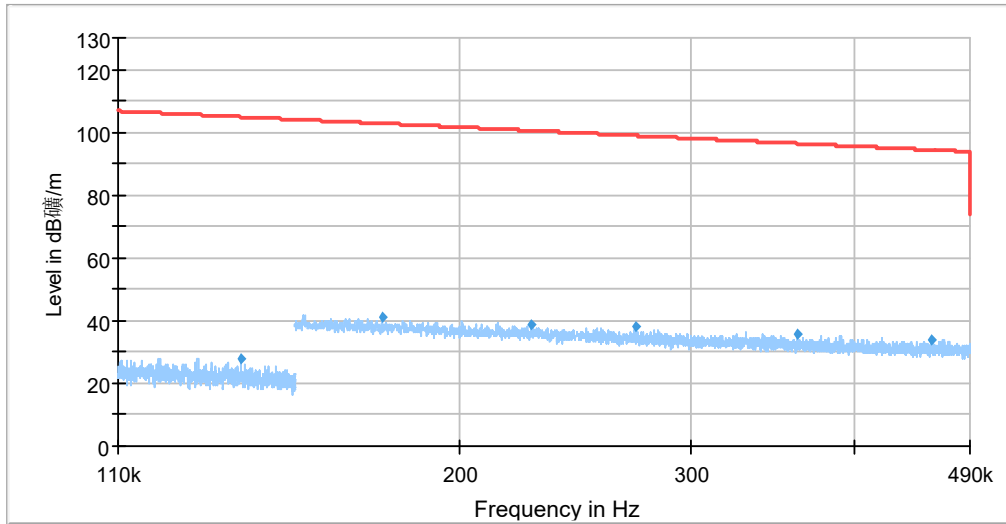
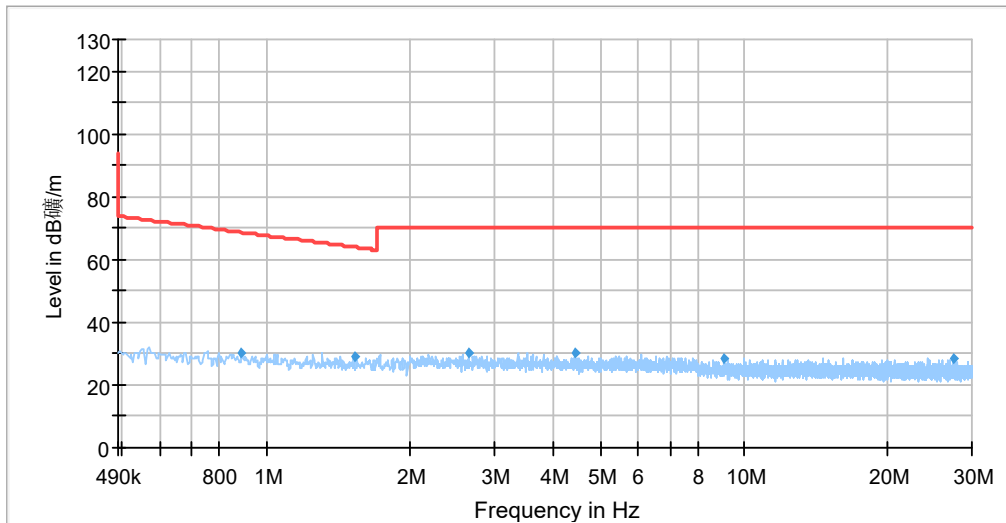
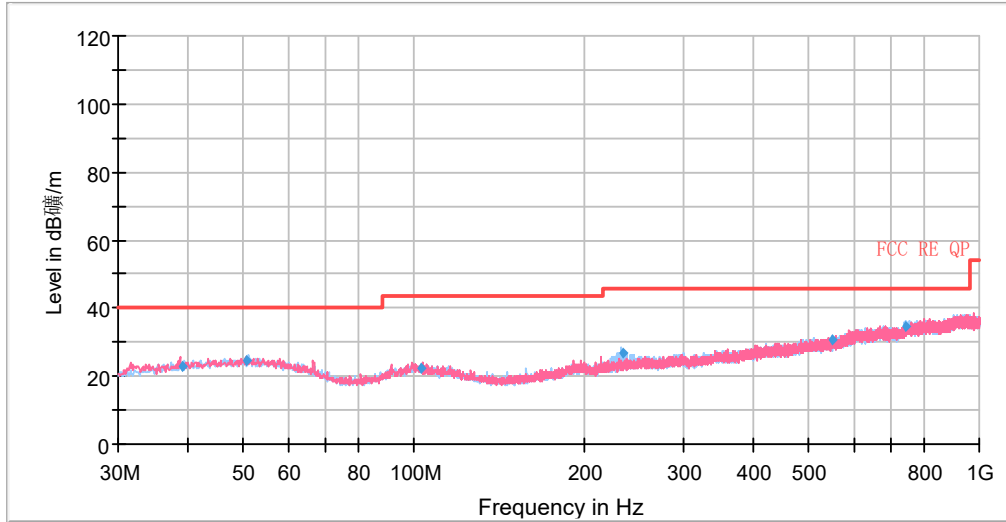




Radiates Emission from 110kHz to 490kHz



Radiates Emission from 490kHz to 30MHz



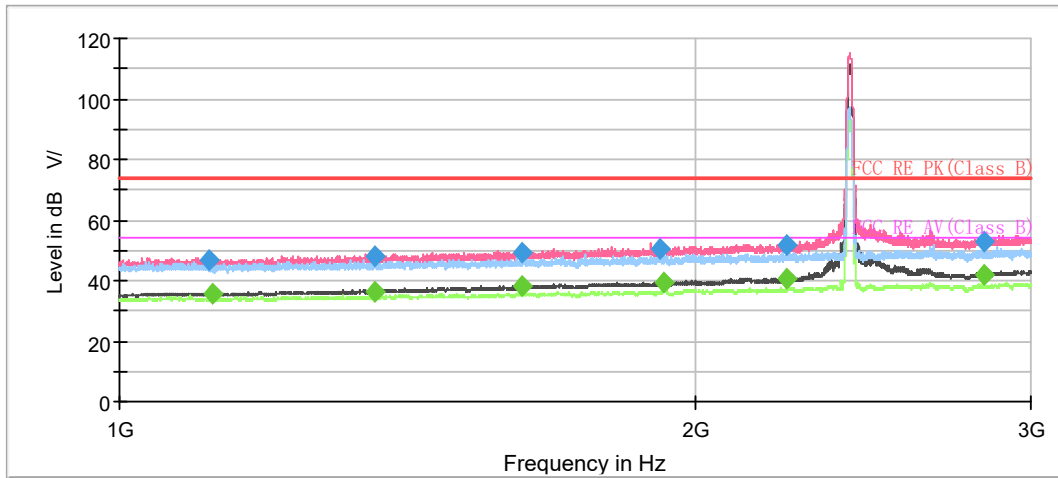
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
38.97	23.09	40.00	16.91	103.0	V	82.00	19
50.54	24.32	40.00	15.68	214.0	H	108.00	20
103.16	22.12	43.50	21.38	113.0	V	234.00	19
233.62	26.95	46.00	19.05	110.0	H	345.00	20
551.37	30.46	46.00	15.54	178.0	H	46.00	27
739.51	34.74	46.00	11.26	100.0	H	62.00	30

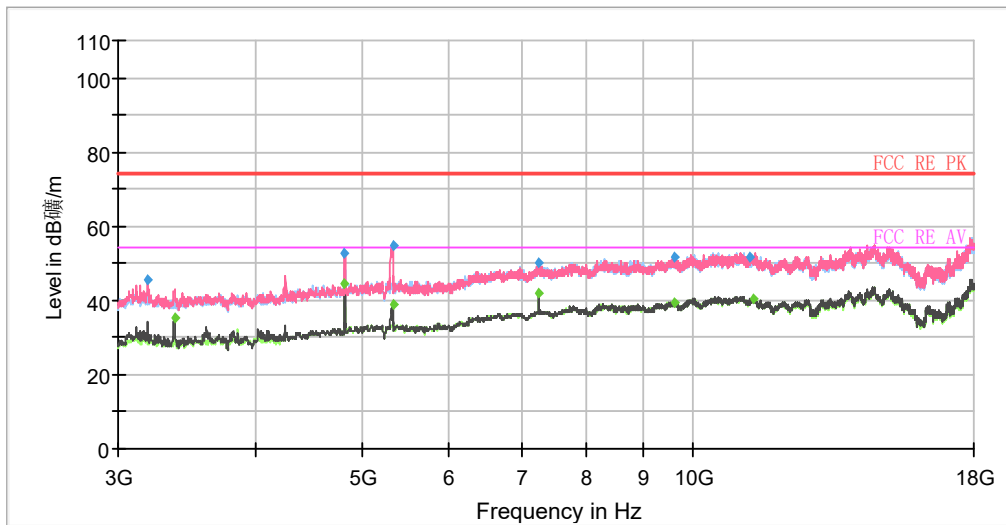
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit – Quasi-Peak

802.11b CH1



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



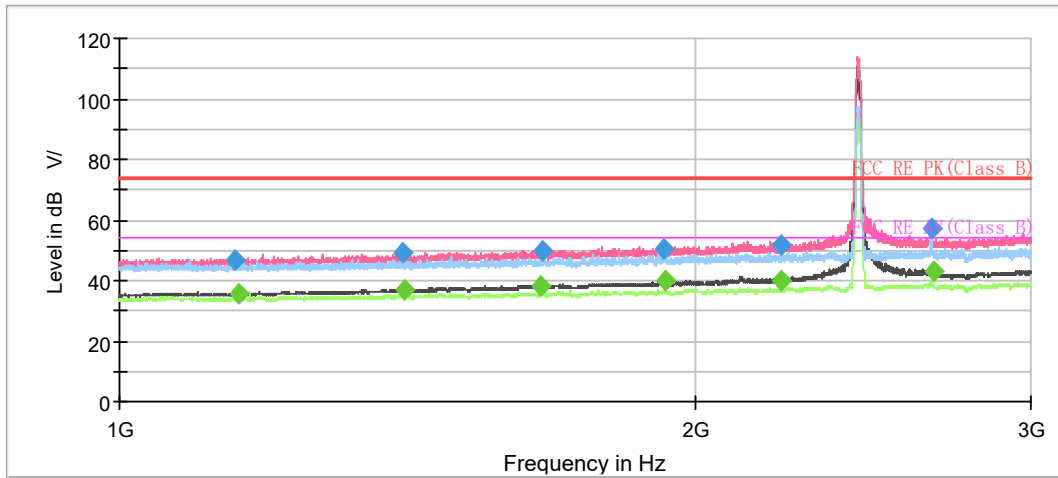
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1115.000000	46.55	---	74.00	27.45	500.0	100.0	V	278.0	4.0
1119.500000	---	35.40	54.00	18.60	500.0	100.0	V	320.0	4.0
1360.250000	---	36.38	54.00	17.62	500.0	100.0	V	296.0	5.5
1360.500000	48.22	---	74.00	25.78	500.0	200.0	V	67.0	5.5
1623.750000	49.49	---	74.00	24.51	500.0	200.0	V	55.0	6.9
1625.000000	---	37.89	54.00	16.11	500.0	200.0	V	212.0	6.9
1918.750000	50.36	---	74.00	23.64	500.0	200.0	V	0.0	8.1
1928.750000	---	39.46	54.00	14.54	500.0	100.0	V	329.0	8.4
2235.750000	51.50	---	74.00	22.50	500.0	100.0	V	54.0	9.5
2236.250000	---	40.64	54.00	13.36	500.0	200.0	V	46.0	9.5
2836.250000	---	41.94	54.00	12.06	500.0	100.0	V	246.0	11.1
2836.500000	53.12	---	74.00	20.88	500.0	200.0	V	4.0	11.1

