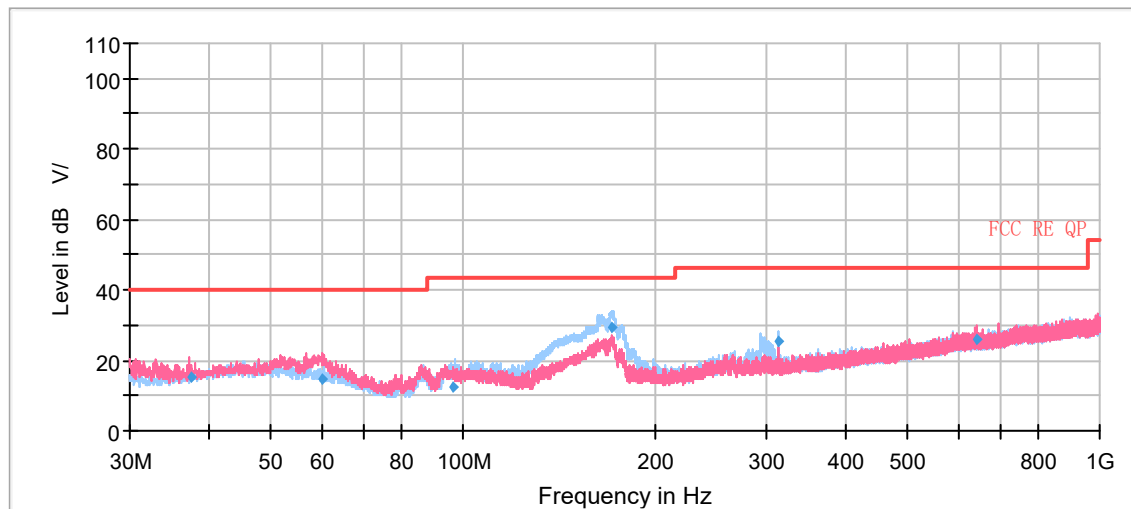
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
59.570667	15.88	100.0	V	17.0	19	24.12	40.00
95.206000	15.93	225.0	H	287.0	18	27.57	43.50
165.494667	13.62	175.0	H	211.0	15	29.88	43.50
201.898333	23.90	125.0	H	187.0	18	19.60	43.50
298.233000	18.85	100.0	H	236.0	20	27.15	46.00
639.993000	27.38	100.0	V	22.0	27	18.62	46.00

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

2. Margin = Limit – Quasi-Peak

Bluetooth LE



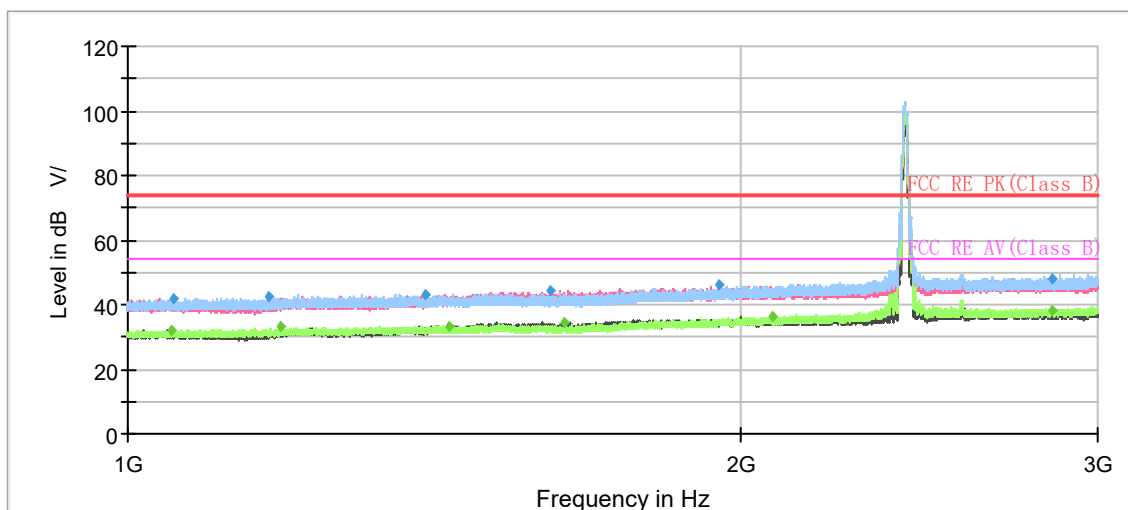
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
37.385667	14.98	100.0	V	43.0	19	25.02	40.00
60.207000	14.78	100.0	V	0.0	19	25.22	40.00
96.718000	12.53	225.0	H	124.0	18	30.97	43.50
171.432000	29.32	175.0	H	288.0	16	14.18	43.50
312.019000	25.52	100.0	H	161.0	21	20.48	46.00
640.000667	25.95	100.0	V	28.0	27	20.05	46.00

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

2. Margin = Limit – Quasi-Peak

802.11b CH1

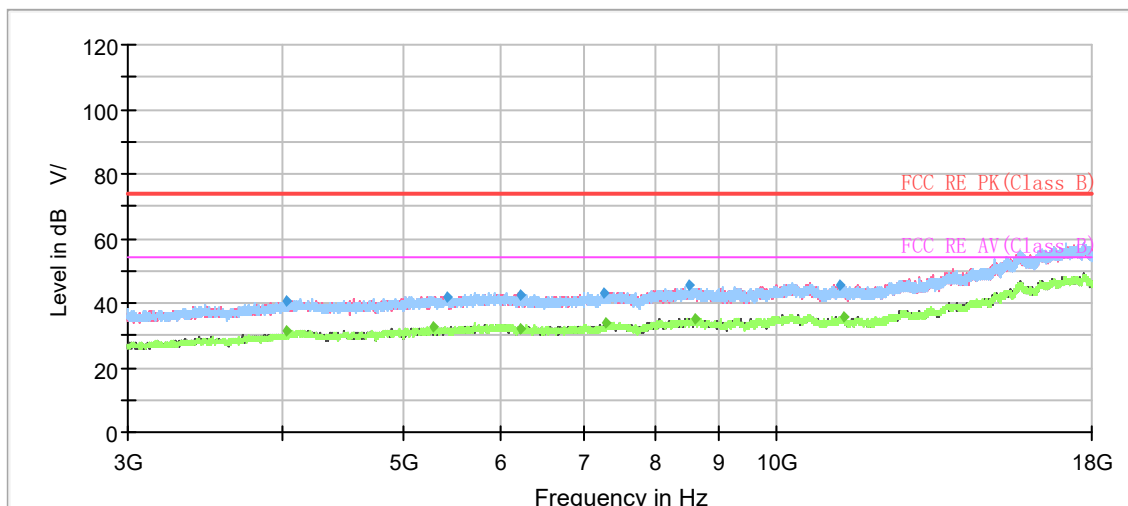


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1051.800000	---	31.93	54.00	22.07	200.0	H	208.0	-9
1052.533333	41.77	---	74.00	32.23	200.0	H	280.0	-9
1172.266667	42.68	---	74.00	31.32	200.0	H	286.0	-8
1189.933333	---	33.15	54.00	20.85	100.0	V	144.0	-8
1401.666667	43.14	---	74.00	30.86	100.0	H	244.0	-6
1439.266667	---	33.54	54.00	20.46	100.0	V	336.0	-6
1614.733333	44.19	---	74.00	29.81	100.0	V	357.0	-5
1638.133333	---	34.66	54.00	19.34	100.0	V	289.0	-5
1955.266667	46.04	---	74.00	27.96	100.0	V	330.0	-3
2073.466667	---	36.04	54.00	17.96	200.0	H	273.0	-3
2846.400000	---	38.12	54.00	15.88	200.0	H	228.0	1
2847.866667	47.74	---	74.00	26.26	200.0	H	347.0	1

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

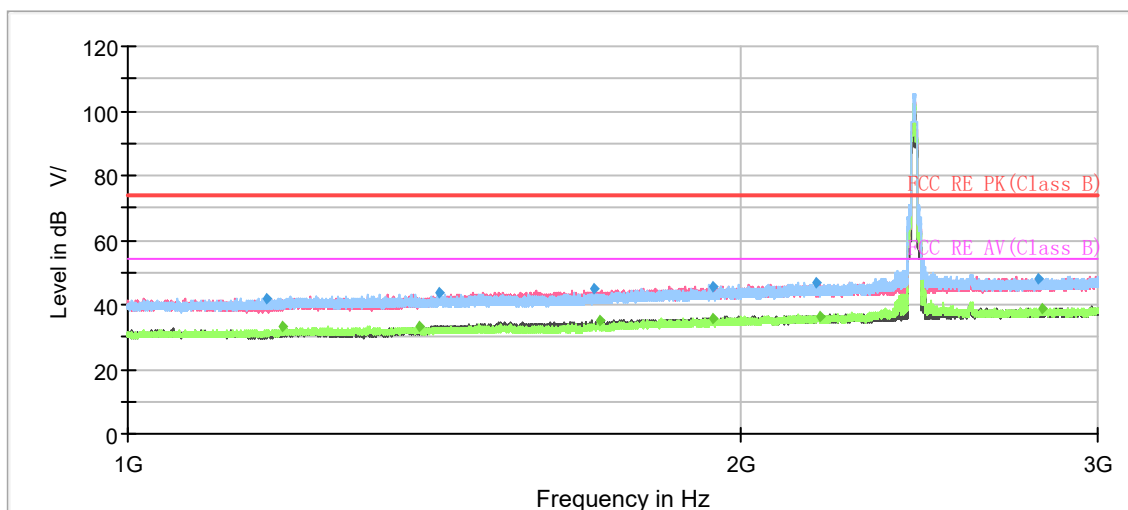


Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4036.000000	40.56	---	74.00	33.44	200.0	H	135.0	-3
4036.500000	---	31.14	54.00	22.86	200.0	V	176.0	-3
5287.000000	---	32.81	54.00	21.19	200.0	V	0.0	-1
5438.000000	42.15	---	74.00	31.85	100.0	H	170.0	-1
6221.000000	42.72	---	74.00	31.28	100.0	H	286.0	0
6232.000000	---	32.10	54.00	21.90	100.0	V	65.0	0
7277.500000	42.87	---	74.00	31.13	200.0	V	183.0	1
7291.500000	---	33.60	54.00	20.40	100.0	V	65.0	1
8530.500000	45.25	---	74.00	28.75	200.0	H	189.0	4
8616.500000	---	35.31	54.00	18.69	100.0	H	263.0	4
11277.500000	45.59	---	74.00	28.41	100.0	V	73.0	6
11347.000000	---	35.69	54.00	18.31	100.0	V	0.0	6

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

802.11b CH6

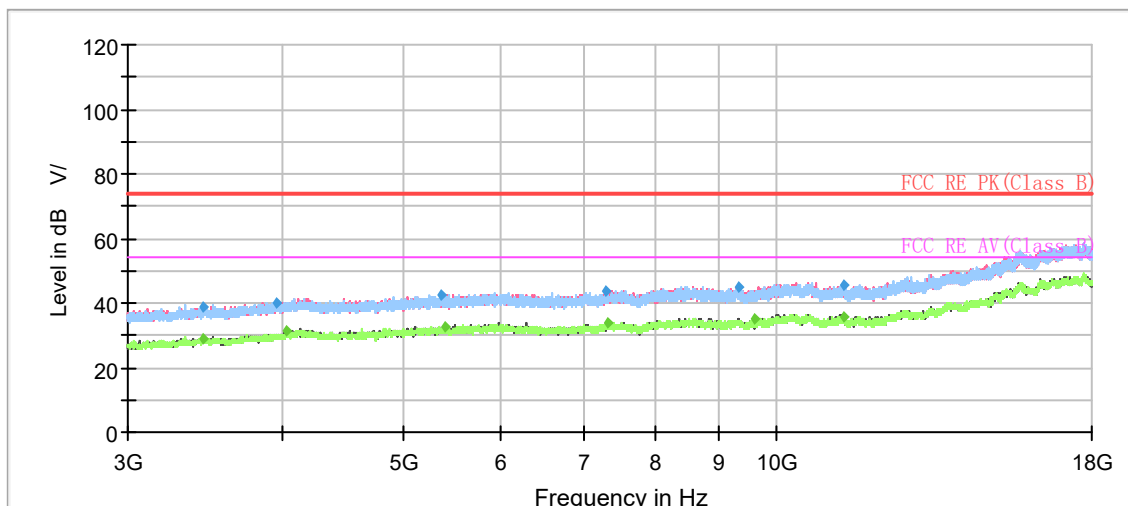


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1170.933333	42.08	---	74.00	31.92	100.0	V	293.0	-8
1192.466667	---	33.07	54.00	20.93	200.0	H	108.0	-8
1391.133333	---	33.54	54.00	20.46	200.0	H	268.0	-6
1421.400000	43.69	---	74.00	30.31	100.0	V	306.0	-6
1696.400000	45.04	---	74.00	28.96	100.0	V	172.0	-5
1708.666667	---	35.38	54.00	18.62	100.0	V	287.0	-5
1938.266667	45.65	---	74.00	28.36	100.0	V	226.0	-3
1941.866667	---	35.52	54.00	18.48	100.0	V	293.0	-3
2179.666667	46.80	---	74.00	27.20	100.0	V	332.0	-2
2191.200000	---	36.20	54.00	17.80	100.0	V	312.0	-2
2801.533333	47.92	---	74.00	26.08	100.0	H	164.0	1
2819.200000	---	38.75	54.00	15.25	200.0	H	176.0	1

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

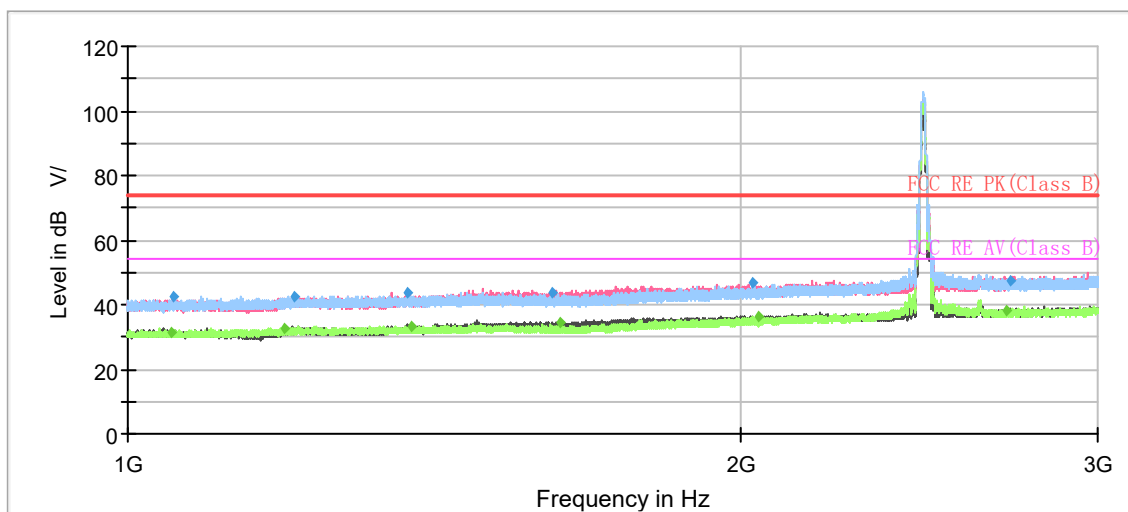


Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3451.000000	38.65	---	74.00	35.35	200.0	V	145.0	-6
3452.500000	---	28.80	54.00	25.20	200.0	V	270.0	-6
3959.000000	40.30	---	74.00	33.70	200.0	V	223.0	-4
4029.000000	---	31.66	54.00	22.34	200.0	V	302.0	-4
5369.500000	42.57	---	74.00	31.43	200.0	H	112.0	-1
5419.500000	---	32.71	54.00	21.29	200.0	V	161.0	-1
7295.500000	43.46	---	74.00	30.54	100.0	H	242.0	1
7332.000000	---	33.97	54.00	20.03	100.0	V	28.0	1
9348.500000	44.66	---	74.00	29.34	100.0	V	105.0	4
9626.000000	---	35.35	54.00	18.65	200.0	V	247.0	4
11339.500000	---	35.77	54.00	18.23	100.0	H	290.0	6
11371.000000	45.58	---	74.00	28.42	200.0	H	43.0	6

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

802.11b CH11

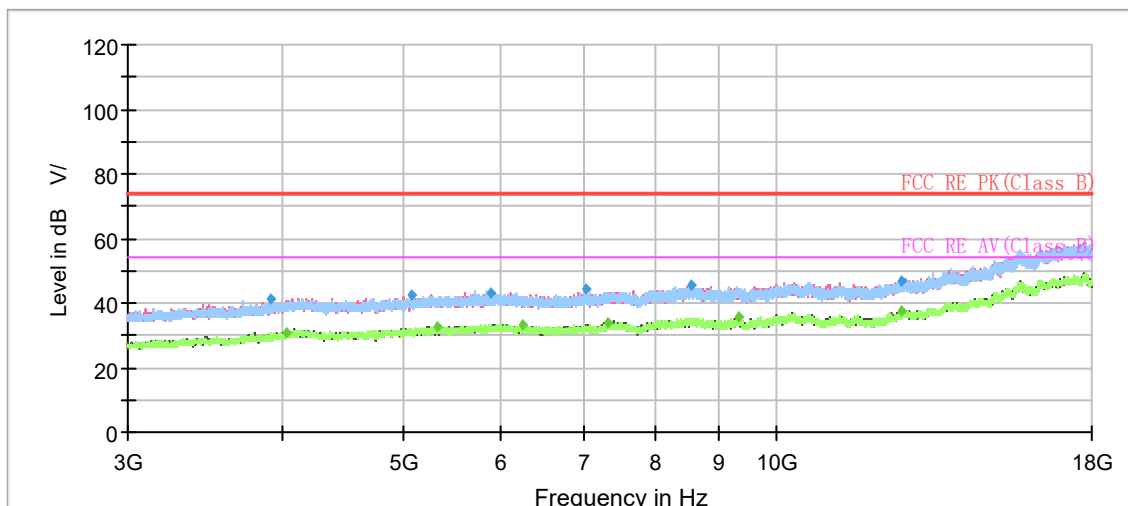


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1051.200000	---	31.43	54.00	22.57	200.0	V	141.0	-9
1051.866667	42.47	---	74.00	31.53	200.0	V	68.0	-9
1194.266667	---	32.84	54.00	21.16	100.0	V	295.0	-8
1206.933333	42.24	---	74.00	31.76	100.0	V	0.0	-8
1371.733333	43.43	---	74.00	30.57	100.0	H	6.0	-7
1377.466667	---	33.11	54.00	20.89	200.0	V	88.0	-6
1617.933333	43.88	---	74.00	30.12	200.0	V	218.0	-5
1630.600000	---	34.31	54.00	19.69	100.0	V	282.0	-5
2028.666667	46.86	---	74.00	27.14	200.0	V	101.0	-3
2044.933333	---	36.52	54.00	17.48	200.0	V	15.0	-3
2708.133333	---	38.37	54.00	15.63	100.0	V	248.0	1
2718.200000	47.57	---	74.00	26.43	200.0	H	170.0	1

