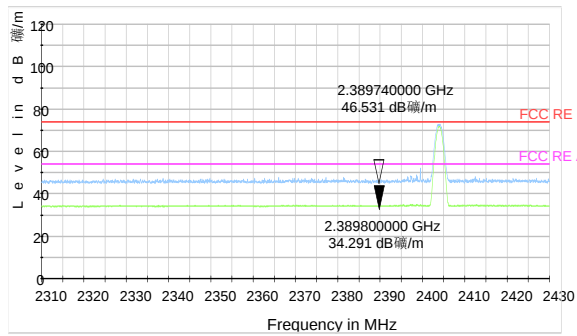
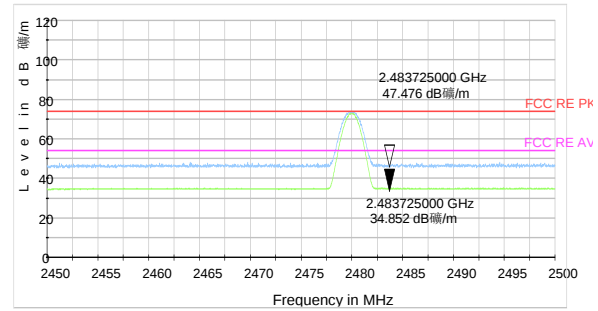


During the test, the preliminary test was performed in both data rate for BLE, 1Mbps was selected as the worst case. The test data of the worst-case condition was recorded in this report



Bluetooth LE Channel 0 Peak & Average



Bluetooth LE Channel 39 Peak & Average

Result of RE

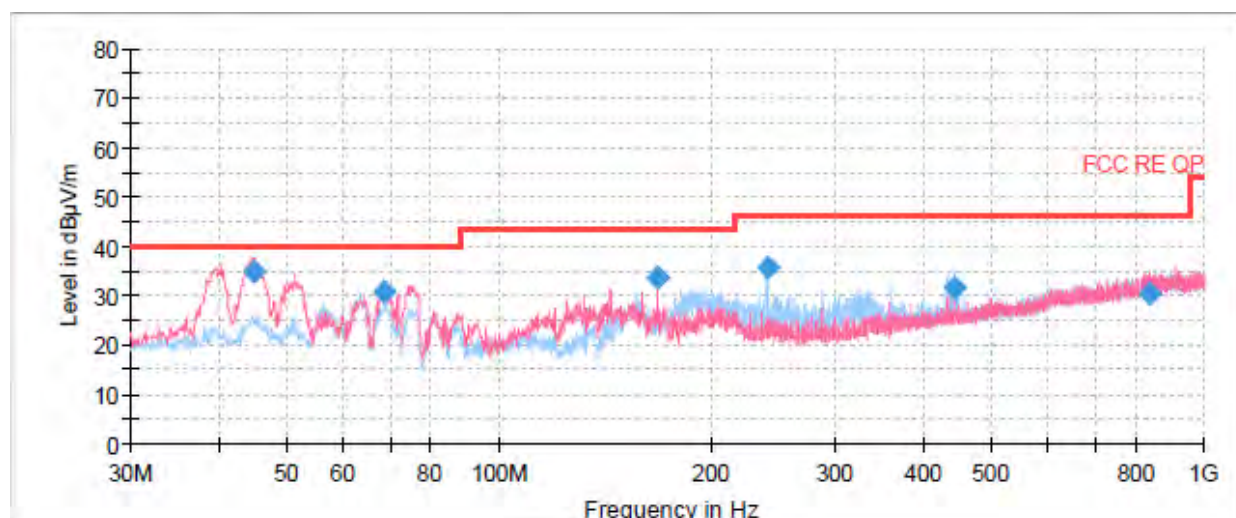
Test result

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) CH3 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

Continuous TX mode:



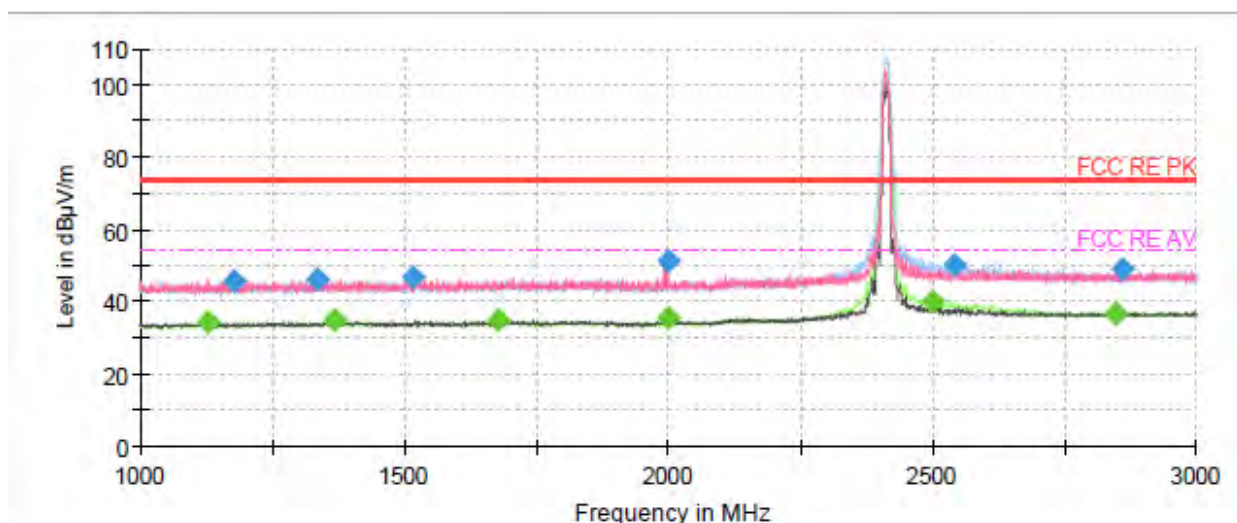
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
44.913750	34.81	100.0	V	90.0	14.1	5.19	40.00
68.921250	30.97	100.0	V	268.0	10.6	9.03	40.00
167.982500	33.55	100.0	V	198.0	10.0	9.95	43.50
240.005000	35.77	105.0	H	180.0	13.7	10.23	46.00
444.068750	31.74	100.0	H	26.0	18.4	14.26	46.00
839.828750	30.23	225.0	H	232.0	24.1	15.77	46.00

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

2. Margin = Limit – Quasi-Peak

802.11b CH1

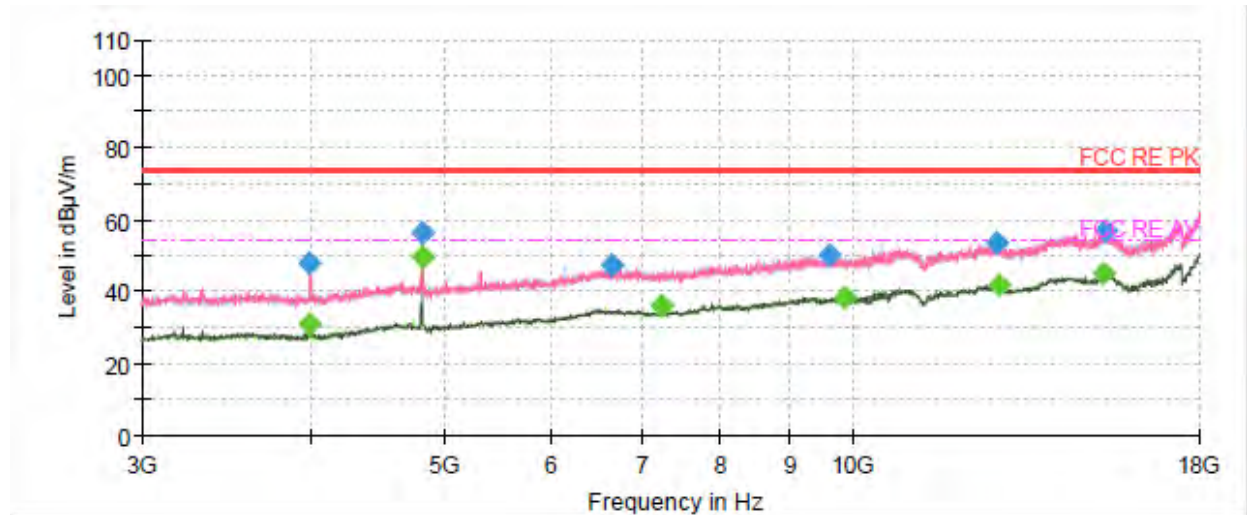


Note: The signal beyond the limit is carrier.

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)
1128.500000	---	34.28	54.00	19.72	200.0	V	12.0	-10.5
1176.500000	45.69	---	74.00	28.31	200.0	V	17.0	-10.4
1334.500000	46.32	---	74.00	27.68	200.0	V	70.0	-9.7
1369.500000	---	34.78	54.00	19.22	100.0	V	357.0	-9.6
1515.250000	46.54	---	74.00	27.46	200.0	H	241.0	-9.1
1676.250000	---	35.17	54.00	18.83	200.0	V	62.0	-8.7
1998.250000	---	35.57	54.00	18.43	200.0	V	207.0	-8.2
1998.250000	51.39	---	74.00	22.61	200.0	V	207.0	-8.2
2499.500000	---	40.18	54.00	13.82	100.0	H	14.0	-6.3
2539.750000	50.34	---	74.00	23.66	100.0	H	2.0	-6.2
2848.000000	---	36.82	54.00	17.18	100.0	H	67.0	-6.1
2859.500000	48.85	---	74.00	25.15	200.0	V	29.0	-6.0

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

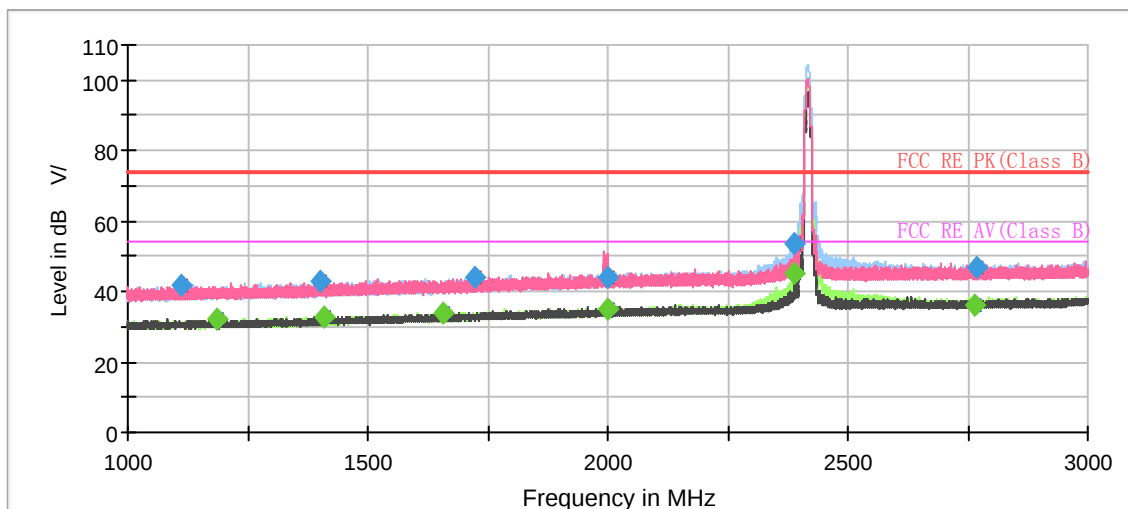


Radiates Emission from 3GHz to 18GHz

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)
3990.000000	48.05	---	74.00	25.95	100.0	H	227.0	-13.4
3991.875000	---	30.76	54.00	23.24	200.0	V	15.0	-13.3
4822.500000	56.13	---	74.00	17.87	200.0	V	354.0	-10.7
4822.500000	---	49.61	54.00	4.39	200.0	V	354.0	-10.7
6663.750000	47.26	---	74.00	26.74	100.0	V	250.0	-3.5
7233.750000	---	36.33	54.00	17.67	200.0	V	36.0	-4.6
9609.375000	49.94	---	74.00	24.06	200.0	V	92.0	-2.3
9853.125000	---	38.57	54.00	15.43	100.0	H	9.0	-1.8
12791.250000	53.31	---	74.00	20.69	200.0	H	226.0	2.1
12808.125000	---	41.55	54.00	12.45	100.0	H	150.0	2.1
15305.625000	---	44.93	54.00	9.07	100.0	H	13.0	5.7
15352.500000	57.08	---	74.00	16.92	200.0	H	150.0	5.8

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

802.11b CH2

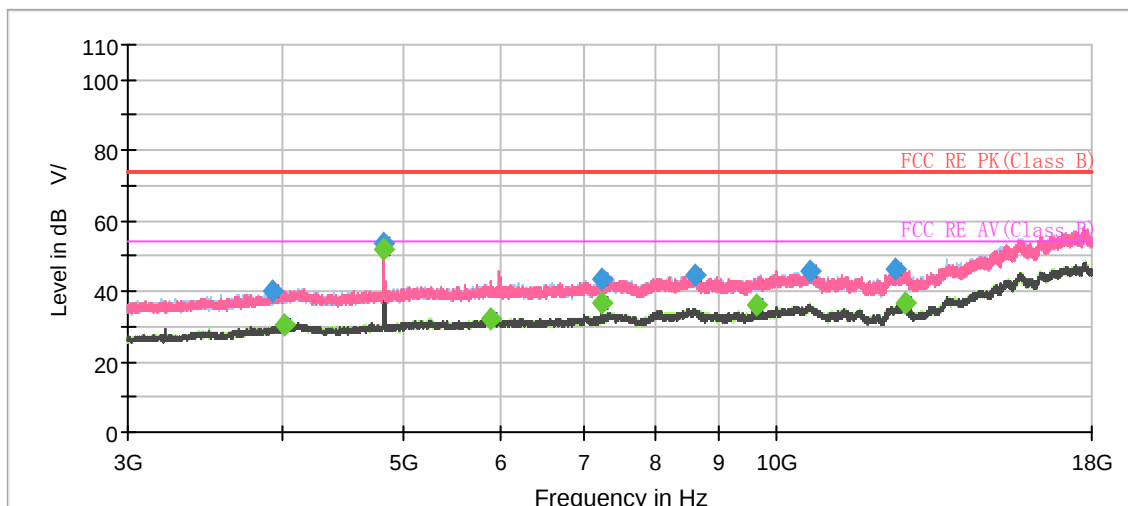


Note: The signal beyond the limit is carrier.

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)
1110.666667	41.82	---	74.00	32.18	100.0	V	168.0	-7.7
1186.000000	---	32.09	54.00	21.91	200.0	V	181.0	-7.4
1400.933333	42.75	---	74.00	31.25	100.0	V	333.0	-6.2
1410.400000	---	32.70	54.00	21.30	200.0	H	31.0	-6.1
1658.000000	---	33.97	54.00	20.03	200.0	H	292.0	-4.7
1724.133333	44.20	---	74.00	29.80	100.0	V	233.0	-4.3
1998.800000	---	34.95	54.00	19.05	200.0	H	268.0	-2.7
2000.866667	43.87	---	74.00	30.13	200.0	H	39.0	-2.6
2388.800000	---	45.17	54.00	8.83	200.0	H	180.0	-1.2
2389.333333	53.41	---	74.00	20.59	200.0	H	180.0	-1.2
2762.666667	---	36.15	54.00	17.85	200.0	H	348.0	0.8
2767.066667	46.76	---	74.00	27.24	200.0	H	0.0	0.8

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

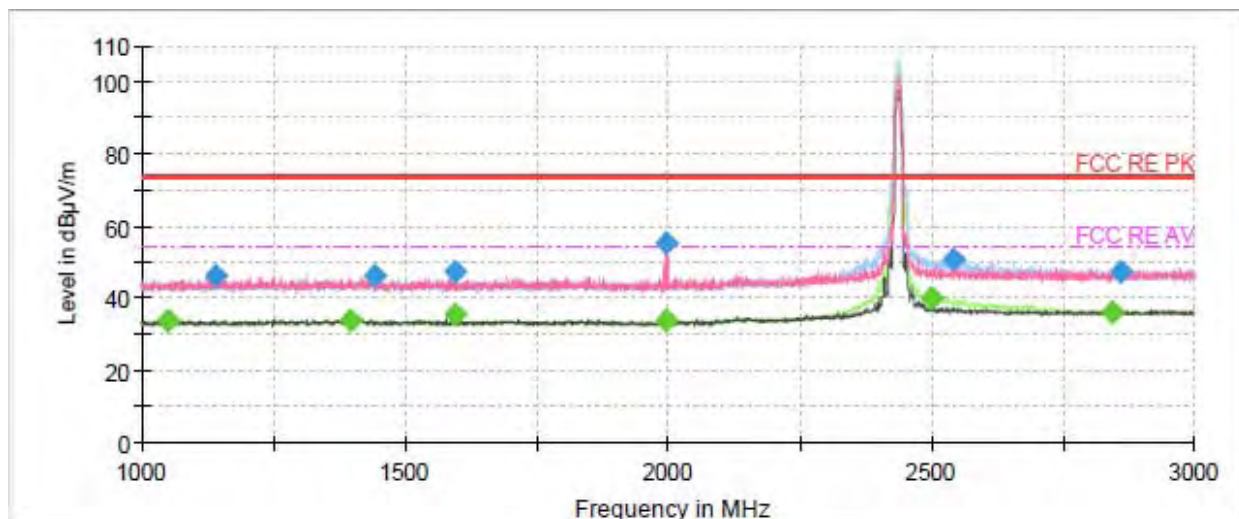


Radiates Emission from 3GHz to 18GHz

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)
3924.500000	40.30	---	74.00	33.70	100.0	V	0.0	-4.4
4021.000000	---	30.19	54.00	23.81	200.0	H	7.0	-3.7
4833.500000	---	51.84	54.00	2.16	200.0	V	153.0	-2.3
4834.000000	53.43	---	74.00	20.57	200.0	V	153.0	-2.3
5893.500000	---	32.18	54.00	21.82	100.0	V	32.0	-0.3
7250.500000	---	36.52	54.00	17.48	100.0	H	291.0	1.3
7251.500000	43.71	---	74.00	30.29	100.0	H	0.0	1.3
8616.500000	44.71	---	74.00	29.29	100.0	H	299.0	3.9
9668.000000	---	36.19	54.00	17.81	200.0	V	259.0	4.0
10655.000000	45.57	---	74.00	28.43	100.0	V	131.0	5.4
12484.500000	46.24	---	74.00	27.76	100.0	V	58.0	7.0
12715.500000	---	36.79	54.00	17.21	100.0	V	318.0	7.5

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

802.11b CH6

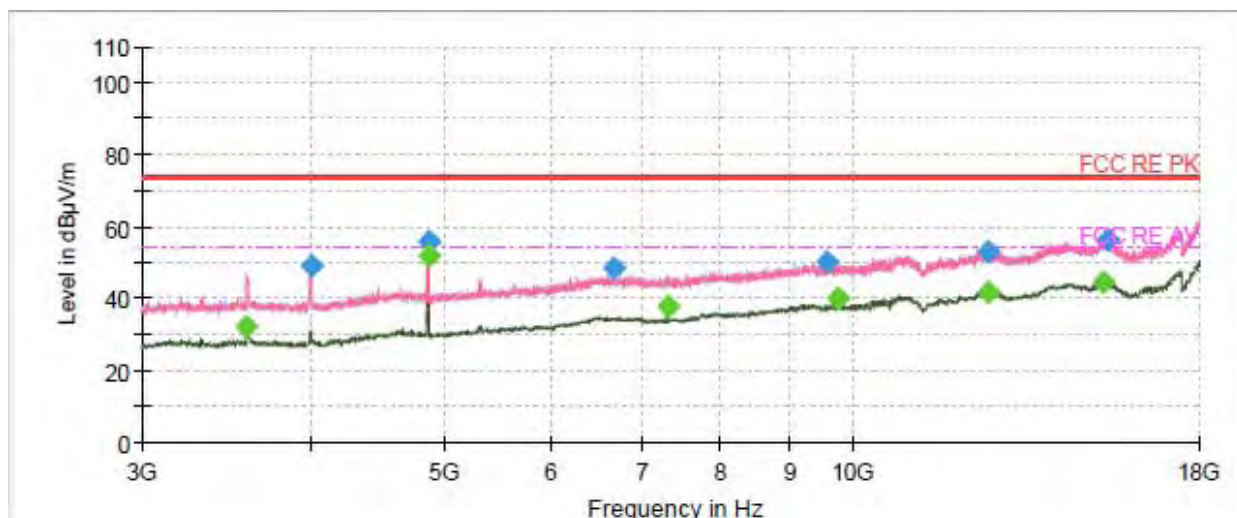


Note: The signal beyond the limit is carrier.