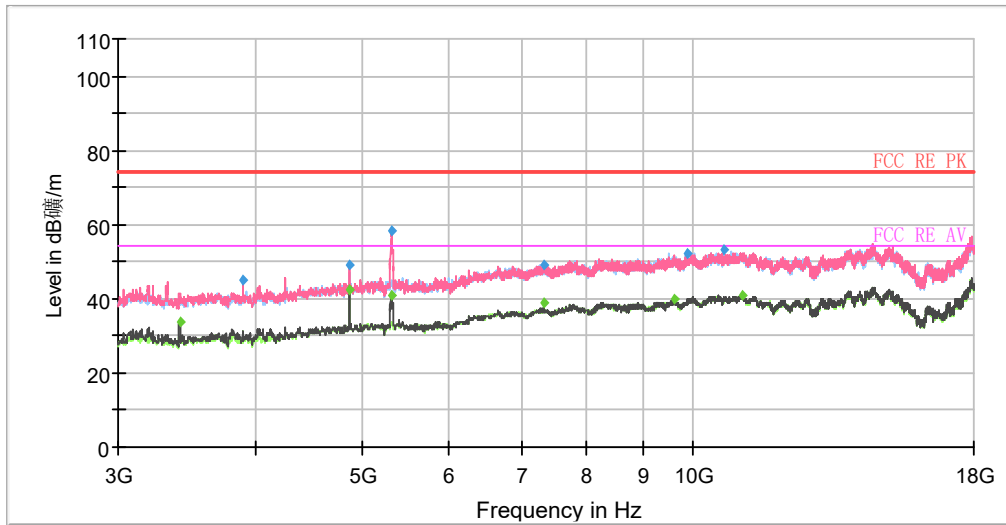
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11b CH6



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



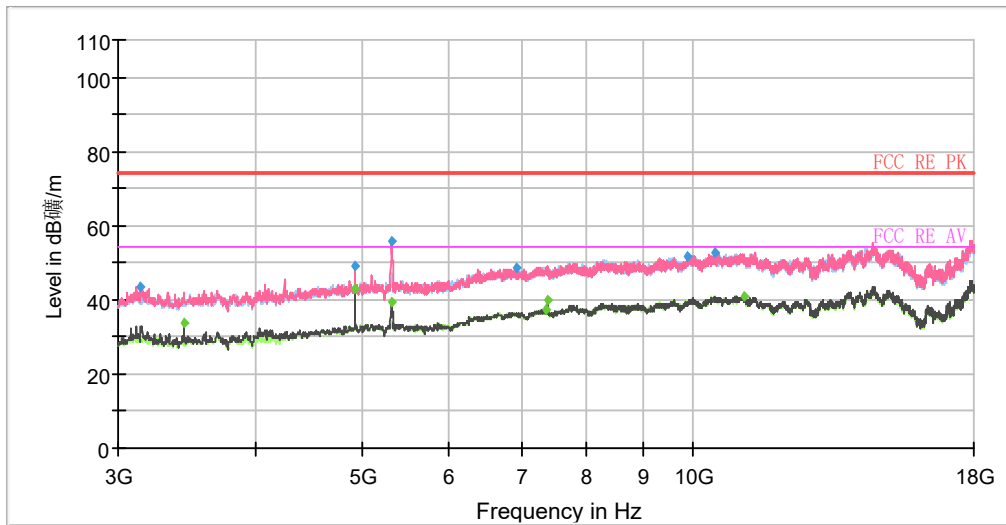
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1150.750000	47.00	---	74.00	27.00	500.0	100.0	V	338.0	4.2
1153.500000	---	35.89	54.00	18.11	500.0	100.0	V	0.0	4.2
1407.500000	49.23	---	74.00	24.77	500.0	200.0	V	194.0	5.8
1409.250000	---	37.18	54.00	16.82	500.0	100.0	V	208.0	5.8
1662.500000	---	38.03	54.00	15.97	500.0	200.0	V	33.0	7.0
1664.750000	49.71	---	74.00	24.29	500.0	200.0	V	46.0	7.0
1926.500000	50.62	---	74.00	23.38	500.0	200.0	V	60.0	8.3
1930.000000	---	39.84	54.00	14.16	500.0	200.0	V	217.0	8.4
2218.750000	51.72	---	74.00	22.28	500.0	100.0	V	204.0	9.3
2221.250000	---	39.97	54.00	14.03	500.0	200.0	V	0.0	9.3
2660.250000	57.20	---	74.00	16.80	500.0	200.0	V	268.0	10.8
2669.000000	---	42.89	54.00	11.11	500.0	200.0	V	0.0	10.8

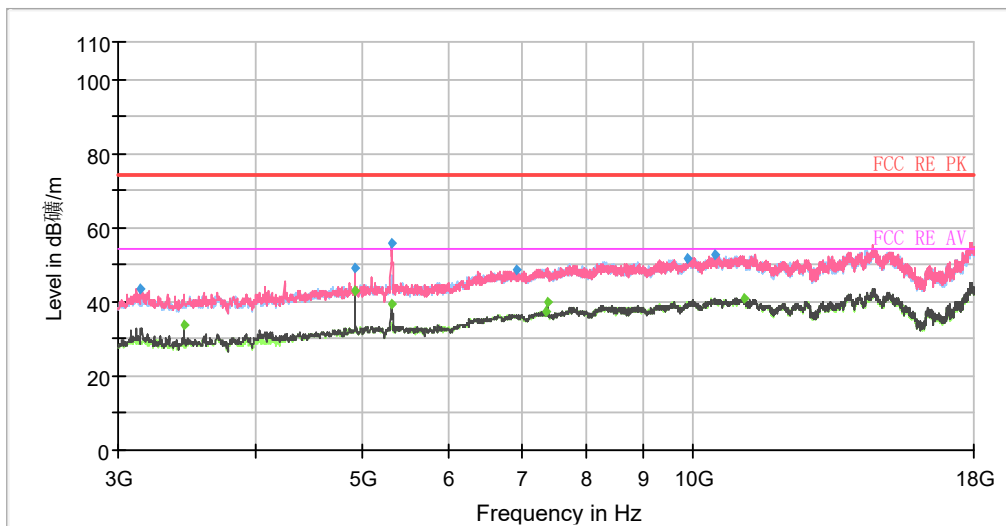
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11b CH11



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



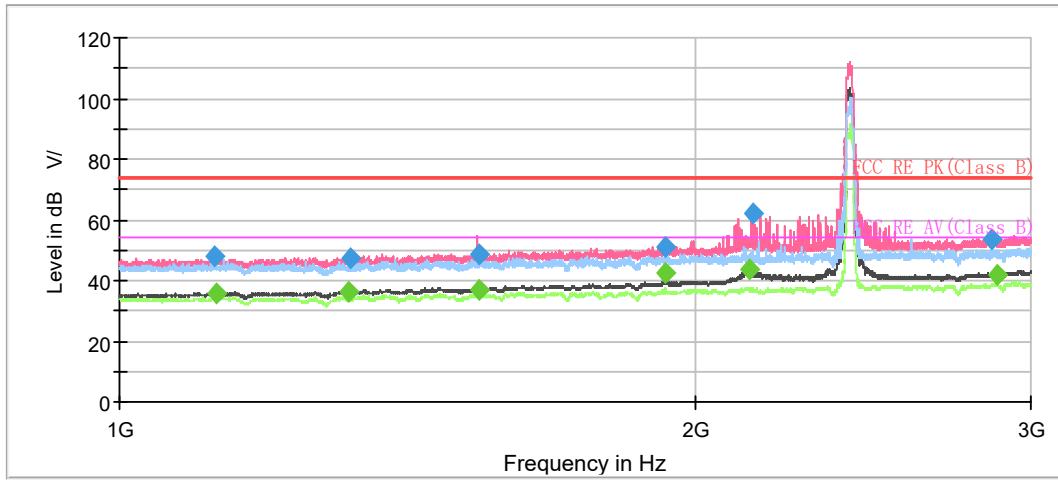
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3142.50	43.54	---	74.00	30.46	1000.00	200.0	V	135.00	-15
3444.38	---	33.60	54.00	20.40	1000.00	100.0	V	153.00	-14
4923.75	---	43.01	54.00	10.99	1000.00	100.0	V	25.00	-9
4923.75	49.27	---	74.00	24.73	1000.00	100.0	V	25.00	-9
5313.75	55.96	---	74.00	18.04	1000.00	100.0	V	16.00	-8
5325.00	---	39.52	54.00	14.48	1000.00	100.0	V	16.00	-8
6905.63	48.85	---	74.00	25.15	1000.00	200.0	V	348.00	-3
7338.75	---	37.22	54.00	16.78	1000.00	200.0	H	59.00	-2
7383.75	---	40.08	54.00	13.92	1000.00	200.0	V	232.00	-2
9898.13	51.43	---	74.00	22.57	1000.00	100.0	H	120.00	0
10447.50	52.49	---	74.00	21.51	1000.00	200.0	H	0.00	2
11111.25	---	40.81	54.00	13.19	1000.00	200.0	V	22.00	2

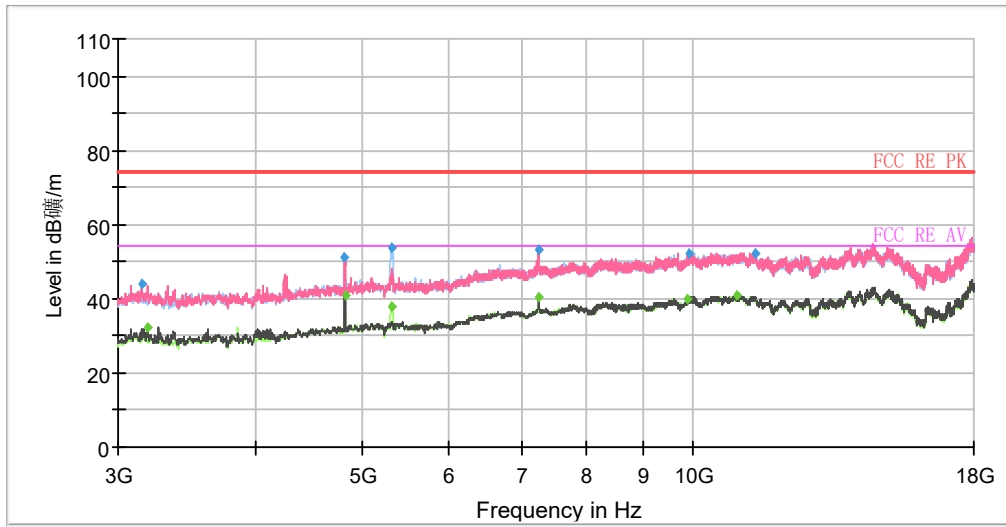
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11g CH1



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



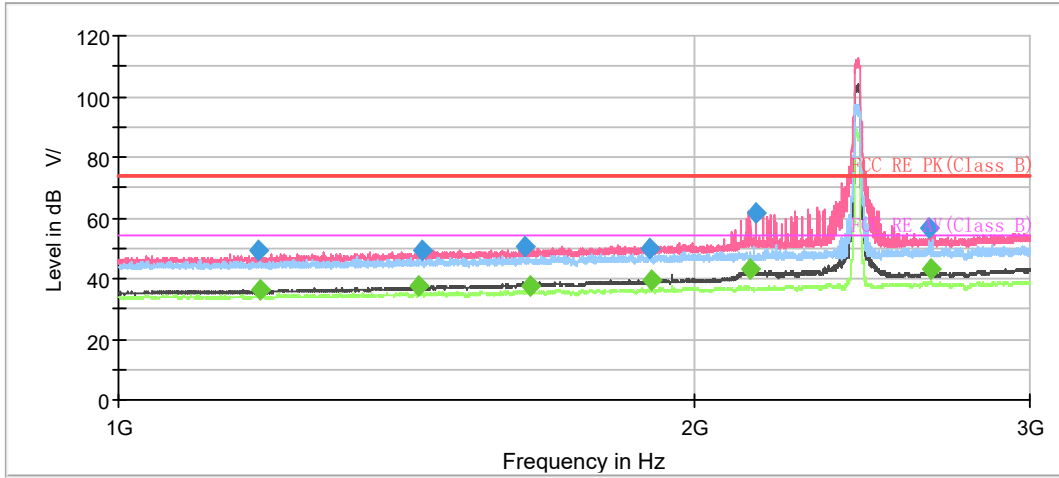
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1120.500000	48.01	---	74.00	25.99	500.0	100.0	V	121.0	4.0
1124.250000	---	35.43	54.00	18.57	500.0	200.0	V	342.0	4.0
1318.000000	---	36.03	54.00	17.97	500.0	200.0	V	252.0	5.2
1322.000000	47.13	---	74.00	26.87	500.0	200.0	V	141.0	5.2
1543.000000	---	37.19	54.00	16.81	500.0	100.0	V	0.0	6.5
1544.000000	48.32	---	74.00	25.68	500.0	100.0	V	224.0	6.5
1929.500000	51.06	---	74.00	22.94	500.0	100.0	V	178.0	8.4
1929.500000	---	42.38	54.00	11.62	500.0	100.0	V	178.0	8.4
2135.000000	---	43.67	54.00	10.33	500.0	200.0	V	38.0	9.1
2144.250000	62.21	---	74.00	11.79	500.0	100.0	V	155.0	9.0
2859.750000	53.50	---	74.00	20.50	500.0	200.0	V	202.0	11.3
2881.750000	---	41.95	54.00	12.05	500.0	200.0	V	264.0	11.3