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

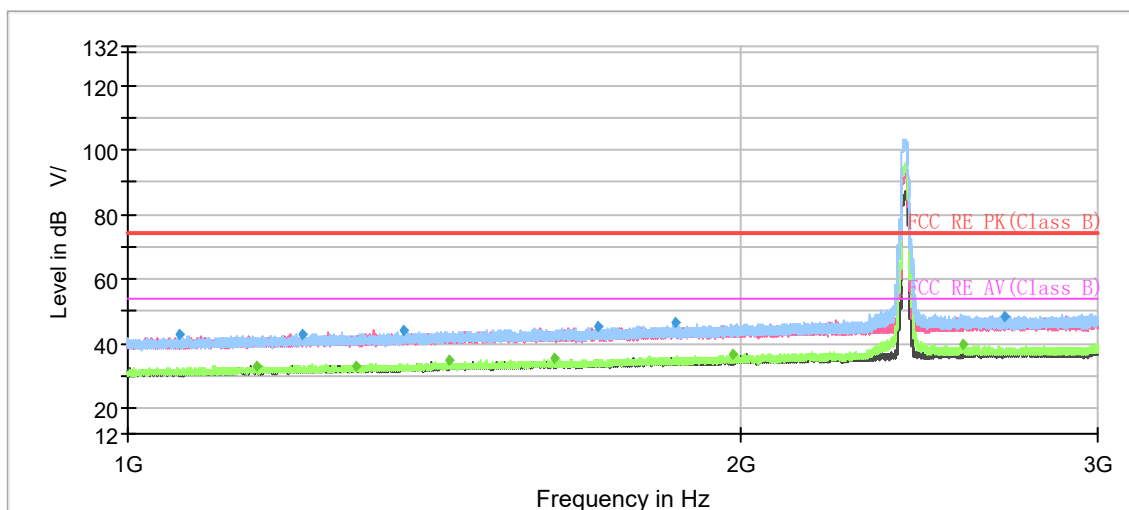


Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3908.000000	40.94	---	74.00	33.06	100.0	H	314.0	-4
4024.000000	---	30.87	54.00	23.13	200.0	H	52.0	-4
5079.000000	42.58	---	74.00	31.42	200.0	V	342.0	-1
5333.500000	---	32.61	54.00	21.39	200.0	H	29.0	-1
5891.500000	43.36	---	74.00	30.64	200.0	V	231.0	0
6241.500000	---	33.12	54.00	20.88	100.0	H	0.0	0
7042.500000	44.05	---	74.00	29.95	100.0	V	88.0	1
7334.000000	---	33.69	54.00	20.31	100.0	V	142.0	1
8553.000000	45.48	---	74.00	28.52	100.0	V	11.0	4
9334.500000	---	35.52	54.00	18.48	200.0	H	204.0	4
12633.000000	46.92	---	74.00	27.08	200.0	V	113.0	8
12642.000000	---	37.78	54.00	16.22	200.0	V	239.0	8

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

802.11g CH1

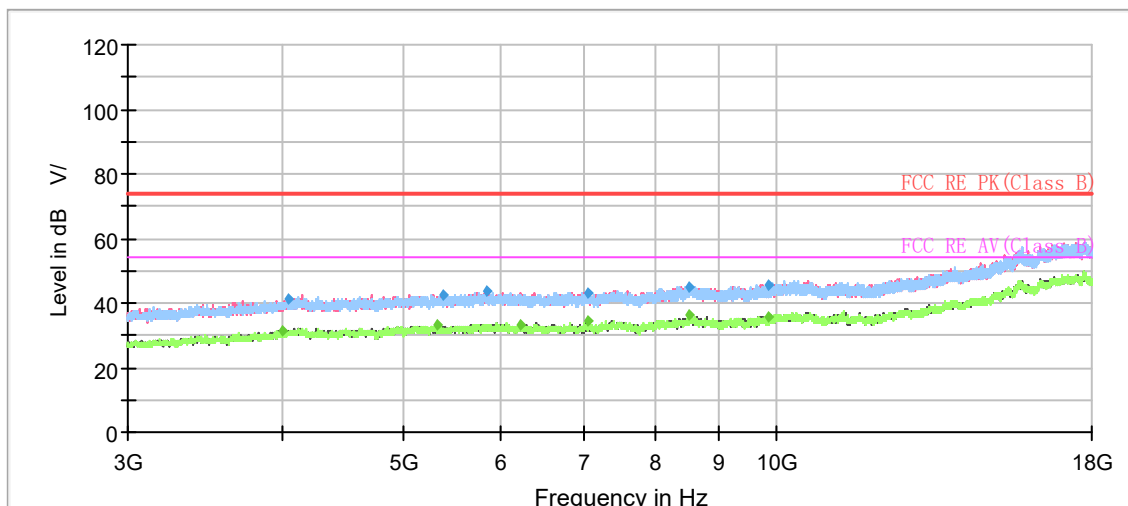


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1060.400000	42.46	---	74.00	31.54	100.0	H	120.0	-9
1157.466667	---	32.84	54.00	21.16	200.0	H	355.0	-8
1218.933333	42.51	---	74.00	31.49	200.0	V	20.0	-8
1293.600000	---	33.00	54.00	21.00	100.0	H	139.0	-7
1365.866667	43.84	---	74.00	30.16	200.0	H	302.0	-7
1440.133333	---	34.63	54.00	19.37	100.0	H	54.0	-6
1620.800000	---	35.17	54.00	18.83	200.0	H	137.0	-5
1702.466667	45.08	---	74.00	28.92	100.0	H	54.0	-5
1857.133333	46.36	---	74.00	27.64	200.0	V	349.0	-4
1985.133333	---	36.73	54.00	17.27	100.0	H	127.0	-3
2576.066667	---	39.82	54.00	14.18	100.0	H	139.0	0
2700.800000	48.31	---	74.00	25.69	100.0	H	120.0	1

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

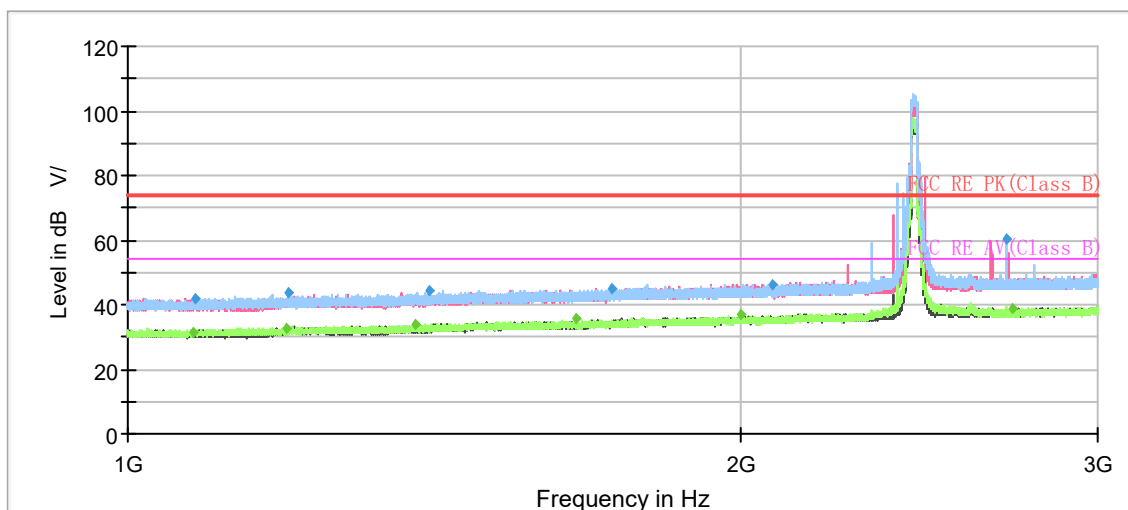


Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4006.00	---	31.48	54.00	22.52	200.0	V	4.00	-4
4037.00	41.01	---	74.00	32.99	200.0	H	152.00	-3
5322.50	---	32.99	54.00	21.01	100.0	V	92.00	-1
5384.50	42.71	---	74.00	31.29	200.0	H	41.00	-1
5855.50	43.55	---	74.00	30.45	100.0	H	152.00	0
6221.50	---	33.21	54.00	20.79	200.0	V	0.00	0
7054.00	43.16	---	74.00	30.84	100.0	H	241.00	1
7058.50	---	34.22	54.00	19.78	200.0	V	40.00	1
8519.50	---	36.13	54.00	17.87	200.0	H	104.00	4
8520.50	45.11	---	74.00	28.89	100.0	H	305.00	4
9852.00	---	35.48	54.00	18.52	200.0	V	179.00	4
9876.50	45.82	---	74.00	28.18	200.0	H	160.00	4

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

802.11g CH6

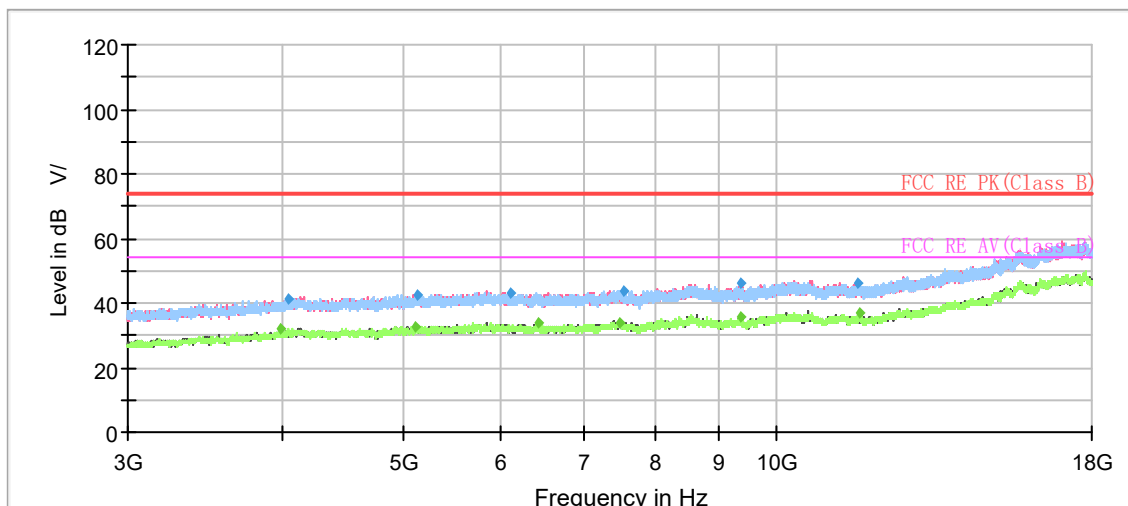


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1077.533333	---	31.62	54.00	22.38	200.0	H	324.0	-8
1080.000000	41.64	---	74.00	32.36	200.0	H	123.0	-8
1196.066667	---	32.76	54.00	21.24	200.0	H	116.0	-8
1199.866667	43.89	---	74.00	30.11	100.0	H	5.0	-8
1385.866667	---	34.03	54.00	19.97	100.0	H	0.0	-6
1406.333333	44.47	---	74.00	29.53	200.0	H	82.0	-6
1661.533333	---	35.72	54.00	18.28	100.0	H	58.0	-5
1730.533333	44.73	---	74.00	29.27	200.0	H	176.0	-4
2003.466667	---	36.64	54.00	17.36	200.0	H	305.0	-3
2077.533333	46.44	---	74.00	27.56	100.0	H	225.0	-3
2704.866667	60.20	---	74.00	13.80	200.0	H	324.0	1
2724.066667	---	38.56	54.00	15.44	100.0	H	273.0	1

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

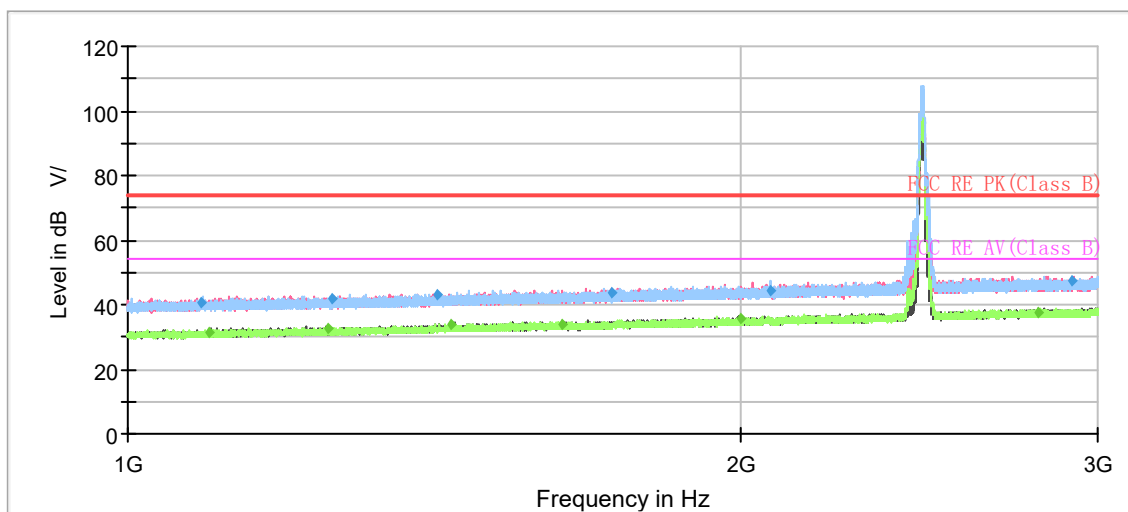


Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3987.00	---	31.70	54.00	22.30	200.0	V	164.00	-4
4042.00	41.29	---	74.00	32.71	200.0	H	294.00	-3
5129.50	---	32.86	54.00	21.14	200.0	H	0.00	-1
5139.50	42.39	---	74.00	31.61	100.0	V	0.00	-1
6109.50	42.81	---	74.00	31.19	200.0	V	332.00	0
6438.00	---	33.71	54.00	20.29	200.0	V	197.00	0
7497.00	---	33.86	54.00	20.14	100.0	V	78.00	1
7551.00	43.69	---	74.00	30.31	200.0	H	80.00	1
9356.00	---	35.98	54.00	18.02	100.0	V	141.00	4
9381.50	46.18	---	74.00	27.82	200.0	H	163.00	4
11664.00	46.35	---	74.00	27.65	100.0	V	102.00	6
11702.00	---	36.96	54.00	17.04	200.0	H	196.00	6

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

802.11g CH10

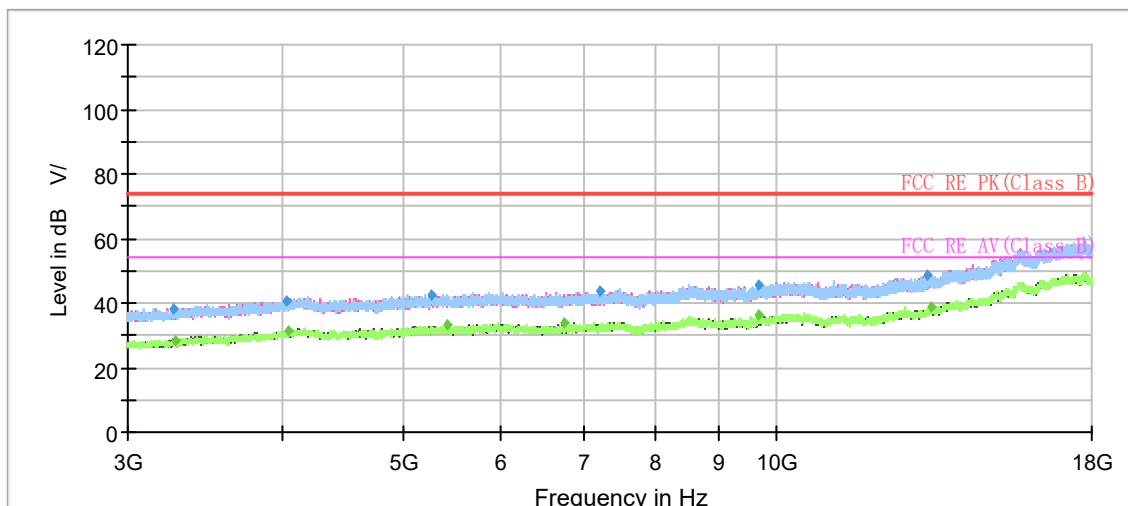


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1086.40	40.82	---	74.00	33.18	200.0	H	216.00	-8
1096.34	---	31.59	54.00	22.41	200.0	V	88.00	-8
1254.91	---	32.32	54.00	21.68	100.0	V	324.00	-7
1260.49	41.74	---	74.00	32.26	200.0	H	247.00	-7
1420.16	42.83	---	74.00	31.17	100.0	H	29.00	-6
1441.64	---	33.77	54.00	20.23	200.0	V	110.00	-6
1634.19	---	33.72	54.00	20.28	200.0	H	95.00	-5
1728.38	43.62	---	74.00	30.38	200.0	V	58.00	-4
2002.77	---	35.42	54.00	18.58	200.0	V	0.00	-3
2071.45	44.43	---	74.00	29.57	100.0	H	36.00	-3
2805.97	---	37.26	54.00	16.74	200.0	H	119.00	1
2914.12	47.41	---	74.00	26.59	200.0	V	274.00	1