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)
1049.000000	---	33.96	54.00	20.04	200.0	V	9.0	-11.0
1140.750000	46.39	---	74.00	27.61	200.0	V	164.0	-10.5
1394.750000	---	33.94	54.00	20.06	100.0	V	356.0	-9.6
1440.750000	46.03	---	74.00	27.97	200.0	H	307.0	-9.3
1595.750000	---	35.57	54.00	18.43	200.0	V	3.0	-8.9
1595.750000	47.57	---	74.00	26.43	200.0	V	3.0	-8.9
1997.250000	---	33.94	54.00	20.06	200.0	V	267.0	-8.2
1997.250000	55.44	---	74.00	18.56	200.0	V	267.0	-8.2
2498.250000	---	40.30	54.00	13.70	200.0	H	0.0	-6.3
2539.500000	50.70	---	74.00	23.30	200.0	H	355.0	-6.2
2842.000000	---	35.99	54.00	18.01	200.0	H	237.0	-6.1
2860.500000	47.44	---	74.00	26.56	100.0	H	0.0	-6.0

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

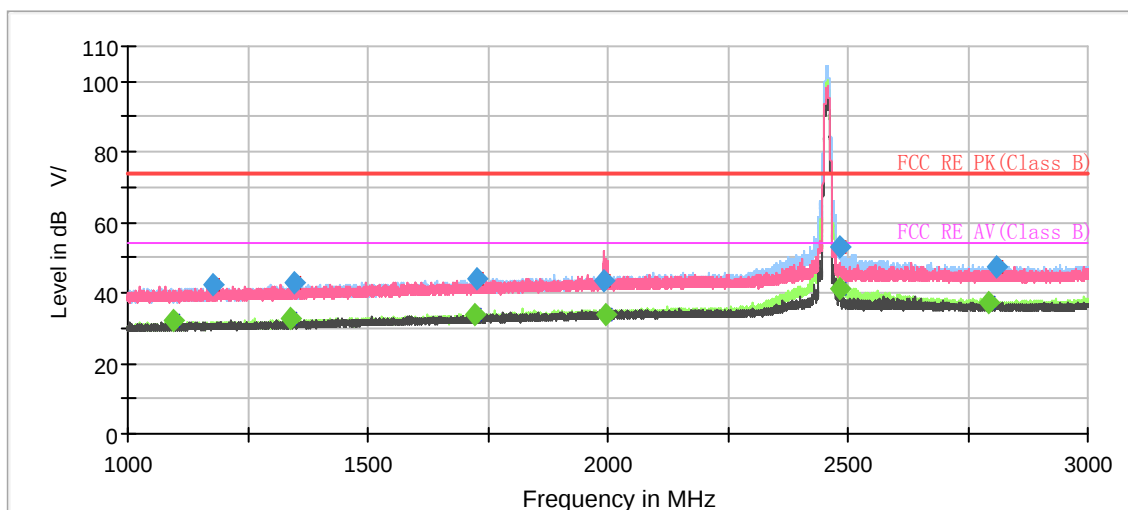


Radiates Emission from 3GHz to 18GHz

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)
3586.875000	---	31.89	54.00	22.11	100.0	V	264.0	-14.4
3993.750000	49.01	---	74.00	24.99	100.0	V	312.0	-13.3
4873.125000	55.86	---	74.00	18.14	200.0	V	346.0	-10.7
4873.125000	---	52.05	54.00	1.95	200.0	V	346.0	-10.7
6673.125000	48.31	---	74.00	25.69	100.0	V	303.0	-3.5
7308.750000	---	37.92	54.00	16.08	100.0	H	230.0	-4.4
9585.000000	50.01	---	74.00	23.99	100.0	V	358.0	-2.4
9748.125000	---	39.80	54.00	14.20	100.0	V	274.0	-2.4
12571.875000	53.22	---	74.00	20.78	100.0	V	178.0	2.1
12573.750000	---	41.98	54.00	12.02	200.0	H	358.0	2.1
15328.125000	---	44.71	54.00	9.29	200.0	V	12.0	5.7
15401.250000	56.67	---	74.00	17.33	200.0	V	161.0	5.6

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

802.11b CH10

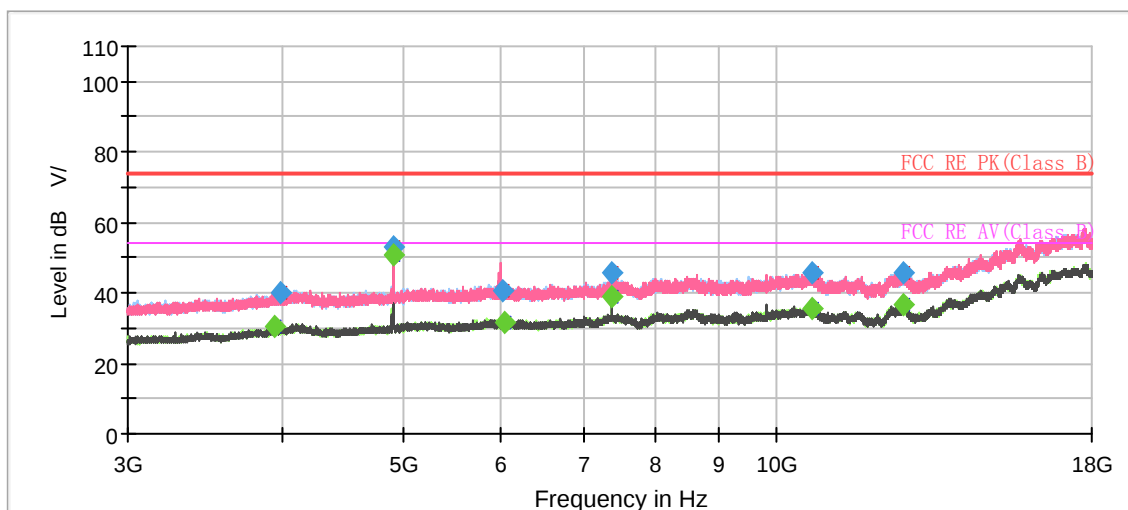


Note: The signal beyond the limit is carrier.

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)
1093.533333	---	32.26	54.00	21.74	100.0	H	141.0	-7.8
1176.533333	42.09	---	74.00	31.91	100.0	H	53.0	-7.4
1339.666667	---	32.61	54.00	21.39	100.0	H	214.0	-6.6
1346.000000	42.78	---	74.00	31.22	200.0	H	294.0	-6.5
1722.333333	---	33.82	54.00	20.18	200.0	H	254.0	-4.3
1726.800000	44.03	---	74.00	29.97	100.0	H	117.0	-4.3
1993.533333	43.45	---	74.00	30.55	200.0	H	0.0	-2.7
1997.000000	---	34.12	54.00	19.88	200.0	H	317.0	-2.7
2483.866667	---	41.34	54.00	12.66	100.0	V	122.0	-0.7
2484.000000	52.96	---	74.00	21.04	100.0	H	173.0	-0.7
2792.800000	---	37.40	54.00	16.60	100.0	H	149.0	0.9
2810.400000	47.52	---	74.00	26.48	100.0	H	0.0	1.0

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

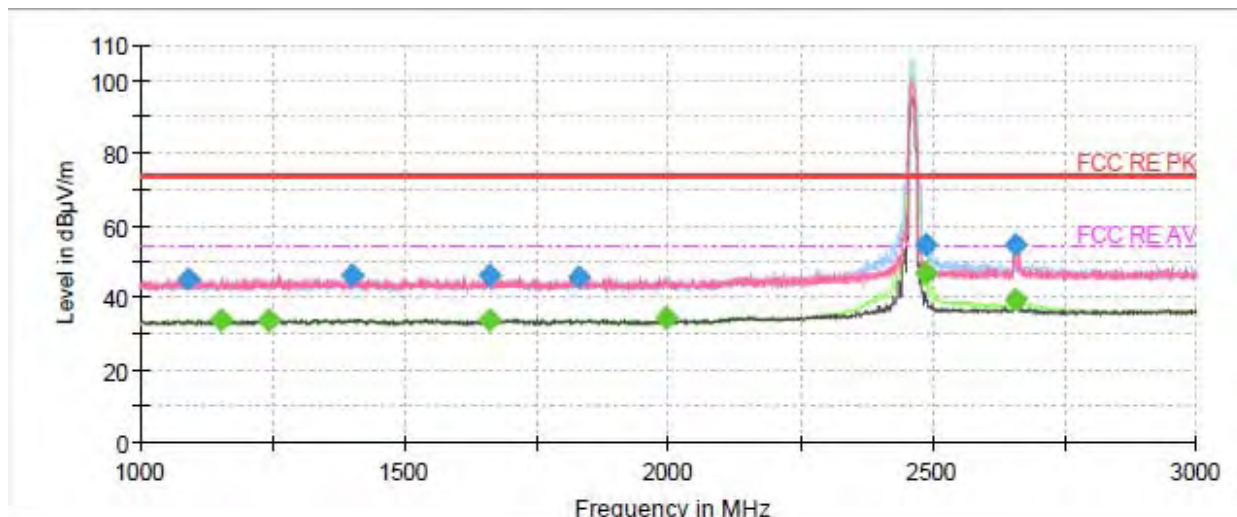


Radiates Emission from 3GHz to 18GHz

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)
3938.500000	---	30.20	54.00	23.80	200.0	V	33.0	-4.3
3986.500000	39.83	---	74.00	34.17	200.0	V	0.0	-3.9
4913.500000	52.77	---	74.00	21.23	100.0	H	33.0	-1.8
4913.500000	---	50.74	54.00	3.26	100.0	H	33.0	-1.8
6022.000000	40.75	---	74.00	33.25	100.0	H	211.0	-0.3
6035.500000	---	31.73	54.00	22.27	200.0	H	61.0	-0.4
7370.000000	---	38.80	54.00	15.20	100.0	H	0.0	1.5
7370.000000	45.71	---	74.00	28.29	100.0	H	0.0	1.5
10702.000000	45.42	---	74.00	28.58	100.0	V	36.0	5.3
10706.000000	---	35.66	54.00	18.34	200.0	V	203.0	5.3
12685.500000	45.69	---	74.00	28.31	100.0	H	0.0	7.5
12698.000000	---	36.49	54.00	17.51	200.0	V	87.0	7.5

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

802.11b CH11

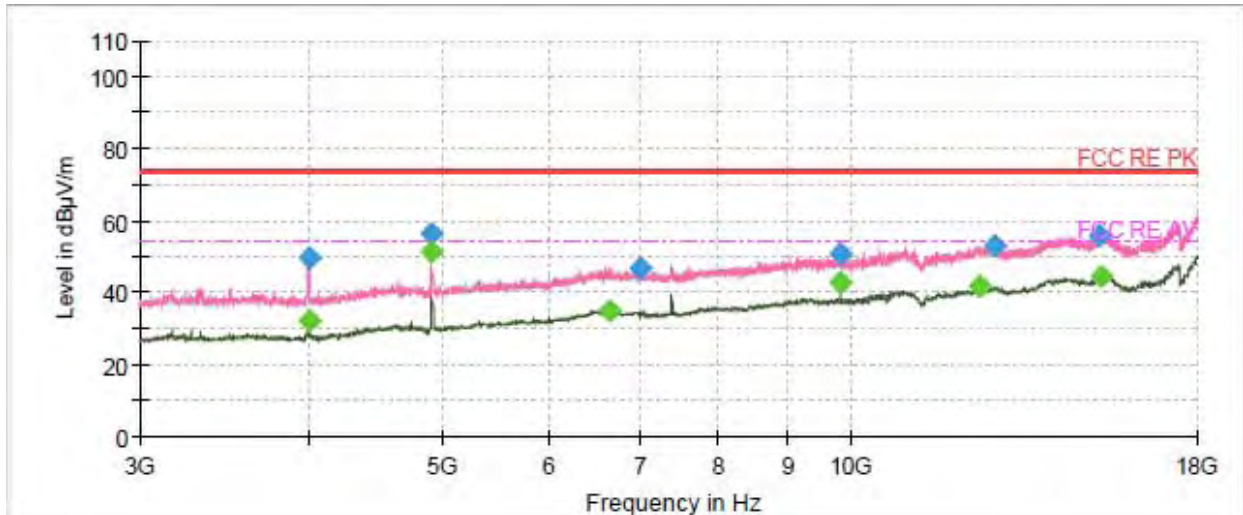


Note: The signal beyond the limit is carrier.

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)
1090.000000	45.08	---	74.00	28.92	200.0	V	0.0	-10.7
1153.250000	---	33.89	54.00	20.11	200.0	V	2.0	-10.4
1244.500000	---	34.03	54.00	19.97	100.0	V	230.0	-10.0
1402.000000	46.20	---	74.00	27.80	100.0	V	255.0	-9.5
1659.250000	---	34.11	54.00	19.89	100.0	H	273.0	-8.8
1660.500000	46.48	---	74.00	27.52	200.0	V	33.0	-8.8
1831.250000	45.93	---	74.00	28.07	200.0	H	277.0	-8.5
1995.500000	---	34.18	54.00	19.82	100.0	V	332.0	-8.2
2487.750000	54.69	---	74.00	19.31	200.0	H	14.0	-6.3
2488.000000	---	47.04	54.00	6.96	200.0	H	6.0	-6.3
2655.500000	---	39.36	54.00	14.64	200.0	V	180.0	-6.1
2655.750000	54.74	---	74.00	19.26	100.0	V	297.0	-6.1

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

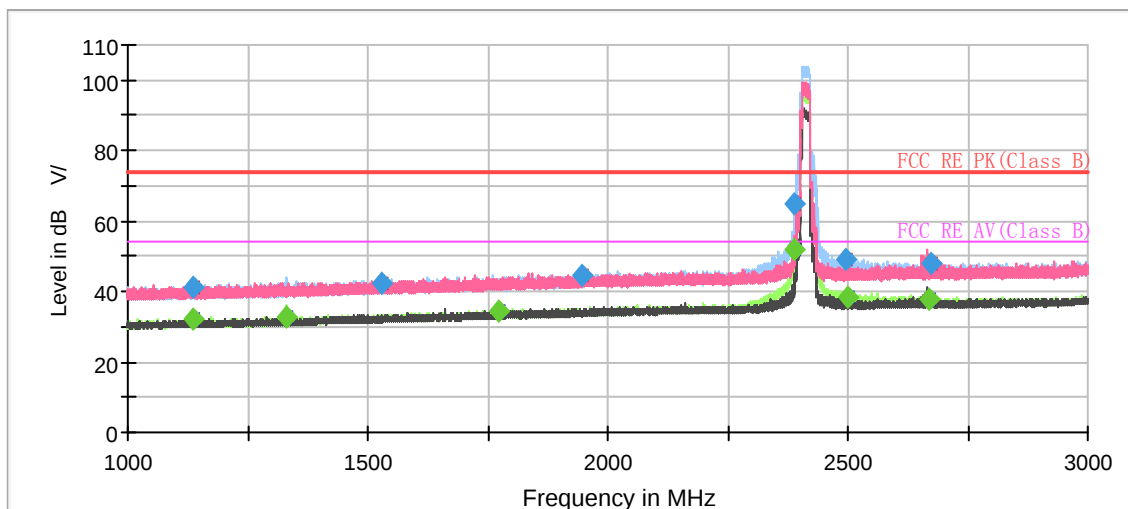


Radiates Emission from 3GHz to 18GHz

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)
3995.625000	49.60	---	74.00	24.40	100.0	H	237.0	-13.3
3997.500000	---	32.26	54.00	21.74	100.0	V	71.0	-13.3
4923.750000	56.68	---	74.00	17.32	200.0	V	22.0	-10.6
4923.750000	---	51.37	54.00	2.63	200.0	V	22.0	-10.6
6654.375000	---	35.08	54.00	18.92	100.0	V	71.0	-3.5
7006.875000	46.83	---	74.00	27.17	100.0	V	258.0	-3.9
9847.500000	---	42.98	54.00	11.02	200.0	V	86.0	-1.8
9847.500000	50.56	---	74.00	23.44	100.0	V	81.0	-1.8
12431.250000	---	41.79	54.00	12.21	100.0	H	159.0	1.6
12776.250000	53.08	---	74.00	20.92	100.0	V	186.0	2.2
15228.750000	55.84	---	74.00	18.16	200.0	H	110.0	5.4
15328.125000	---	44.77	54.00	9.23	200.0	H	178.0	5.7

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

802.11g CH1

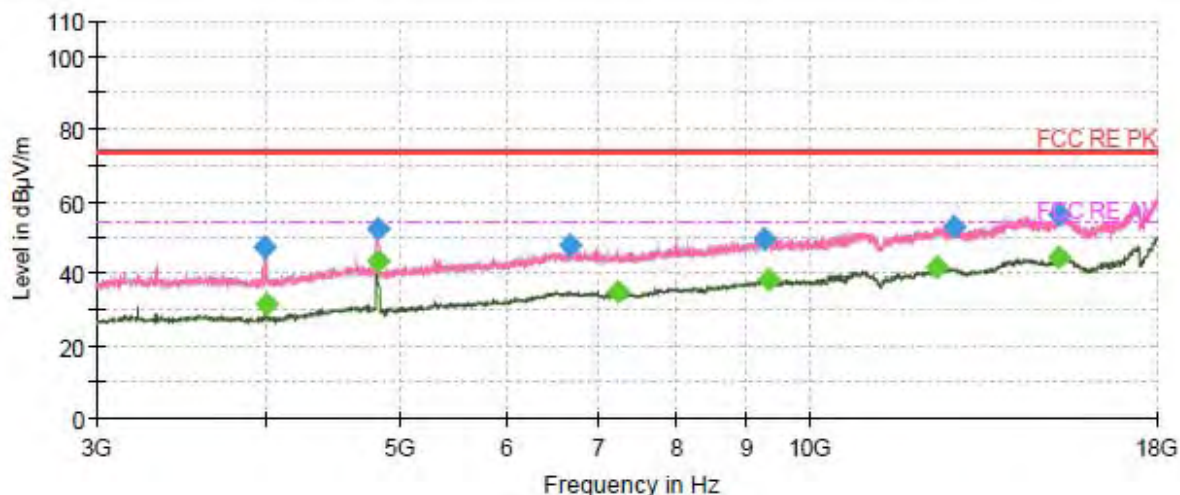


Note: The signal beyond the limit is carrier.

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)
1137.133333	---	32.04	54.00	21.96	200.0	H	27.0	-7.6
1137.266667	41.31	---	74.00	32.69	200.0	V	357.0	-7.6
1330.666667	---	32.50	54.00	21.50	200.0	H	91.0	-6.6
1529.066667	42.36	---	74.00	31.64	100.0	H	298.0	-5.4
1774.066667	---	34.54	54.00	19.46	100.0	V	148.0	-4.0
1947.400000	44.47	---	74.00	29.53	200.0	H	83.0	-3.0
2389.000000	---	51.72	54.00	2.28	200.0	H	298.0	-1.2
2389.000000	64.81	---	74.00	9.19	200.0	H	298.0	-1.2
2494.533333	48.99	---	74.00	25.01	200.0	H	159.0	-0.7
2500.933333	---	38.56	54.00	15.44	100.0	H	290.0	-0.6
2668.533333	---	37.57	54.00	16.43	100.0	H	0.0	0.4
2674.466667	47.73	---	74.00	26.27	100.0	H	71.0	0.5

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

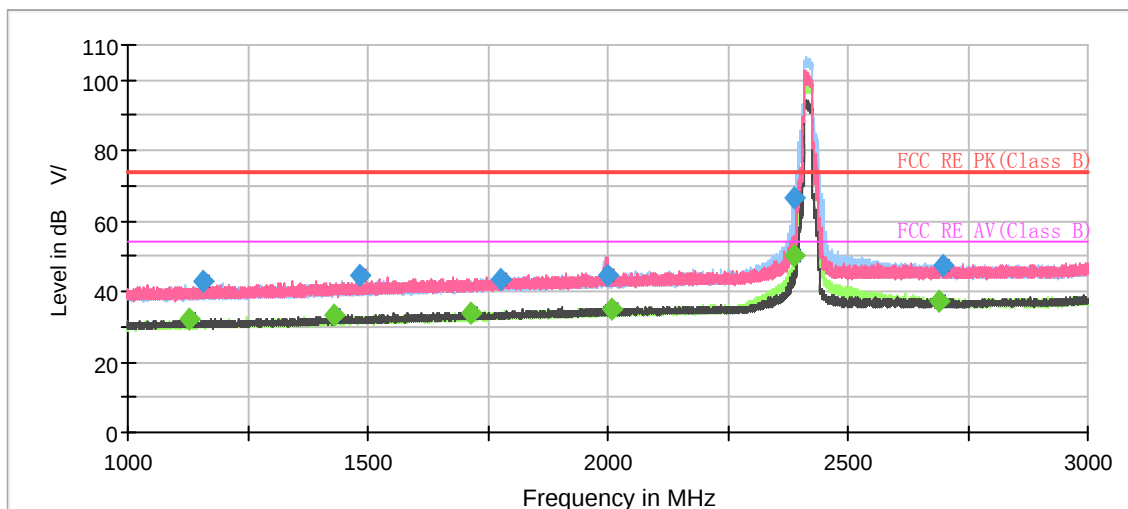


Radiates Emission from 3GHz to 18GHz

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)
3990.000000	47.15	---	74.00	26.85	100.0	V	53.0	-13.4
3999.375000	---	31.49	54.00	22.51	100.0	V	198.0	-13.3
4818.750000	---	43.63	54.00	10.37	200.0	V	354.0	-10.7
4828.125000	52.47	---	74.00	21.53	200.0	V	345.0	-10.7
6665.625000	47.68	---	74.00	26.32	100.0	V	63.0	-3.5
7231.875000	---	35.19	54.00	18.81	200.0	H	354.0	-4.6
9283.125000	49.79	---	74.00	24.21	200.0	V	153.0	-2.9
9350.625000	---	38.50	54.00	15.50	200.0	V	16.0	-2.7
12414.375000	---	41.73	54.00	12.27	200.0	V	238.0	1.6
12795.000000	53.22	---	74.00	20.78	100.0	V	237.0	2.1
15236.250000	56.50	---	74.00	17.50	100.0	H	306.0	5.4
15241.875000	---	44.80	54.00	9.20	100.0	V	139.0	5.4

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

802.11g CH2

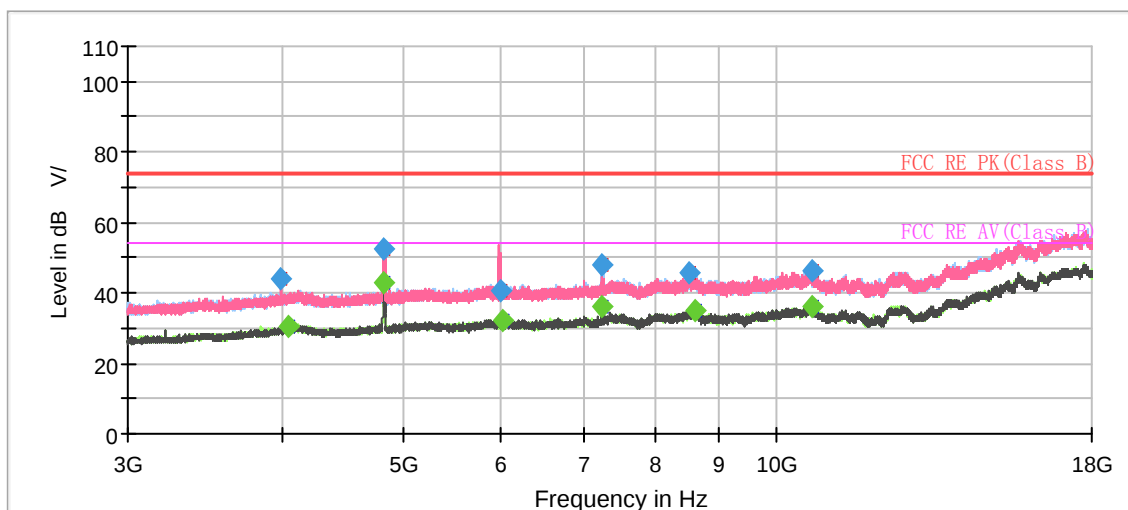


Note: The signal beyond the limit is carrier.