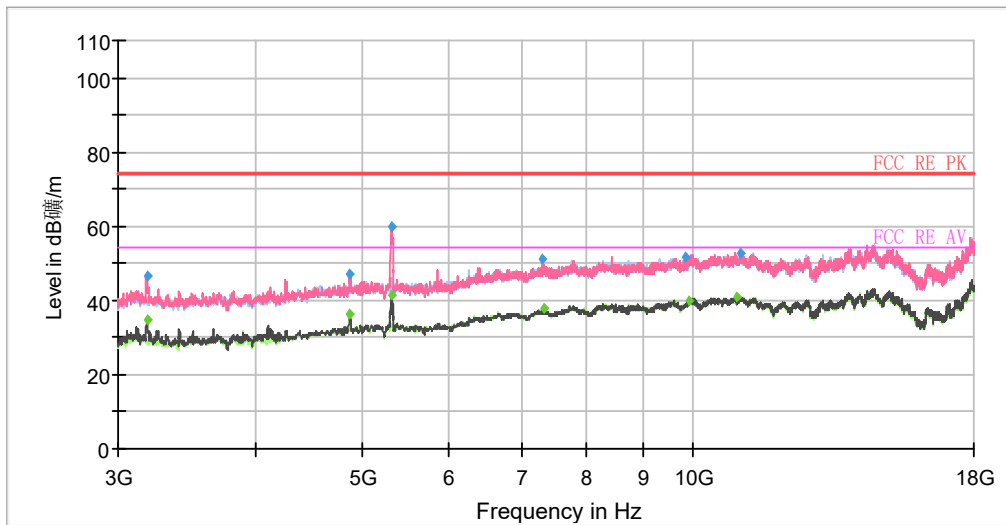
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11g CH6



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



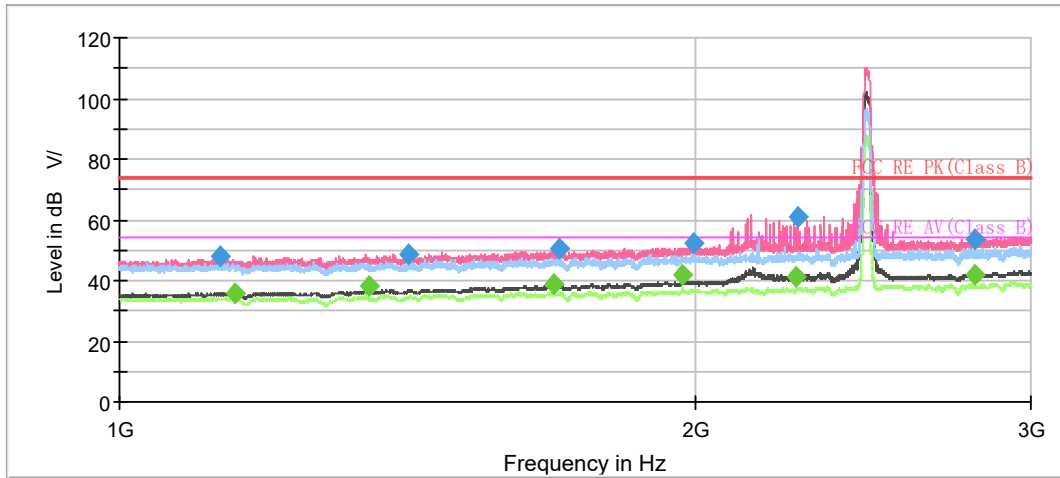
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1184.500000	49.08	---	74.00	24.92	500.0	100.0	V	175.0	4.5
1185.750000	---	36.17	54.00	17.83	500.0	200.0	V	221.0	4.5
1434.250000	---	37.29	54.00	16.71	500.0	100.0	V	201.0	5.9
1441.750000	49.38	---	74.00	24.62	500.0	200.0	V	203.0	5.9
1633.000000	50.53	---	74.00	23.47	500.0	200.0	V	48.0	7.0
1642.500000	---	37.82	54.00	16.19	500.0	200.0	V	251.0	6.9
1898.500000	49.81	---	74.00	24.19	500.0	100.0	V	278.0	8.1
1901.750000	---	39.18	54.00	14.82	500.0	200.0	V	43.0	8.0
2143.500000	---	43.00	54.00	11.00	500.0	200.0	V	139.0	9.0
2156.000000	61.64	---	74.00	12.36	500.0	100.0	V	102.0	8.9
2655.250000	56.88	---	74.00	17.12	500.0	200.0	V	0.0	10.9
2661.250000	---	42.99	54.00	11.01	500.0	100.0	V	17.0	10.8

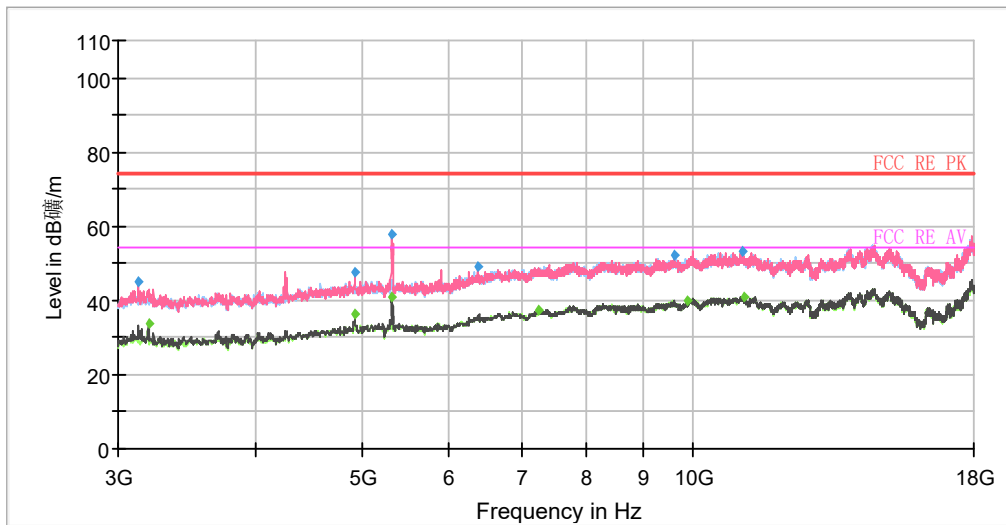
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11g CH11



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



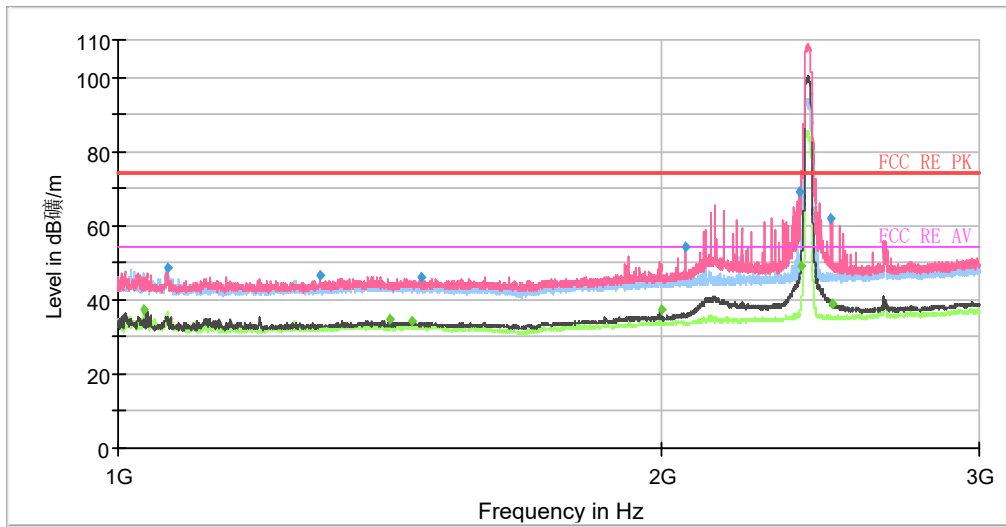
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1128.000000	48.11	---	74.00	25.89	500.0	100.0	V	82.0	4.1
1150.250000	---	35.88	54.00	18.12	500.0	200.0	V	323.0	4.2
1350.000000	---	38.15	54.00	15.85	500.0	200.0	V	7.0	5.4
1417.250000	48.78	---	74.00	25.22	500.0	200.0	V	351.0	5.9
1687.750000	---	38.61	54.00	15.39	500.0	100.0	V	173.0	7.3
1697.750000	50.64	---	74.00	23.36	500.0	100.0	V	27.0	7.4
1969.500000	---	41.59	54.00	12.41	500.0	200.0	V	221.0	8.4
1997.750000	52.16	---	74.00	21.84	500.0	100.0	V	11.0	8.6
2262.000000	---	41.14	54.00	12.86	500.0	200.0	V	323.0	9.5
2267.000000	61.22	---	74.00	12.78	500.0	200.0	V	16.0	9.5
2803.250000	---	42.02	54.00	11.98	500.0	200.0	V	82.0	11.1
2805.750000	53.62	---	74.00	20.38	500.0	200.0	V	82.0	11.1

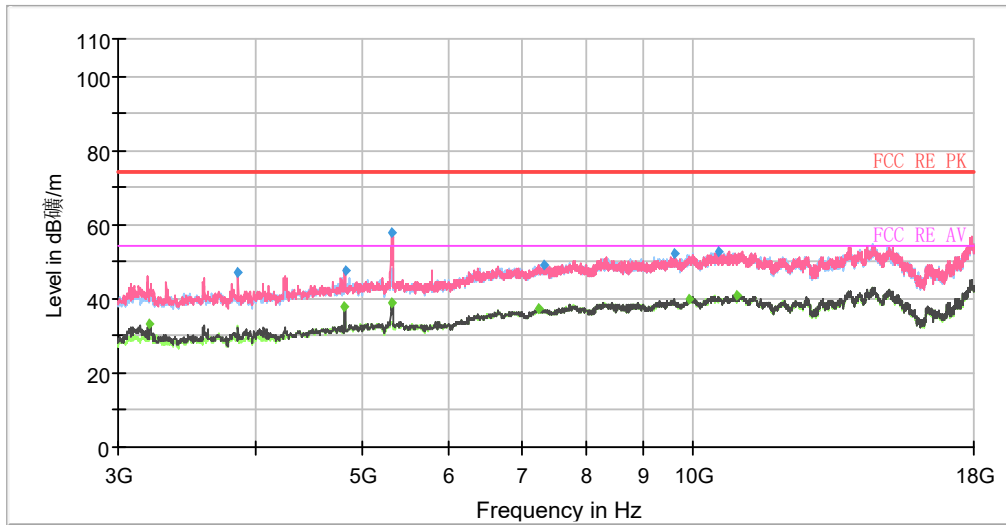
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT20) CH1