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

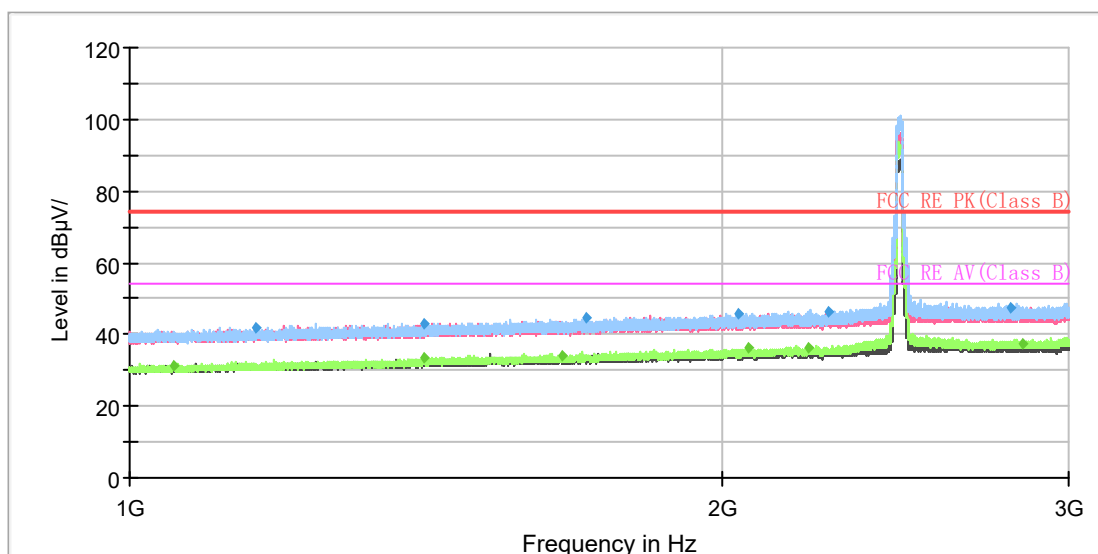


Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3269.50	37.88	---	74.00	36.12	200.0	V	230.00	-7
3283.50	---	28.24	54.00	25.76	200.0	V	95.00	-7
4032.00	40.58	---	74.00	33.42	100.0	V	0.00	-4
4040.50	---	31.11	54.00	22.89	200.0	V	111.00	-3
5271.50	42.73	---	74.00	31.27	200.0	V	222.00	-1
5424.50	---	33.06	54.00	20.94	200.0	H	4.00	-1
6749.00	---	33.84	54.00	20.16	100.0	H	176.00	0
7211.00	43.66	---	74.00	30.34	200.0	H	240.00	1
9683.50	45.38	---	74.00	28.62	100.0	H	255.00	4
9705.50	---	36.06	54.00	17.94	100.0	V	347.00	4
13278.00	48.72	---	74.00	25.28	200.0	V	207.00	9
13352.00	---	38.79	54.00	15.21	200.0	V	230.00	9

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

802.11g CH11

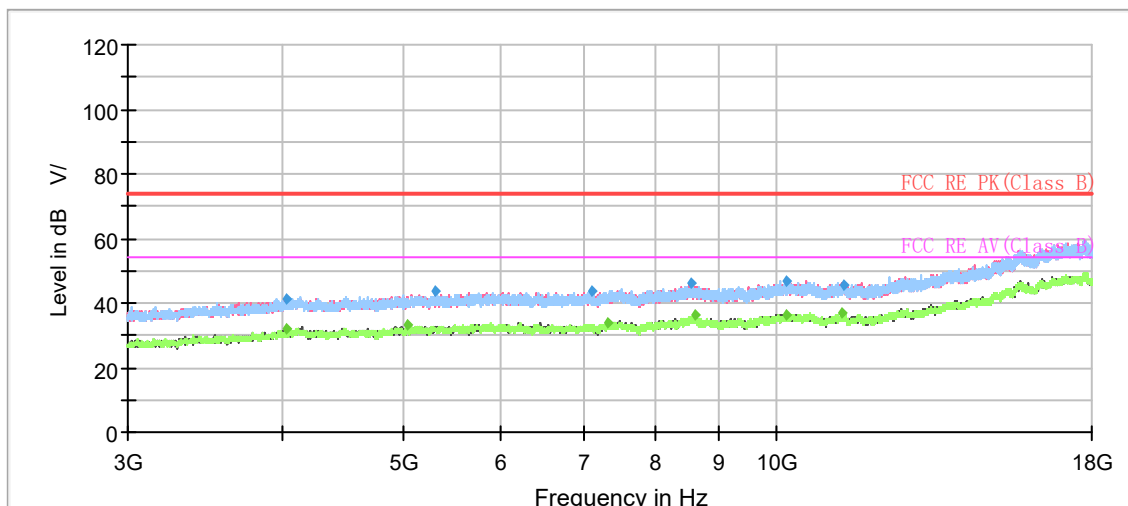


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1052.533333	---	31.36	54.00	22.64	200.0	H	89.0	-8
1159.400000	41.72	---	74.00	32.28	100.0	V	81.0	-8
1409.733330	42.87	---	74.00	31.13	100.0	H	106.0	-6
1412.000000	---	33.60	54.00	20.40	100.0	H	98.0	-6
1657.333333	---	33.84	54.00	20.16	200.0	H	359.0	-5
1706.933333	44.42	---	74.00	29.58	100.0	H	240.0	-5
2036.200000	45.87	---	74.00	28.13	100.0	H	156.0	-3
2060.000000	---	36.31	54.00	17.69	200.0	H	226.0	-3
2211.933333	---	36.28	54.00	17.72	200.0	H	240.0	-2
2265.266667	46.56	---	74.00	27.44	200.0	H	351.0	-2
2801.866667	47.48	---	74.00	26.52	200.0	H	204.0	1
2845.466667	---	37.50	54.00	16.50	100.0	H	170.0	1

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

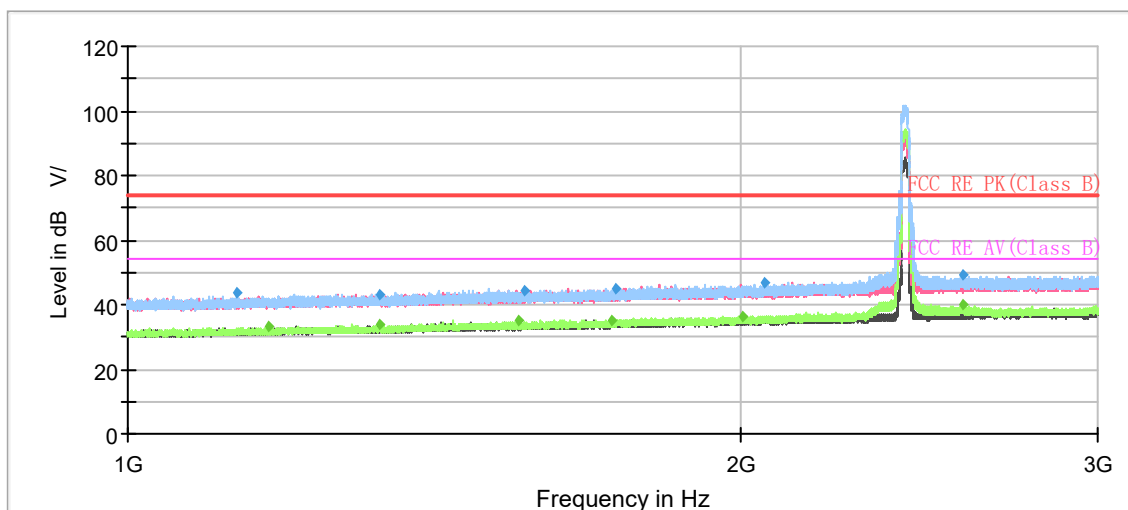


Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4023.50	41.17	---	74.00	32.83	200.0	H	41.00	-4
4025.00	---	31.71	54.00	22.29	200.0	H	121.00	-4
5051.00	---	32.94	54.00	21.06	100.0	H	297.00	-1
5310.00	43.69	---	74.00	30.31	200.0	V	91.00	-1
7100.00	43.52	---	74.00	30.48	200.0	V	40.00	1
7334.00	---	33.95	54.00	20.05	200.0	H	0.00	1
8558.50	46.45	---	74.00	27.55	200.0	H	113.00	4
8619.50	---	36.08	54.00	17.92	100.0	V	63.00	4
10213.00	46.60	---	74.00	27.40	100.0	H	337.00	5
10214.50	---	36.26	54.00	17.74	100.0	V	256.00	5
11321.00	---	36.66	54.00	17.34	200.0	V	337.00	6
11350.00	45.57	---	74.00	28.43	200.0	H	312.00	6

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

802.11n (HT20) CH1

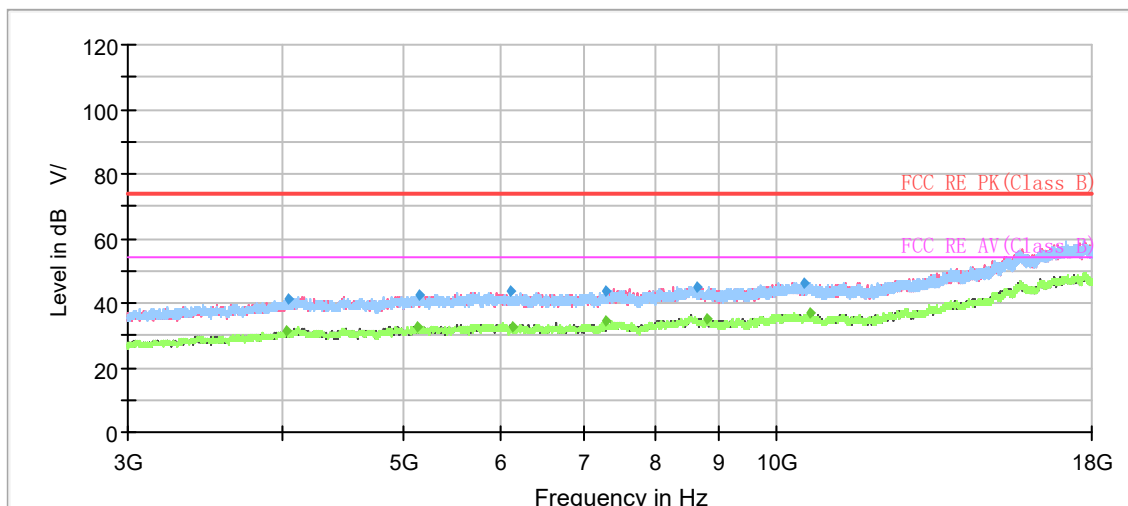


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1130.800000	43.57	---	74.00	30.43	200.0	H	264.0	-8
1172.866667	---	33.13	54.00	20.87	100.0	V	292.0	-8
1330.533333	42.93	---	74.00	31.07	200.0	H	264.0	-7
1330.866667	---	33.56	54.00	20.44	200.0	H	284.0	-7
1558.133333	---	34.82	54.00	19.18	200.0	V	224.0	-5
1566.133333	44.34	---	74.00	29.66	200.0	H	233.0	-5
1731.533333	---	35.31	54.00	18.69	200.0	H	252.0	-4
1738.866667	44.81	---	74.00	29.19	100.0	V	344.0	-4
2006.933333	---	36.46	54.00	17.54	100.0	H	134.0	-3
2058.133333	46.73	---	74.00	27.27	100.0	H	29.0	-3
2574.866667	---	39.92	54.00	14.08	200.0	H	210.0	0
2577.133333	49.22	---	74.00	24.78	100.0	H	188.0	0

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

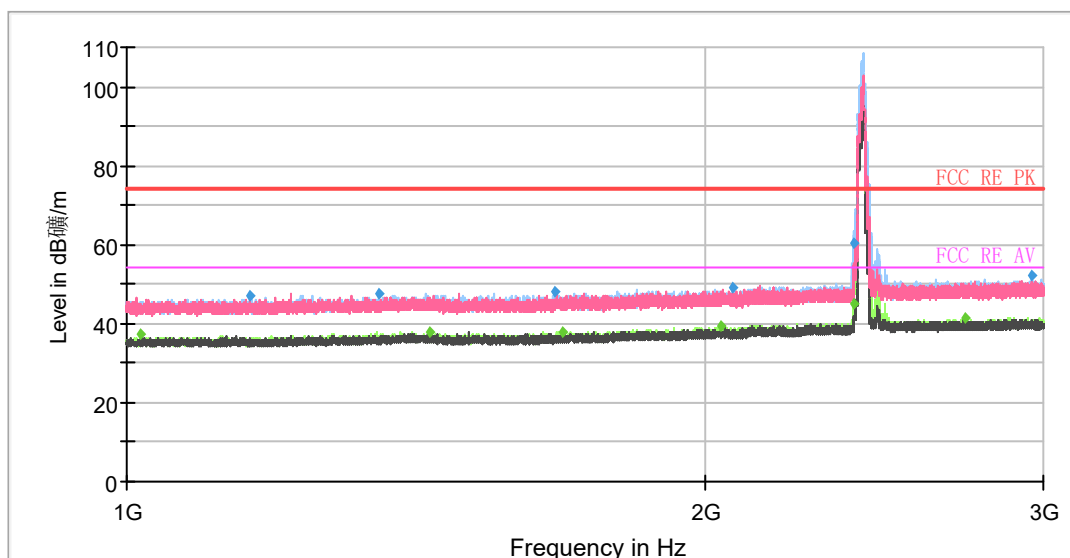


Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4036.50	---	31.18	54.00	22.82	200.0	V	244.00	-3
4038.50	40.98	---	74.00	33.02	200.0	V	301.00	-3
5139.00	---	32.83	54.00	21.17	200.0	V	202.00	-1
5153.00	42.38	---	74.00	31.62	200.0	H	12.00	-1
6119.00	43.55	---	74.00	30.45	200.0	V	22.00	0
6140.50	---	32.92	54.00	21.08	200.0	V	244.00	0
7294.00	---	34.24	54.00	19.76	200.0	V	0.00	1
7298.50	43.58	---	74.00	30.42	100.0	V	154.00	1
8656.00	44.89	---	74.00	29.11	200.0	H	91.00	4
8819.00	---	35.04	54.00	18.96	100.0	V	50.00	3
10553.50	46.46	---	74.00	27.54	100.0	V	2.00	5
10663.50	---	36.78	54.00	17.22	200.0	V	114.00	5

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

802.11n (HT20) CH2

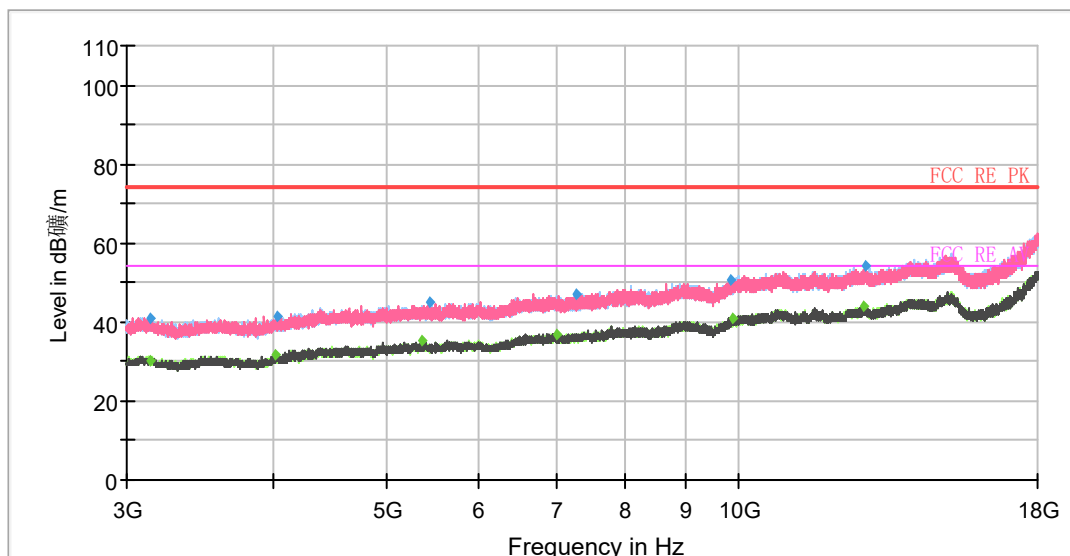


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1016.47	---	37.22	54.00	16.78	100.0	H	67.00	-10
1160.13	47.05	---	74.00	26.95	100.0	V	351.00	-9
1353.20	47.54	---	74.00	26.46	200.0	H	290.00	-7
1438.27	---	37.86	54.00	16.14	100.0	H	0.00	-7
1669.93	47.84	---	74.00	26.16	200.0	H	353.00	-6
1686.80	---	37.94	54.00	16.06	100.0	H	177.00	-6
2037.20	---	39.54	54.00	14.46	100.0	V	0.00	-5
2065.47	48.94	---	74.00	25.06	100.0	H	93.00	-5
2389.40	---	44.93	54.00	9.07	100.0	H	218.00	-4
2389.93	60.31	---	74.00	13.69	100.0	H	218.00	-4
2733.53	---	41.48	54.00	12.52	100.0	H	164.00	-4
2955.20	51.97	---	74.00	22.03	200.0	H	330.00	-3

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

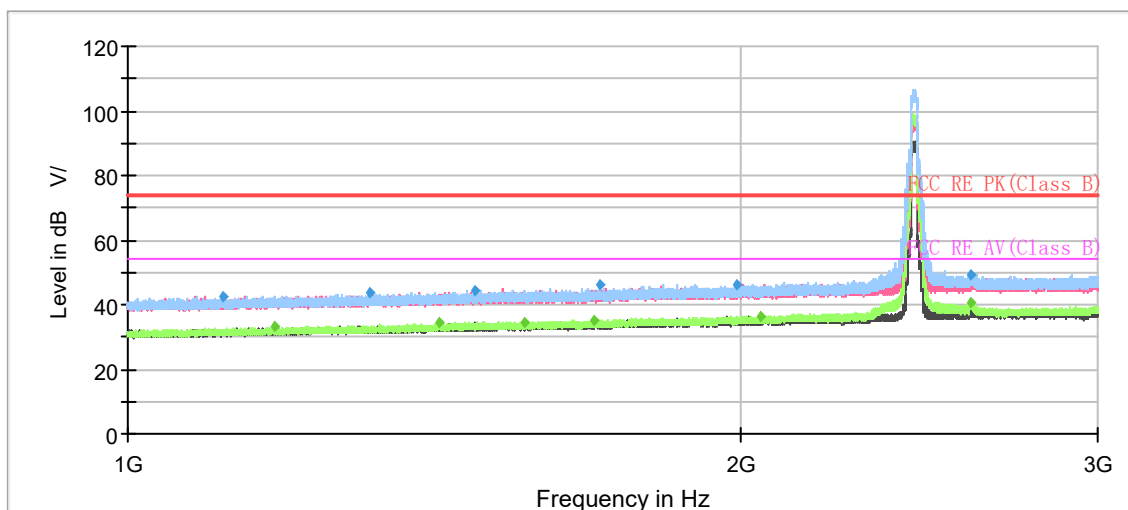


Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3138.50	---	30.21	54.00	23.79	100.0	H	212.00	-13
3140.50	40.68	---	74.00	33.32	200.0	H	303.00	-13
4024.50	---	31.57	54.00	22.43	200.0	H	15.00	-11
4040.50	41.49	---	74.00	32.51	200.0	H	166.00	-11
5366.00	---	35.17	54.00	18.83	200.0	V	356.00	-7
5450.50	44.78	---	74.00	29.22	100.0	H	240.00	-7
6993.50	---	37.03	54.00	16.97	200.0	V	356.00	-3
7257.50	47.31	---	74.00	26.69	100.0	V	68.00	-4
9847.00	50.69	---	74.00	23.31	200.0	V	101.00	-1
9865.00	---	41.18	54.00	12.82	100.0	V	196.00	-1
12798.00	---	43.82	54.00	10.18	200.0	V	172.00	2
12832.50	54.36	---	74.00	19.64	100.0	H	324.00	2