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)
1128.800000	---	32.38	54.00	21.62	100.0	V	0.0	-7.6
1157.733333	42.73	---	74.00	31.27	200.0	V	245.0	-7.5
1430.600000	---	33.50	54.00	20.50	100.0	V	238.0	-6.0
1482.266667	44.62	---	74.00	29.38	200.0	H	320.0	-5.7
1713.533333	---	34.13	54.00	19.87	100.0	V	205.0	-4.4
1778.133333	43.47	---	74.00	30.53	200.0	V	212.0	-4.0
2000.800000	44.63	---	74.00	29.37	200.0	H	50.0	-2.6
2007.400000	---	34.91	54.00	19.09	200.0	V	122.0	-2.6
2389.466667	---	50.04	54.00	3.96	200.0	H	184.0	-1.2
2389.800000	66.46	---	74.00	7.54	200.0	H	89.0	-1.2
2691.000000	---	37.37	54.00	16.63	100.0	H	294.0	0.5
2696.600000	47.13	---	74.00	26.87	200.0	H	192.0	0.5

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

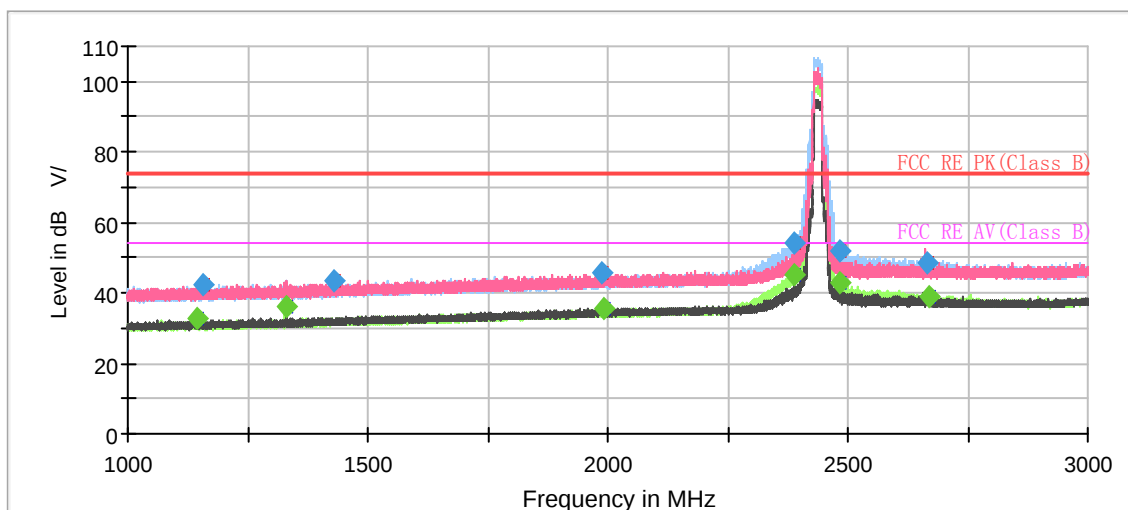


Radiates Emission from 3GHz to 18GHz

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)
3992.000000	44.11	---	74.00	29.89	100.0	V	89.0	-3.9
4038.500000	---	30.50	54.00	23.50	200.0	V	264.0	-3.6
4833.000000	---	42.93	54.00	11.07	200.0	V	158.0	-2.3
4835.500000	52.47	---	74.00	21.53	200.0	V	158.0	-2.3
6004.500000	40.64	---	74.00	33.36	200.0	H	8.0	-0.3
6030.000000	---	32.35	54.00	21.65	200.0	H	121.0	-0.4
7252.000000	---	36.15	54.00	17.85	100.0	H	0.0	1.3
7252.000000	47.82	---	74.00	26.18	100.0	H	0.0	1.3
8513.000000	45.72	---	74.00	28.28	100.0	H	12.0	3.9
8626.500000	---	35.20	54.00	18.80	100.0	H	88.0	3.8
10684.000000	46.02	---	74.00	27.98	100.0	H	238.0	5.3
10703.000000	---	36.27	54.00	17.73	100.0	H	325.0	5.3

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

802.11g CH6

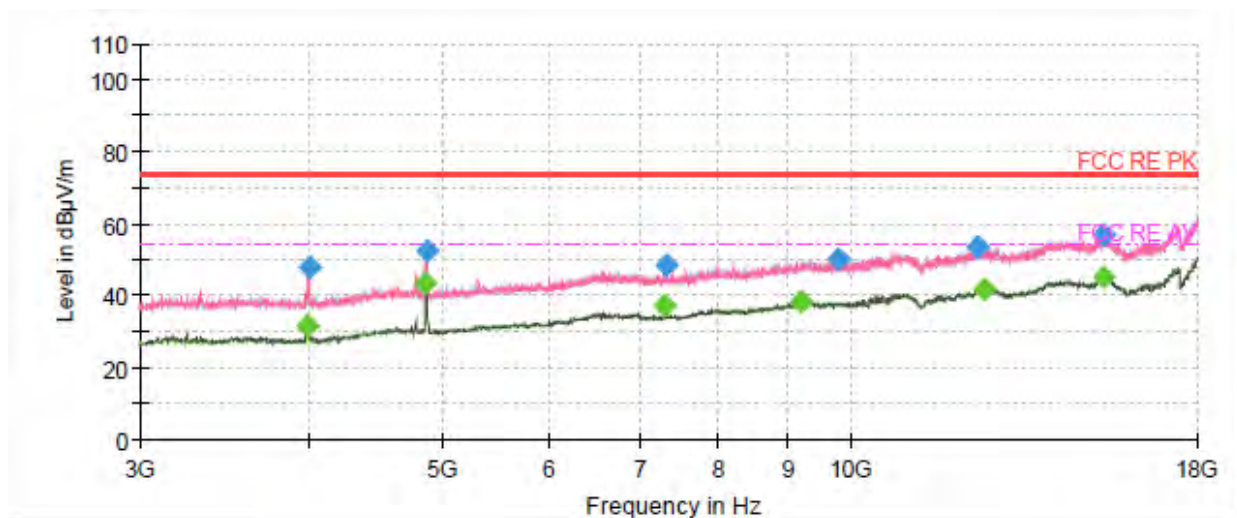


Note: The signal beyond the limit is carrier.

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)
1146.400000	---	32.44	54.00	21.56	100.0	V	284.0	-7.6
1158.666667	42.38	---	74.00	31.62	200.0	V	274.0	-7.5
1332.200000	---	35.88	54.00	18.12	200.0	H	229.0	-6.6
1431.466667	43.64	---	74.00	30.36	200.0	V	80.0	-6.0
1985.733333	45.78	---	74.00	28.22	100.0	V	193.0	-2.7
1989.800000	---	35.57	54.00	18.43	200.0	V	218.0	-2.7
2388.800000	54.31	---	74.00	19.69	100.0	H	0.0	-1.2
2389.000000	---	44.86	54.00	9.14	200.0	H	122.0	-1.2
2485.200000	52.01	---	74.00	21.99	200.0	H	357.0	-0.7
2485.533333	---	42.65	54.00	11.35	100.0	H	0.0	-0.7
2665.133333	48.37	---	74.00	25.63	100.0	V	169.0	0.4
2670.533333	---	38.65	54.00	15.35	100.0	H	304.0	0.4

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

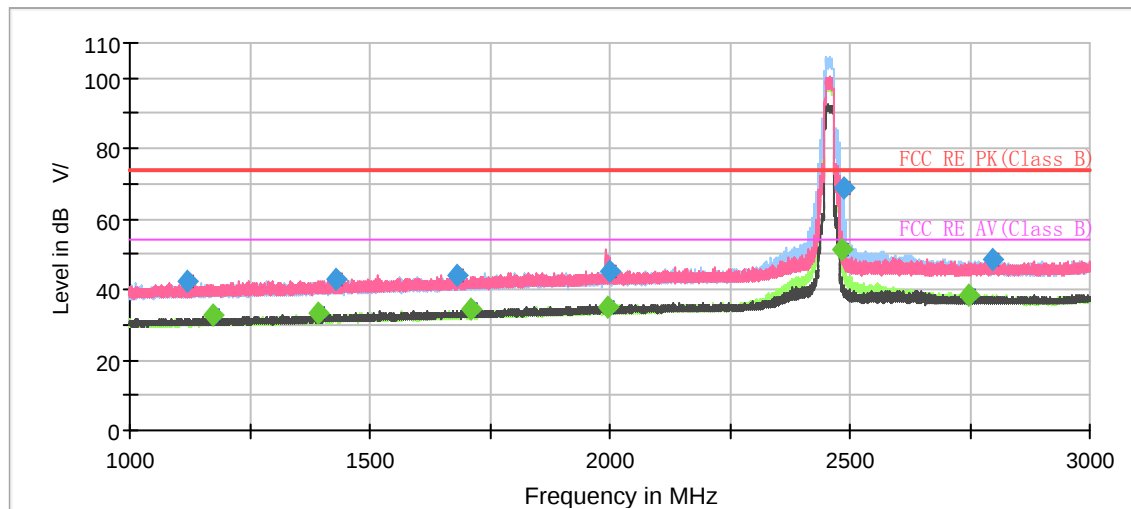


Radiates Emission from 3GHz to 18GHz

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)
3984.375000	---	31.44	54.00	22.56	100.0	V	71.0	-13.4
3997.500000	48.12	---	74.00	25.88	100.0	V	71.0	-13.3
4871.250000	---	43.37	54.00	10.63	200.0	V	346.0	-10.7
4875.000000	52.53	---	74.00	21.47	200.0	V	346.0	-10.7
7306.875000	---	37.23	54.00	16.77	200.0	H	350.0	-4.4
7308.750000	48.29	---	74.00	25.71	200.0	H	350.0	-4.4
9215.625000	---	38.51	54.00	15.49	100.0	H	9.0	-2.8
9789.375000	50.08	---	74.00	23.92	100.0	V	356.0	-2.1
12420.000000	53.35	---	74.00	20.65	100.0	H	4.0	1.6
12541.875000	---	41.61	54.00	12.39	100.0	H	107.0	2.0
15343.125000	57.20	---	74.00	16.80	100.0	V	356.0	5.8
15376.875000	---	45.02	54.00	8.98	100.0	V	185.0	5.7

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

802.11g CH10

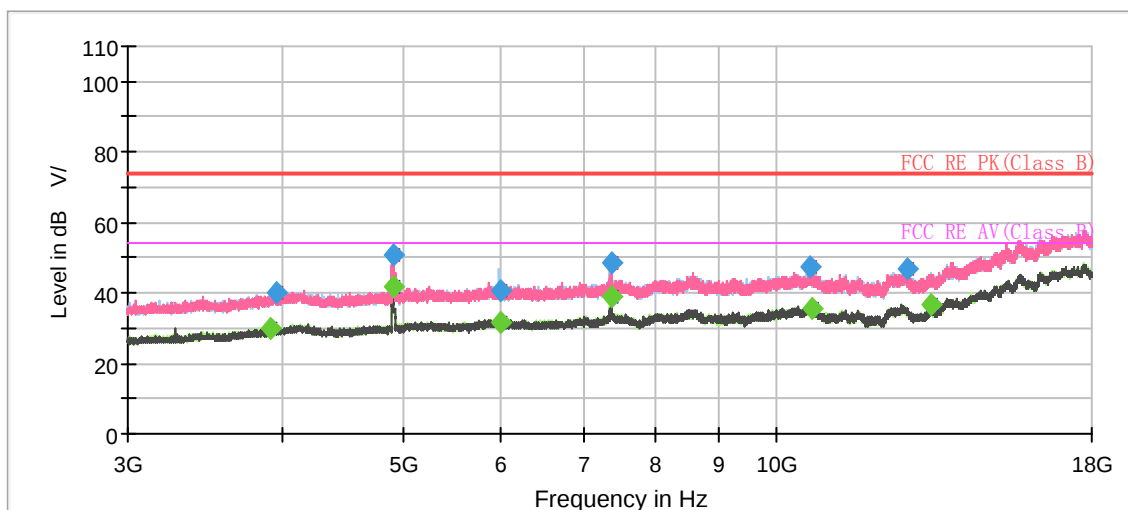


Note: The signal beyond the limit is carrier.

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)
1118.200000	42.12	---	74.00	31.88	200.0	H	320.0	-7.7
1173.066667	---	32.49	54.00	21.51	100.0	H	346.0	-7.4
1391.866667	---	33.10	54.00	20.90	100.0	H	314.0	-6.2
1430.866667	42.62	---	74.00	31.38	100.0	H	314.0	-6.0
1681.133333	44.26	---	74.00	29.74	200.0	V	250.0	-4.6
1710.933333	---	34.19	54.00	19.81	200.0	V	242.0	-4.4
1996.600000	---	34.82	54.00	19.18	100.0	H	305.0	-2.7
1999.133333	44.93	---	74.00	29.07	100.0	H	23.0	-2.7
2484.866667	---	51.18	54.00	2.82	100.0	H	186.0	-0.7
2486.533333	68.91	---	74.00	5.09	100.0	H	186.0	-0.7
2748.266667	---	38.52	54.00	15.48	200.0	H	0.0	0.7
2798.200000	48.46	---	74.00	25.54	100.0	H	353.0	0.9

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

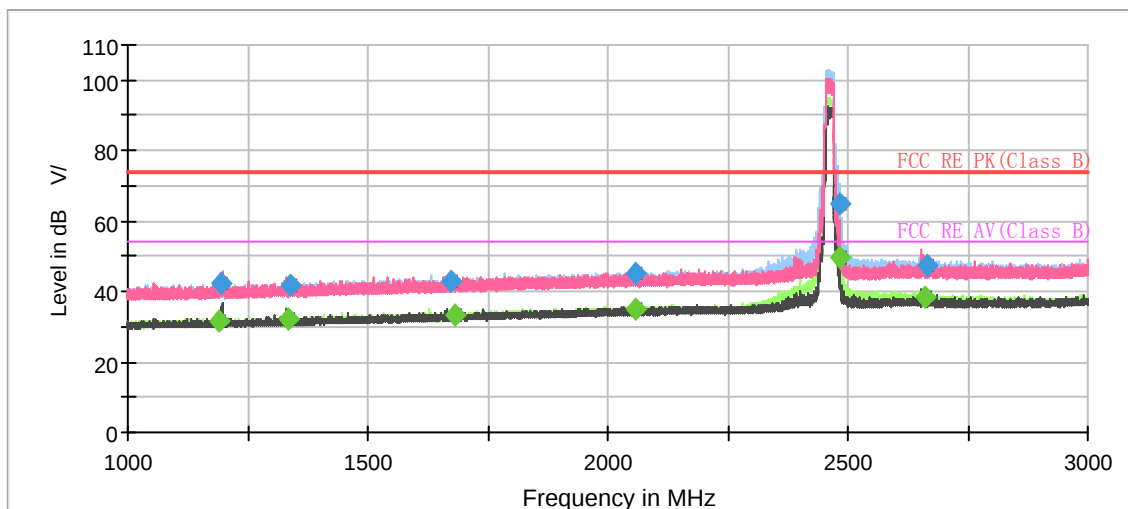


Radiates Emission from 3GHz to 18GHz

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)
3910.500000	---	30.17	54.00	23.83	100.0	H	310.0	-4.5
3955.500000	39.84	---	74.00	34.16	200.0	H	78.0	-4.2
4913.500000	---	41.68	54.00	12.32	100.0	V	64.0	-1.8
4914.500000	50.75	---	74.00	23.25	100.0	H	35.0	-1.8
6000.500000	---	31.71	54.00	22.29	200.0	V	183.0	-0.3
6004.000000	40.77	---	74.00	33.23	100.0	V	100.0	-0.3
7370.500000	48.31	---	74.00	25.69	200.0	H	0.0	1.5
7372.000000	---	38.74	54.00	15.26	100.0	H	0.0	1.5
10654.500000	47.20	---	74.00	26.80	200.0	V	322.0	5.4
10692.000000	---	35.69	54.00	18.31	100.0	H	89.0	5.3
12777.500000	46.97	---	74.00	27.03	100.0	V	126.0	7.6
13334.500000	---	36.41	54.00	17.59	100.0	H	345.0	8.7

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

802.11g CH11

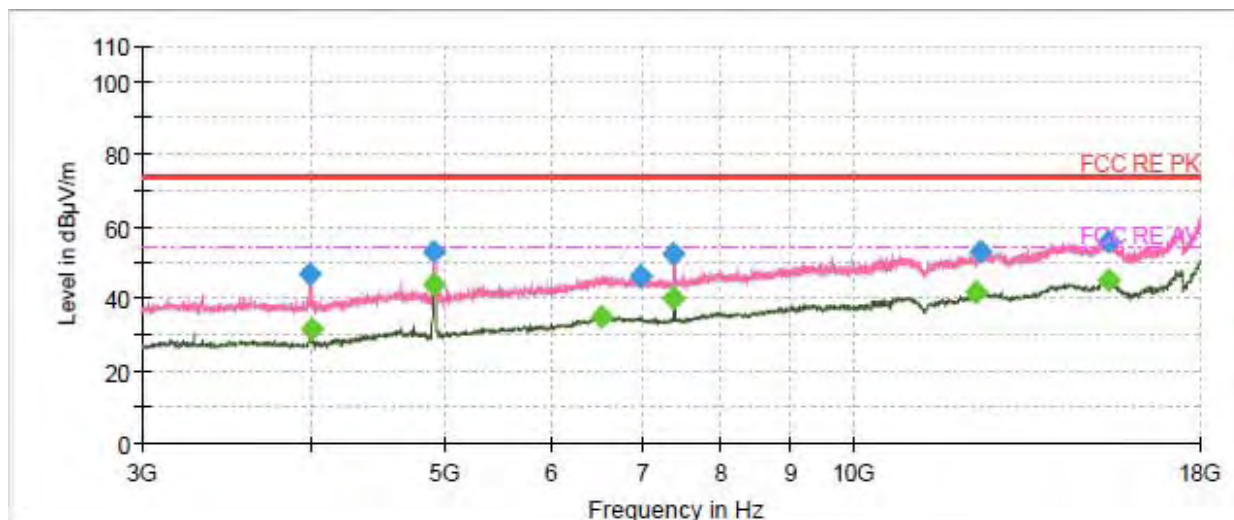


Note: The signal beyond the limit is carrier.