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



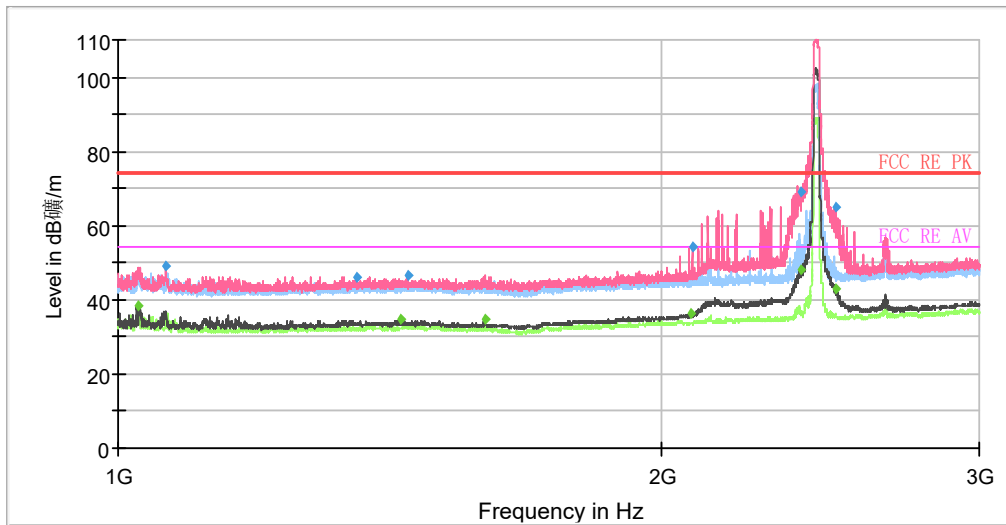
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1034.00	---	37.38	54.00	16.62	1000.00	100.0	H	220.00	-3
1065.00	48.57	---	74.00	25.43	1000.00	100.0	H	220.00	-3
1295.00	46.45	---	74.00	27.55	1000.00	200.0	V	99.00	-2
1415.00	---	34.73	54.00	19.27	1000.00	200.0	V	0.00	-1
1456.00	---	34.09	54.00	19.91	1000.00	200.0	V	74.00	-1
1473.25	46.09	---	74.00	27.91	1000.00	200.0	V	74.00	-1
1999.25	---	37.30	54.00	16.70	1000.00	200.0	V	271.00	1
2061.25	54.44	---	74.00	19.56	1000.00	200.0	V	166.00	1
2384.00	69.04	---	74.00	4.96	1000.00	100.0	V	102.00	3
2389.50	---	48.87	54.00	5.13	1000.00	200.0	V	61.00	3
2484.25	62.02	---	74.00	11.98	1000.00	200.0	V	1.00	3
2485.50	---	38.80	54.00	15.20	1000.00	200.0	V	231.00	3

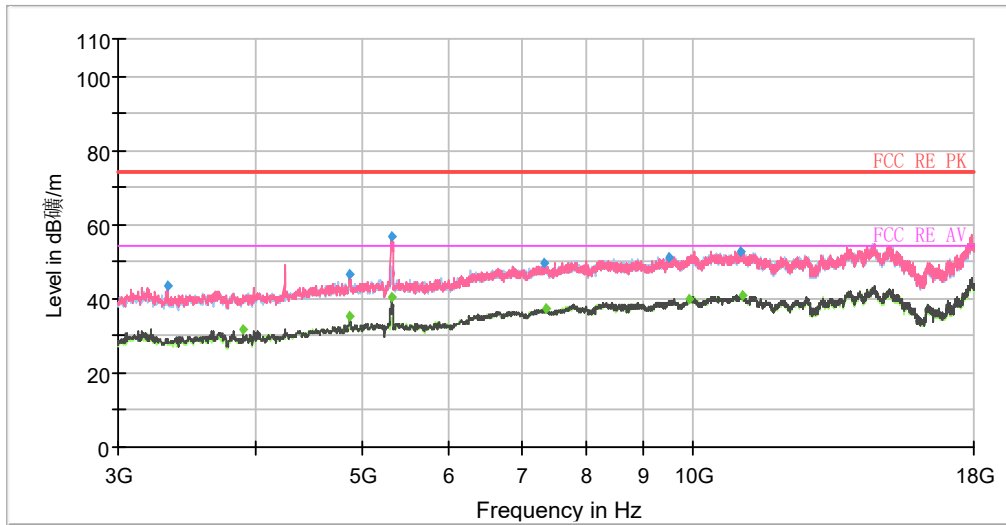
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT20) CH6



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



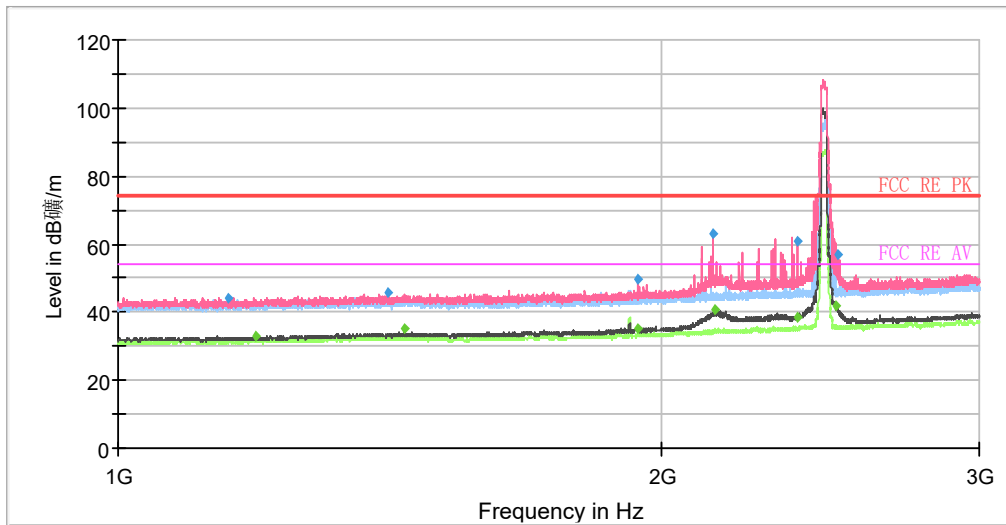
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1025.25	---	38.34	54.00	15.66	1000.00	100.0	V	131.00	-3
1063.00	49.10	---	74.00	24.90	1000.00	100.0	V	144.00	-3
1357.00	46.19	---	74.00	27.81	1000.00	200.0	V	141.00	-1
1434.25	---	34.75	54.00	19.25	1000.00	200.0	V	36.00	-1
1447.75	46.52	---	74.00	27.48	1000.00	100.0	V	337.00	-1
1595.75	---	35.01	54.00	18.99	1000.00	100.0	V	105.00	-1
2076.75	---	36.22	54.00	17.78	1000.00	100.0	V	261.00	1
2079.50	54.16	---	74.00	19.84	1000.00	100.0	V	171.00	1
2387.50	69.26	---	74.00	4.74	1000.00	200.0	V	115.00	3
2387.50	---	47.86	54.00	6.14	1000.00	200.0	V	115.00	3
2498.50	65.07	---	74.00	8.93	1000.00	200.0	V	219.00	3
2500.75	---	43.02	54.00	10.98	1000.00	200.0	V	193.00	3

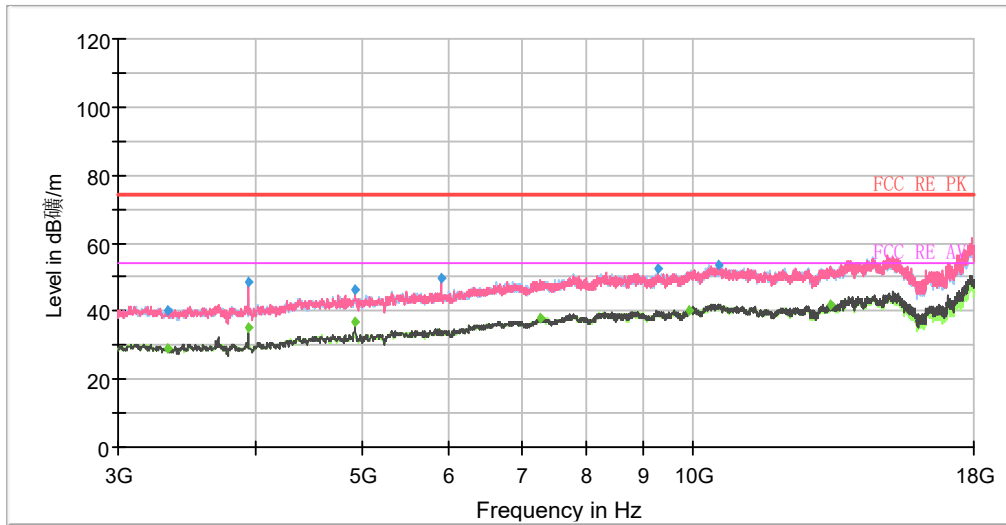
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT20) CH11



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



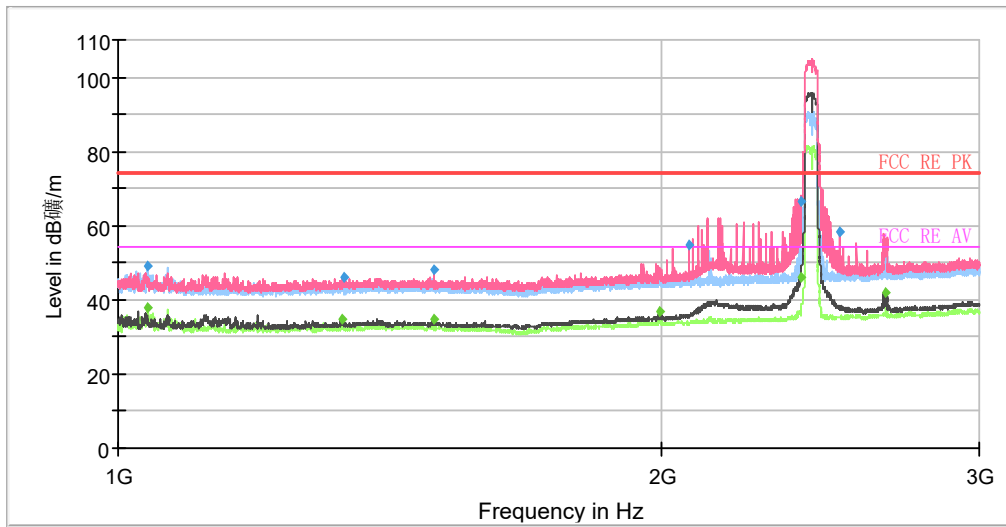
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1150.25	44.24	---	74.00	29.76	500.00	100.0	V	169.00	-2
1193.00	---	32.78	54.00	21.22	500.00	200.0	V	276.00	-2
1412.50	45.73	---	74.00	28.27	500.00	200.0	V	349.00	-1
1440.00	---	35.07	54.00	18.93	500.00	100.0	H	277.00	-1
1942.25	49.58	---	74.00	24.42	500.00	100.0	V	45.00	1
1942.50	---	35.02	54.00	18.98	500.00	100.0	V	245.00	1
2137.75	63.12	---	74.00	10.88	500.00	200.0	V	302.00	1
2140.25	---	40.60	54.00	13.40	500.00	200.0	V	285.00	1
2377.50	60.76	---	74.00	13.24	500.00	100.0	V	127.00	3
2379.25	---	38.78	54.00	15.22	500.00	200.0	V	0.00	3
2498.25	---	41.91	54.00	12.09	500.00	200.0	V	0.00	3
2502.00	56.77	---	74.00	17.23	500.00	200.0	V	353.00	3

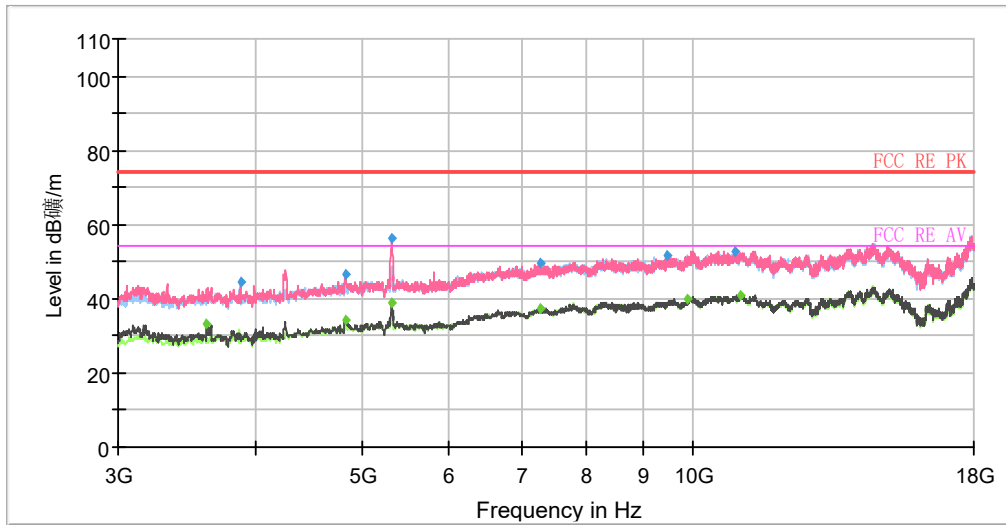
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT40) CH3