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

802.11n (HT20) CH6

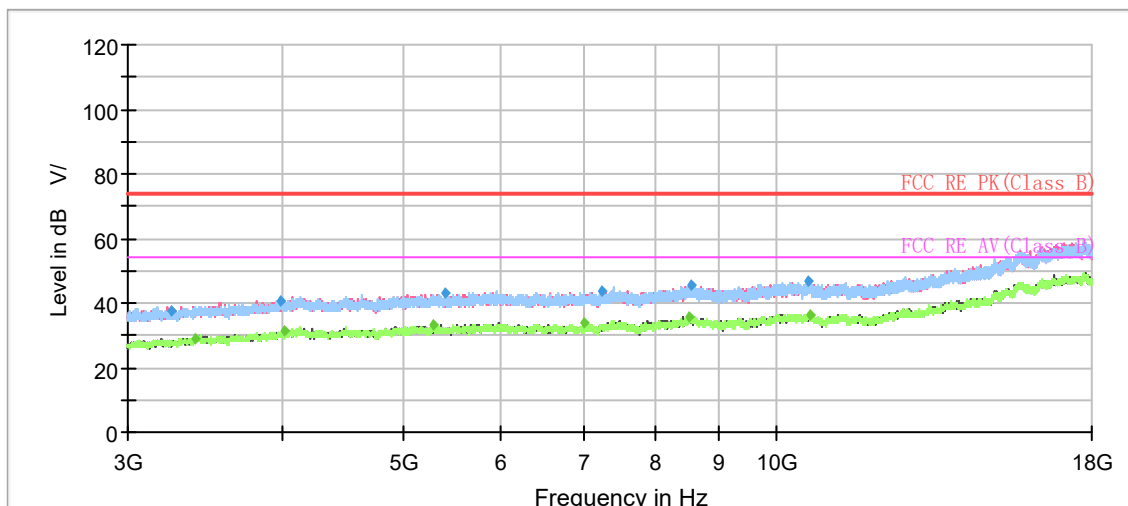


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1112.800000	42.71	---	74.00	31.29	200.0	V	223.0	-8
1181.333333	---	33.02	54.00	20.98	100.0	H	59.0	-8
1316.466667	43.80	---	74.00	30.20	100.0	V	280.0	-7
1422.533333	---	34.49	54.00	19.51	200.0	H	322.0	-6
1482.800000	44.49	---	74.00	29.51	100.0	H	39.0	-6
1568.333333	---	34.49	54.00	19.51	200.0	H	138.0	-5
1695.000000	---	35.13	54.00	18.87	200.0	H	297.0	-5
1706.866667	45.91	---	74.00	28.09	100.0	H	117.0	-5
1994.200000	46.18	---	74.00	27.82	200.0	H	72.0	-3
2049.066667	---	36.47	54.00	17.53	100.0	H	149.0	-3
2600.333333	49.34	---	74.00	24.66	100.0	H	183.0	0
2600.333333	---	40.41	54.00	13.59	200.0	H	179.0	0

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

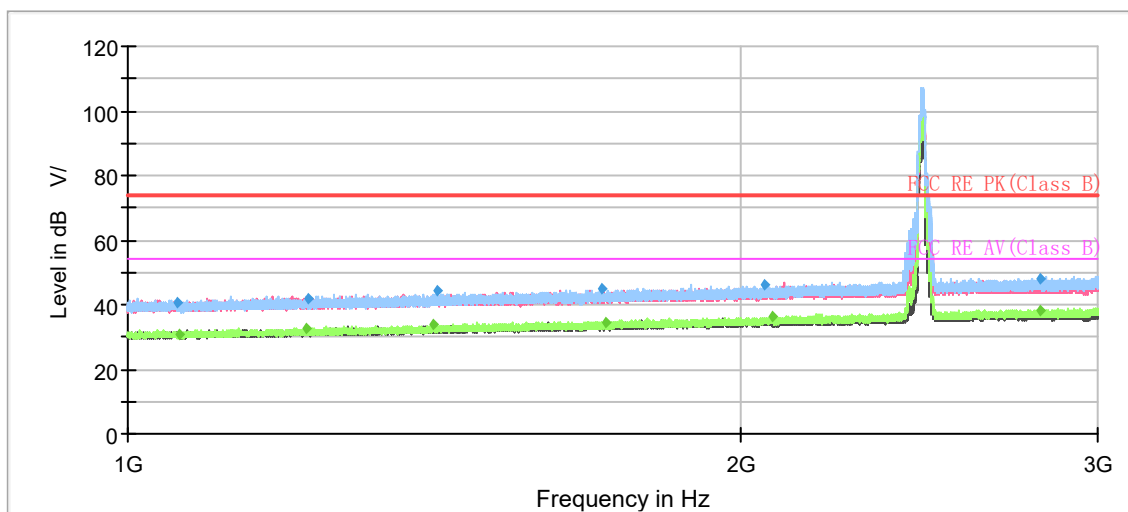


Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3257.50	37.76	---	74.00	36.24	200.0	V	0.00	-7
3397.00	---	29.20	54.00	24.80	100.0	V	42.00	-7
3987.50	40.81	---	74.00	33.19	200.0	H	66.00	-4
4019.50	---	31.26	54.00	22.74	200.0	H	47.00	-4
5296.50	---	33.09	54.00	20.91	200.0	V	340.00	-1
5414.50	43.12	---	74.00	30.88	100.0	H	0.00	-1
7000.50	---	33.77	54.00	20.23	100.0	H	9.00	1
7249.00	43.88	---	74.00	30.12	100.0	H	183.00	1
8524.50	---	35.85	54.00	18.15	200.0	H	66.00	4
8552.00	45.56	---	74.00	28.44	200.0	H	276.00	4
10621.50	46.53	---	74.00	27.47	100.0	V	130.00	5
10659.00	---	36.38	54.00	17.62	100.0	V	237.00	5

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

802.11n (HT20) CH10

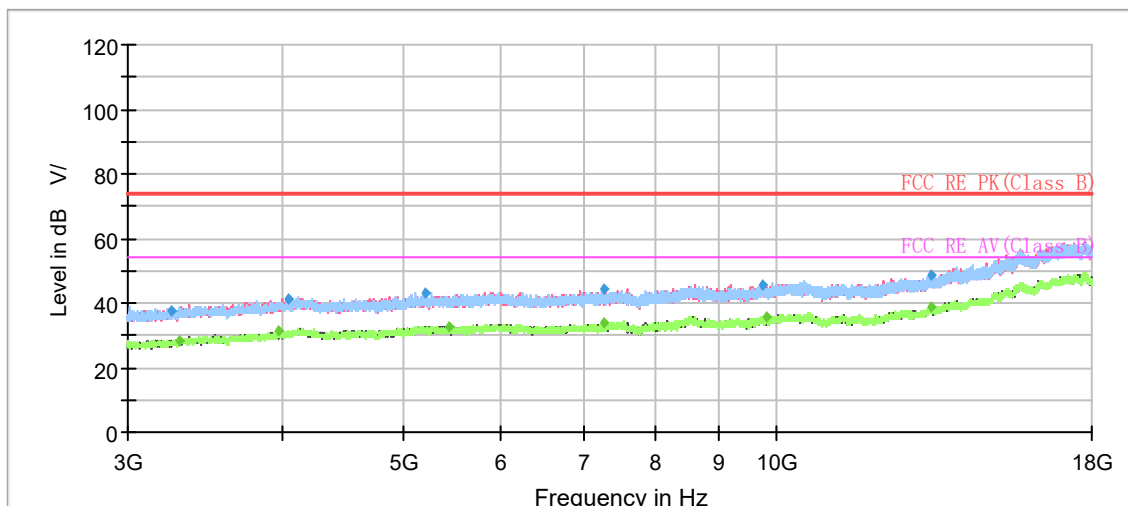


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1058.80	40.40	---	74.00	33.60	200.0	H	233.00	-9
1060.27	---	30.91	54.00	23.09	100.0	H	204.00	-9
1225.33	---	32.67	54.00	21.33	200.0	H	159.00	-7
1227.93	41.76	---	74.00	32.24	100.0	H	112.00	-7
1413.07	---	33.64	54.00	20.36	100.0	H	263.00	-6
1420.87	44.07	---	74.00	29.93	200.0	H	100.00	-6
1710.00	44.80	---	74.00	29.20	100.0	H	233.00	-5
1716.93	---	34.75	54.00	19.25	100.0	H	64.00	-5
2058.93	45.95	---	74.00	28.05	100.0	H	204.00	-3
2074.53	---	36.16	54.00	17.84	200.0	H	280.00	-3
2810.27	---	38.42	54.00	15.58	200.0	H	11.00	1
2811.13	48.29	---	74.00	25.71	100.0	H	105.00	1

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

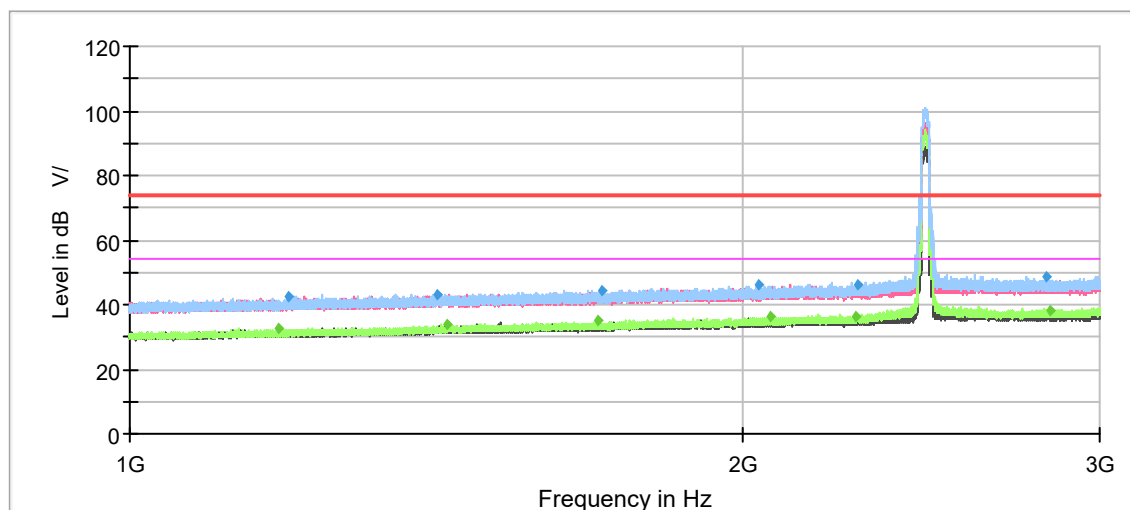


Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3256.50	37.42	---	74.00	36.58	200.0	V	173.00	-7
3299.00	---	28.16	54.00	25.84	200.0	V	110.00	-7
3973.50	---	31.30	54.00	22.70	200.0	H	39.00	-4
4039.00	41.09	---	74.00	32.91	200.0	H	203.00	-3
5208.00	43.32	---	74.00	30.68	100.0	H	29.00	-1
5451.00	---	32.86	54.00	21.14	200.0	H	282.00	-1
7264.00	44.15	---	74.00	29.85	100.0	V	57.00	1
7278.50	---	33.84	54.00	20.16	200.0	H	9.00	1
9774.00	45.83	---	74.00	28.17	200.0	V	181.00	4
9845.50	---	35.79	54.00	18.21	100.0	H	203.00	4
13329.00	---	38.89	54.00	15.11	200.0	H	321.00	9
13350.00	48.68	---	74.00	25.32	200.0	V	237.00	9

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

802.11n (HT20) CH11

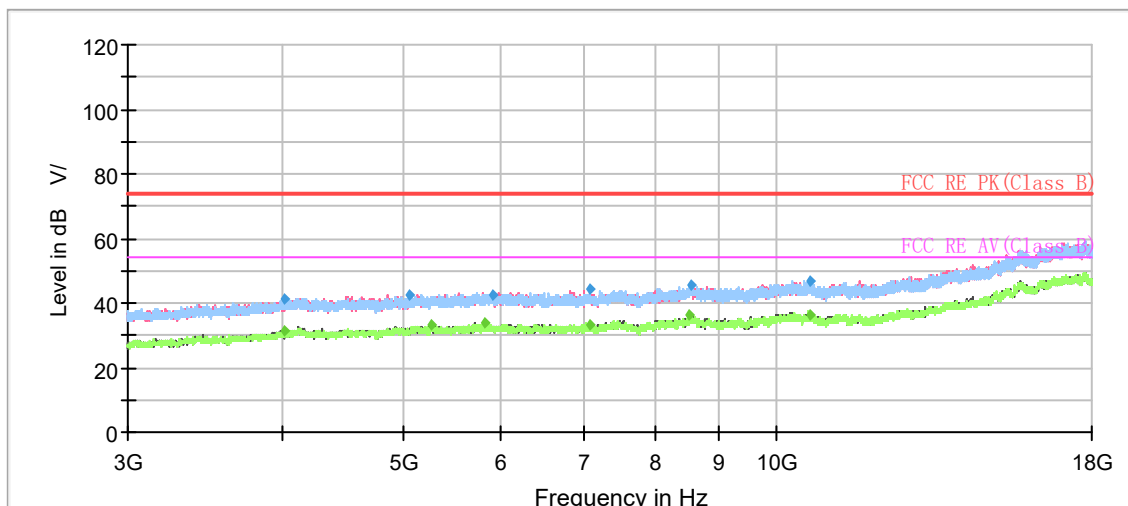


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1184.733333	---	32.70	54.00	21.30	200.0	H	89.0	-8
1197.066667	42.29	---	74.00	31.71	100.0	V	81.0	-8
1417.400000	43.12	---	74.00	30.88	100.0	H	106.0	-6
1432.000000	---	33.60	54.00	20.40	100.0	H	98.0	-6
1697.733333	---	34.99	54.00	19.01	200.0	H	359.0	-5
1706.933333	44.42	---	74.00	29.58	100.0	H	240.0	-5
2036.200000	45.87	---	74.00	28.13	100.0	H	156.0	-3
2066.000000	---	36.31	54.00	17.69	200.0	H	226.0	-3
2273.866667	---	36.31	54.00	17.69	200.0	H	240.0	-2
2279.666667	46.29	---	74.00	27.71	200.0	H	351.0	-2
2822.066667	48.65	---	74.00	25.35	200.0	H	204.0	1
2836.866667	---	38.07	54.00	15.93	100.0	H	170.0	1

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

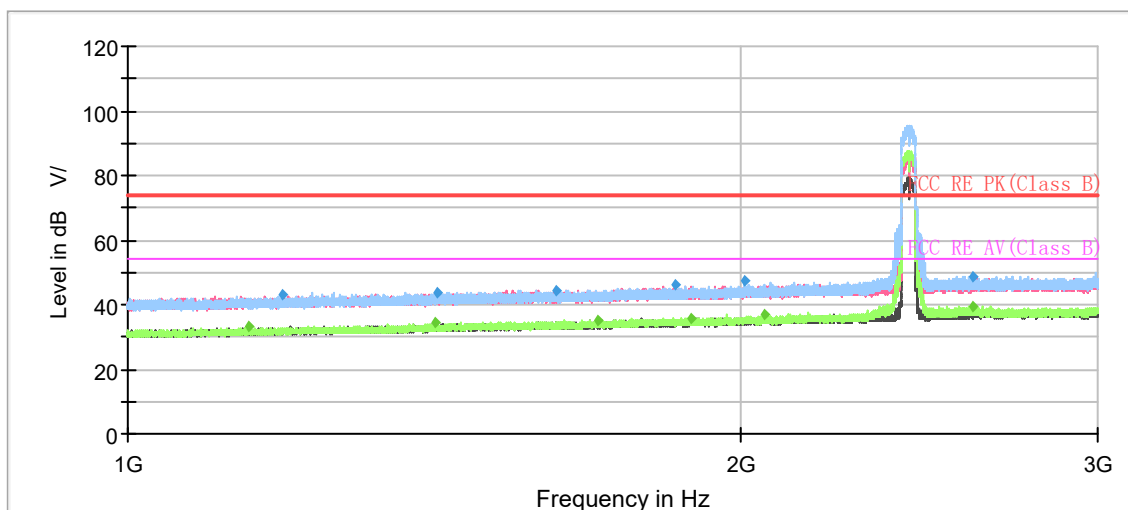


Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4008.00	---	31.28	54.00	22.72	100.0	H	0.00	-4
4020.50	41.23	---	74.00	32.77	200.0	V	131.00	-4
5064.50	42.61	---	74.00	31.39	200.0	H	345.00	-1
5281.50	---	33.36	54.00	20.64	200.0	V	57.00	-1
5829.00	---	33.93	54.00	20.07	200.0	V	325.00	0
5911.50	42.75	---	74.00	31.25	200.0	V	294.00	0
7074.50	---	32.98	54.00	21.02	200.0	V	0.00	1
7085.00	44.02	---	74.00	29.98	200.0	V	246.00	1
8522.00	---	36.29	54.00	17.71	100.0	V	69.00	4
8560.50	45.74	---	74.00	28.26	200.0	H	113.00	4
10658.00	---	36.50	54.00	17.50	200.0	V	278.00	5
10664.50	46.64	---	74.00	27.36	100.0	V	85.00	5