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)
1190.733333	---	31.44	54.00	22.56	100.0	H	179.0	-7.3
1193.866667	42.20	---	74.00	31.80	100.0	V	0.0	-7.3
1336.066667	---	31.94	54.00	22.06	100.0	H	298.0	-6.6
1340.400000	41.50	---	74.00	32.50	100.0	H	218.0	-6.6
1674.800000	42.64	---	74.00	31.36	200.0	H	67.0	-4.6
1681.466667	---	33.47	54.00	20.53	100.0	H	187.0	-4.6
2057.400000	---	35.18	54.00	18.82	100.0	V	66.0	-2.4
2059.000000	45.12	---	74.00	28.88	200.0	H	221.0	-2.4
2484.133333	---	49.67	54.00	4.33	100.0	H	354.0	-0.7
2484.733333	64.95	---	74.00	9.05	200.0	H	0.0	-0.7
2659.800000	---	38.37	54.00	15.63	100.0	H	147.0	0.4
2665.800000	47.54	---	74.00	26.46	200.0	H	312.0	0.4

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



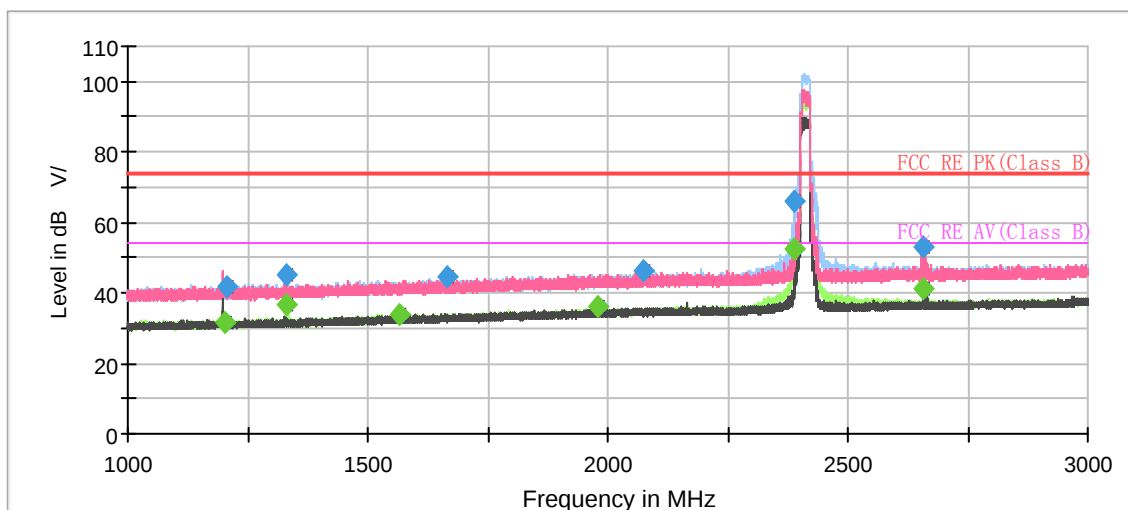
Radiates Emission from 3GHz to 18GHz

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)
3990.000000	47.00	---	74.00	27.00	100.0	H	354.0	-13.4
3993.750000	---	31.51	54.00	22.49	200.0	V	6.0	-13.3
4916.250000	53.01	---	74.00	20.99	200.0	V	2.0	-10.6
4923.750000	---	43.93	54.00	10.07	200.0	V	20.0	-10.6
6541.875000	---	34.98	54.00	19.02	100.0	V	133.0	-3.7
6976.875000	46.41	---	74.00	27.59	200.0	H	209.0	-3.8
7383.750000	---	39.90	54.00	14.10	100.0	H	178.0	-4.3
7383.750000	52.38	---	74.00	21.62	100.0	H	178.0	-4.3
12309.375000	---	41.87	54.00	12.13	100.0	H	1.0	1.4
12393.750000	52.92	---	74.00	21.08	100.0	V	278.0	1.5
15395.625000	---	45.00	54.00	9.00	100.0	H	4.0	5.6
15410.625000	55.63	---	74.00	18.37	100.0	H	44.0	5.6

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



802.11n (HT20) CH1

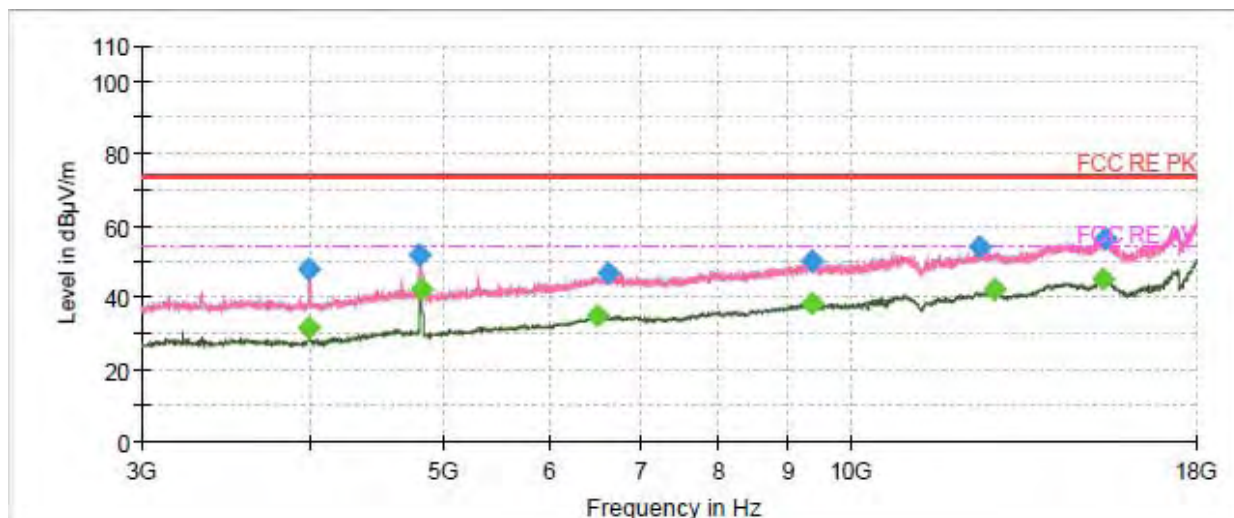


Note: The signal beyond the limit is carrier.

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)
1202.866667	---	31.85	54.00	22.15	100.0	V	9.0	-7.3
1208.066667	41.58	---	74.00	32.42	200.0	H	0.0	-7.3
1332.000000	45.03	---	74.00	28.97	100.0	H	124.0	-6.6
1332.000000	---	36.40	54.00	17.60	100.0	H	124.0	-6.6
1565.000000	---	34.12	54.00	19.88	100.0	V	49.0	-5.2
1666.733333	44.46	---	74.00	29.54	200.0	V	168.0	-4.7
1978.733333	---	35.88	54.00	18.12	100.0	V	57.0	-2.8
2073.600000	46.21	---	74.00	27.79	200.0	H	244.0	-2.4
2389.400000	---	52.59	54.00	1.41	100.0	H	0.0	-1.2
2389.533333	66.09	---	74.00	7.91	100.0	H	356.0	-1.2
2655.333333	---	41.44	54.00	12.56	100.0	V	173.0	0.4
2656.000000	52.78	---	74.00	21.22	100.0	V	173.0	0.4

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

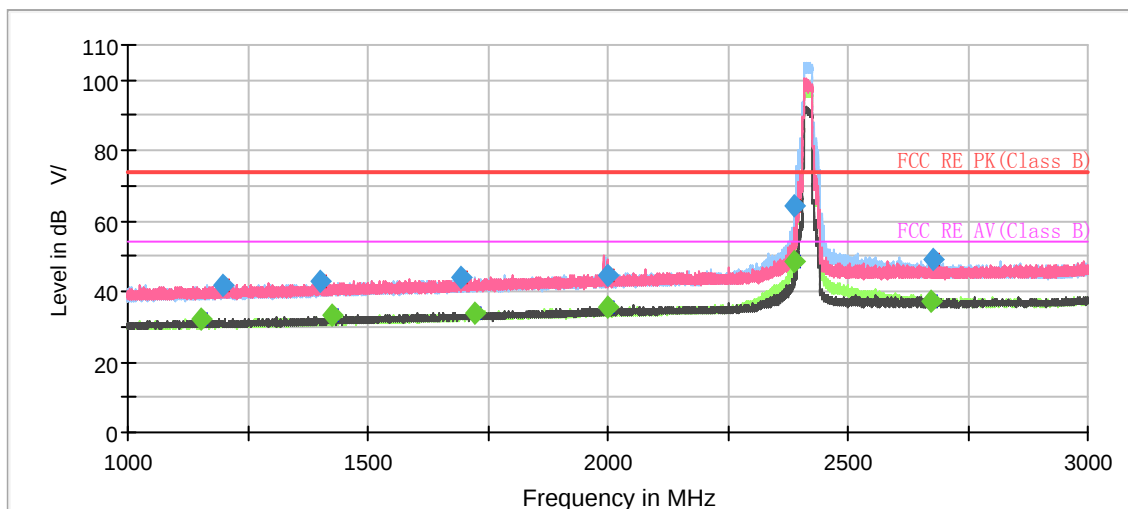


Radiates Emission from 3GHz to 18GHz

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)
3984.375000	47.75	---	74.00	26.25	100.0	H	239.0	-13.4
3990.000000	---	31.45	54.00	22.55	100.0	V	198.0	-13.4
4811.250000	51.88	---	74.00	22.12	200.0	V	353.0	-10.6
4824.375000	---	42.15	54.00	11.85	200.0	V	353.0	-10.7
6510.000000	---	35.07	54.00	18.93	100.0	H	57.0	-3.7
6639.375000	46.88	---	74.00	27.12	100.0	H	181.0	-3.5
9367.500000	---	38.61	54.00	15.39	100.0	V	293.0	-2.7
9373.125000	50.03	---	74.00	23.97	200.0	V	8.0	-2.7
12444.375000	53.91	---	74.00	20.09	200.0	H	225.0	1.7
12795.000000	---	42.13	54.00	11.87	200.0	H	359.0	2.1
15352.500000	---	45.02	54.00	8.98	100.0	H	307.0	5.8
15391.875000	56.60	---	74.00	17.40	100.0	H	7.0	5.7

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

802.11n (HT20) CH2

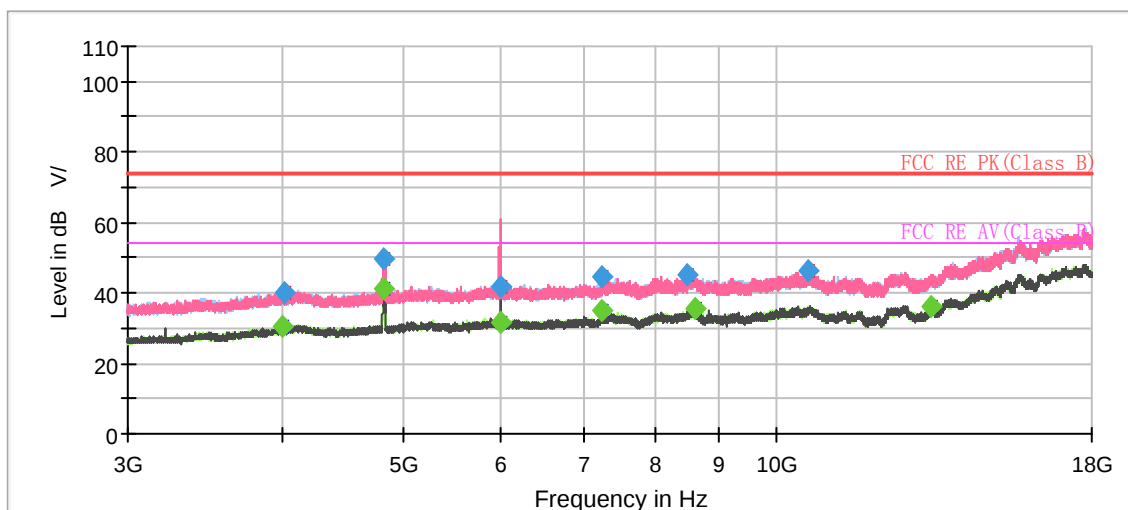


Note: The signal beyond the limit is carrier.

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)
1151.600000	---	32.00	54.00	22.00	200.0	V	104.0	-7.5
1196.866667	41.94	---	74.00	32.06	100.0	H	248.0	-7.3
1402.533333	43.00	---	74.00	31.00	200.0	V	321.0	-6.1
1427.133333	---	33.04	54.00	20.96	200.0	V	281.0	-6.0
1695.200000	44.16	---	74.00	29.84	200.0	V	191.0	-4.5
1724.400000	---	34.02	54.00	19.98	200.0	V	176.0	-4.3
1999.133333	44.50	---	74.00	29.50	100.0	V	9.0	-2.7
2000.133333	---	35.32	54.00	18.68	100.0	V	357.0	-2.7
2388.533333	---	48.52	54.00	5.48	200.0	H	186.0	-1.2
2389.133333	64.40	---	74.00	9.60	100.0	H	87.0	-1.2
2672.133333	---	37.27	54.00	16.73	100.0	H	167.0	0.4
2676.400000	48.83	---	74.00	25.17	200.0	H	82.0	0.5

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

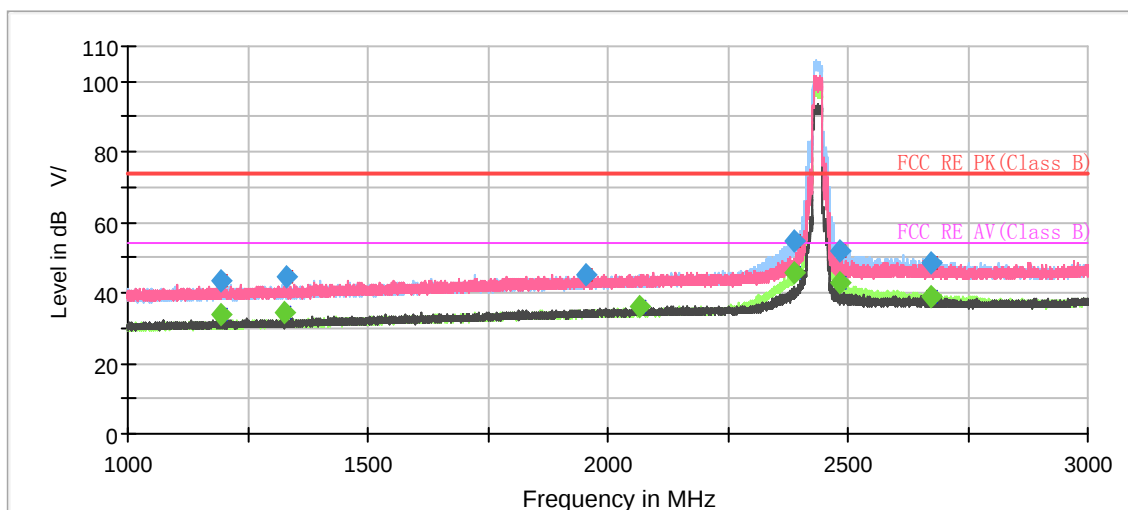


Radiates Emission from 3GHz to 18GHz

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)
3996.000000	---	30.54	54.00	23.46	200.0	H	282.0	-3.9
4010.500000	40.30	---	74.00	33.70	100.0	V	35.0	-3.8
4825.500000	49.59	---	74.00	24.41	200.0	V	159.0	-2.4
4833.500000	---	41.26	54.00	12.74	200.0	V	147.0	-2.3
6008.000000	41.59	---	74.00	32.41	200.0	H	43.0	-0.3
6009.000000	---	31.72	54.00	22.28	200.0	H	0.0	-0.3
7249.500000	---	34.80	54.00	19.20	100.0	H	1.0	1.3
7249.500000	44.35	---	74.00	29.65	100.0	H	1.0	1.3
8498.000000	44.99	---	74.00	29.01	100.0	V	123.0	3.8
8617.500000	---	35.72	54.00	18.28	100.0	H	282.0	3.8
10642.000000	46.41	---	74.00	27.59	200.0	H	17.0	5.4
13343.000000	---	36.22	54.00	17.78	200.0	V	320.0	8.7

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

802.11n (HT20) CH6

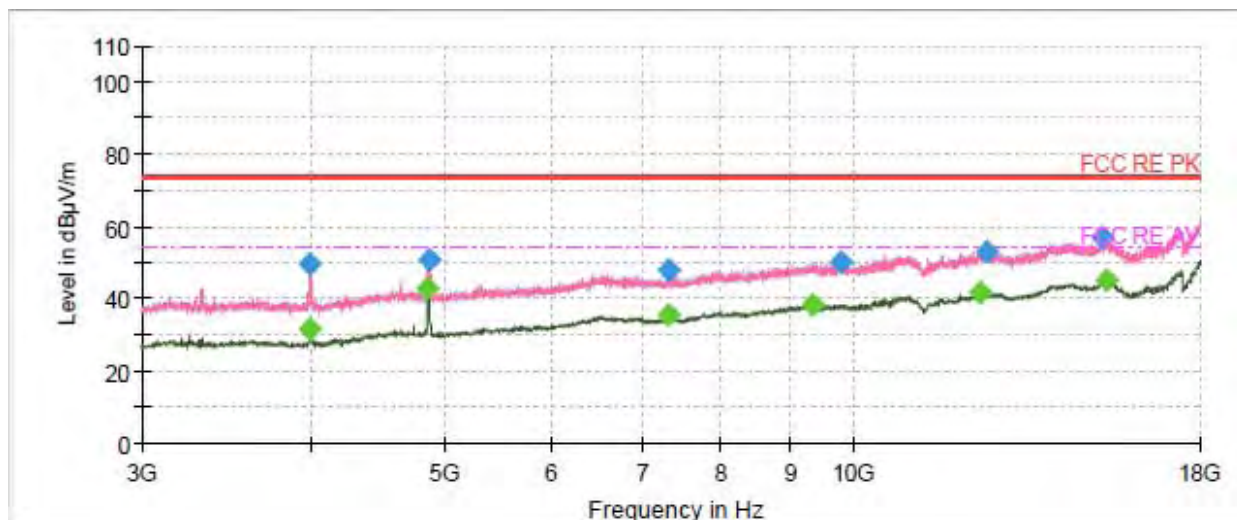


Note: The signal beyond the limit is carrier.