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



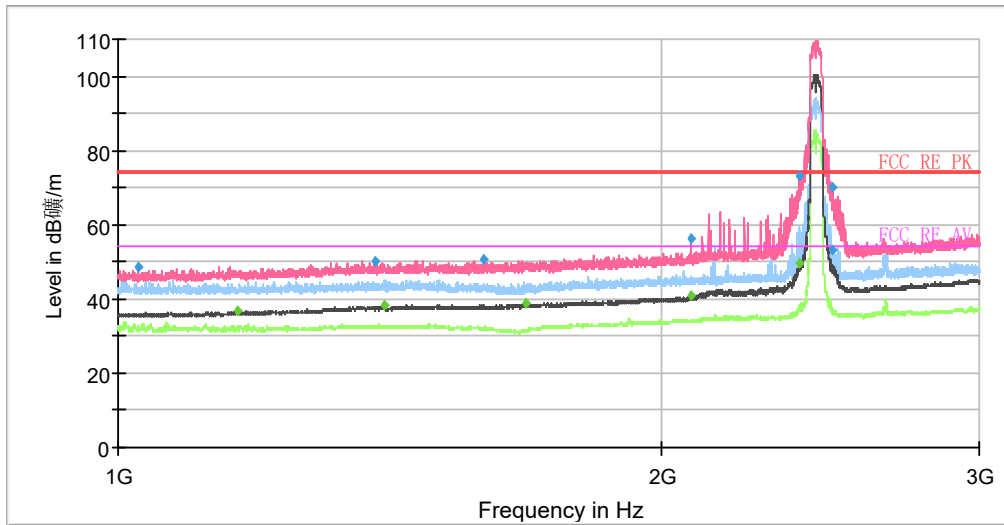
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1037.50	49.22	---	74.00	24.78	1000.00	100.0	H	293.00	-3
1038.25	---	37.64	54.00	16.36	1000.00	100.0	H	216.00	-3
1331.75	---	34.67	54.00	19.33	1000.00	200.0	V	87.00	-1
1333.00	46.19	---	74.00	27.81	1000.00	200.0	V	163.00	-1
1494.75	---	34.73	54.00	19.27	1000.00	100.0	V	44.00	-1
1495.50	48.19	---	74.00	25.81	1000.00	100.0	V	44.00	-1
1996.50	---	36.79	54.00	17.21	1000.00	100.0	V	162.00	1
2071.00	54.80	---	74.00	19.20	1000.00	200.0	V	125.00	1
2388.75	---	46.28	54.00	7.72	1000.00	200.0	V	355.00	3
2389.00	66.72	---	74.00	7.28	1000.00	200.0	V	359.00	3
2512.75	58.35	---	74.00	15.65	1000.00	200.0	V	359.00	3
2660.50	---	42.17	54.00	11.83	1000.00	200.0	V	87.00	4

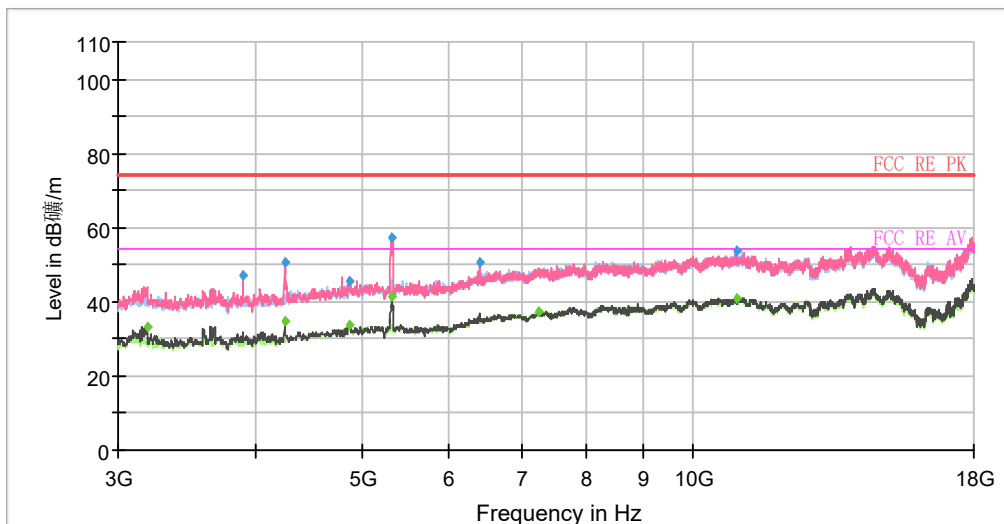
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT40) CH6



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



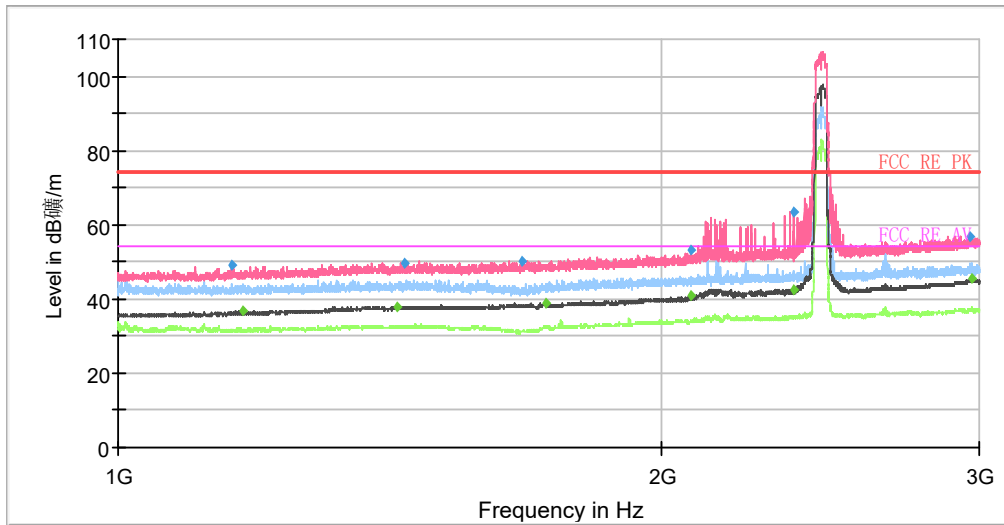
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1025.50	48.83	---	74.00	25.17	1000.00	200.0	V	346.00	-3
1165.75	---	36.67	54.00	17.33	1000.00	200.0	V	346.00	-2
1386.50	50.09	---	74.00	23.91	1000.00	200.0	V	359.00	-1
1404.50	---	38.24	54.00	15.76	1000.00	200.0	V	288.00	-1
1594.00	50.52	---	74.00	23.48	1000.00	200.0	V	357.00	-1
1680.50	---	38.97	54.00	15.03	1000.00	200.0	V	210.00	0
2076.50	56.15	---	74.00	17.85	1000.00	100.0	V	311.00	1
2077.50	---	40.79	54.00	13.21	1000.00	200.0	V	359.00	1
2383.75	72.92	---	74.00	1.08	1000.00	200.0	V	0.00	3
2385.75	---	49.60	54.00	4.40	1000.00	200.0	V	224.00	3
2486.00	53.23	---	74.00	20.77	1000.00	100.0	H	181.00	3
2488.00	70.09	---	74.00	3.91	1000.00	200.0	V	113.00	3

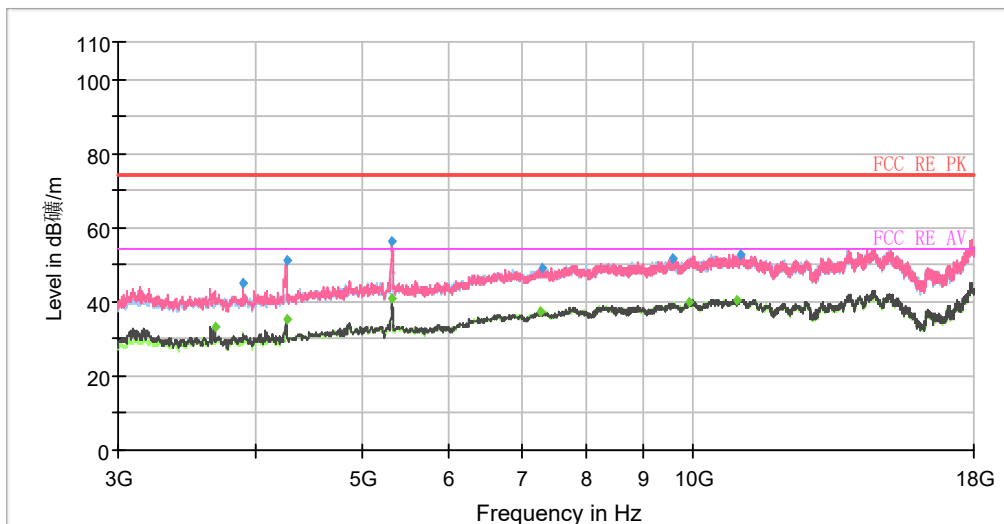
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT40) CH9



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



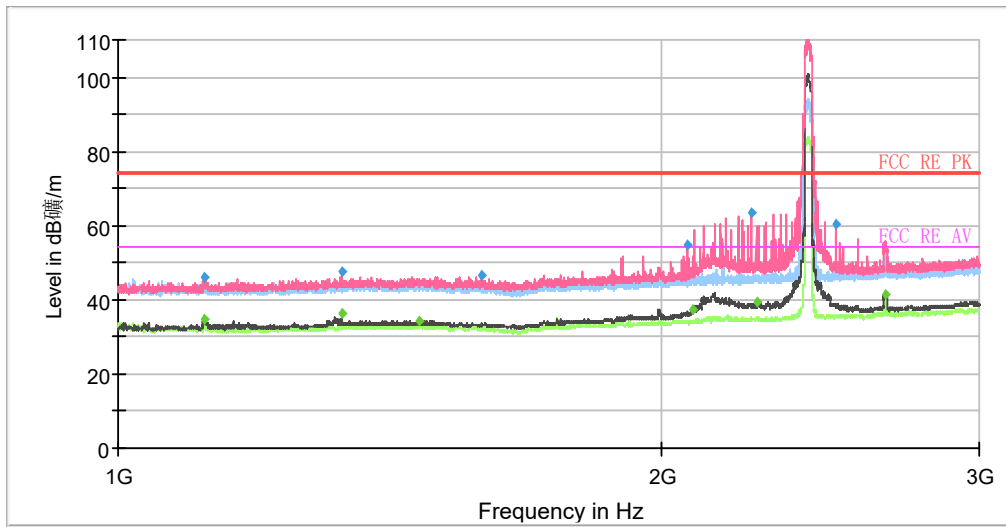
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1157.00	48.89	---	74.00	25.11	1000.00	200.0	V	356.00	-2
1172.25	---	36.98	54.00	17.02	1000.00	200.0	V	322.00	-2
1428.75	---	37.98	54.00	16.02	1000.00	200.0	V	203.00	-1
1440.25	49.60	---	74.00	24.40	1000.00	200.0	V	322.00	-1
1675.75	50.13	---	74.00	23.87	1000.00	200.0	V	244.00	-1
1724.25	---	38.95	54.00	15.05	1000.00	200.0	V	230.00	0
2075.00	53.02	---	74.00	20.98	1000.00	200.0	V	358.00	1
2077.75	---	40.97	54.00	13.03	1000.00	200.0	V	230.00	1
2367.50	63.68	---	74.00	10.32	1000.00	200.0	V	354.00	3
2368.25	---	42.35	54.00	11.65	1000.00	200.0	V	354.00	3
2968.00	56.73	---	74.00	17.27	1000.00	200.0	V	257.00	5
2970.50	---	45.41	54.00	8.59	1000.00	200.0	V	0.00	5