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

802.11n (HT40) CH3

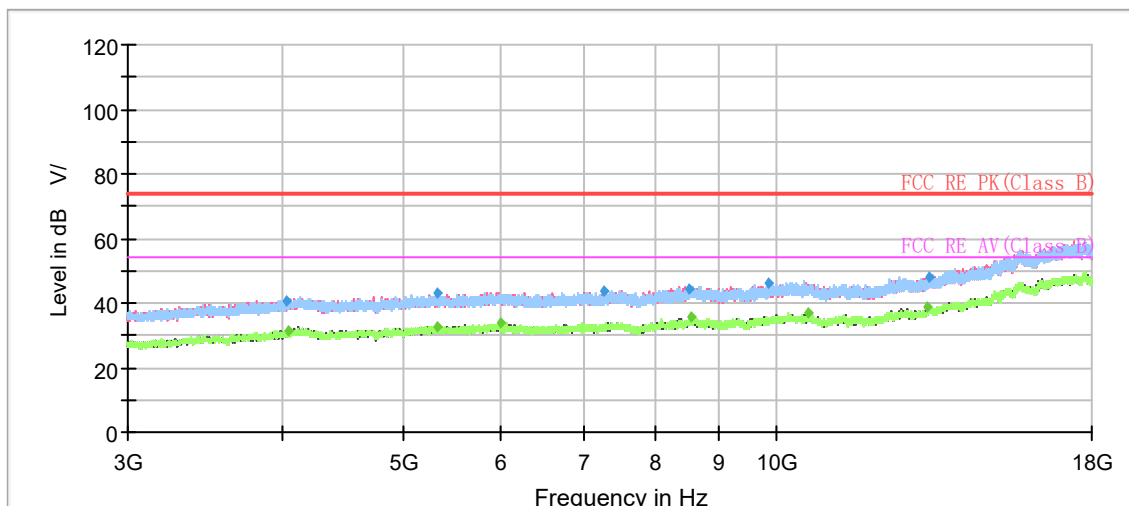


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1147.933333	---	33.00	54.00	21.00	200.0	H	310.0	-8
1191.066667	42.86	---	74.00	31.14	200.0	H	316.0	-8
1416.733333	---	34.28	54.00	19.72	200.0	V	49.0	-6
1419.533333	43.92	---	74.00	30.08	100.0	V	344.0	-6
1623.666667	44.47	---	74.00	29.53	200.0	V	101.0	-5
1704.733333	---	35.29	54.00	18.71	200.0	H	208.0	-5
1858.066667	45.98	---	74.00	28.02	200.0	V	0.0	-4
1892.666667	---	35.73	54.00	18.27	200.0	H	234.0	-4
2009.266667	47.22	---	74.00	26.78	200.0	H	228.0	-3
2057.933333	---	36.99	54.00	17.01	200.0	H	0.0	-3
2603.000000	48.64	---	74.00	25.36	200.0	H	185.0	0
2605.600000	---	39.31	54.00	14.69	200.0	H	342.0	0

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

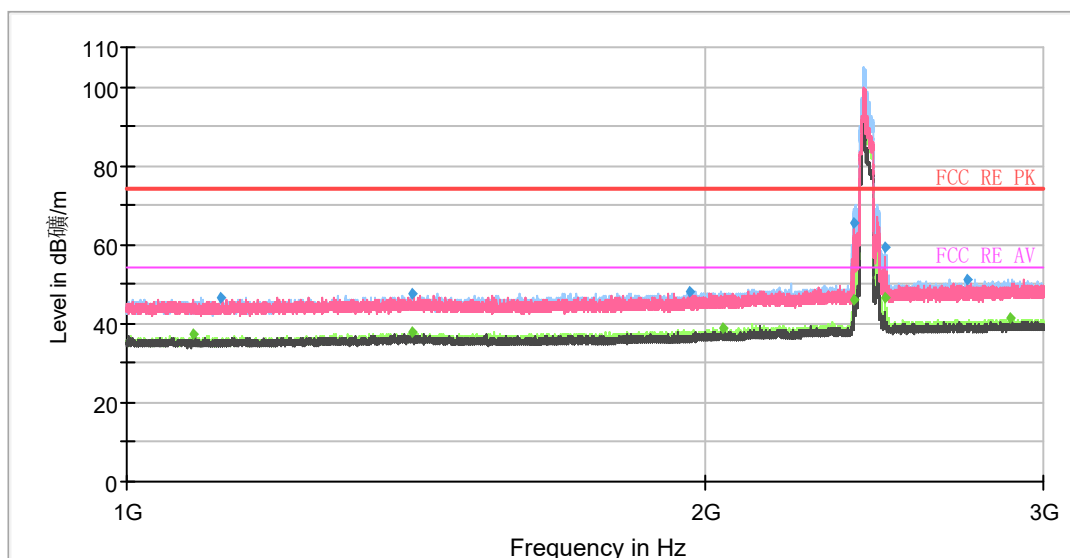


Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4027.50	40.71	---	74.00	33.29	200.0	V	246.00	-4
4038.00	---	31.35	54.00	22.65	200.0	H	121.00	-3
5325.50	42.97	---	74.00	31.03	200.0	V	352.00	-1
5330.00	---	32.79	54.00	21.21	200.0	H	0.00	-1
5996.00	---	33.82	54.00	20.18	200.0	V	207.00	0
7264.50	43.61	---	74.00	30.39	100.0	V	277.00	1
8531.50	44.44	---	74.00	29.56	200.0	H	137.00	4
8553.50	---	35.72	54.00	18.28	100.0	V	0.00	4
9885.50	46.27	---	74.00	27.73	100.0	V	82.00	4
10620.00	---	36.91	54.00	17.09	100.0	V	35.00	5
13261.00	---	39.07	54.00	14.93	200.0	H	31.00	9
13286.00	48.21	---	74.00	25.79	200.0	H	278.00	9

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

802.11n (HT40) CH4

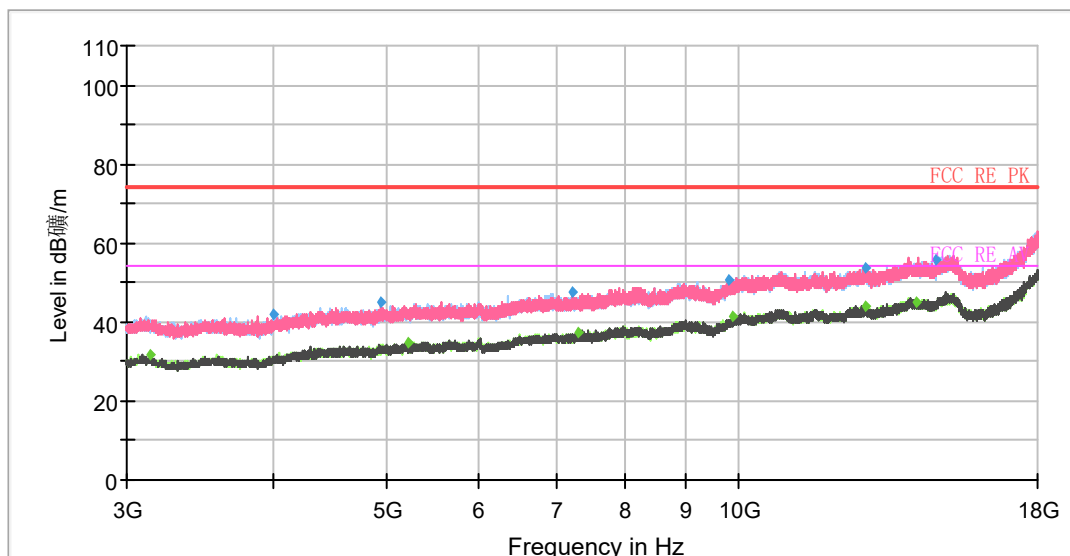


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1082.20	---	37.26	54.00	16.74	100.0	H	67.00	-9
1118.87	46.67	---	74.00	27.33	100.0	H	2.00	-9
1407.93	47.38	---	74.00	26.62	100.0	H	67.00	-7
1408.00	---	37.85	54.00	16.15	200.0	H	283.00	-7
1961.53	48.20	---	74.00	25.80	200.0	V	277.00	-5
2043.00	---	38.82	54.00	15.18	100.0	H	189.00	-5
2388.80	---	46.07	54.00	7.93	100.0	H	245.00	-4
2389.60	65.41	---	74.00	8.59	100.0	H	261.00	-4
2484.00	59.24	---	74.00	14.76	100.0	H	217.00	-4
2484.00	---	46.56	54.00	7.44	100.0	H	217.00	-4
2735.60	51.31	---	74.00	22.69	200.0	V	235.00	-4
2881.87	---	41.20	54.00	12.80	200.0	H	358.00	-3

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

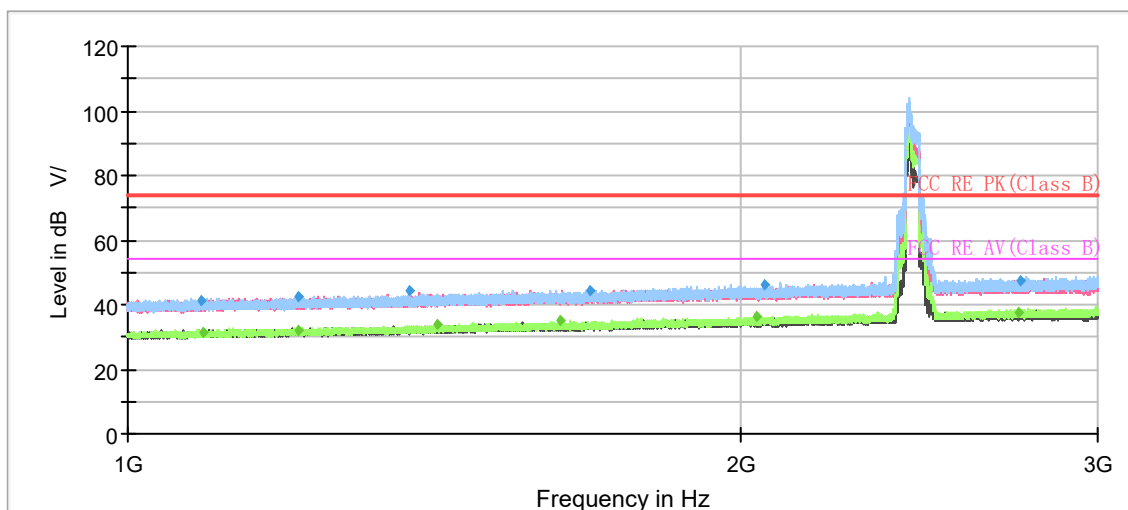


Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3139.50	---	31.77	54.00	22.23	200.0	V	56.00	-13
4009.50	41.71	---	74.00	32.29	100.0	H	42.00	-11
4941.50	44.82	---	74.00	29.18	100.0	V	303.00	-8
5225.50	---	35.03	54.00	18.97	100.0	V	6.00	-8
7207.50	47.53	---	74.00	26.47	100.0	V	155.00	-4
7291.00	---	37.15	54.00	16.85	200.0	H	141.00	-4
9798.00	50.72	---	74.00	23.28	100.0	V	27.00	-2
9889.50	---	41.30	54.00	12.70	100.0	V	98.00	-1
12812.00	53.60	---	74.00	20.40	200.0	H	6.00	2
12851.50	---	44.20	54.00	9.80	100.0	V	303.00	2
14178.50	---	45.26	54.00	8.74	100.0	H	359.00	5
14716.00	55.56	---	74.00	18.44	100.0	V	0.00	5

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

802.11n (HT40) CH5

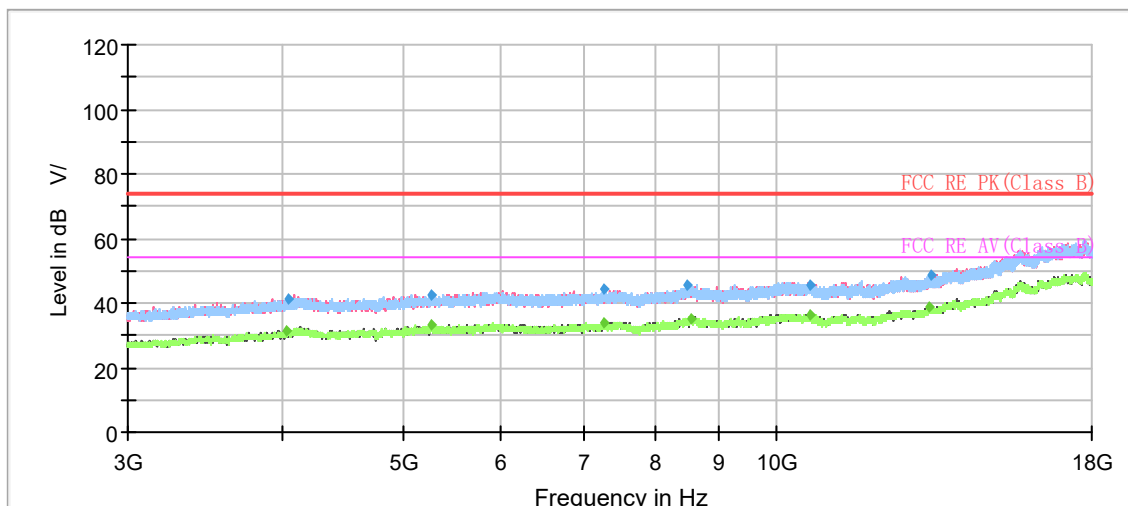


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1085.47	40.95	---	74.00	33.05	100.0	H	46.00	-8
1089.73	---	31.49	54.00	22.51	200.0	V	242.00	-8
1213.00	42.34	---	74.00	31.66	100.0	H	339.00	-8
1213.40	---	31.96	54.00	22.04	100.0	H	276.00	-8
1374.93	44.04	---	74.00	29.96	200.0	H	0.00	-6
1421.20	---	33.58	54.00	20.42	100.0	H	112.00	-6
1633.60	---	34.89	54.00	19.11	200.0	H	358.00	-5
1686.40	44.47	---	74.00	29.53	200.0	V	51.00	-5
2039.40	---	36.07	54.00	17.93	100.0	H	16.00	-3
2058.53	46.40	---	74.00	27.60	200.0	V	72.00	-3
2744.73	---	37.80	54.00	16.20	100.0	H	266.00	1
2749.00	47.59	---	74.00	26.41	200.0	V	115.00	1

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

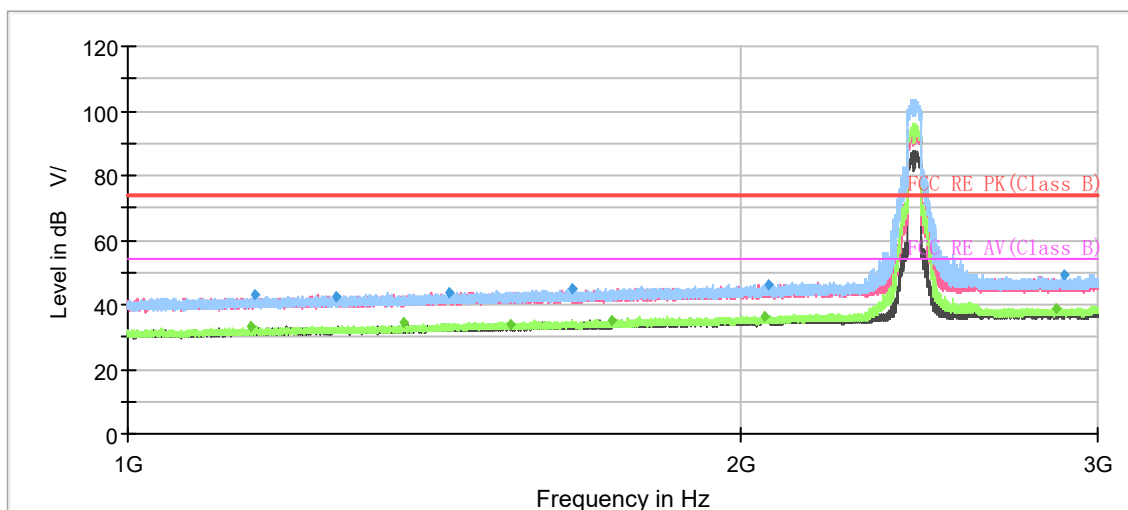


Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4029.50	---	31.46	54.00	22.54	200.0	V	351.00	-4
4042.00	41.21	---	74.00	32.79	200.0	H	323.00	-3
5275.50	---	33.12	54.00	20.88	200.0	H	203.00	-1
5278.50	42.58	---	74.00	31.42	100.0	V	287.00	-1
7268.50	---	34.11	54.00	19.89	100.0	V	279.00	1
7270.00	44.44	---	74.00	29.56	100.0	H	69.00	1
8500.00	45.61	---	74.00	28.39	200.0	V	117.00	4
8546.50	---	35.23	54.00	18.77	100.0	V	255.00	4
10656.00	45.61	---	74.00	28.39	200.0	V	0.00	5
10660.00	---	36.49	54.00	17.51	200.0	V	295.00	5
13294.00	---	38.95	54.00	15.05	200.0	V	0.00	9
13343.00	48.36	---	74.00	25.64	100.0	V	279.00	9

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

802.11n (HT40) CH6

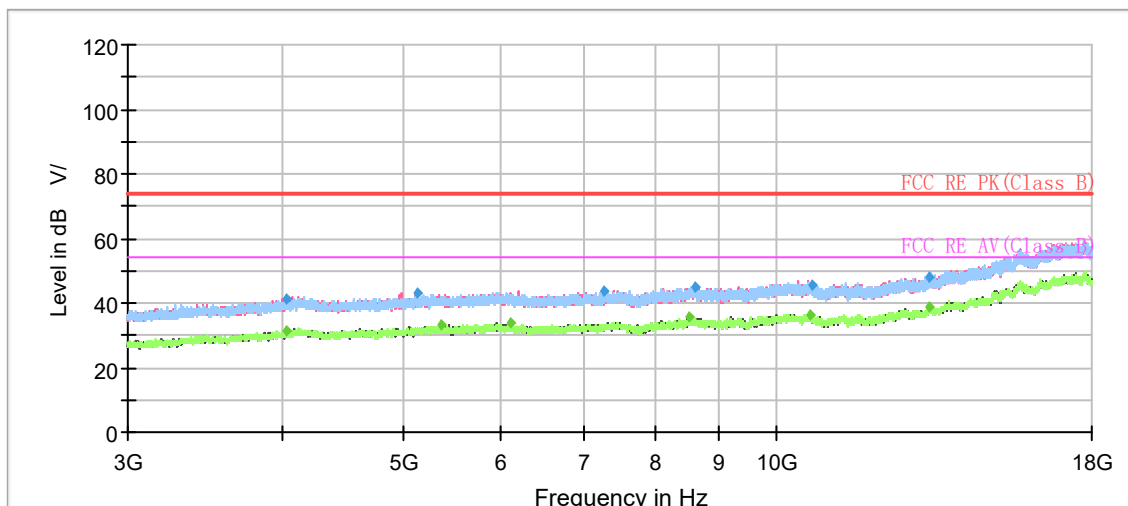


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1148.200000	---	33.42	54.00	20.58	100.0	H	0.0	-8
1153.600000	42.80	---	74.00	31.20	200.0	H	7.0	-8
1265.066667	42.40	---	74.00	31.60	200.0	V	157.0	-7
1366.533333	---	34.26	54.00	19.74	100.0	H	158.0	-7
1439.866667	43.92	---	74.00	30.08	100.0	V	322.0	-6
1542.200000	---	34.02	54.00	19.98	200.0	H	0.0	-5
1654.000000	44.81	---	74.00	29.19	100.0	H	58.0	-5
1731.400000	---	35.28	54.00	18.72	200.0	H	304.0	-4
2059.133333	---	36.60	54.00	17.40	100.0	V	132.0	-3
2064.000000	46.31	---	74.00	27.69	100.0	H	98.0	-3
2862.533333	---	38.95	54.00	15.05	100.0	H	151.0	1
2885.000000	48.93	---	74.00	25.07	100.0	H	31.0	1