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)
1194.800000	---	33.95	54.00	20.05	200.0	V	7.0	-7.3
1195.000000	43.18	---	74.00	30.82	200.0	V	7.0	-7.3
1328.133333	---	34.54	54.00	19.46	100.0	V	337.0	-6.6
1328.533333	44.47	---	74.00	29.53	200.0	H	237.0	-6.6
1952.600000	45.37	---	74.00	28.63	200.0	H	74.0	-3.0
2065.200000	---	36.03	54.00	17.97	100.0	H	106.0	-2.4
2388.200000	---	45.87	54.00	8.13	200.0	H	138.0	-1.2
2388.200000	54.65	---	74.00	19.35	200.0	H	138.0	-1.2
2485.200000	---	42.83	54.00	11.17	200.0	H	3.0	-0.7
2485.333333	51.66	---	74.00	22.34	100.0	H	139.0	-0.7
2674.133333	48.28	---	74.00	25.72	100.0	H	196.0	0.5
2675.000000	---	39.03	54.00	14.97	100.0	H	64.0	0.5

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

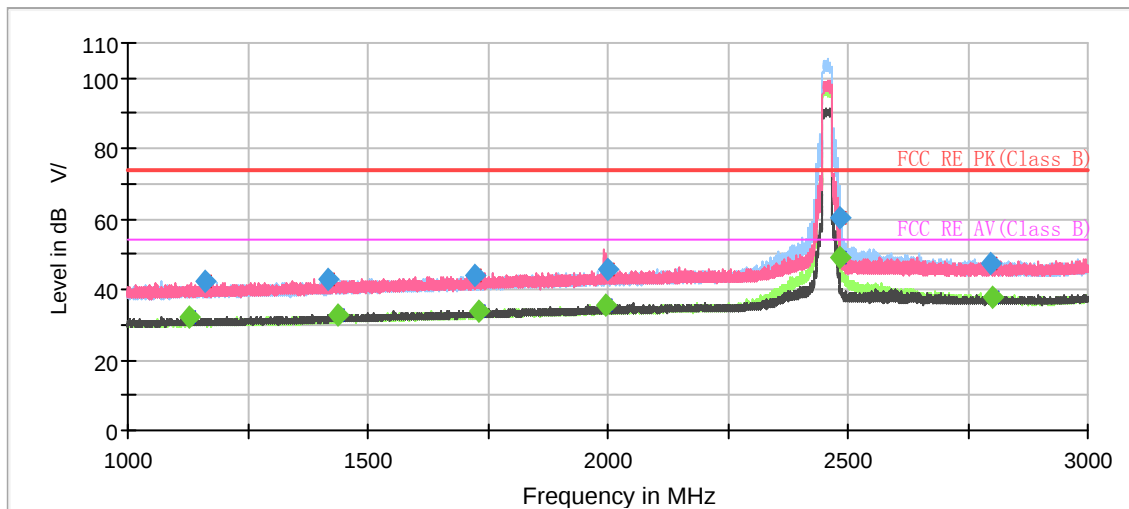


Radiates Emission from 3GHz to 18GHz

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)
3988.125000	---	31.71	54.00	22.29	100.0	V	72.0	-13.4
3990.000000	49.39	---	74.00	24.61	100.0	H	229.0	-13.4
4869.375000	---	42.95	54.00	11.05	200.0	V	354.0	-10.7
4880.625000	50.81	---	74.00	23.19	200.0	V	346.0	-10.7
7310.625000	---	35.66	54.00	18.34	100.0	H	181.0	-4.4
7316.250000	47.80	---	74.00	26.20	200.0	H	352.0	-4.4
9346.875000	---	38.57	54.00	15.43	100.0	H	190.0	-2.7
9802.500000	50.14	---	74.00	23.86	200.0	H	0.0	-2.0
12393.750000	---	41.97	54.00	12.03	100.0	V	82.0	1.5
12541.875000	53.22	---	74.00	20.78	100.0	H	28.0	2.0
15251.250000	56.70	---	74.00	17.30	100.0	H	14.0	5.5
15354.375000	---	45.03	54.00	8.97	100.0	H	14.0	5.8

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

802.11n (HT20) CH10

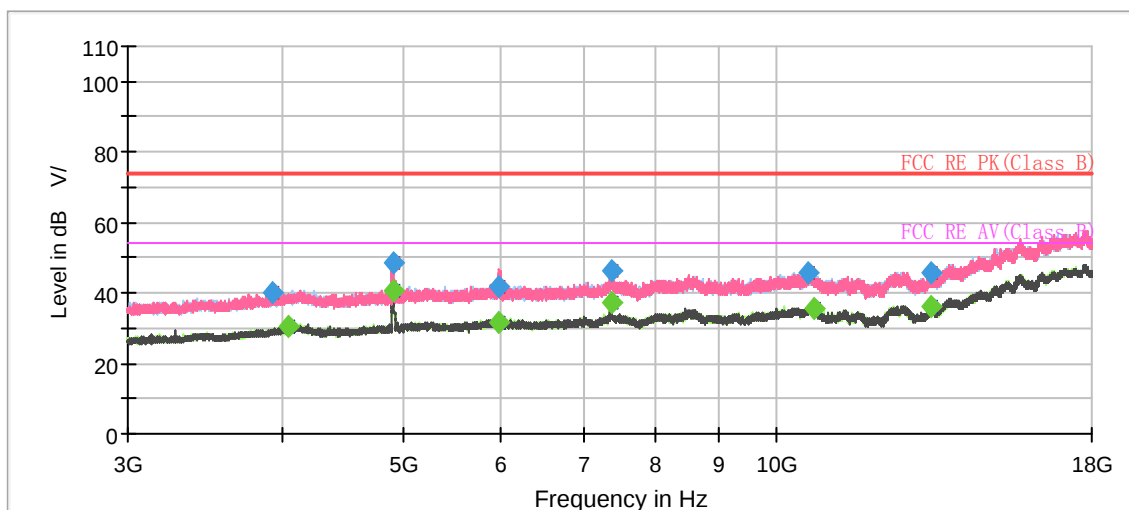


Note: The signal beyond the limit is carrier.

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)
1129.666667	---	31.90	54.00	22.10	200.0	H	313.0	-7.6
1162.200000	42.42	---	74.00	31.58	100.0	H	36.0	-7.5
1415.333333	42.96	---	74.00	31.04	100.0	V	113.0	-6.1
1437.333333	---	32.87	54.00	21.13	100.0	H	219.0	-5.9
1721.733333	43.97	---	74.00	30.03	200.0	V	18.0	-4.3
1730.600000	---	34.01	54.00	19.99	100.0	V	130.0	-4.3
1994.533333	---	35.31	54.00	18.69	200.0	H	220.0	-2.7
1999.933333	45.71	---	74.00	28.29	200.0	H	19.0	-2.7
2483.666667	---	48.82	54.00	5.18	100.0	H	168.0	-0.7
2483.733333	60.50	---	74.00	13.50	200.0	H	99.0	-0.7
2798.666667	47.14	---	74.00	26.86	200.0	H	0.0	0.9
2801.133333	---	37.96	54.00	16.04	200.0	H	0.0	0.9

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

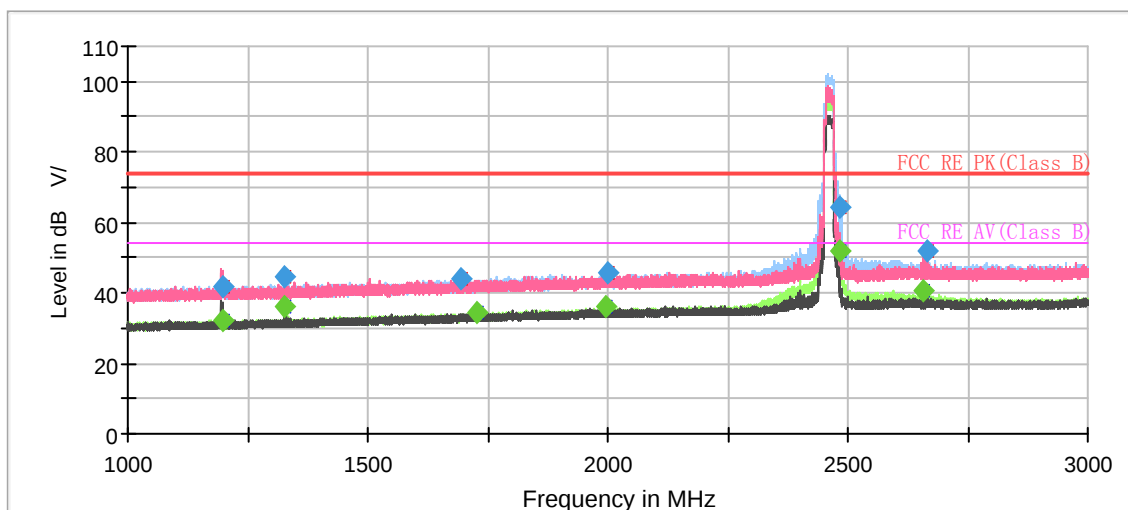


Radiates Emission from 3GHz to 18GHz

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)
3930.500000	39.92	---	74.00	34.08	100.0	H	192.0	-4.3
4041.000000	---	30.35	54.00	23.65	100.0	H	340.0	-3.6
4913.000000	---	40.58	54.00	13.42	100.0	V	209.0	-1.9
4918.500000	48.57	---	74.00	25.43	100.0	H	102.0	-1.8
5971.000000	---	31.33	54.00	22.67	200.0	H	11.0	-0.3
5985.500000	41.75	---	74.00	32.25	100.0	V	105.0	-0.3
7363.500000	---	37.38	54.00	16.62	100.0	H	357.0	1.5
7382.500000	46.31	---	74.00	27.69	100.0	H	7.0	1.5
10622.500000	45.63	---	74.00	28.37	100.0	H	67.0	5.5
10738.500000	---	35.74	54.00	18.26	200.0	H	126.0	5.2
13337.500000	---	36.35	54.00	17.65	100.0	V	62.0	8.7
13348.000000	45.94	---	74.00	28.06	200.0	V	316.0	8.7

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

802.11n (HT20) CH11

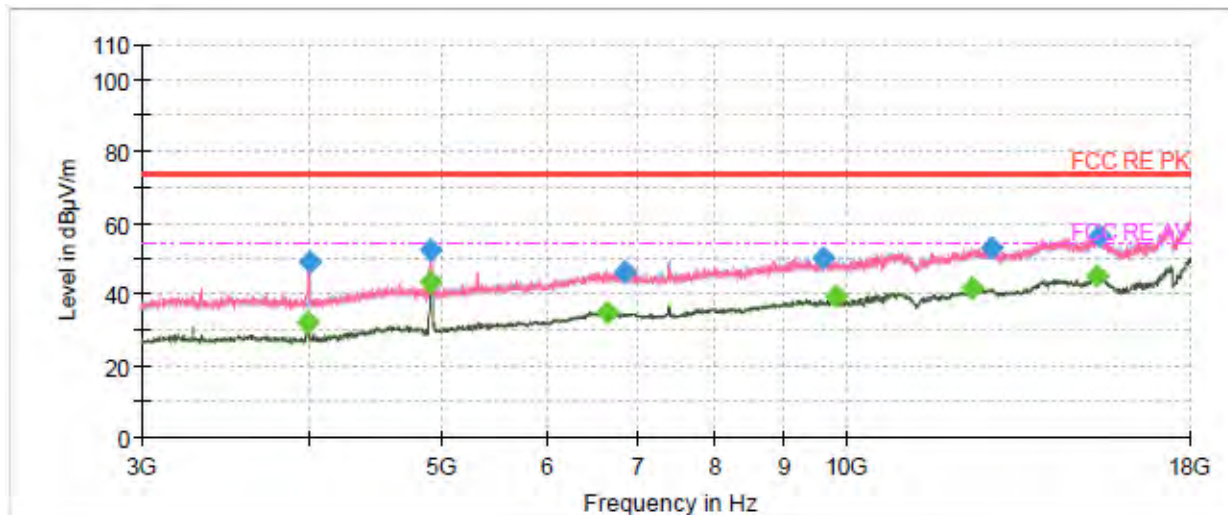


Note: The signal beyond the limit is carrier.

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)
1200.066667	---	32.43	54.00	21.57	200.0	H	127.0	-7.3
1200.200000	41.77	---	74.00	32.23	100.0	V	0.0	-7.3
1327.933333	44.34	---	74.00	29.66	100.0	H	123.0	-6.6
1327.933333	---	36.30	54.00	17.70	100.0	H	123.0	-6.6
1693.666667	43.83	---	74.00	30.17	100.0	H	40.0	-4.5
1726.400000	---	34.23	54.00	19.77	100.0	V	49.0	-4.3
1997.466667	---	36.31	54.00	17.69	100.0	V	42.0	-2.7
1998.800000	45.90	---	74.00	28.10	100.0	V	1.0	-2.7
2483.866667	64.24	---	74.00	9.76	200.0	H	8.0	-0.7
2484.200000	---	51.83	54.00	2.17	200.0	H	0.0	-0.7
2656.866667	---	40.43	54.00	13.57	100.0	V	214.0	0.4
2665.733333	51.76	---	74.00	22.24	200.0	V	166.0	0.4

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

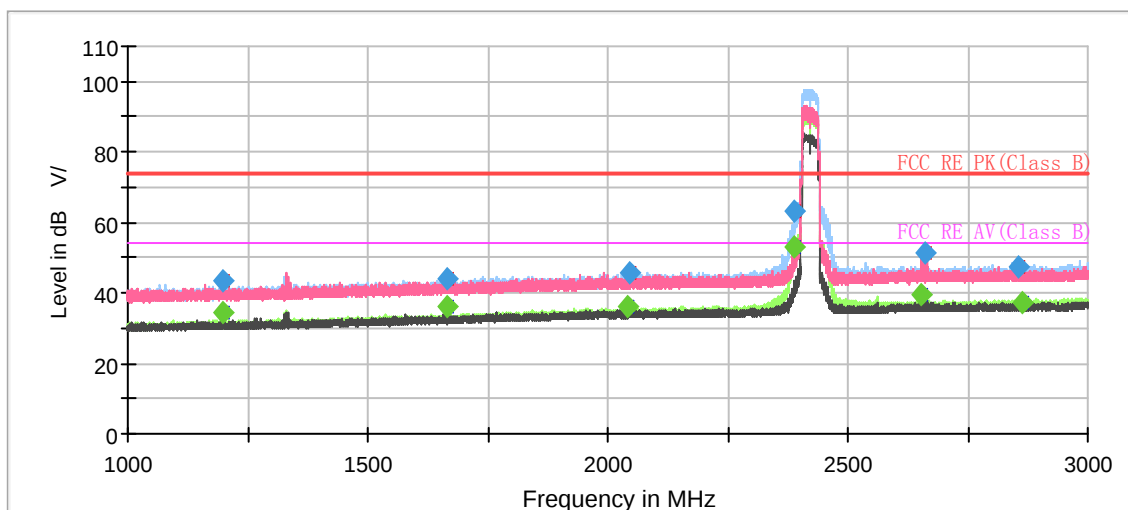


Radiates Emission from 3GHz to 18GHz

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)
3982.500000	---	31.88	54.00	22.12	100.0	V	1.0	-13.4
3993.750000	49.25	---	74.00	24.75	100.0	H	227.0	-13.3
4923.750000	52.50	---	74.00	21.50	200.0	V	24.0	-10.6
4923.750000	---	43.54	54.00	10.46	200.0	V	24.0	-10.6
6660.000000	---	35.15	54.00	18.85	100.0	V	306.0	-3.5
6862.500000	46.35	---	74.00	27.65	200.0	V	69.0	-3.8
9624.375000	50.26	---	74.00	23.74	200.0	H	273.0	-2.3
9849.375000	---	39.26	54.00	14.74	200.0	V	97.0	-1.8
12405.000000	---	41.66	54.00	12.34	200.0	V	12.0	1.6
12823.125000	53.25	---	74.00	20.75	200.0	H	292.0	2.1
15346.875000	---	44.87	54.00	9.13	200.0	H	283.0	5.8
15421.875000	56.55	---	74.00	17.45	100.0	H	84.0	5.5

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

802.11n (HT40) CH3

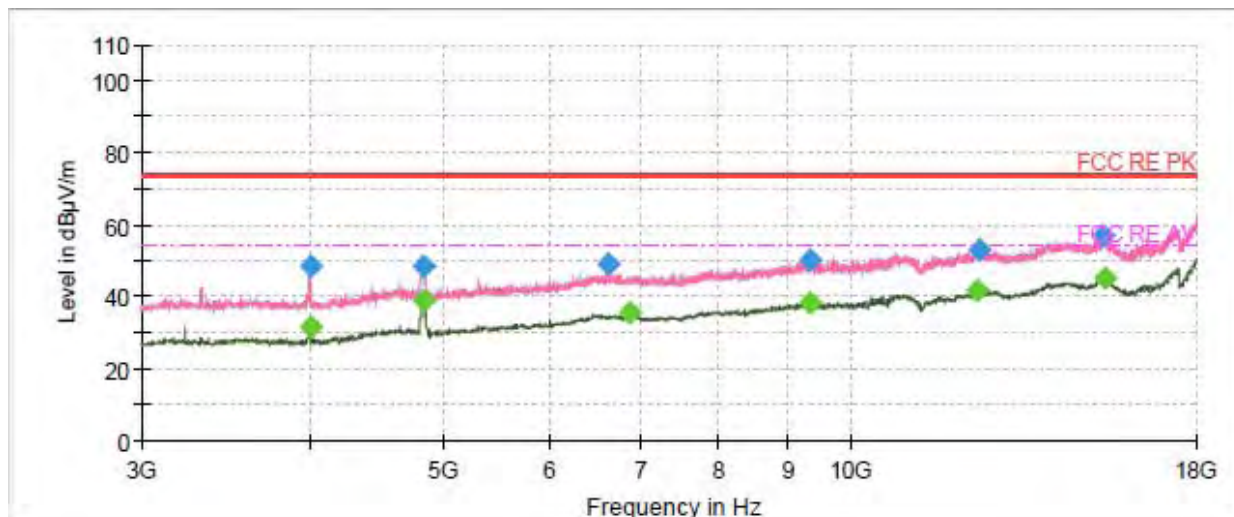


Note: The signal beyond the limit is carrier.

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)
1197.400000	43.52	---	74.00	30.48	200.0	V	7.0	-7.3
1198.400000	---	34.55	54.00	19.45	200.0	V	184.0	-7.3
1665.266667	44.15	---	74.00	29.85	100.0	V	208.0	-4.7
1665.266667	---	36.22	54.00	17.78	100.0	V	208.0	-4.7
2042.866667	---	35.84	54.00	18.16	100.0	H	121.0	-2.5
2044.333333	45.92	---	74.00	28.08	100.0	H	162.0	-2.5
2387.866667	63.24	---	74.00	10.76	100.0	H	0.0	-1.2
2388.266667	---	53.13	54.00	0.87	200.0	H	139.0	-1.2
2654.666667	---	39.24	54.00	14.76	100.0	V	175.0	0.4
2660.933333	51.33	---	74.00	22.67	200.0	V	176.0	0.4
2855.866667	47.17	---	74.00	26.83	200.0	H	313.0	1.1
2864.266667	---	37.11	54.00	16.89	200.0	H	187.0	1.1

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

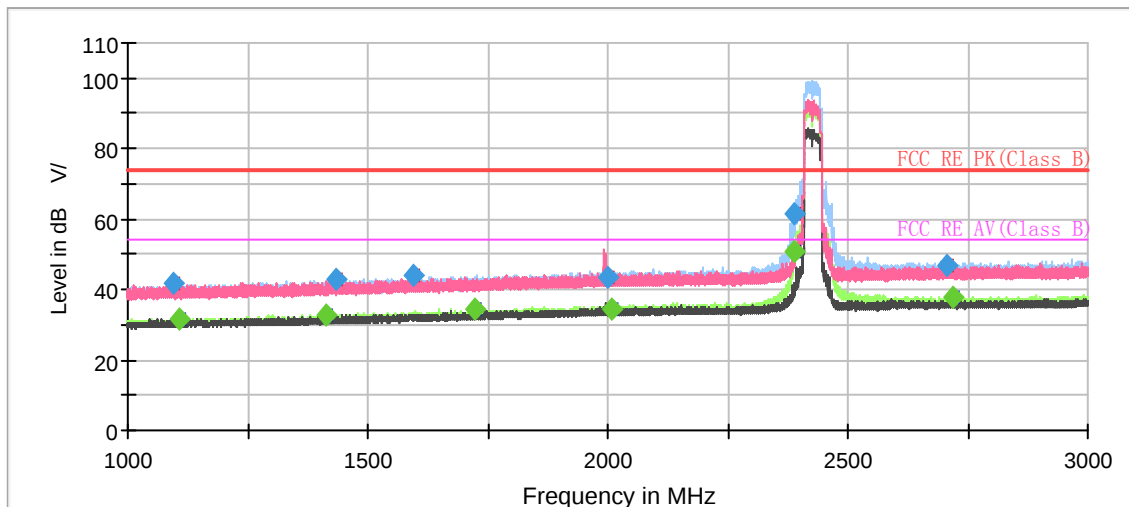


Radiates Emission from 3GHz to 18GHz

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)
3997.500000	---	31.66	54.00	22.34	100.0	V	63.0	-13.3
3999.375000	48.61	---	74.00	25.39	100.0	V	63.0	-13.3
4837.500000	---	39.12	54.00	14.88	200.0	V	5.0	-10.7
4848.750000	48.39	---	74.00	25.61	200.0	V	345.0	-10.7
6635.625000	48.93	---	74.00	25.07	200.0	V	246.0	-3.5
6886.875000	---	35.28	54.00	18.72	200.0	V	314.0	-3.8
9346.875000	---	38.55	54.00	15.45	200.0	H	167.0	-2.7
9348.750000	50.40	---	74.00	23.60	100.0	H	9.0	-2.7
12395.625000	---	41.82	54.00	12.18	100.0	V	275.0	1.5
12435.000000	53.08	---	74.00	20.92	100.0	V	358.0	1.7
15350.625000	56.73	---	74.00	17.27	100.0	H	82.0	5.8
15412.500000	---	45.08	54.00	8.92	100.0	V	275.0	5.6

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

802.11n (HT40) CH4

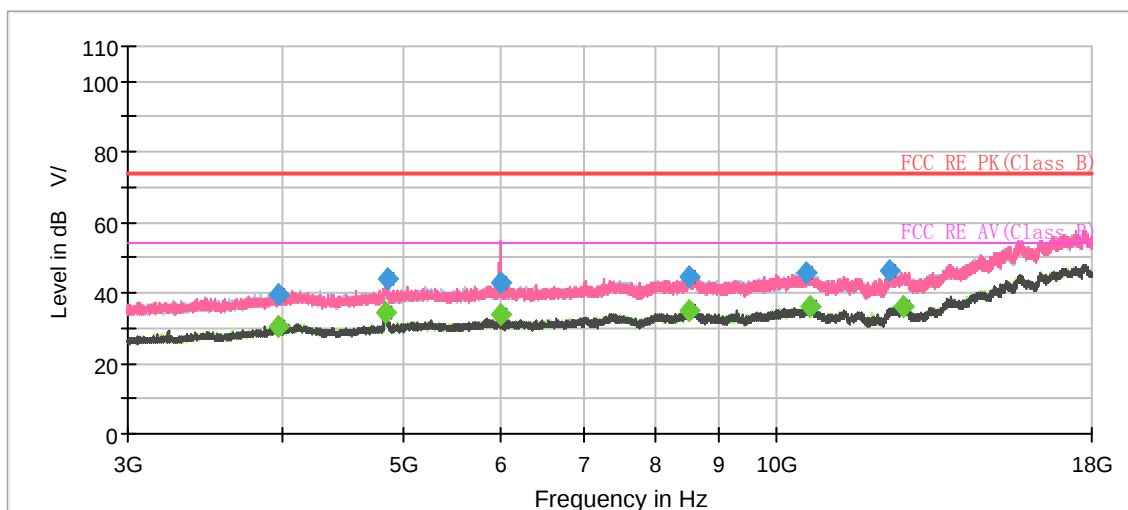


Note: The signal beyond the limit is carrier.