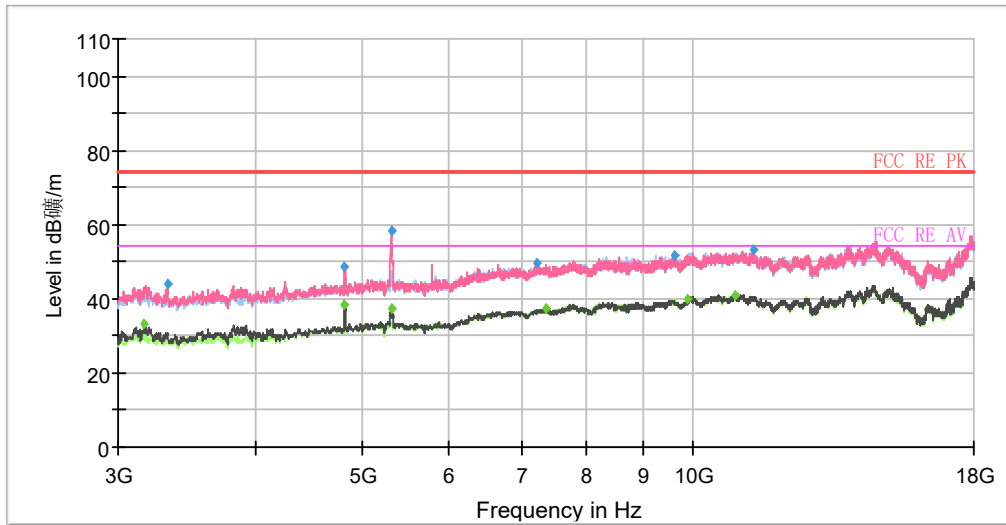
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11ax HE20 CH 1



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



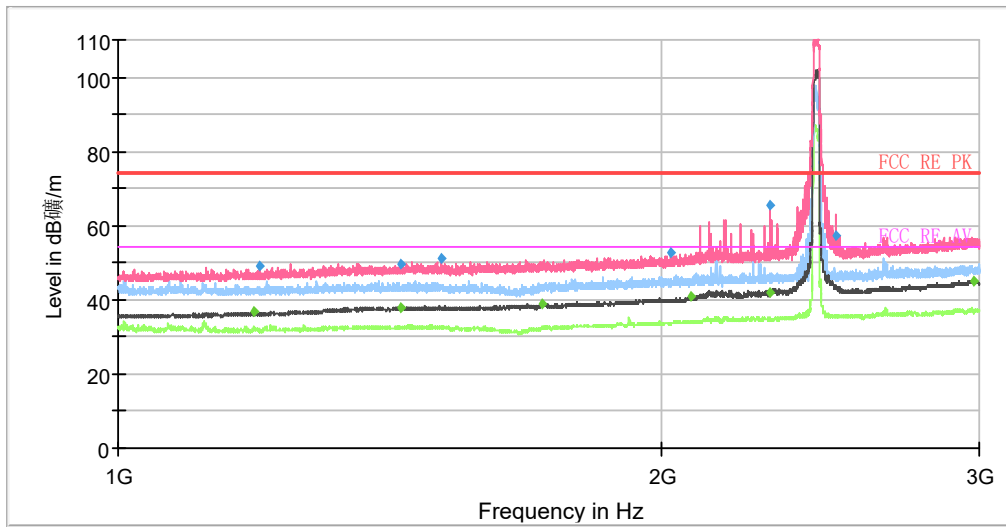
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1115.75	---	34.93	54.00	19.07	1000.00	200.0	V	128.00	-3
1117.25	45.92	---	74.00	28.08	1000.00	200.0	V	128.00	-3
1331.50	47.64	---	74.00	26.36	1000.00	200.0	V	154.00	-1
1331.75	---	36.29	54.00	17.71	1000.00	200.0	V	154.00	-1
1468.25	---	34.47	54.00	19.53	1000.00	100.0	V	166.00	-1
1589.25	46.56	---	74.00	27.44	1000.00	100.0	V	3.00	-1
2068.25	54.87	---	74.00	19.13	1000.00	200.0	V	349.00	1
2079.50	---	37.41	54.00	16.59	1000.00	200.0	V	141.00	1
2246.00	63.48	---	74.00	10.52	1000.00	100.0	V	2.00	2
2260.00	---	39.22	54.00	14.78	1000.00	200.0	V	141.00	2
2501.25	60.48	---	74.00	13.52	1000.00	200.0	V	141.00	3
2663.50	---	41.50	54.00	12.50	1000.00	100.0	V	258.00	4

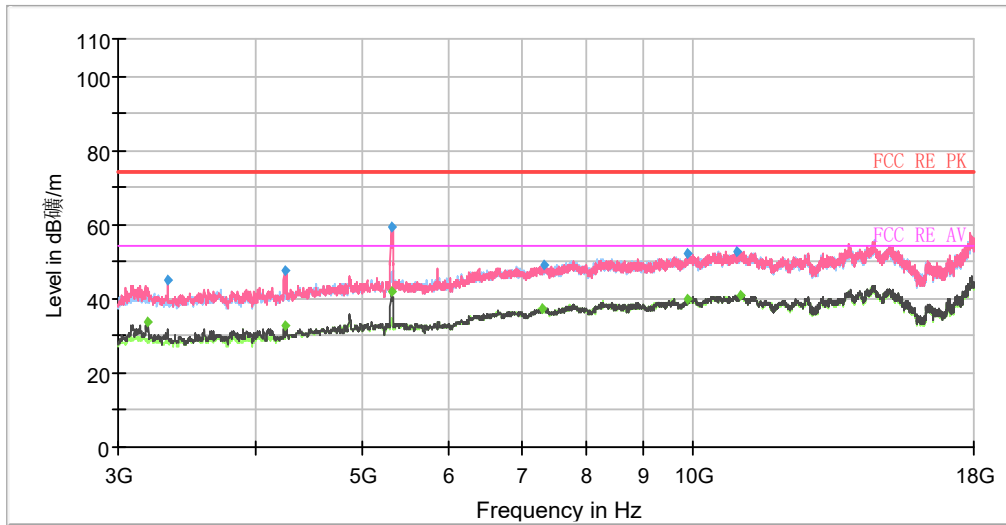
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11ax HE20 CH 6



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



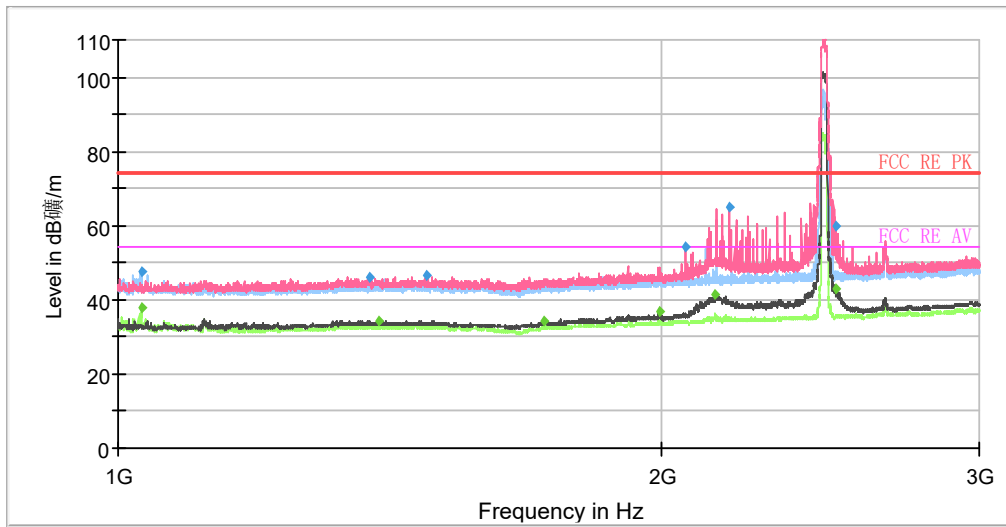
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1189.75	---	36.77	54.00	17.23	1000.00	200.0	V	355.00	-2
1196.75	48.93	---	74.00	25.07	1000.00	200.0	V	352.00	-2
1433.25	49.85	---	74.00	24.15	1000.00	200.0	V	357.00	-1
1435.50	---	38.09	54.00	15.91	1000.00	200.0	V	225.00	-1
1511.50	51.41	---	74.00	22.59	1000.00	200.0	V	357.00	-1
1719.00	---	38.99	54.00	15.01	1000.00	200.0	V	316.00	0
2026.25	52.54	---	74.00	21.46	1000.00	200.0	V	291.00	1
2077.75	---	40.72	54.00	13.28	1000.00	200.0	V	357.00	1
2297.00	65.40	---	74.00	8.60	1000.00	200.0	V	352.00	2
2297.50	---	42.02	54.00	11.98	1000.00	200.0	V	352.00	2
2501.75	57.41	---	74.00	16.59	1000.00	200.0	V	357.00	3
2977.00	---	45.16	54.00	8.84	1000.00	200.0	V	291.00	5

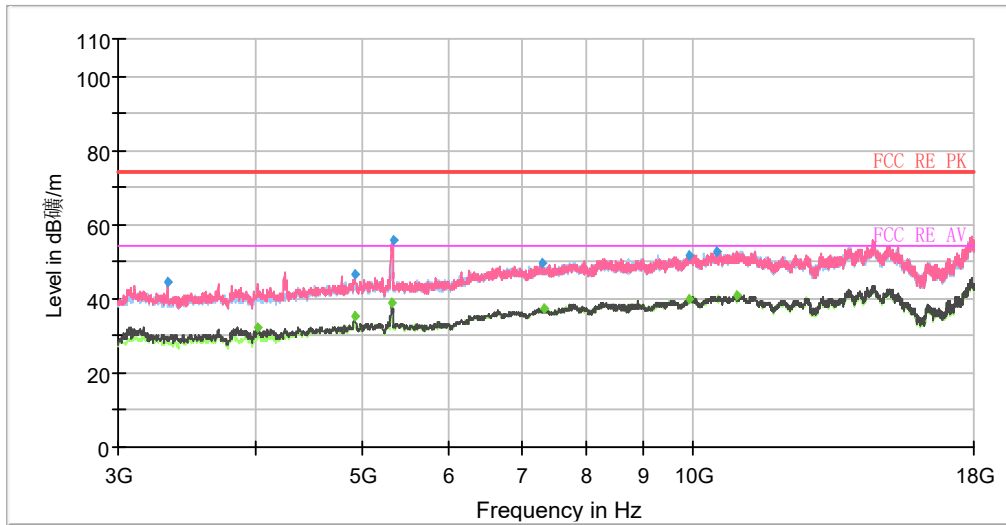
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11ax HE20 CH11



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



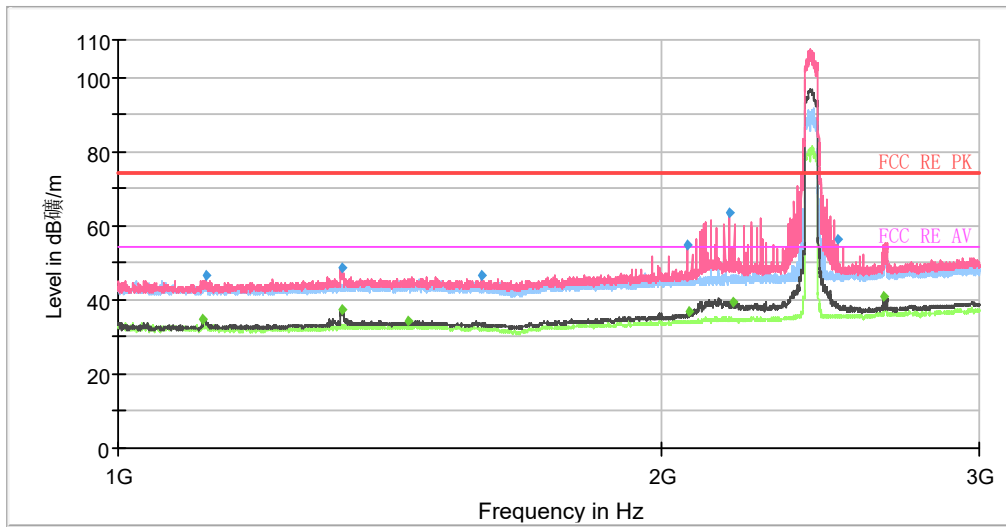
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1030.00	---	37.89	54.00	16.11	1000.00	200.0	H	169.00	-3
1030.00	47.53	---	74.00	26.47	1000.00	200.0	H	169.00	-3
1377.25	46.21	---	74.00	27.79	1000.00	200.0	V	166.00	-1
1393.75	---	34.35	54.00	19.65	1000.00	200.0	V	257.00	-1
1483.50	46.57	---	74.00	27.43	1000.00	100.0	V	167.00	-1
1721.75	---	34.34	54.00	19.66	1000.00	100.0	V	75.00	0
1995.25	---	37.07	54.00	16.93	1000.00	100.0	V	167.00	1
2060.50	54.13	---	74.00	19.87	1000.00	200.0	V	0.00	1
2139.75	---	41.32	54.00	12.68	1000.00	200.0	V	358.00	1
2180.00	64.87	---	74.00	9.13	1000.00	100.0	V	272.00	2
2498.50	---	42.81	54.00	11.19	1000.00	200.0	V	140.00	3
2499.25	59.65	---	74.00	14.35	1000.00	200.0	V	283.00	3