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

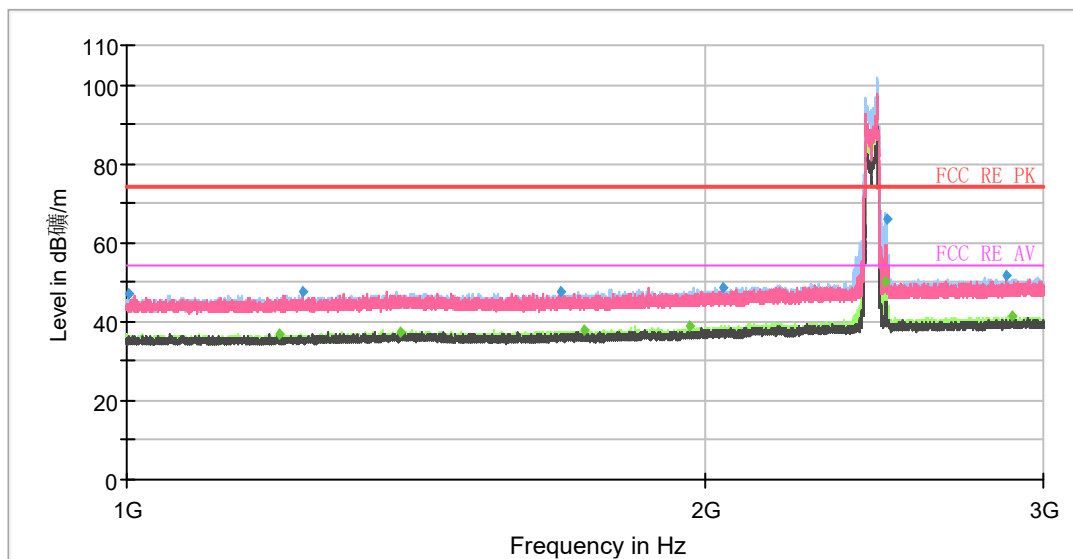


Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4023.00	---	31.50	54.00	22.50	100.0	V	115.00	-4
4034.00	41.33	---	74.00	32.67	100.0	H	146.00	-3
5134.00	42.97	---	74.00	31.03	200.0	H	41.00	-1
5377.00	---	32.95	54.00	21.05	200.0	V	239.00	-1
6114.00	---	33.80	54.00	20.20	100.0	H	227.00	0
7272.00	43.71	---	74.00	30.29	200.0	H	41.00	1
8527.00	---	35.70	54.00	18.30	200.0	H	243.00	4
8611.50	45.00	---	74.00	29.00	200.0	H	18.00	4
10679.50	---	36.02	54.00	17.98	100.0	V	351.00	5
10691.00	45.80	---	74.00	28.20	200.0	V	140.00	5
13312.50	---	38.70	54.00	15.30	100.0	V	205.00	9
13317.50	47.94	---	74.00	26.06	100.0	H	317.00	9

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

802.11n (HT40) CH7

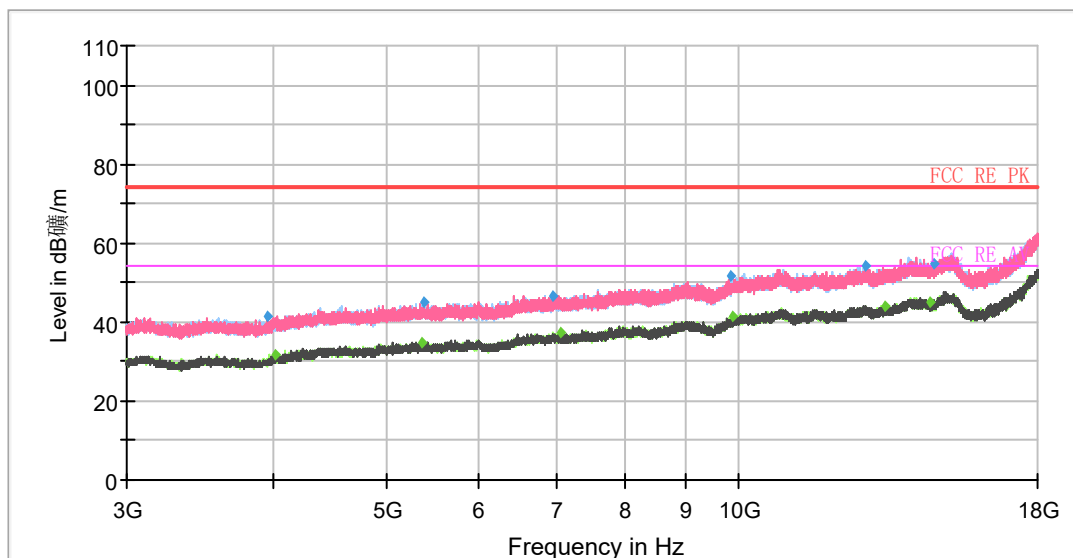


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1001.53	46.82	---	74.00	27.18	100.0	H	357.00	-10
1200.53	---	36.80	54.00	17.20	200.0	H	28.00	-9
1234.67	47.58	---	74.00	26.42	200.0	V	0.00	-8
1388.80	---	37.36	54.00	16.64	200.0	H	54.00	-7
1682.67	47.62	---	74.00	26.38	200.0	H	54.00	-6
1730.13	---	37.91	54.00	16.09	200.0	H	40.00	-6
1965.13	---	38.88	54.00	15.12	200.0	H	40.00	-5
2045.13	48.65	---	74.00	25.35	100.0	H	351.00	-5
2484.13	---	50.37	54.00	3.63	100.0	H	203.00	-4
2484.87	66.03	---	74.00	7.97	100.0	H	258.00	-4
2868.33	51.63	---	74.00	22.37	200.0	H	40.00	-3
2887.20	---	41.26	54.00	12.74	200.0	H	95.00	-3

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

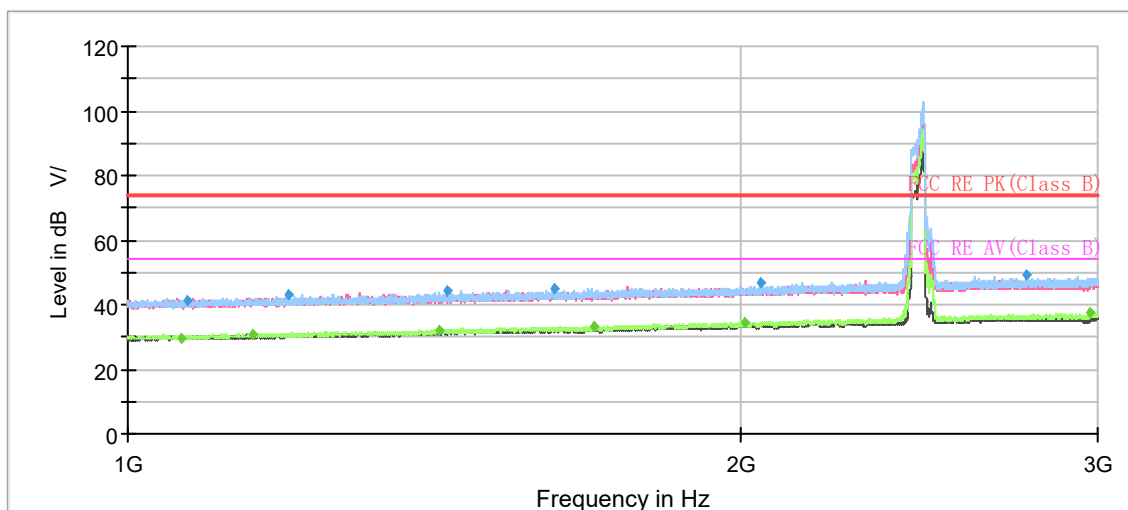


Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3960.00	41.45	---	74.00	32.55	200.0	V	333.00	-11
4018.50	---	31.74	54.00	22.26	200.0	V	101.00	-11
5366.50	---	34.85	54.00	19.15	100.0	V	185.00	-7
5373.00	44.82	---	74.00	29.18	200.0	H	125.00	-7
6926.00	46.70	---	74.00	27.30	100.0	V	143.00	-3
7033.00	---	37.17	54.00	16.83	100.0	V	4.00	-3
9827.00	51.56	---	74.00	22.44	200.0	H	69.00	-1
9874.00	---	41.35	54.00	12.65	200.0	H	199.00	-1
12823.50	54.00	---	74.00	20.00	100.0	V	0.00	2
13314.50	---	43.99	54.00	10.01	100.0	V	258.00	3
14584.50	---	44.84	54.00	9.16	100.0	V	272.00	5
14702.50	54.93	---	74.00	19.07	100.0	H	228.00	5

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

802.11n (HT40) CH8

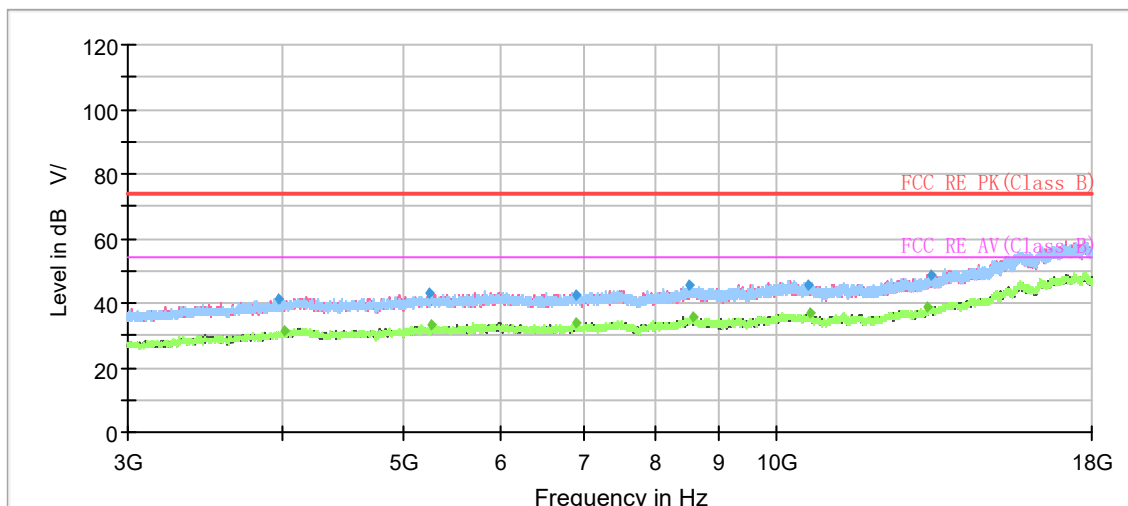


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1062.25	---	29.82	54.00	24.18	200.0	H	22.00	-9
1068.75	41.52	---	74.00	32.48	200.0	H	3.00	-9
1153.00	---	30.87	54.00	23.13	100.0	V	192.00	-8
1199.50	43.17	---	74.00	30.83	200.0	H	27.00	-8
1424.50	---	32.02	54.00	21.98	100.0	H	266.00	-6
1434.75	44.15	---	74.00	29.85	200.0	V	63.00	-6
1620.25	44.95	---	74.00	29.05	200.0	H	73.00	-5
1697.00	---	33.14	54.00	20.86	200.0	H	169.00	-5
2011.00	---	34.54	54.00	19.46	200.0	H	53.00	-3
2048.00	46.65	---	74.00	27.35	200.0	H	22.00	-3
2766.25	49.35	---	74.00	24.65	200.0	H	92.00	1
2973.25	---	37.40	54.00	16.60	200.0	H	27.00	1

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

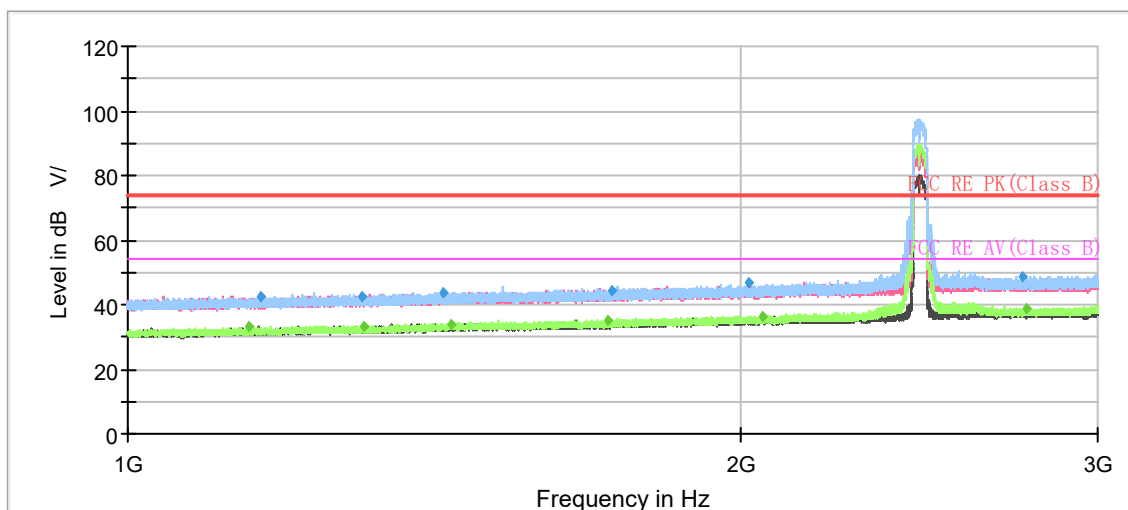


Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3969.50	41.43	---	74.00	32.57	200.0	V	231.00	-4
4010.50	---	31.21	54.00	22.79	100.0	H	0.00	-4
5248.00	43.08	---	74.00	30.93	200.0	V	247.00	-1
5279.00	---	32.99	54.00	21.01	200.0	H	217.00	-1
6903.50	---	34.09	54.00	19.91	100.0	H	269.00	1
6914.00	42.69	---	74.00	31.31	200.0	V	158.00	1
8526.00	45.44	---	74.00	28.56	100.0	H	0.00	4
8577.50	---	35.86	54.00	18.14	200.0	H	336.00	4
10638.00	45.82	---	74.00	28.18	100.0	H	359.00	5
10661.50	---	36.92	54.00	17.08	100.0	V	281.00	5
13275.00	---	38.88	54.00	15.12	200.0	H	351.00	9
13350.50	48.42	---	74.00	25.58	200.0	V	135.00	9

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

802.11n (HT40) CH9

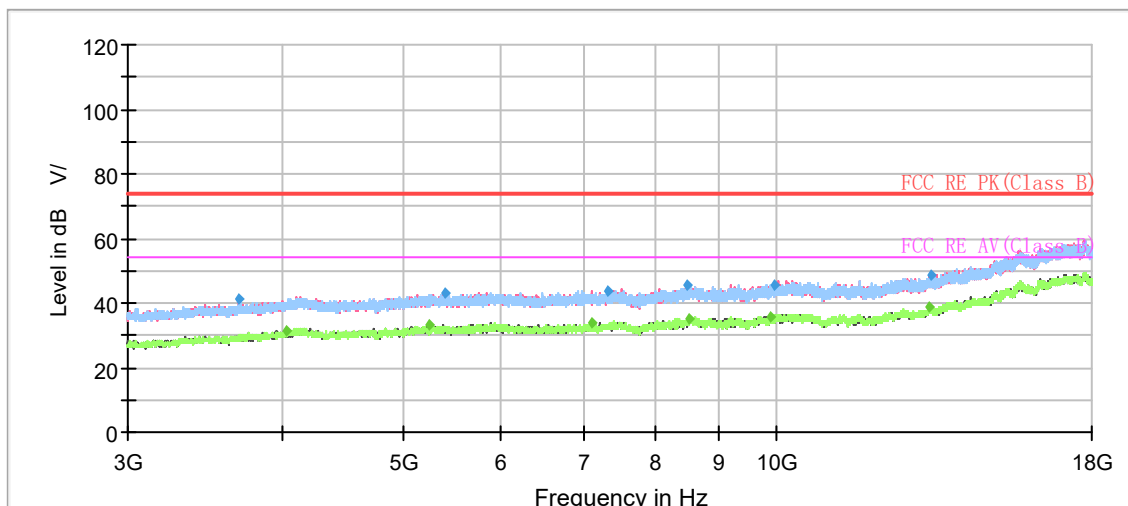


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1147.200000	---	33.45	54.00	20.55	100.0	H	265.0	-8
1162.266667	42.67	---	74.00	31.33	100.0	H	332.0	-8
1304.533333	42.33	---	74.00	31.67	200.0	V	0.0	-7
1307.333333	---	32.98	54.00	21.02	200.0	H	8.0	-7
1428.466667	43.78	---	74.00	30.22	200.0	H	109.0	-6
1442.200000	---	34.08	54.00	19.92	100.0	H	198.0	-6
1722.400000	---	35.09	54.00	18.91	200.0	H	15.0	-4
1731.133333	44.32	---	74.00	29.68	200.0	H	36.0	-4
2018.333333	46.90	---	74.00	27.10	100.0	H	319.0	-3
2051.933333	---	36.59	54.00	17.41	200.0	H	96.0	-3
2751.533333	48.54	---	74.00	25.46	100.0	H	339.0	1
2768.533333	---	38.50	54.00	15.50	200.0	H	102.0	1

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

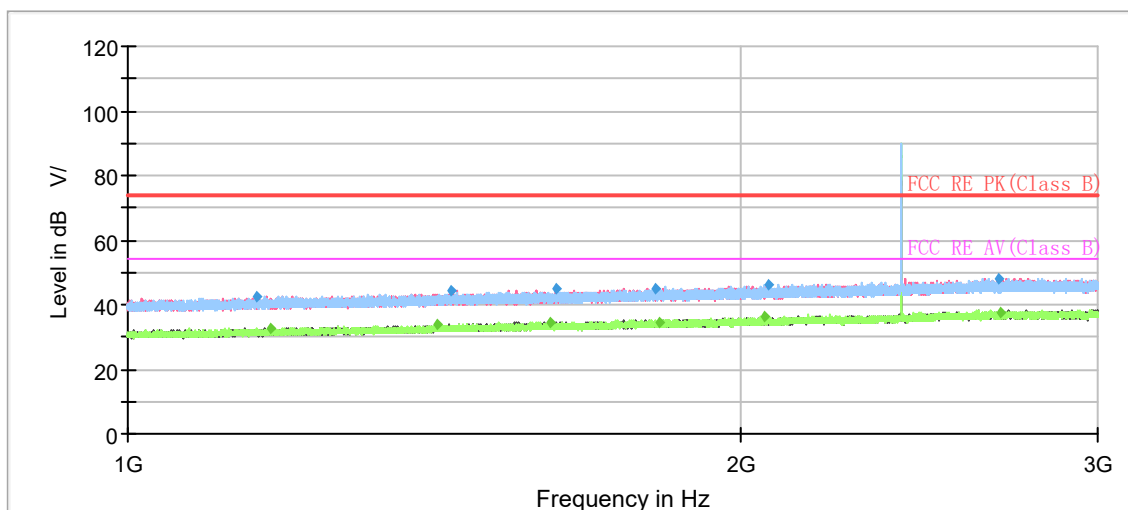


Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3690.00	41.13	---	74.00	32.87	200.0	V	328.00	-5
4023.00	---	31.30	54.00	22.70	100.0	V	28.00	-4
5249.50	---	33.21	54.00	20.79	200.0	H	79.00	-1
5419.00	42.81	---	74.00	31.19	200.0	V	336.00	-1
7097.00	---	33.97	54.00	20.03	200.0	H	129.00	1
7328.00	43.64	---	74.00	30.36	200.0	V	9.00	1
8489.00	45.81	---	74.00	28.19	200.0	V	273.00	4
8501.50	---	34.98	54.00	19.02	100.0	V	205.00	4
9895.50	---	35.98	54.00	18.02	200.0	H	1.00	4
9997.50	45.83	---	74.00	28.17	200.0	V	351.00	5
13318.50	---	38.77	54.00	15.23	200.0	V	289.00	9
13338.50	48.36	---	74.00	25.64	200.0	V	75.00	9