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)
1093.733333	41.58	---	74.00	32.42	100.0	H	36.0	-7.8
1109.333333	---	31.86	54.00	22.14	200.0	H	17.0	-7.7
1412.000000	---	32.99	54.00	21.01	200.0	H	104.0	-6.1
1433.866667	42.95	---	74.00	31.05	100.0	H	311.0	-6.0
1595.800000	43.82	---	74.00	30.18	200.0	H	119.0	-5.1
1724.133333	---	34.32	54.00	19.69	200.0	H	202.0	-4.3
1999.866667	43.62	---	74.00	30.38	100.0	H	342.0	-2.7
2009.533333	---	34.15	54.00	19.85	100.0	H	133.0	-2.6
2388.266667	61.76	---	74.00	12.24	200.0	H	88.0	-1.2
2388.333333	---	51.01	54.00	2.99	100.0	H	182.0	-1.2
2708.133333	46.93	---	74.00	27.07	200.0	H	33.0	0.6
2720.066667	---	37.61	54.00	16.39	200.0	H	119.0	0.6

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

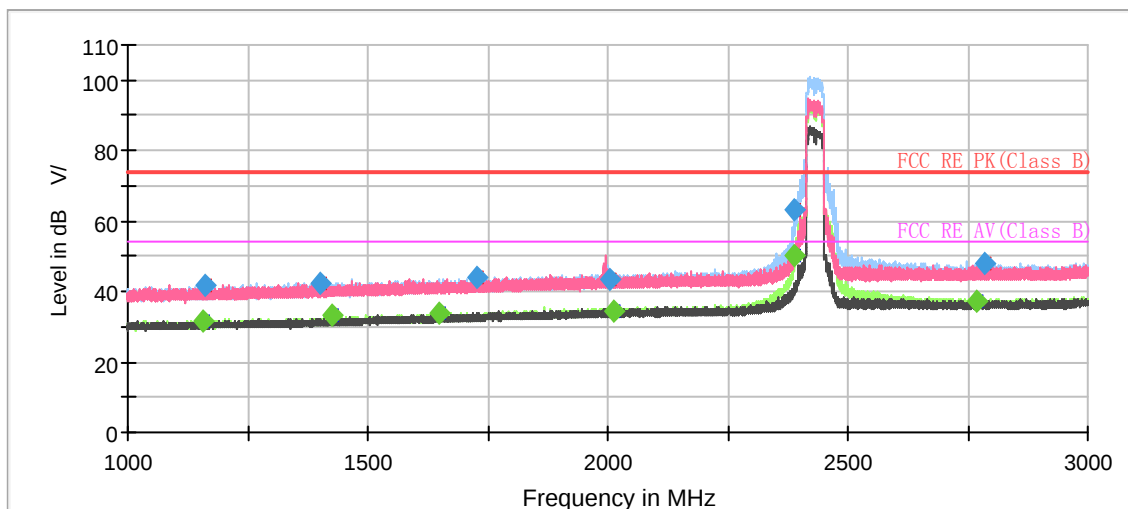


Radiates Emission from 3GHz to 18GHz

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)
3975.500000	---	30.53	54.00	23.47	200.0	V	229.0	-4.0
3977.000000	39.75	---	74.00	34.25	200.0	H	253.0	-4.0
4852.500000	---	34.67	54.00	19.33	200.0	V	159.0	-2.2
4857.500000	43.76	---	74.00	30.24	200.0	V	159.0	-2.2
5999.500000	42.62	---	74.00	31.38	100.0	H	98.0	-0.3
5999.500000	---	33.83	54.00	20.17	100.0	V	272.0	-0.3
8501.000000	44.66	---	74.00	29.34	100.0	V	25.0	3.8
8519.000000	---	35.16	54.00	18.84	100.0	V	93.0	3.9
10580.000000	45.61	---	74.00	28.39	100.0	H	336.0	5.5
10664.000000	---	36.35	54.00	17.65	100.0	V	59.0	5.4
12342.500000	46.22	---	74.00	27.78	100.0	V	272.0	6.7
12671.000000	---	35.84	54.00	18.16	200.0	H	113.0	7.4

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

802.11n (HT40) CH5

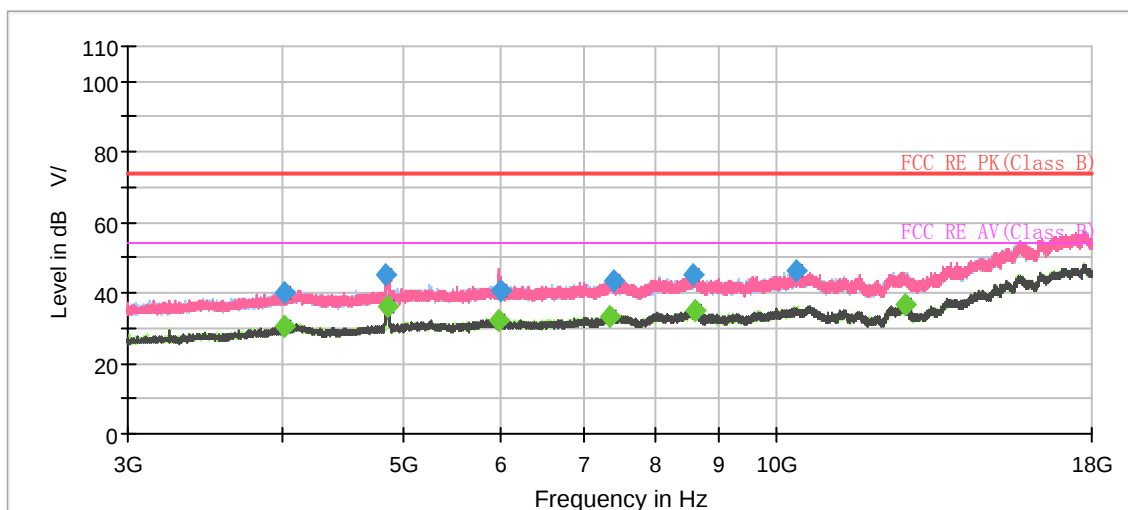


Note: The signal beyond the limit is carrier.

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)
1156.400000	---	31.83	54.00	22.17	100.0	H	0.0	-7.5
1161.666667	41.59	---	74.00	32.41	200.0	H	27.0	-7.5
1400.333333	42.53	---	74.00	31.47	200.0	H	16.0	-6.2
1425.866667	---	33.28	54.00	20.72	200.0	H	104.0	-6.0
1646.733333	---	34.11	54.00	19.89	100.0	V	21.0	-4.8
1728.066667	44.26	---	74.00	29.74	200.0	V	218.0	-4.3
2005.866667	43.62	---	74.00	30.38	200.0	H	312.0	-2.6
2014.333333	---	34.33	54.00	19.67	200.0	H	334.0	-2.6
2389.133333	63.31	---	74.00	10.69	200.0	H	89.0	-1.2
2389.933333	---	50.32	54.00	3.68	200.0	H	89.0	-1.2
2768.133333	---	37.16	54.00	16.84	200.0	H	136.0	0.8
2785.800000	48.01	---	74.00	25.99	100.0	H	268.0	0.9

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

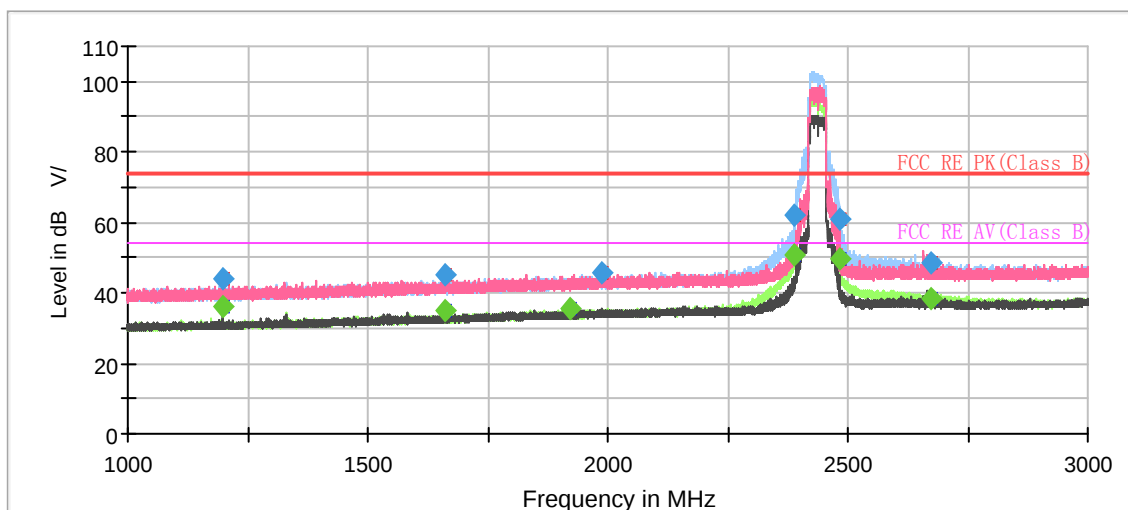


Radiates Emission from 3GHz to 18GHz

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)
4009.000000	---	30.41	54.00	23.59	200.0	V	299.0	-3.8
4018.500000	39.87	---	74.00	34.13	100.0	V	18.0	-3.7
4853.500000	45.27	---	74.00	28.73	200.0	V	157.0	-2.2
4862.000000	---	36.28	54.00	17.72	200.0	V	157.0	-2.2
5974.500000	---	32.21	54.00	21.79	200.0	H	128.0	-0.3
5999.500000	40.55	---	74.00	33.45	100.0	H	67.0	-0.3
7344.000000	---	33.35	54.00	20.65	200.0	H	49.0	1.4
7413.000000	43.57	---	74.00	30.43	100.0	V	0.0	1.5
8593.500000	44.95	---	74.00	29.05	200.0	V	122.0	3.9
8595.000000	---	34.87	54.00	19.13	200.0	V	0.0	3.9
10411.000000	46.22	---	74.00	27.78	200.0	H	163.0	5.9
12715.500000	---	36.41	54.00	17.59	200.0	V	316.0	7.5

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

802.11n (HT40) CH6

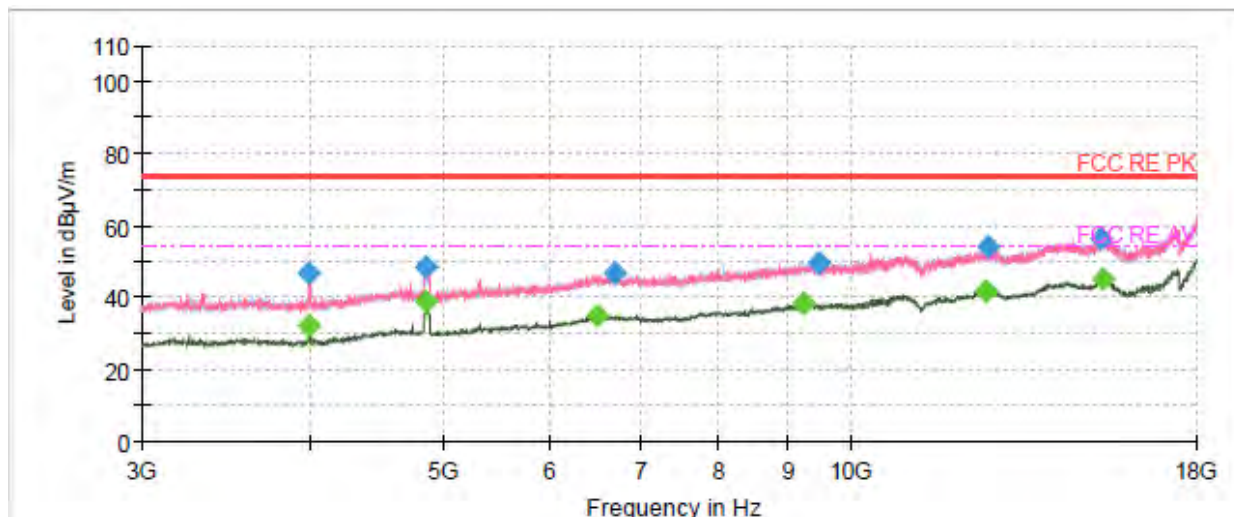


Note: The signal beyond the limit is carrier.

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)
1199.466667	---	35.91	54.00	18.09	200.0	V	357.0	-7.3
1199.733333	44.24	---	74.00	29.76	200.0	V	357.0	-7.3
1659.866667	45.04	---	74.00	28.96	100.0	V	217.0	-4.7
1662.800000	---	34.76	54.00	19.24	100.0	V	217.0	-4.7
1922.600000	---	35.43	54.00	18.57	100.0	H	194.0	-3.2
1988.800000	45.93	---	74.00	28.07	100.0	H	211.0	-2.7
2388.733333	61.78	---	74.00	12.22	100.0	H	356.0	-1.2
2389.066667	---	50.51	54.00	3.49	100.0	H	0.0	-1.2
2483.800000	---	49.63	54.00	4.37	100.0	H	0.0	-0.7
2485.266667	60.67	---	74.00	13.33	100.0	H	0.0	-0.7
2673.266667	48.47	---	74.00	25.53	200.0	H	4.0	0.4
2674.800000	---	38.33	54.00	15.67	100.0	H	56.0	0.5

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

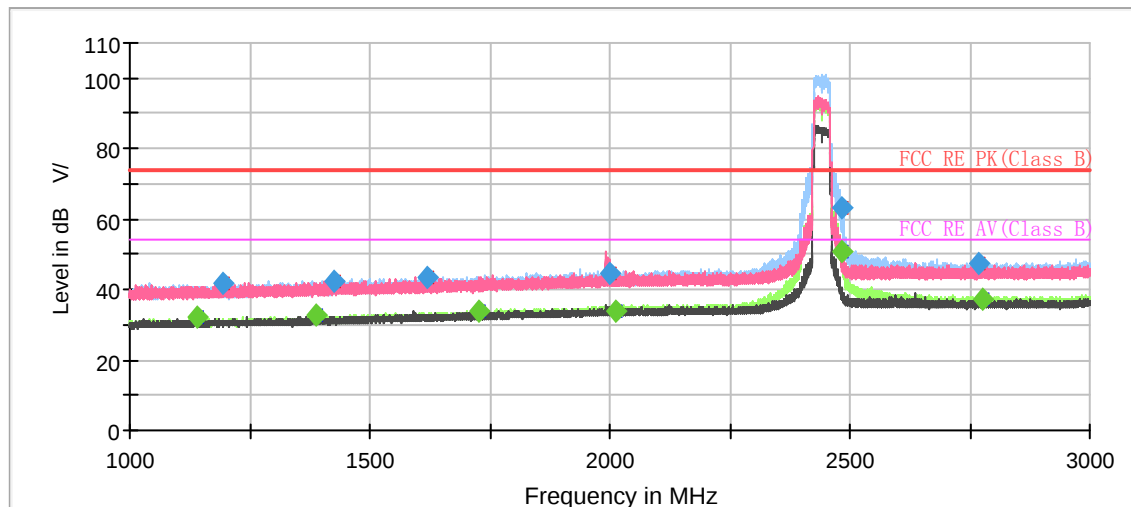


Radiates Emission from 3GHz to 18GHz

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)
3986.250000	47.10	---	74.00	26.90	200.0	V	10.0	-13.4
3986.250000	---	32.41	54.00	21.59	100.0	V	72.0	-13.4
4867.500000	48.57	---	74.00	25.43	200.0	V	346.0	-10.7
4869.375000	---	38.93	54.00	15.07	200.0	V	354.0	-10.7
6508.125000	---	35.09	54.00	18.91	200.0	V	14.0	-3.7
6695.625000	46.87	---	74.00	27.13	100.0	V	289.0	-3.5
9238.125000	---	38.51	54.00	15.49	100.0	H	15.0	-2.9
9478.125000	49.87	---	74.00	24.13	200.0	V	276.0	-2.6
12583.125000	---	41.67	54.00	12.33	200.0	V	180.0	2.2
12622.500000	54.05	---	74.00	19.95	200.0	H	83.0	2.2
15328.125000	56.33	---	74.00	17.67	100.0	H	154.0	5.7
15375.000000	---	45.09	54.00	8.91	200.0	V	0.0	5.7

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

802.11n (HT40) CH7

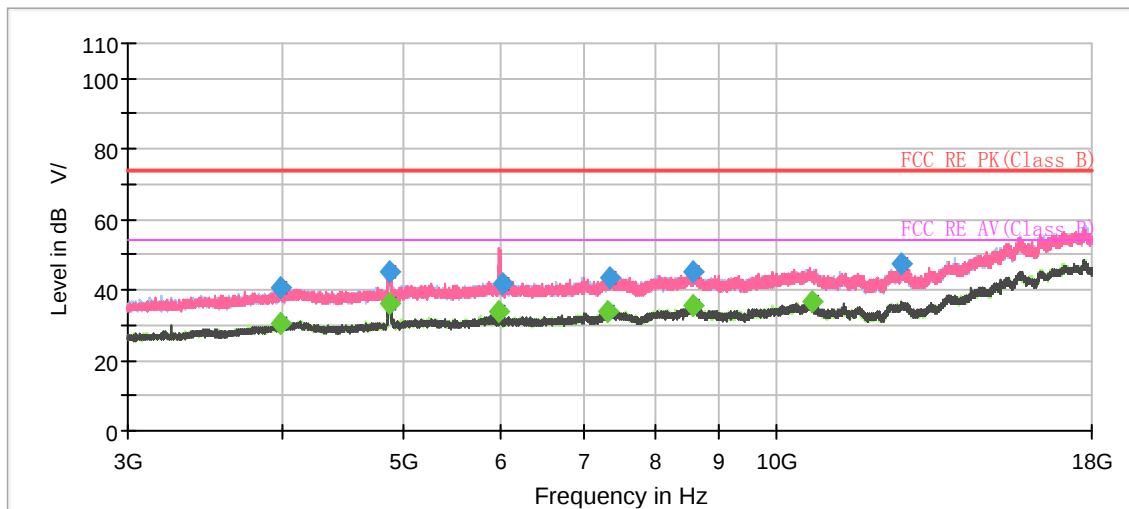


Note: The signal beyond the limit is carrier.