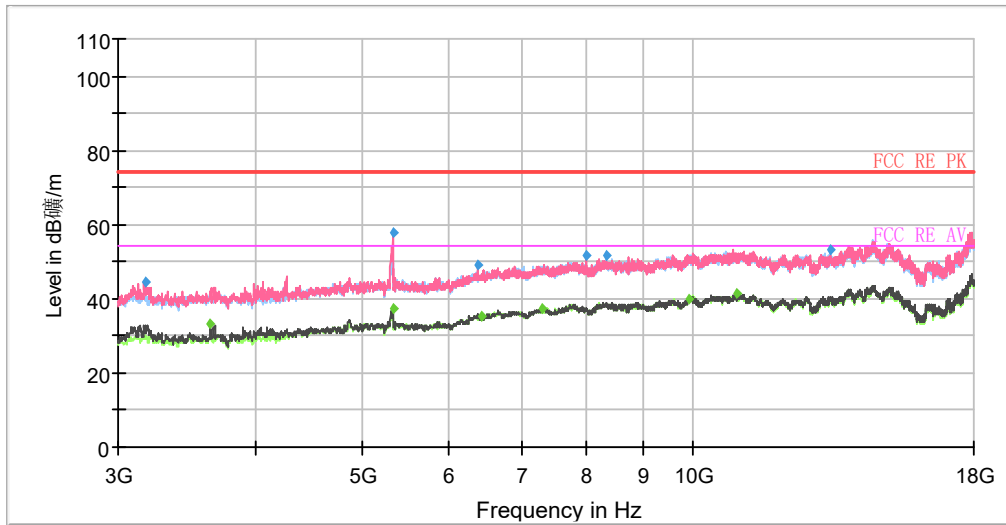
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11ax HE40 CH3



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



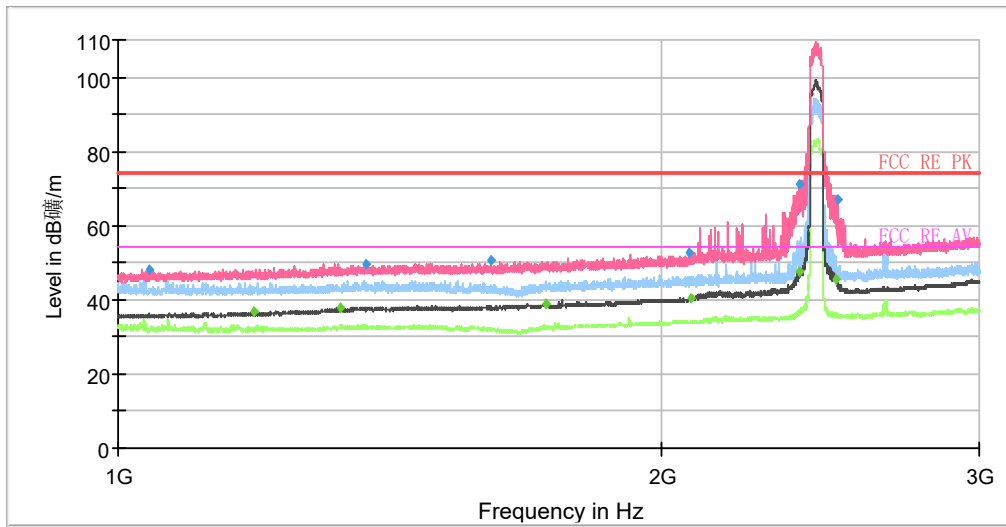
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1114.75	---	34.69	54.00	19.31	1000.00	200.0	V	141.00	-3
1119.00	46.78	---	74.00	27.22	1000.00	200.0	V	141.00	-3
1330.25	48.55	---	74.00	25.45	1000.00	200.0	V	155.00	-1
1330.50	---	37.38	54.00	16.62	1000.00	200.0	V	155.00	-1
1447.25	---	34.17	54.00	19.83	1000.00	100.0	V	0.00	-1
1590.00	46.71	---	74.00	27.29	1000.00	100.0	V	10.00	-1
2068.50	54.79	---	74.00	19.21	1000.00	200.0	V	358.00	1
2072.25	---	36.61	54.00	17.39	1000.00	200.0	V	193.00	1
2181.75	63.32	---	74.00	10.68	1000.00	200.0	V	141.00	2
2192.00	---	39.17	54.00	14.83	1000.00	200.0	V	232.00	2
2503.00	56.09	---	74.00	17.91	1000.00	100.0	V	6.00	3
2658.50	---	40.98	54.00	13.02	1000.00	100.0	V	324.00	4

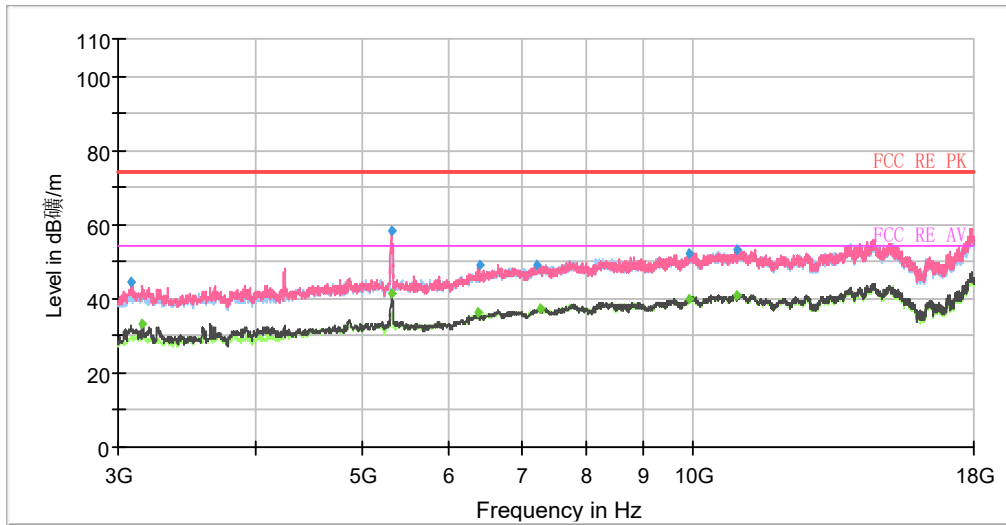
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11ax HE40 CH6



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



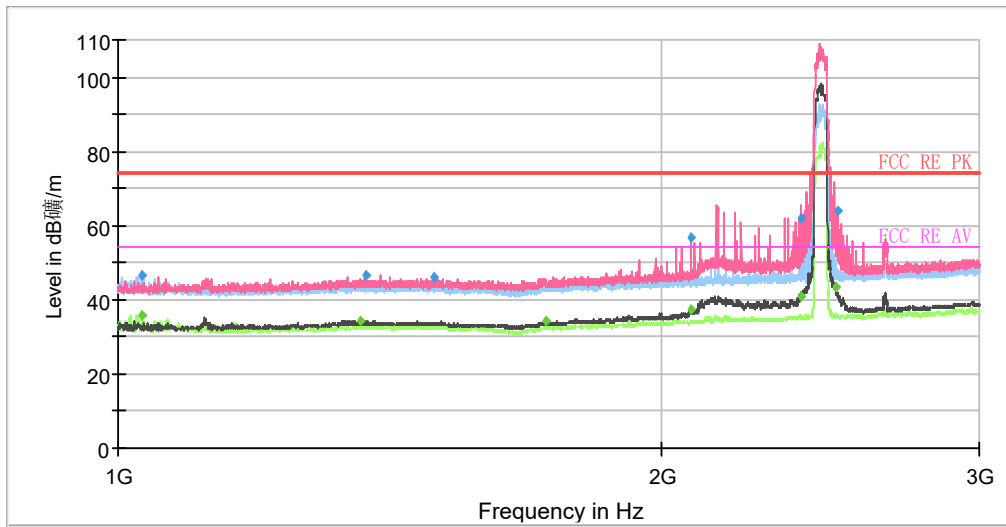
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1040.25	48.25	---	74.00	25.75	1000.00	200.0	V	225.00	-3
1189.25	---	36.62	54.00	17.38	1000.00	200.0	V	289.00	-2
1328.75	---	38.07	54.00	15.93	1000.00	200.0	V	315.00	-1
1373.25	49.78	---	74.00	24.22	1000.00	200.0	V	264.00	-1
1608.75	50.69	---	74.00	23.31	1000.00	200.0	V	338.00	-1
1724.25	---	39.03	54.00	14.97	1000.00	200.0	V	251.00	0
2071.00	52.58	---	74.00	21.42	1000.00	200.0	V	357.00	1
2077.00	---	40.52	54.00	13.48	1000.00	200.0	V	357.00	1
2384.75	70.89	---	74.00	3.11	1000.00	200.0	V	355.00	3
2386.50	---	47.80	54.00	6.20	1000.00	200.0	V	357.00	3
2498.75	---	45.68	54.00	8.32	1000.00	200.0	V	251.00	3
2504.25	66.85	---	74.00	7.15	1000.00	200.0	V	358.00	3

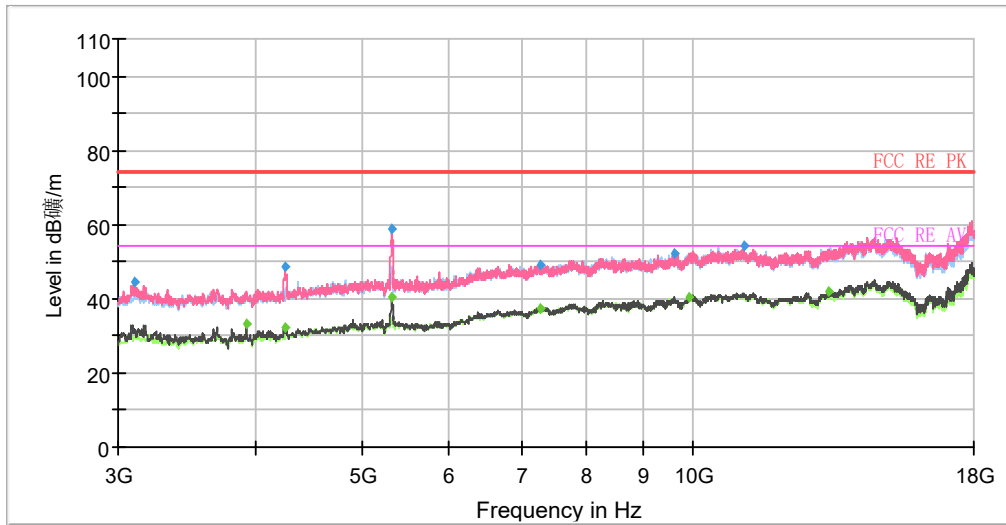
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11ax HE40 CH9