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

Bluetooth LE-Channel 0

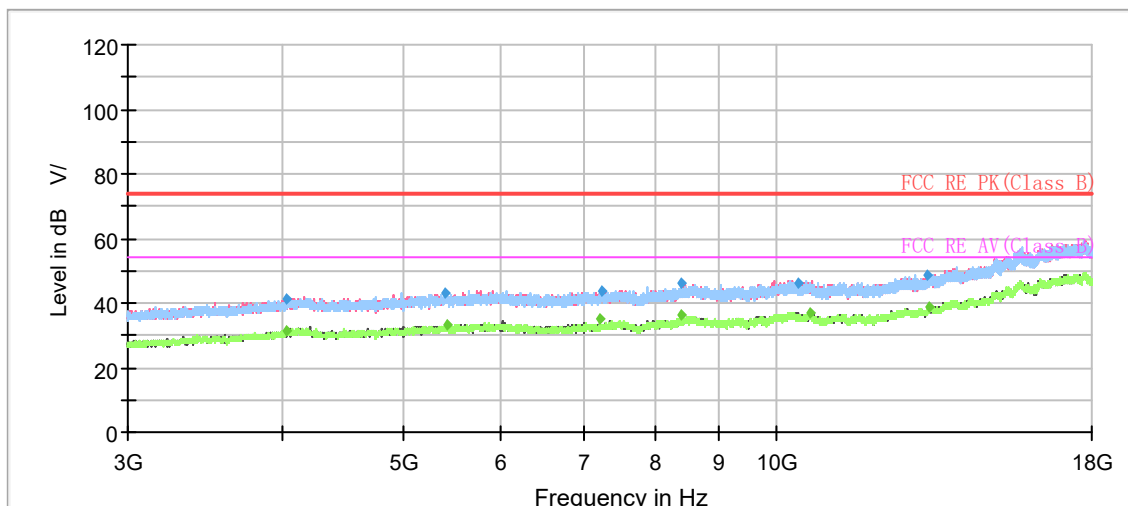


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1156.000000	42.69	---	74.00	31.31	100.0	V	334.0	-8
1175.533333	---	32.64	54.00	21.36	100.0	H	339.0	-8
1420.866667	---	33.69	54.00	20.31	100.0	H	43.0	-6
1441.000000	44.60	---	74.00	29.40	200.0	V	318.0	-6
1613.200000	---	34.62	54.00	19.38	200.0	V	331.0	-5
1622.866667	44.65	---	74.00	29.35	200.0	V	21.0	-5
1817.733333	44.73	---	74.00	29.27	100.0	V	301.0	-4
1824.133333	---	34.55	54.00	19.45	100.0	V	235.0	-4
2056.533333	---	36.18	54.00	17.82	100.0	H	0.0	-3
2068.200000	46.17	---	74.00	27.83	200.0	H	189.0	-3
2679.133333	48.12	---	74.00	25.88	100.0	H	279.0	0
2688.600000	---	37.50	54.00	16.50	100.0	H	89.0	1

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

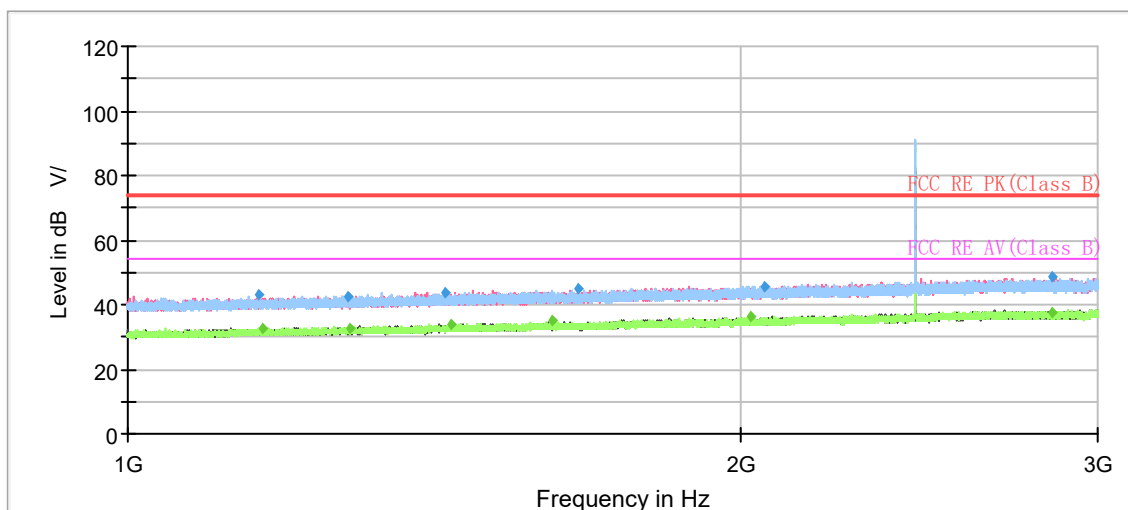


Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4027.500000	41.44	---	74.00	32.56	100.0	H	69.0	-4
4028.500000	---	31.49	54.00	22.51	100.0	H	0.0	-4
5410.500000	42.99	---	74.00	31.01	200.0	V	200.0	-1
5428.000000	---	33.03	54.00	20.97	100.0	V	343.0	-1
7206.000000	---	35.21	54.00	18.79	100.0	H	308.0	1
7236.500000	43.43	---	74.00	30.57	200.0	H	226.0	1
8384.000000	46.02	---	74.00	27.98	100.0	H	265.0	3
8388.500000	---	36.06	54.00	17.94	200.0	V	270.0	3
10423.500000	46.30	---	74.00	27.70	100.0	H	251.0	6
10654.000000	---	36.93	54.00	17.07	200.0	V	186.0	5
13267.000000	48.56	---	74.00	25.44	200.0	H	11.0	9
13312.500000	---	38.90	54.00	15.10	100.0	H	0.0	9

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

Bluetooth LE-Channel 19

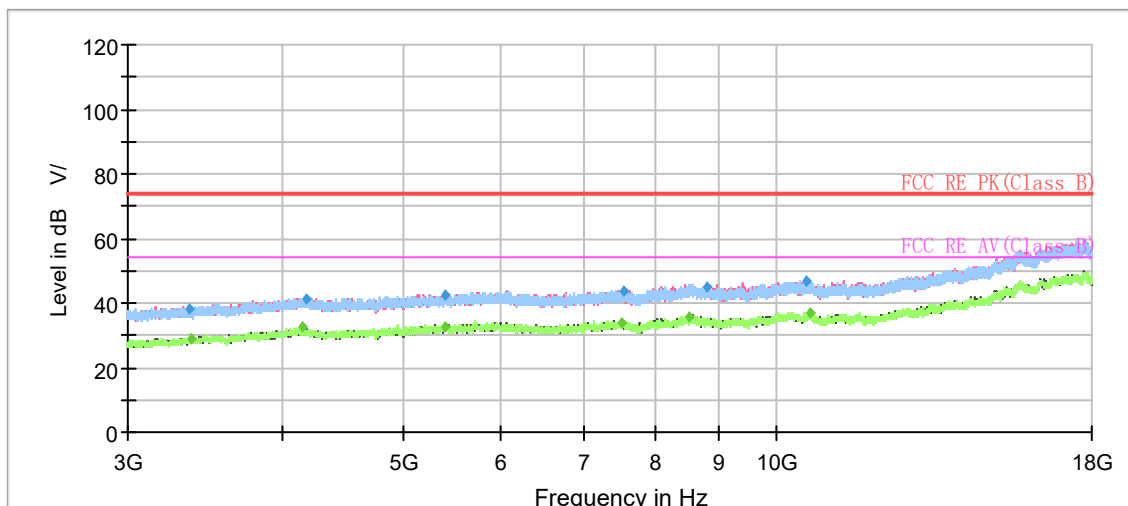


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1159.533333	43.15	---	74.00	30.85	200.0	H	81.0	-8
1165.600000	---	32.68	54.00	21.32	100.0	H	310.0	-8
1284.600000	42.50	---	74.00	31.50	100.0	V	344.0	-7
1285.933333	---	32.59	54.00	21.41	200.0	V	227.0	-7
1431.200000	43.71	---	74.00	30.29	100.0	H	0.0	-6
1441.533333	---	33.63	54.00	20.37	100.0	V	270.0	-6
1619.066667	---	34.88	54.00	19.12	200.0	V	6.0	-5
1663.733333	45.04	---	74.00	28.96	200.0	H	359.0	-5
2026.066667	---	36.18	54.00	17.82	200.0	V	140.0	-3
2057.333333	45.73	---	74.00	28.27	100.0	H	323.0	-3
2847.266667	---	37.61	54.00	16.39	200.0	V	22.0	1
2848.200000	48.44	---	74.00	25.56	100.0	V	128.0	1

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

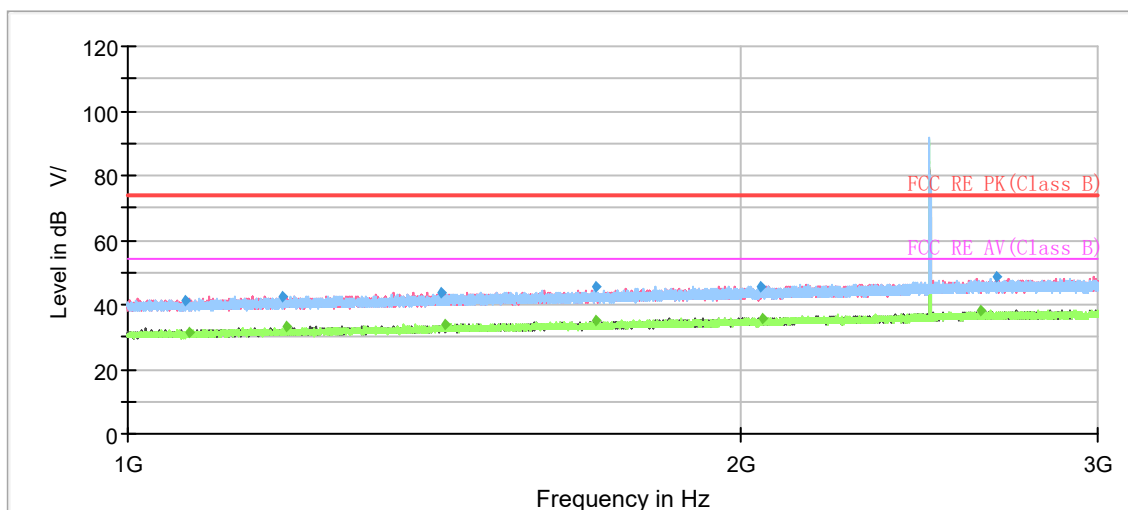


Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3358.500000	38.16	---	74.00	35.84	100.0	V	98.0	-7
3372.000000	---	29.11	54.00	24.89	100.0	H	70.0	-7
4149.000000	---	32.52	54.00	21.48	200.0	H	162.0	-3
4186.000000	41.27	---	74.00	32.73	200.0	H	38.0	-3
5414.500000	---	32.70	54.00	21.30	200.0	V	319.0	-1
5418.500000	42.63	---	74.00	31.37	200.0	V	319.0	-1
7512.500000	---	33.93	54.00	20.07	100.0	V	272.0	1
7550.000000	43.63	---	74.00	30.37	100.0	H	248.0	1
8517.500000	---	35.81	54.00	18.19	100.0	V	70.0	4
8799.000000	44.94	---	74.00	29.06	100.0	V	70.0	3
10585.000000	46.57	---	74.00	27.43	100.0	V	199.0	5
10682.500000	---	36.67	54.00	17.33	100.0	V	303.0	5

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

Bluetooth LE-Channel 39

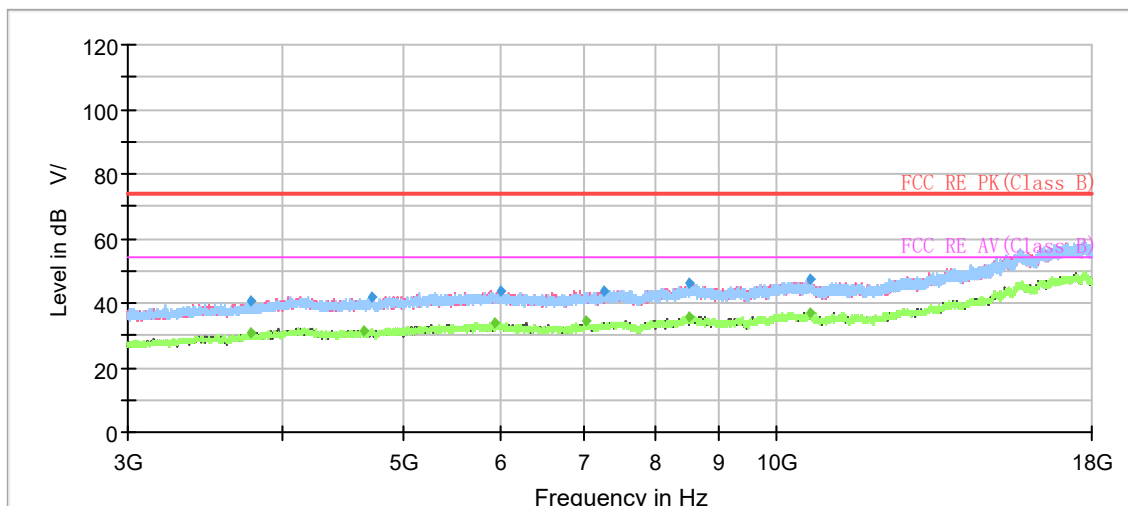


Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1067.333333	41.51	---	74.00	32.49	200.0	V	264.0	-9
1072.933333	---	31.59	54.00	22.41	200.0	V	296.0	-8
1192.800000	42.62	---	74.00	31.38	100.0	H	7.0	-8
1197.400000	---	33.22	54.00	20.78	100.0	V	38.0	-8
1424.666667	43.79	---	74.00	30.21	100.0	H	246.0	-6
1431.133333	---	33.87	54.00	20.13	100.0	H	91.0	-6
1698.333333	45.30	---	74.00	28.70	100.0	V	0.0	-5
1700.733333	---	34.82	54.00	19.18	100.0	H	200.0	-5
2048.333333	45.51	---	74.00	28.49	100.0	V	44.0	-3
2054.133333	---	35.87	54.00	18.13	200.0	V	198.0	-3
2626.533333	---	38.25	54.00	15.75	100.0	H	11.0	0
2675.066667	48.62	---	74.00	25.38	200.0	V	348.0	0

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



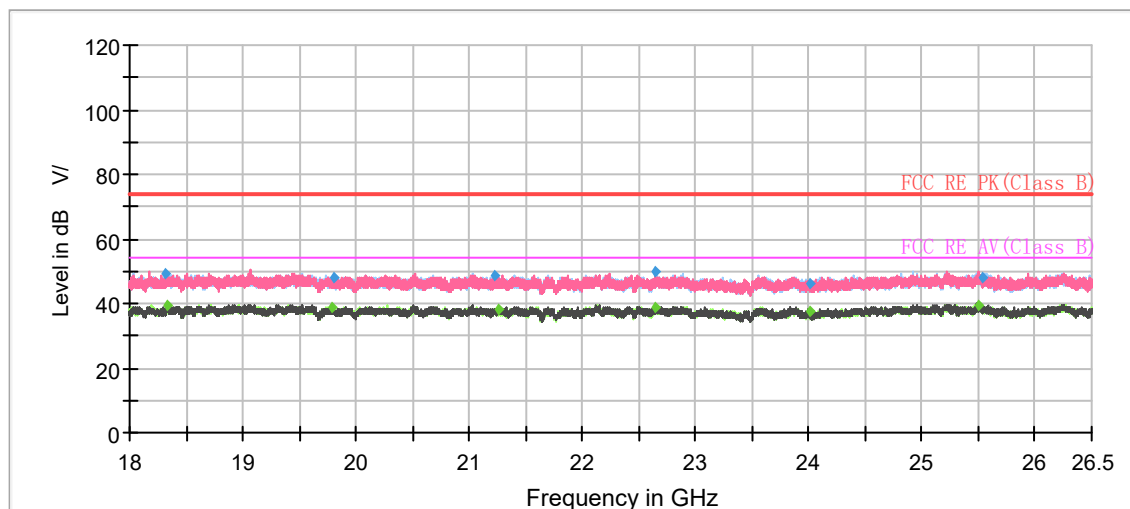
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3763.500000	40.74	---	74.00	33.26	100.0	V	0.0	-5
3765.500000	---	30.78	54.00	23.22	200.0	V	0.0	-5
4653.000000	---	31.54	54.00	22.46	200.0	V	256.0	-3
4726.500000	41.90	---	74.00	32.10	200.0	V	192.0	-3
5936.500000	---	33.93	54.00	20.07	100.0	V	64.0	0
6007.000000	43.49	---	74.00	30.51	200.0	H	154.0	0
7031.500000	---	34.55	54.00	19.45	100.0	V	246.0	1
7260.500000	43.57	---	74.00	30.43	200.0	V	264.0	1
8522.500000	---	35.83	54.00	18.17	100.0	V	254.0	4
8527.000000	46.10	---	74.00	27.90	200.0	V	18.0	4
10662.000000	---	36.95	54.00	17.05	200.0	H	234.0	5
10672.500000	47.47	---	74.00	26.53	100.0	V	232.0	5

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

During the test, the Radiates Emission from 18GHz to 26.5GHz was performed in all modes with all channels, 802.11n (HT40) CH7 and Bluetooth LE-Channel 0 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