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)
1138.800000	---	32.09	54.00	21.91	100.0	H	316.0	-7.6
1192.200000	41.85	---	74.00	32.15	100.0	H	245.0	-7.3
1388.866667	---	32.62	54.00	21.38	200.0	H	330.0	-6.2
1426.200000	42.49	---	74.00	31.51	200.0	H	10.0	-6.0
1620.066667	43.58	---	74.00	30.42	100.0	H	22.0	-4.9
1726.333333	---	33.83	54.00	20.17	200.0	H	296.0	-4.3
2000.533333	44.77	---	74.00	29.23	100.0	H	308.0	-2.6
2013.866667	---	33.87	54.00	20.13	200.0	H	0.0	-2.6
2484.066667	---	51.02	54.00	2.98	200.0	H	88.0	-0.7
2484.466667	63.13	---	74.00	10.87	200.0	H	88.0	-0.7
2769.133333	47.48	---	74.00	26.52	200.0	H	342.0	0.8
2778.133333	---	37.21	54.00	16.79	100.0	H	268.0	0.9

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

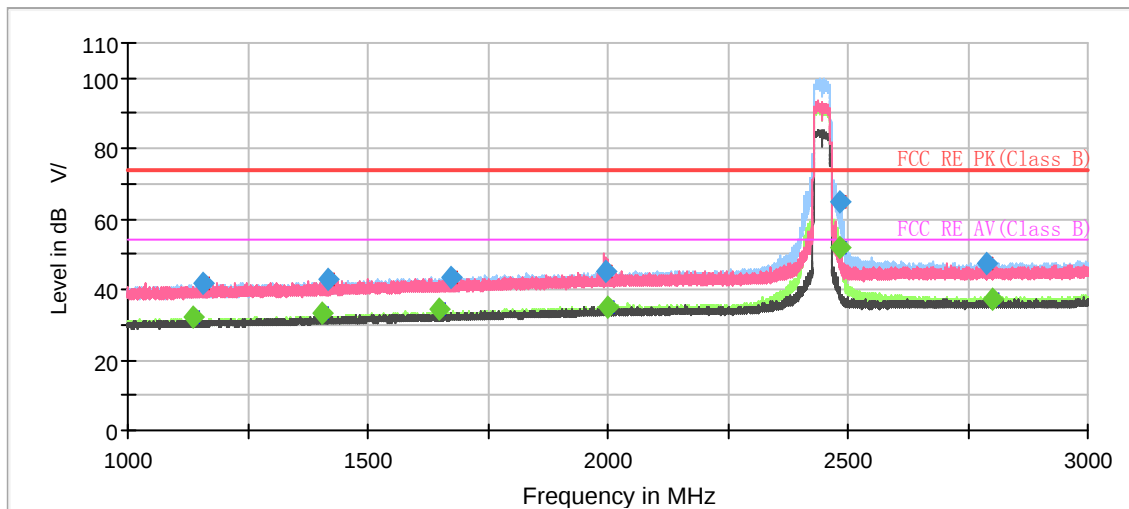


Radiates Emission from 3GHz to 18GHz

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)
3980.500000	40.51	---	74.00	33.49	200.0	V	188.0	-4.0
3991.500000	---	30.39	54.00	23.61	200.0	V	258.0	-3.9
4879.500000	44.98	---	74.00	29.02	200.0	V	160.0	-2.1
4883.000000	---	36.36	54.00	17.64	200.0	V	151.0	-2.0
5974.500000	---	34.07	54.00	19.93	100.0	V	121.0	-0.3
6021.500000	41.82	---	74.00	32.18	100.0	H	351.0	-0.3
7326.000000	---	33.75	54.00	20.25	100.0	H	3.0	1.4
7336.500000	43.55	---	74.00	30.45	100.0	V	21.0	1.4
8581.500000	44.95	---	74.00	29.05	100.0	V	121.0	4.0
8593.500000	---	35.28	54.00	18.72	200.0	H	95.0	3.9
10702.000000	---	36.91	54.00	17.09	200.0	H	318.0	5.3
12640.500000	47.31	---	74.00	26.69	100.0	V	190.0	7.4

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

802.11n (HT40) CH8

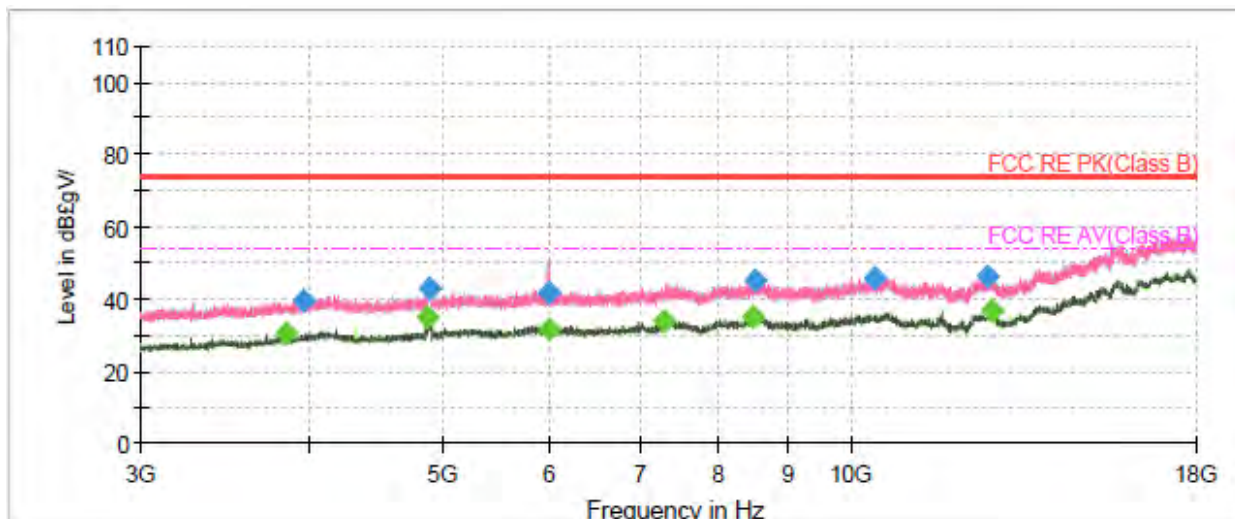


Note: The signal beyond the limit is carrier.

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)
1134.866667	---	32.14	54.00	21.86	200.0	V	204.0	-7.6
1158.866667	41.82	---	74.00	32.18	200.0	H	39.0	-7.5
1404.933333	---	33.44	54.00	20.56	100.0	H	297.0	-6.1
1417.600000	42.62	---	74.00	31.38	200.0	V	276.0	-6.1
1650.600000	---	34.27	54.00	19.73	200.0	H	15.0	-4.8
1675.533333	43.65	---	74.00	30.35	100.0	H	289.0	-4.6
1996.400000	45.26	---	74.00	28.74	100.0	H	344.0	-2.7
1998.866667	---	34.90	54.00	19.10	100.0	H	281.0	-2.7
2484.666667	---	51.74	54.00	2.26	100.0	H	184.0	-0.7
2484.866667	64.74	---	74.00	9.26	100.0	H	176.0	-0.7
2790.800000	47.11	---	74.00	26.89	100.0	H	313.0	0.9
2801.400000	---	37.20	54.00	16.80	200.0	H	62.0	0.9

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

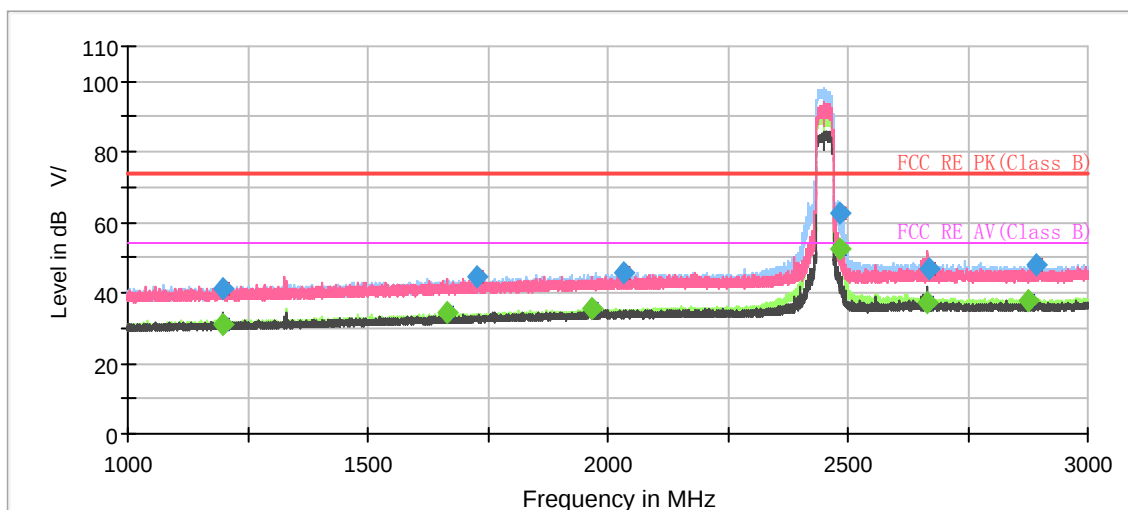


Radiates Emission from 3GHz to 18GHz

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)
3843.000000	---	30.41	54.00	23.59	100.0	V	166.0	-4.8
3961.000000	39.72	---	74.00	34.28	200.0	H	246.0	-4.1
4885.000000	---	35.15	54.00	18.85	200.0	V	159.0	-2.0
4900.000000	42.78	---	74.00	31.22	100.0	V	202.0	-1.9
5991.000000	---	31.81	54.00	22.19	100.0	H	339.0	-0.3
6006.500000	41.61	---	74.00	32.39	100.0	V	318.0	-0.3
7284.500000	---	33.61	54.00	20.39	100.0	V	4.0	1.3
8498.000000	---	34.96	54.00	19.04	100.0	H	200.0	3.8
8509.000000	45.14	---	74.00	28.86	100.0	V	84.0	3.9
10433.000000	45.57	---	74.00	28.43	100.0	V	255.0	5.9
12649.000000	46.11	---	74.00	27.89	200.0	H	0.0	7.4
12739.000000	---	36.41	54.00	17.59	200.0	V	186.0	7.5

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

802.11n (HT40) CH9

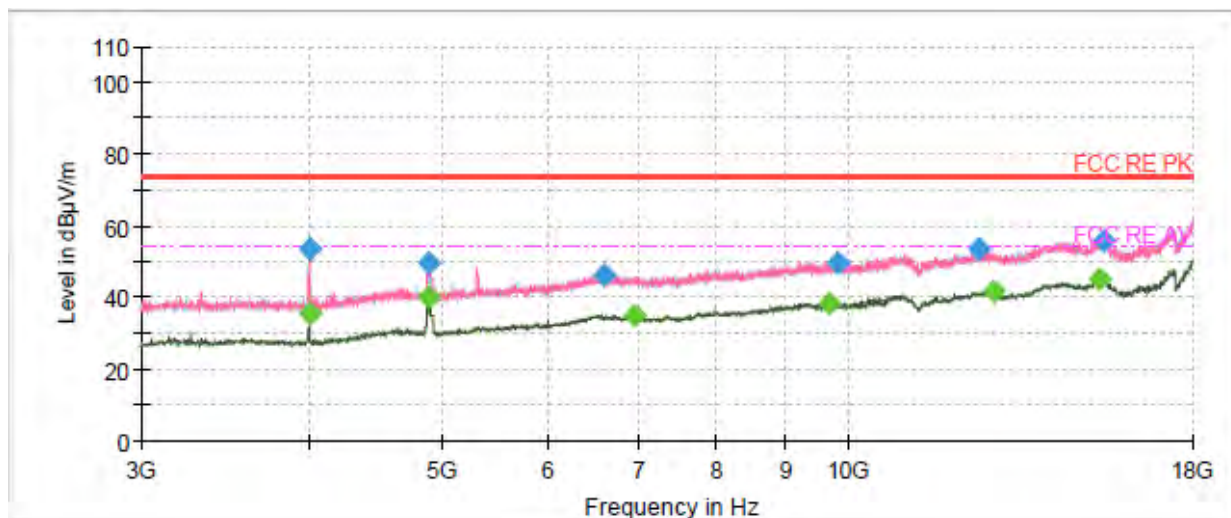


Note: The signal beyond the limit is carrier.

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)
1197.600000	41.01	---	74.00	32.99	200.0	H	81.0	-7.3
1199.933333	---	31.15	54.00	22.85	200.0	H	57.0	-7.3
1664.533333	---	34.37	54.00	19.63	200.0	V	24.0	-4.7
1725.333333	44.78	---	74.00	29.22	200.0	V	151.0	-4.3
1968.266667	---	35.65	54.00	18.35	100.0	H	294.0	-2.9
2033.600000	45.85	---	74.00	28.15	100.0	H	357.0	-2.5
2484.533333	62.72	---	74.00	11.28	200.0	H	290.0	-0.7
2484.800000	---	52.66	54.00	1.34	100.0	H	0.0	-0.7
2664.666667	---	37.12	54.00	16.88	100.0	H	244.0	0.4
2667.600000	47.09	---	74.00	26.91	100.0	H	53.0	0.4
2877.933333	---	37.80	54.00	16.20	100.0	H	61.0	1.2
2892.000000	47.85	---	74.00	26.15	200.0	H	226.0	1.2

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

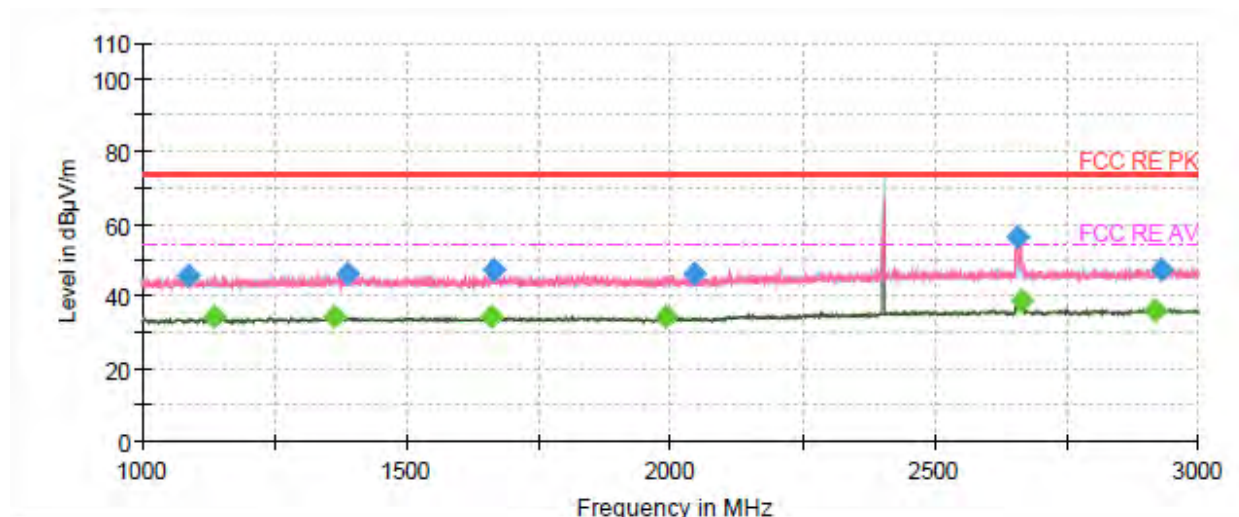


Radiates Emission from 3GHz to 18GHz

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)
3995.625000	53.48	---	74.00	20.52	100.0	V	66.0	-13.3
3995.625000	---	35.31	54.00	18.69	100.0	V	66.0	-13.3
4901.250000	---	39.98	54.00	14.02	200.0	V	12.0	-10.7
4903.125000	49.54	---	74.00	24.46	200.0	V	17.0	-10.7
6600.000000	46.53	---	74.00	27.47	200.0	H	262.0	-3.6
6965.625000	---	35.21	54.00	18.79	100.0	H	89.0	-3.8
9699.375000	---	38.43	54.00	15.57	100.0	V	304.0	-2.5
9826.875000	49.83	---	74.00	24.17	200.0	V	98.0	-1.8
12491.250000	53.80	---	74.00	20.20	100.0	H	0.0	1.9
12810.000000	---	41.68	54.00	12.32	200.0	V	144.0	2.1
15350.625000	---	45.03	54.00	8.97	100.0	V	172.0	5.8
15472.500000	55.99	---	74.00	18.01	100.0	V	257.0	5.3

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

Bluetooth LE-Channel 0

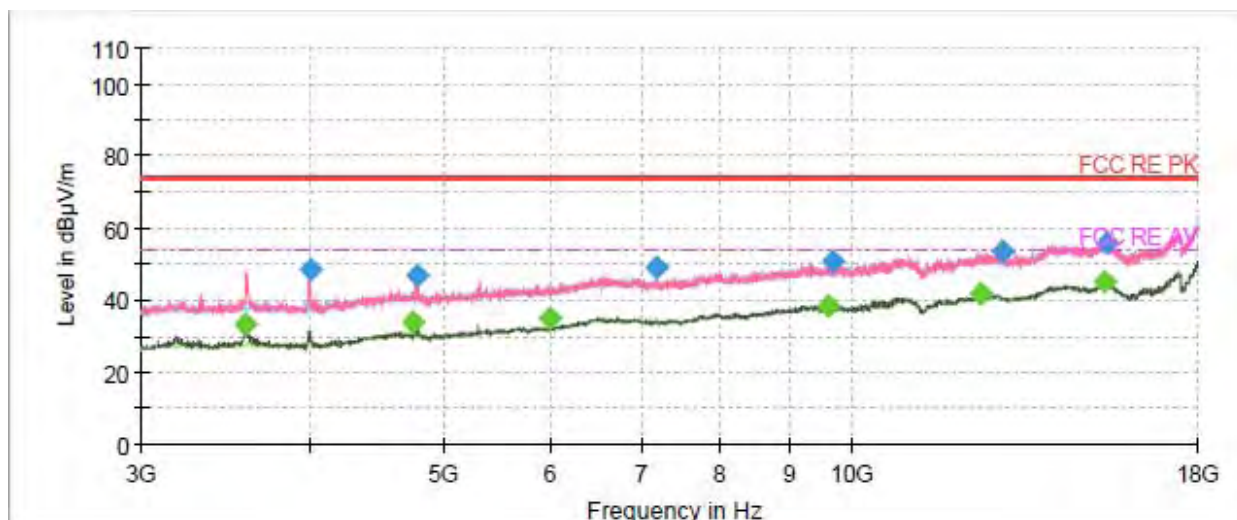


Note: The signal beyond the limit is carrier.

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)
1088.750000	45.94	---	74.00	28.06	200.0	V	0.0	-10.7
1136.000000	---	34.15	54.00	19.85	100.0	H	174.0	-10.5
1365.500000	---	34.35	54.00	19.65	100.0	V	73.0	-9.6
1387.500000	46.03	---	74.00	27.97	100.0	H	217.0	-9.6
1662.250000	---	34.50	54.00	19.50	200.0	V	34.0	-8.8
1666.500000	47.23	---	74.00	26.77	100.0	V	350.0	-8.8
1993.250000	---	34.43	54.00	19.58	200.0	H	194.0	-8.2
2047.000000	46.23	---	74.00	27.77	200.0	H	350.0	-8.0
2656.500000	56.30	---	74.00	17.70	100.0	V	295.0	-6.1
2663.750000	---	39.18	54.00	14.82	100.0	V	329.0	-6.0
2915.500000	---	36.26	54.00	17.74	200.0	H	311.0	-6.1
2928.000000	47.16	---	74.00	26.84	200.0	V	0.0	-6.0

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

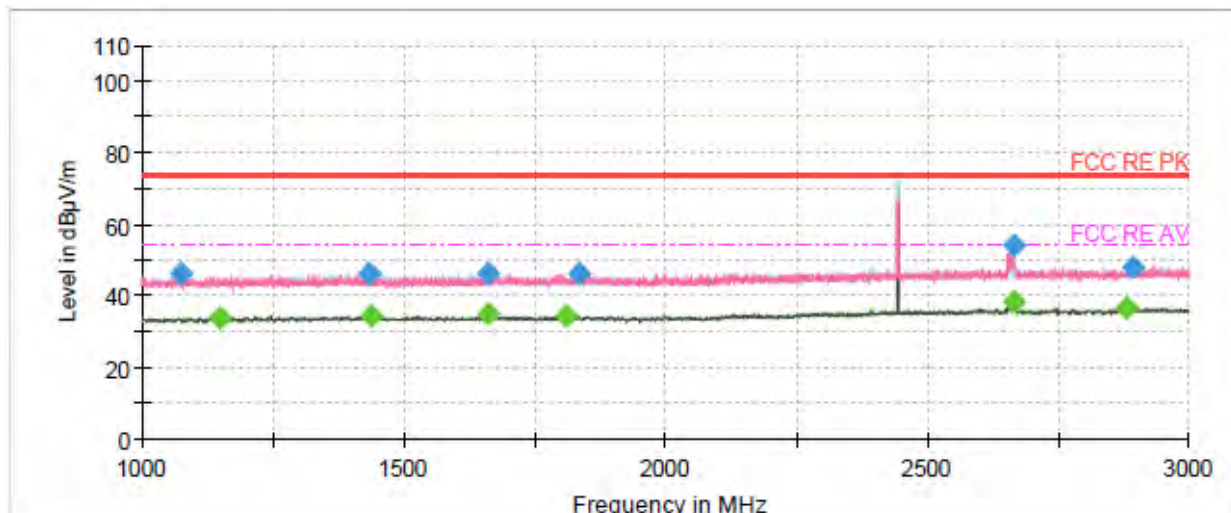


Radiates Emission from 3GHz to 18GHz

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)
3585.000000	---	33.14	54.00	20.86	200.0	V	288.0	-14.4
3999.375000	48.31	---	74.00	25.69	100.0	V	202.0	-13.3
4762.500000	---	33.99	54.00	20.01	200.0	V	269.0	-10.6
4798.125000	47.05	---	74.00	26.95	100.0	V	153.0	-10.6
5996.250000	---	35.08	54.00	18.92	200.0	V	259.0	-6.9
7185.000000	49.24	---	74.00	24.76	100.0	V	212.0	-4.4
9611.250000	---	38.54	54.00	15.46	100.0	V	289.0	-2.3
9676.875000	50.52	---	74.00	23.48	100.0	H	236.0	-2.4
12436.875000	---	41.65	54.00	12.35	200.0	V	0.0	1.7
12909.375000	53.44	---	74.00	20.56	200.0	V	2.0	1.9
15373.125000	---	45.09	54.00	8.91	100.0	H	27.0	5.7
15429.375000	55.98	---	74.00	18.02	100.0	V	358.0	5.5

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

Bluetooth LE-Channel 19

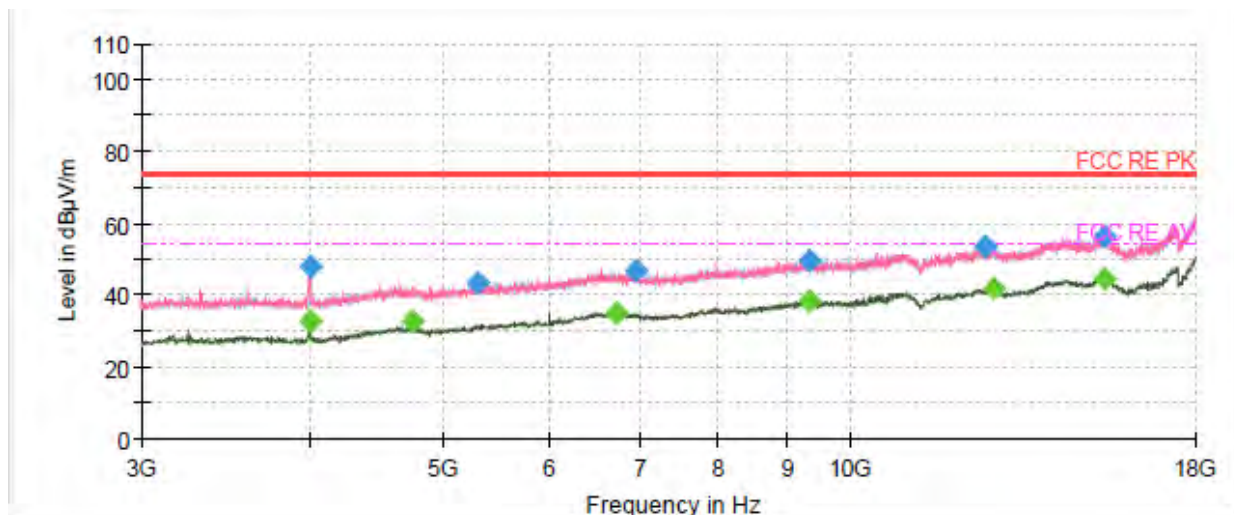


Note: The signal beyond the limit is carrier.