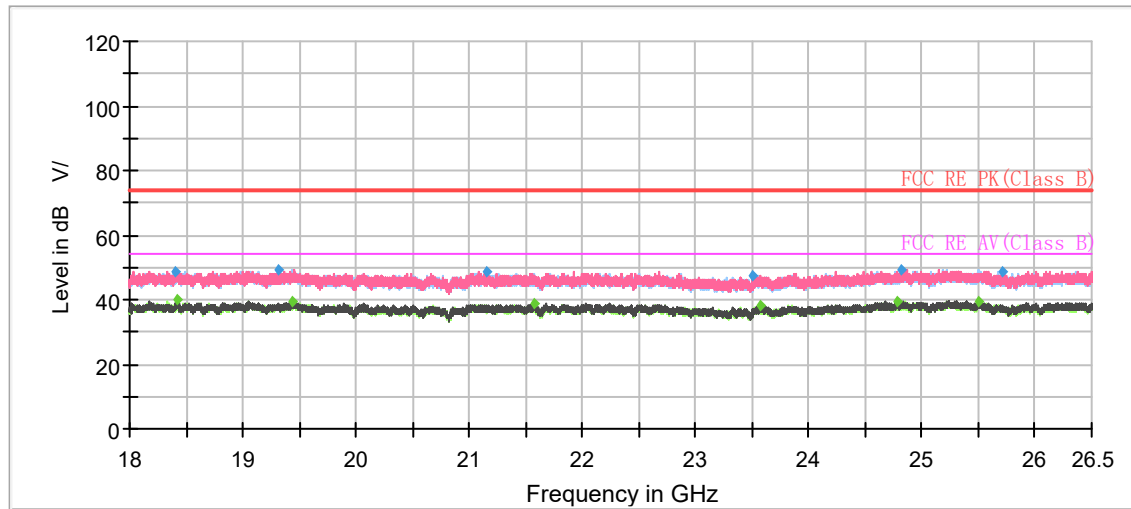
Wi-Fi 2.4G



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)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
18315.633333	49.07	---	74.00	24.93	200.0	H	138.0	-2
18338.300000	---	39.64	54.00	14.36	100.0	V	38.0	-2
19784.716667	---	38.51	54.00	15.49	100.0	H	82.0	-1
19806.533333	48.15	---	74.00	25.85	200.0	V	152.0	-1
21224.050000	48.63	---	74.00	25.37	100.0	H	196.0	0
21259.466667	---	37.89	54.00	16.11	200.0	H	246.0	0
22637.033333	---	38.47	54.00	15.53	100.0	H	82.0	2
22646.100000	49.79	---	74.00	24.21	200.0	V	213.0	2
24003.266667	---	37.37	54.00	16.63	200.0	H	0.0	2
24013.183333	46.44	---	74.00	27.56	100.0	V	307.0	2
25505.500000	---	39.38	54.00	14.62	100.0	H	308.0	3
25528.450000	47.97	---	74.00	26.03	100.0	H	44.0	3

Bluetooth LE



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)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
18408.57	48.89	---	74.00	25.11	200.0	H	181.00	-2
18428.12	---	39.94	54.00	14.06	200.0	V	192.00	-2
19315.52	49.51	---	74.00	24.49	200.0	V	146.00	-1
19441.60	---	39.26	54.00	14.74	100.0	V	2.00	-1
21148.40	48.54	---	74.00	25.46	100.0	V	24.00	0
21573.40	---	38.63	54.00	15.37	200.0	H	114.00	0
23509.42	47.43	---	74.00	26.57	200.0	V	215.00	2
23574.30	---	38.17	54.00	15.83	100.0	V	0.00	2
24775.63	---	39.65	54.00	14.35	100.0	V	268.00	3
24815.30	49.01	---	74.00	24.99	100.0	V	0.00	3
25494.45	---	39.63	54.00	14.37	100.0	V	68.00	3
25707.23	48.75	---	74.00	25.25	100.0	V	39.00	3

5.7. Conducted Emission

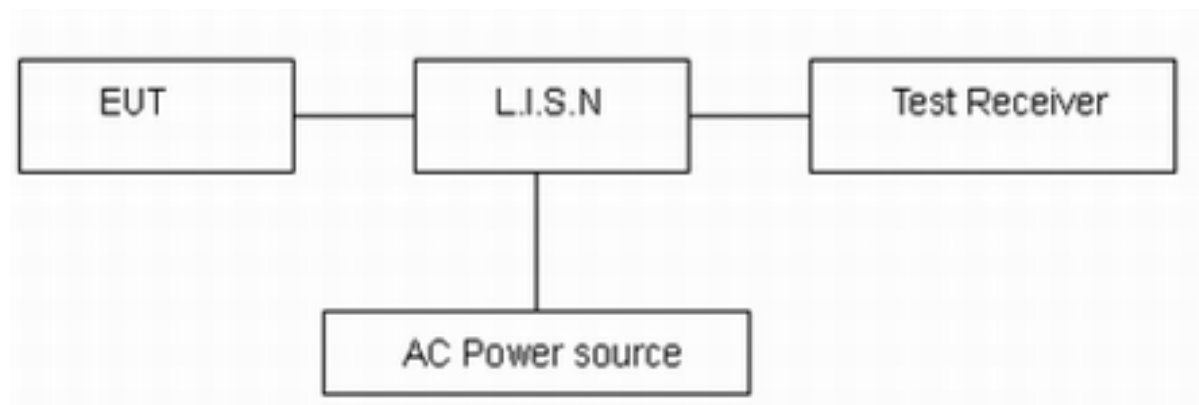
Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Methods of Measurement

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

Test Setup



Note: AC Power source is used to change the voltage 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.		

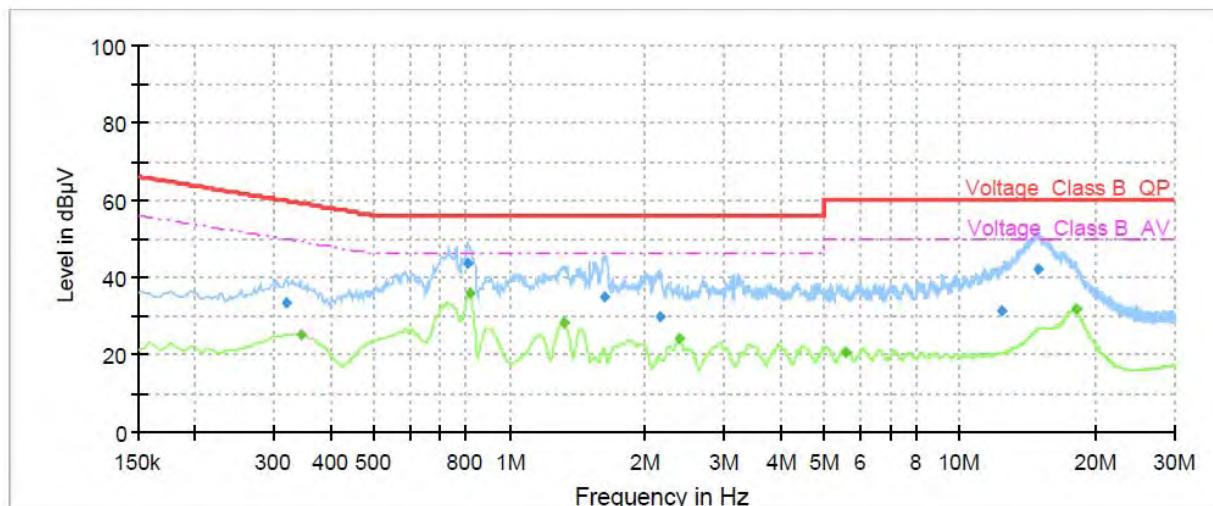
Measurement Uncertainty

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 (WIFI 2.4G /Bluetooth LE) with all channels, 802.11n (HT40) CH7 and Bluetooth LE-Channel 0 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

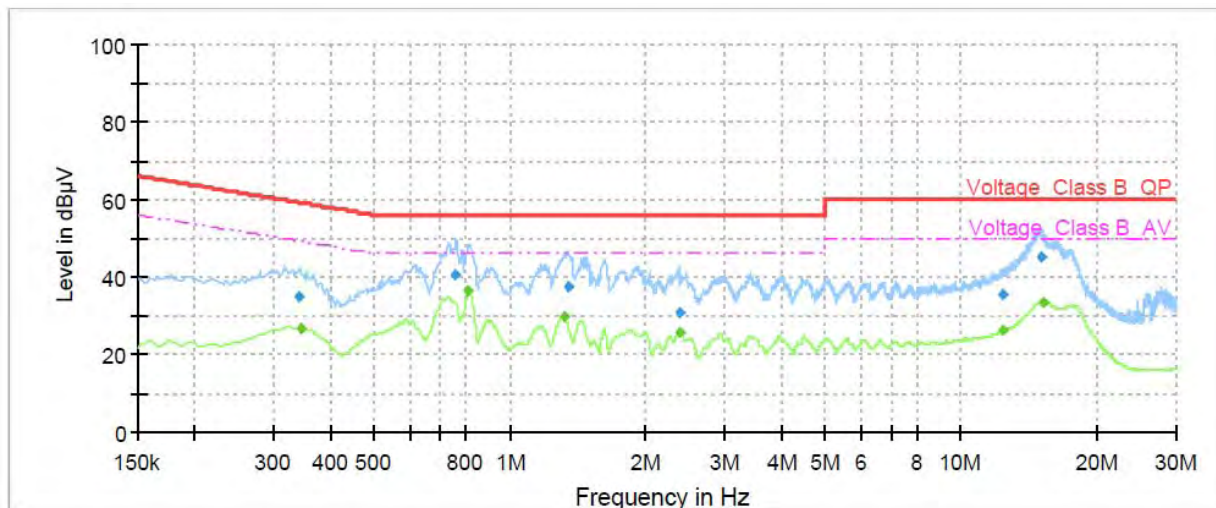
Wi-Fi 2.4G



Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.32	33.27	---	59.74	26.47	70.0	9.000	L1	ON	21
0.34	---	25.23	49.12	23.89	70.0	9.000	L1	ON	21
0.81	43.57	---	56.00	12.43	70.0	9.000	L1	ON	20
0.81	---	35.65	46.00	10.35	70.0	9.000	L1	ON	20
1.32	---	28.02	46.00	17.98	70.0	9.000	L1	ON	20
1.62	35.01	---	56.00	20.99	70.0	9.000	L1	ON	20
2.16	29.65	---	56.00	26.35	70.0	9.000	L1	ON	20
2.38	---	23.97	46.00	22.03	70.0	9.000	L1	ON	19
5.59	---	20.56	50.00	29.44	70.0	9.000	L1	ON	19
12.40	31.24	---	60.00	28.76	70.0	9.000	L1	ON	20
14.99	42.25	---	60.00	17.75	70.0	9.000	L1	ON	20
18.13	---	31.68	50.00	18.32	70.0	9.000	L1	ON	20

Remark: Correct factor=cable loss + LISN factor

L line Conducted Emission from 150 KHz to 30 MHz

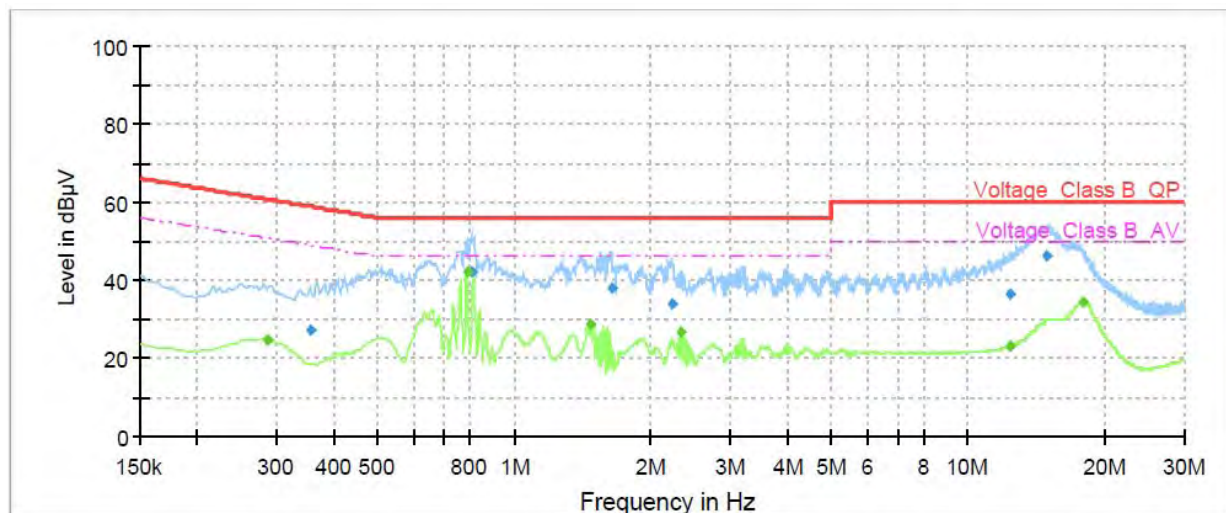


Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.34	34.99	---	59.17	24.18	70.0	9.000	N	ON	21
0.34	---	26.66	49.12	22.46	70.0	9.000	N	ON	21
0.76	40.27	---	56.00	15.73	70.0	9.000	N	ON	20
0.81	---	36.55	46.00	9.45	70.0	9.000	N	ON	20
1.32	---	29.90	46.00	16.10	70.0	9.000	N	ON	20
1.35	37.22	---	56.00	18.78	70.0	9.000	N	ON	20
2.38	---	25.69	46.00	20.31	70.0	9.000	N	ON	20
2.38	30.84	---	56.00	25.16	70.0	9.000	N	ON	20
12.39	---	26.08	50.00	23.92	70.0	9.000	N	ON	20
12.40	35.27	---	60.00	24.73	70.0	9.000	N	ON	20
15.08	44.94	---	60.00	15.06	70.0	9.000	N	ON	20
15.17	---	33.37	50.00	16.63	70.0	9.000	N	ON	20

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 KHz to 30 MHz

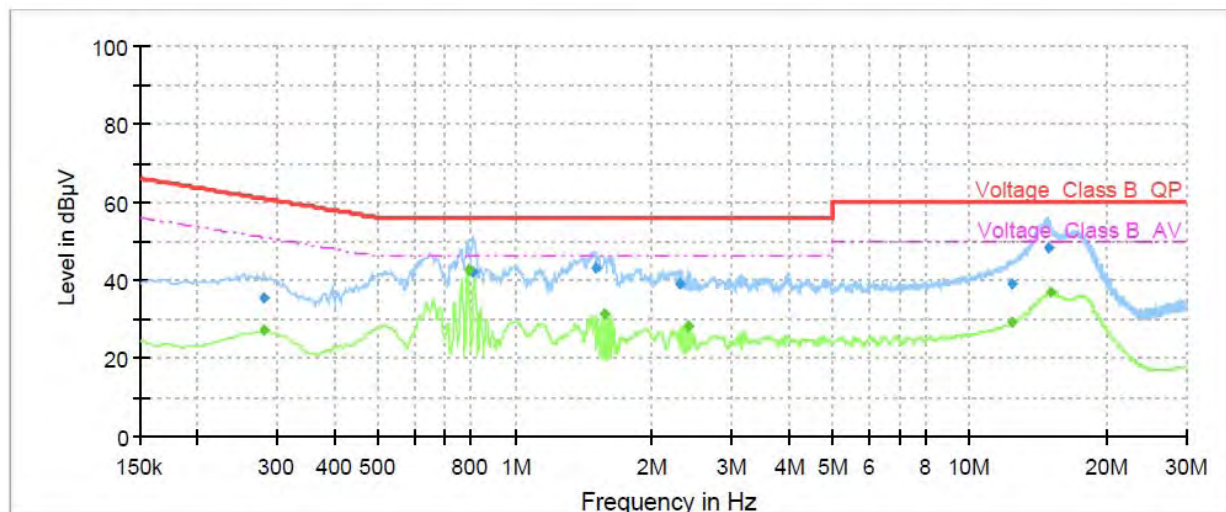
Bluetooth LE



Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.29	---	24.66	50.60	25.94	70.0	9.000	L1	ON	21
0.35	27.43	---	58.85	31.42	70.0	9.000	L1	ON	21
0.79	---	42.04	46.00	3.96	70.0	9.000	L1	ON	20
0.80	42.16	---	56.00	13.84	70.0	9.000	L1	ON	20
1.47	---	28.51	46.00	17.49	70.0	9.000	L1	ON	20
1.63	38.18	---	56.00	17.82	70.0	9.000	L1	ON	20
2.23	33.84	---	56.00	22.16	70.0	9.000	L1	ON	19
2.33	---	26.76	46.00	19.24	70.0	9.000	L1	ON	19
12.39	---	22.93	50.00	27.07	70.0	9.000	L1	ON	20
12.40	36.41	---	60.00	23.59	70.0	9.000	L1	ON	20
14.86	45.95	---	60.00	14.05	70.0	9.000	L1	ON	20
17.99	---	34.51	50.00	15.49	70.0	9.000	L1	ON	20

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)
0.28	---	27.09	50.87	23.78	70.0	9.000	N	ON	21
0.28	35.35	---	60.80	25.45	70.0	9.000	N	ON	21
0.79	---	42.54	46.00	3.46	70.0	9.000	N	ON	20
0.81	42.25	---	56.00	13.75	70.0	9.000	N	ON	20
1.50	43.02	---	56.00	12.98	70.0	9.000	N	ON	20
1.57	---	31.25	46.00	14.75	70.0	9.000	N	ON	20
2.31	39.14	---	56.00	16.86	70.0	9.000	N	ON	20
2.42	---	28.16	46.00	17.84	70.0	9.000	N	ON	20
12.32	38.94	---	60.00	21.06	70.0	9.000	N	ON	20
12.40	---	29.47	50.00	20.53	70.0	9.000	N	ON	20
14.91	48.16	---	60.00	11.84	70.0	9.000	N	ON	20
15.00	---	36.87	50.00	13.13	70.0	9.000	N	ON	20

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
Wireless Communication Tester	R&S	CMW270	100673	2021-05-15	2022-05-14
Power probe	R&S	NRP18S	101954	2021-05-15	2022-05-14
Spectrum Analyzer	KEYSIGHT	N9020A	MY54420163	2021-12-12	2022-12-11
Climate Chamber	ESPEC	SU-242	93000506	2021-12-12	2022-12-11
EMI Test Receiver	R&S	ESR	102389	2021-06-04	2022-06-03
Spectrum Analyzer	R&S	FSV40	100816	2021-05-15	2022-05-14
TRILOG Broadband Antenna	SCHWARZBEC K	VULB 9163	1023	2020-05-05	2023-05-04
Horn Antenna	R&S	HF907	102723	2020-08-11	2023-08-10
Horn Antenna	ETS-Lindgren	3160-09	00102643	2021-10-10	2024-10-09
Software	R&S	EMC32	9.26.01	/	/

*****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.