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)
1073.500000	46.32	---	74.00	27.68	100.0	H	29.0	-10.8
1149.750000	---	34.02	54.00	19.98	100.0	V	245.0	-10.4
1432.250000	46.17	---	74.00	27.83	100.0	H	22.0	-9.3
1437.500000	---	34.51	54.00	19.49	200.0	V	12.0	-9.3
1661.750000	---	34.94	54.00	19.06	200.0	H	297.0	-8.8
1661.750000	46.21	---	74.00	27.79	200.0	H	297.0	-8.8
1811.500000	---	34.52	54.00	19.48	200.0	H	355.0	-8.5
1835.500000	46.43	---	74.00	27.57	200.0	H	354.0	-8.5
2663.500000	---	38.53	54.00	15.47	100.0	V	162.0	-6.0
2663.500000	54.11	---	74.00	19.89	100.0	V	162.0	-6.0
2881.750000	---	36.44	54.00	17.56	100.0	V	342.0	-6.0
2892.250000	48.15	---	74.00	25.85	200.0	V	228.0	-6.0

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

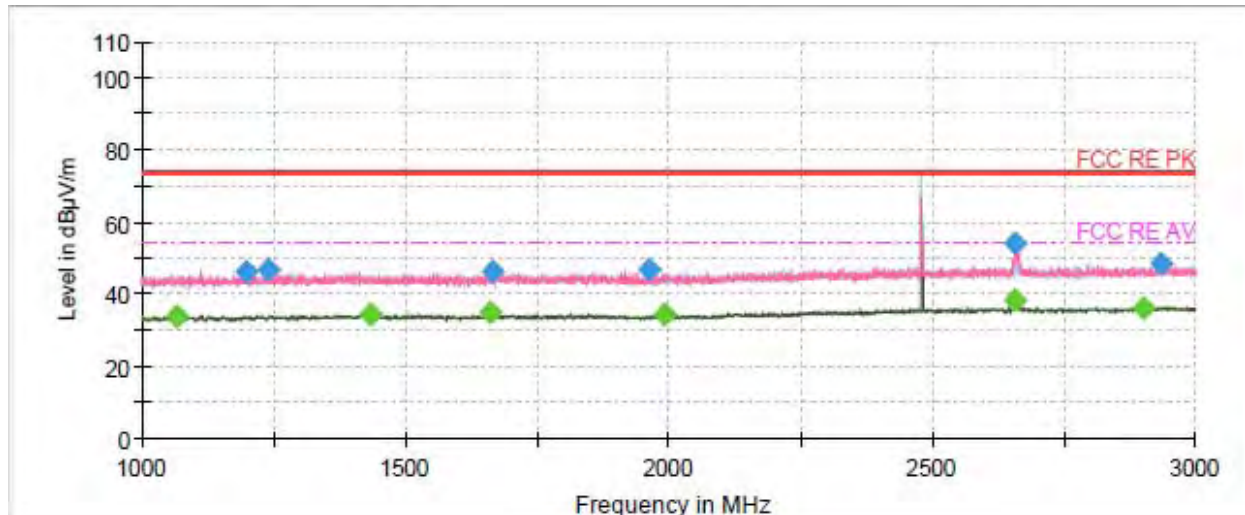


Radiates Emission from 3GHz to 18GHz

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)
3995.625000	47.95	---	74.00	26.05	100.0	V	62.0	-13.3
3995.625000	---	32.64	54.00	21.36	100.0	V	62.0	-13.3
4762.500000	---	32.75	54.00	21.25	200.0	V	289.0	-10.6
5310.000000	43.59	---	74.00	30.41	200.0	H	229.0	-9.0
6733.125000	---	35.09	54.00	18.91	100.0	H	326.0	-3.6
6963.750000	46.82	---	74.00	27.18	100.0	H	18.0	-3.8
9326.250000	49.71	---	74.00	24.29	100.0	V	320.0	-2.8
9346.875000	---	38.59	54.00	15.41	200.0	H	355.0	-2.7
12600.000000	53.65	---	74.00	20.35	200.0	V	38.0	2.2
12781.875000	---	41.69	54.00	12.31	200.0	V	11.0	2.2
15393.750000	---	44.79	54.00	9.21	100.0	H	1.0	5.6
15423.750000	56.29	---	74.00	17.71	100.0	V	356.0	5.5

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

Bluetooth LE-Channel 39

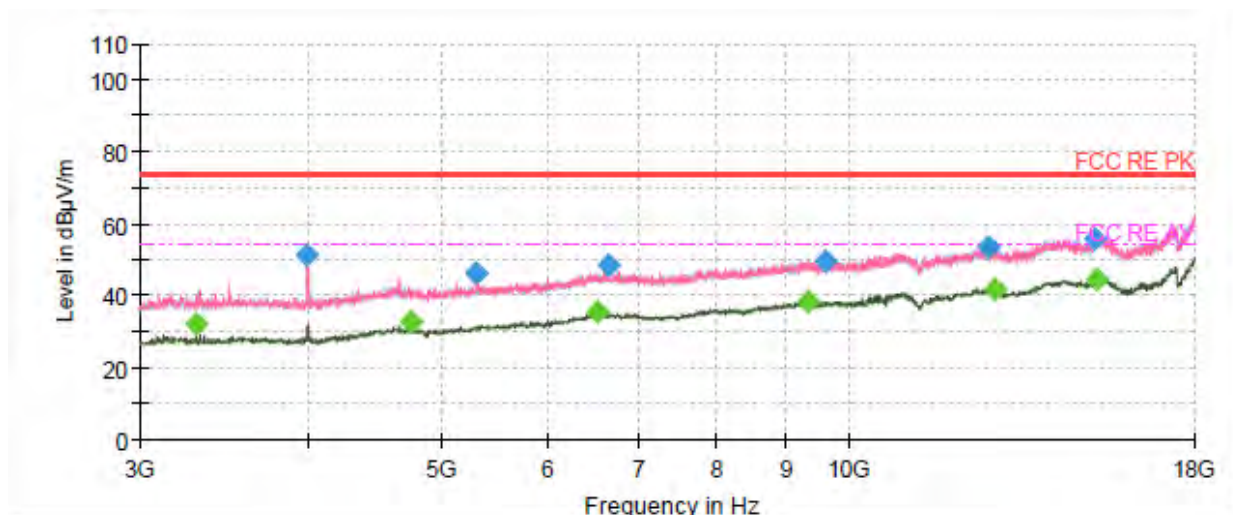


Note: The signal beyond the limit is carrier.

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)
1067.750000	---	33.93	54.00	20.07	200.0	V	1.0	-10.9
1197.500000	46.23	---	74.00	27.77	200.0	V	93.0	-10.3
1240.750000	46.72	---	74.00	27.28	200.0	V	85.0	-10.0
1434.000000	---	34.42	54.00	19.58	200.0	V	286.0	-9.3
1660.500000	---	35.10	54.00	18.90	200.0	H	301.0	-8.8
1664.000000	46.37	---	74.00	27.63	200.0	V	34.0	-8.8
1964.250000	46.93	---	74.00	27.07	100.0	V	333.0	-8.4
1992.500000	---	34.53	54.00	19.47	100.0	H	144.0	-8.2
2658.000000	---	38.61	54.00	15.39	200.0	V	4.0	-6.0
2658.000000	54.40	---	74.00	19.60	200.0	V	4.0	-6.0
2899.500000	---	36.22	54.00	17.78	200.0	V	68.0	-6.0
2932.250000	48.24	---	74.00	25.76	100.0	H	50.0	-6.0

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

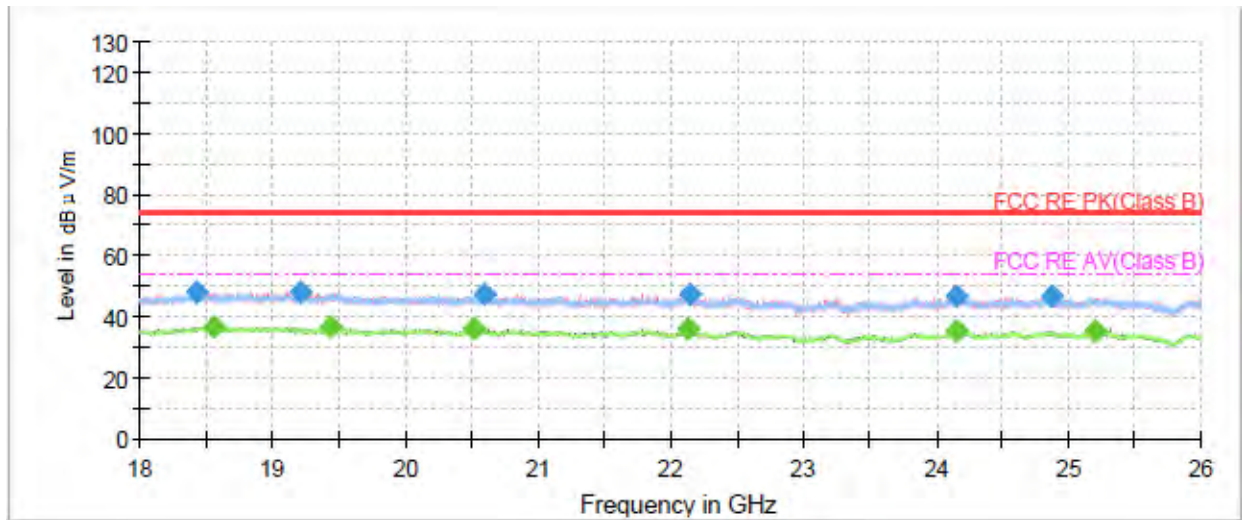


Radiates Emission from 3GHz to 18GHz

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)
3305.625000	---	32.06	54.00	21.94	100.0	V	294.0	-15.1
3982.500000	51.40	---	74.00	22.60	100.0	V	198.0	-13.4
4762.500000	---	32.53	54.00	21.47	200.0	V	268.0	-10.6
5315.625000	46.21	---	74.00	27.79	200.0	V	220.0	-8.9
6519.375000	---	35.57	54.00	18.43	200.0	V	7.0	-3.7
6663.750000	48.78	---	74.00	25.22	100.0	V	304.0	-3.5
9326.250000	---	38.50	54.00	15.50	200.0	H	243.0	-2.8
9616.875000	49.89	---	74.00	24.11	200.0	V	28.0	-2.3
12703.125000	53.45	---	74.00	20.55	200.0	V	298.0	2.3
12808.125000	---	41.74	54.00	12.26	100.0	V	246.0	2.1
15204.375000	56.05	---	74.00	17.95	200.0	V	7.0	5.3
15249.375000	---	44.71	54.00	9.29	100.0	H	14.0	5.5

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

During the test, the Radiates Emission from 18GHz to 26GHz was performed in all modes with all channels, 802.11n (HT40) CH3 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.



Radiates Emission from 18GHz to 26GHz

5.7. Conducted Emission

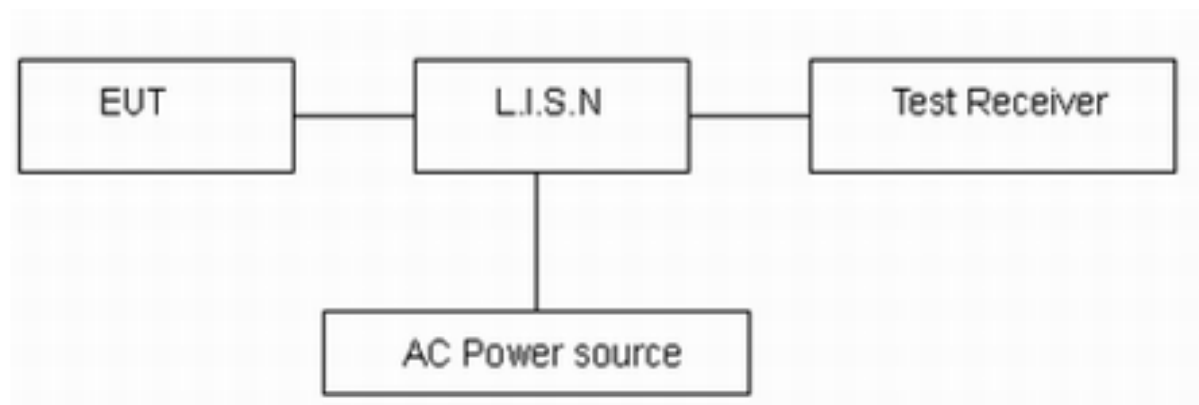
Ambient condition

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

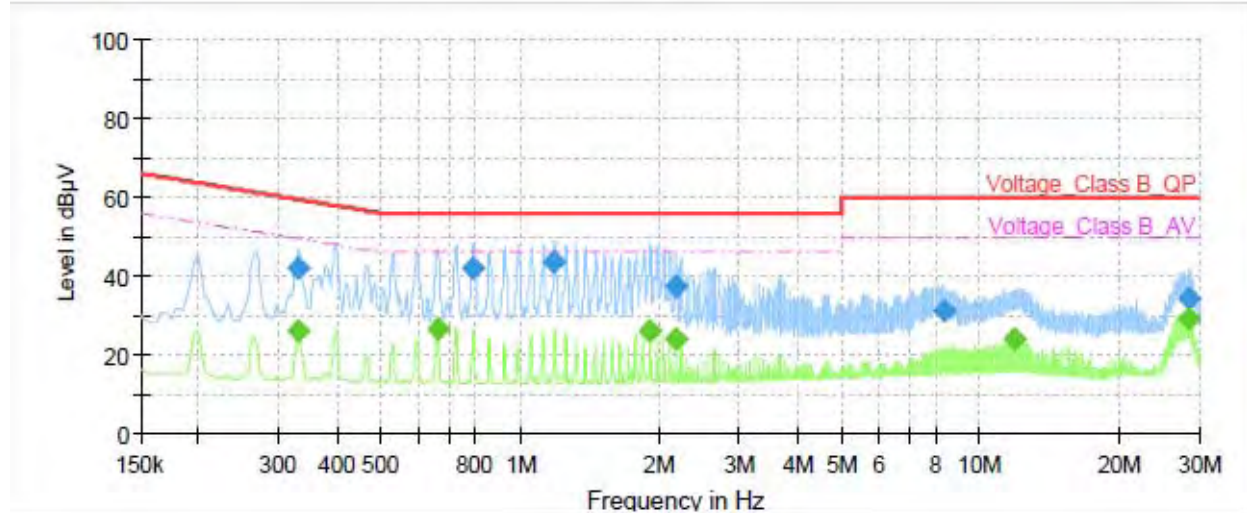
Frequency (MHz)	Conducted Limits(dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56 *	56 to 46*
0.5 - 5	56	46
5 - 30	60	50
*: Decreases with the logarithm of the frequency.		

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:

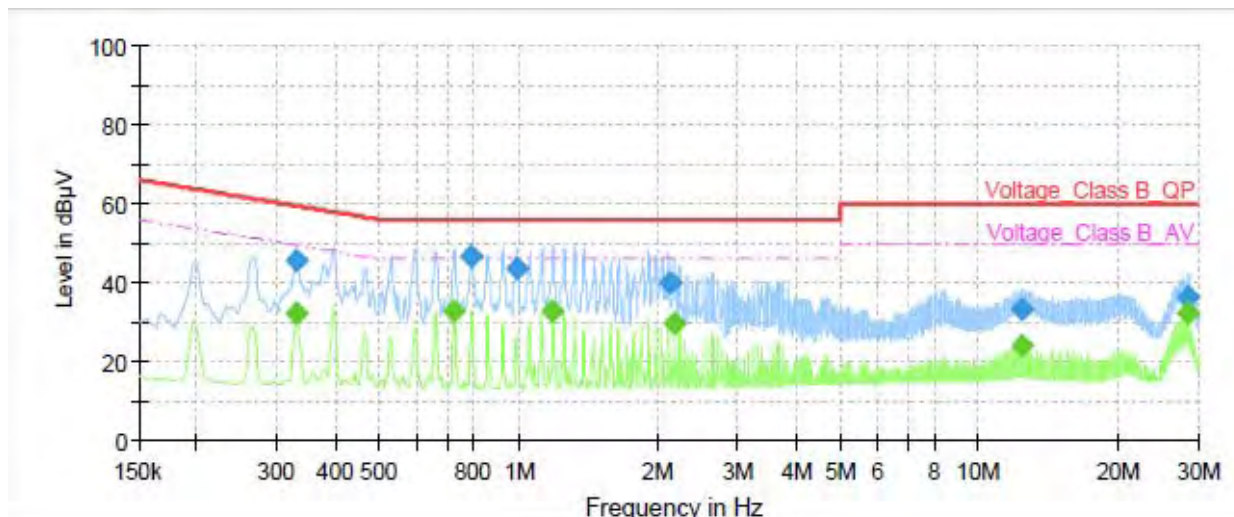
Following plots, Blue trace uses the peak detection and Green trace uses the average detection. During the test, the Conducted Emission was performed in all modes (WIFI 2.4G /Bluetooth LE) with all channels, 802.11n (HT40) CH3 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.



Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.33	---	26.30	49.45	23.15	70.0	9.000	L1	ON	21
0.33	41.82	---	59.45	17.63	70.0	9.000	L1	ON	21
0.66	---	26.46	46.00	19.54	70.0	9.000	L1	ON	20
0.79	42.10	---	56.00	13.90	70.0	9.000	L1	ON	20
1.19	43.38	---	56.00	12.62	70.0	9.000	L1	ON	20
1.91	---	26.12	46.00	19.88	70.0	9.000	L1	ON	20
2.18	---	24.19	46.00	21.81	70.0	9.000	L1	ON	20
2.18	37.47	---	56.00	18.53	70.0	9.000	L1	ON	20
8.38	31.39	---	60.00	28.61	70.0	9.000	L1	ON	20
11.87	---	24.07	50.00	25.93	70.0	9.000	L1	ON	20
28.48	34.58	---	60.00	25.42	70.0	9.000	L1	ON	20
28.52	---	29.41	50.00	20.59	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)
0.33	---	32.07	49.45	17.38	70.0	9.000	N	ON	21
0.33	45.65	---	59.45	13.80	70.0	9.000	N	ON	21
0.73	---	32.94	46.00	13.06	70.0	9.000	N	ON	20
0.79	46.44	---	56.00	9.56	70.0	9.000	N	ON	20
0.99	43.70	---	56.00	12.30	70.0	9.000	N	ON	20
1.19	---	32.77	46.00	13.23	70.0	9.000	N	ON	20
2.12	40.00	---	56.00	16.00	70.0	9.000	N	ON	20
2.18	---	29.93	46.00	16.07	70.0	9.000	N	ON	20
12.40	33.32	---	60.00	26.68	70.0	9.000	N	ON	20
12.40	---	24.07	50.00	25.93	70.0	9.000	N	ON	20
28.52	---	32.34	50.00	17.66	70.0	9.000	N	ON	20
28.56	36.24	---	60.00	23.76	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
Spectrum Analyzer	R&S	FSV30	100815	2020-12-13	2021-12-12
EMI Test Receiver	R&S	ESCI	100948	2020-05-18	2021-05-17
				2021-05-15	2022-05-14
Loop Antenna	SCHWARZBECK	FMZB1519	1519-047	2020-04-02	2023-04-01
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9163	391	2019-12-16	2021-12-15
Horn Antenna	R&S	HF907	102723	2018-08-11	2021-08-10
Horn Antenna	ETS-Lindgren	3160-09	00102643	2018-06-20	2021-06-19
EMI Test Receiver	R&S	ESR	101667	2020-05-18	2021-05-17
				2021-05-16	2022-05-15
LISN	R&S	ENV216	101171	2018-12-15	2021-12-14
Spectrum Analyzer	Agilent	N9010A	MY47191109	2020-05-18	2021-05-17
				2021-05-15	2022-05-14
Power Meter	R&S	NRP2	104306	2020-05-18	2021-05-17
				2021-05-15	2022-05-14
Power Sensor	R&S	NRP-Z21	104799	2020-05-18	2021-05-17
				2021-05-15	2022-05-14
RF Cable	Agilent	SMA 15cm	0001	2020-12-10	2021-06-09
Software	R&S	EMC32	9.26.0	/	/

*****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.