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



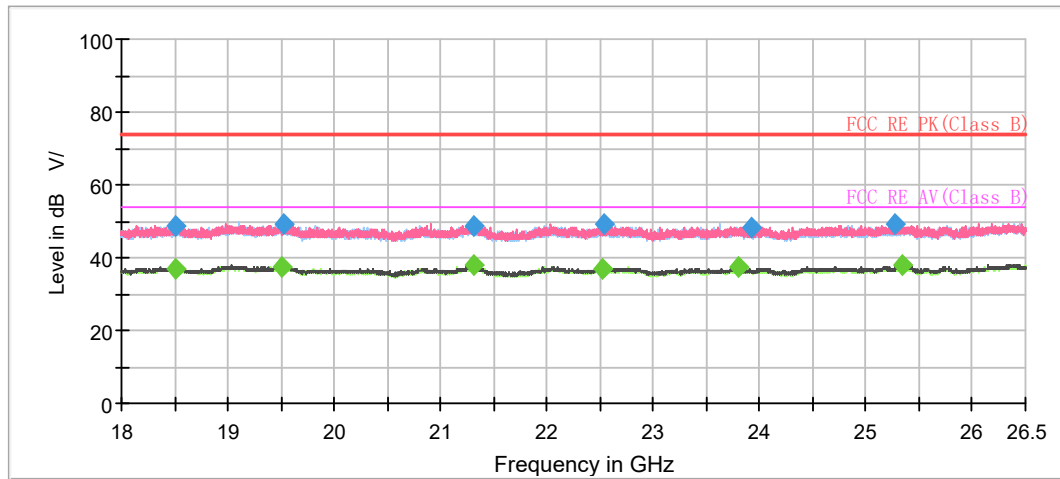
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1031.50	46.32	---	74.00	27.68	1000.00	200.0	H	141.00	-3
1031.75	---	35.88	54.00	18.12	1000.00	200.0	H	166.00	-3
1363.00	---	34.43	54.00	19.57	1000.00	100.0	V	166.00	-1
1372.00	46.45	---	74.00	27.55	1000.00	100.0	V	166.00	-1
1494.75	46.29	---	74.00	27.72	1000.00	200.0	V	209.00	-1
1724.25	---	34.45	54.00	19.55	1000.00	100.0	V	75.00	0
2077.75	56.58	---	74.00	17.42	1000.00	200.0	V	274.00	1
2078.75	---	37.15	54.00	16.85	1000.00	200.0	V	0.00	1
2387.75	61.96	---	74.00	12.04	1000.00	200.0	V	351.00	3
2387.75	---	41.17	54.00	12.83	1000.00	200.0	V	351.00	3
2498.25	---	43.55	54.00	10.45	1000.00	200.0	V	0.00	3
2502.00	63.75	---	74.00	10.25	1000.00	200.0	V	49.00	3

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

2. Margin = Limit –MAX Peak/ Average

During the test, the Radiates Emission from 18GHz to 26.5GHz was performed in all modes with all channels, 802.11n (HT40) CH6 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.



Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
18505.750000	---	36.91	54.00	17.09	500.0	200.0	H	244.0	-3.0
18510.000000	48.70	---	74.00	25.30	500.0	200.0	V	253.0	-3.0
19513.000000	---	37.65	54.00	16.35	500.0	200.0	V	217.0	-2.8
19520.437500	49.10	---	74.00	24.90	500.0	200.0	V	0.0	-2.8
21307.562500	---	37.75	54.00	16.25	500.0	200.0	V	10.0	-1.8
21311.812500	48.48	---	74.00	25.52	500.0	100.0	V	308.0	-1.8
22514.562500	---	36.86	54.00	17.14	500.0	200.0	H	0.0	-1.8
22536.875000	49.23	---	74.00	24.77	500.0	200.0	V	170.0	-1.8
23803.375000	---	37.28	54.00	16.72	500.0	200.0	V	16.0	-1.0
23923.437500	48.14	---	74.00	25.86	500.0	200.0	H	312.0	-1.1
25281.312500	49.02	---	74.00	24.98	500.0	200.0	V	39.0	0.0
25349.312500	---	37.75	54.00	16.25	500.0	200.0	H	0.0	-0.2

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

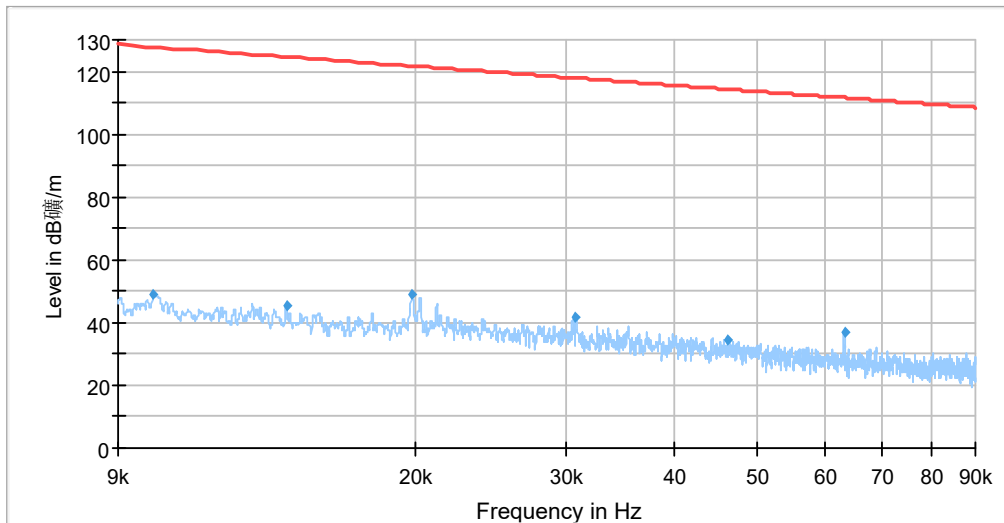
2. Margin = Limit –MAX Peak/ Average

Bluetooth LE

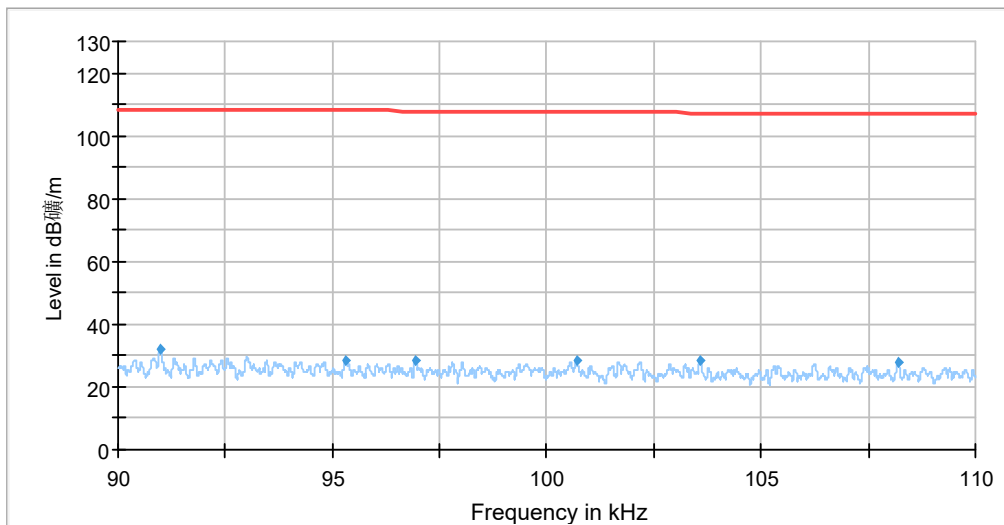
During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels, Bluetooth LE-Channel 19 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

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

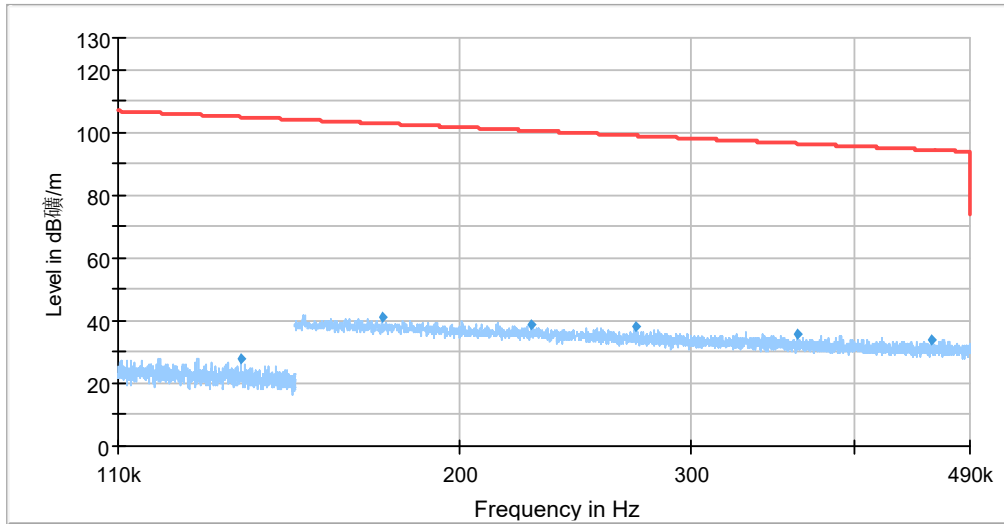
A symbol ($\text{dB}\mu\text{V/m}$) in the test plot below means ($\text{dB}\mu\text{V/m}$)



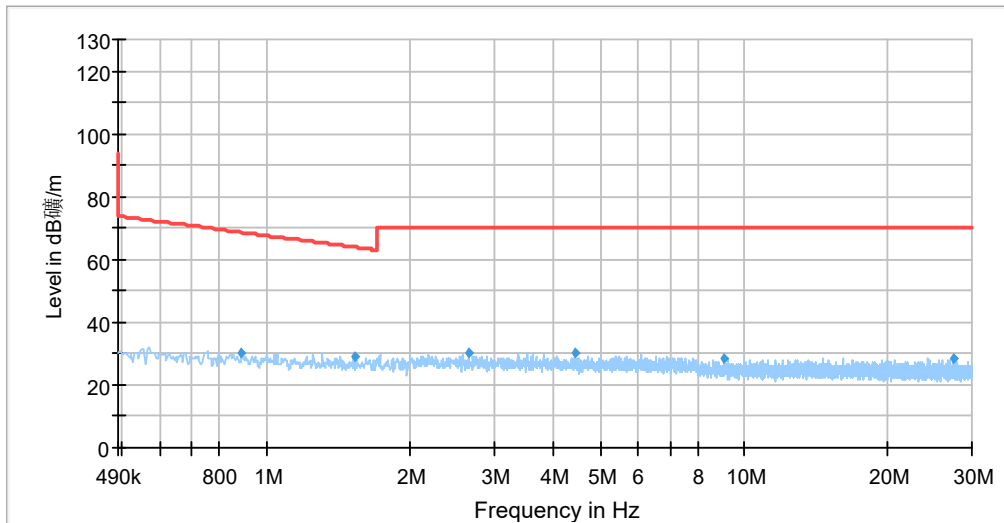
Radiates Emission from 9kHz to 90kHz



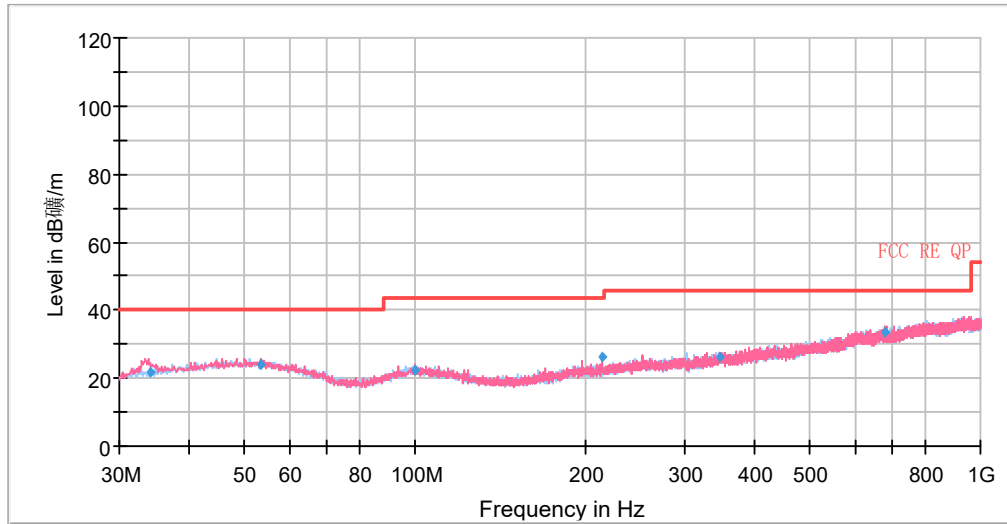
Radiates Emission from 90kHz to 110kHz



Radiates Emission from 110kHz to 490kHz



Radiates Emission from 490kHz to 30MHz



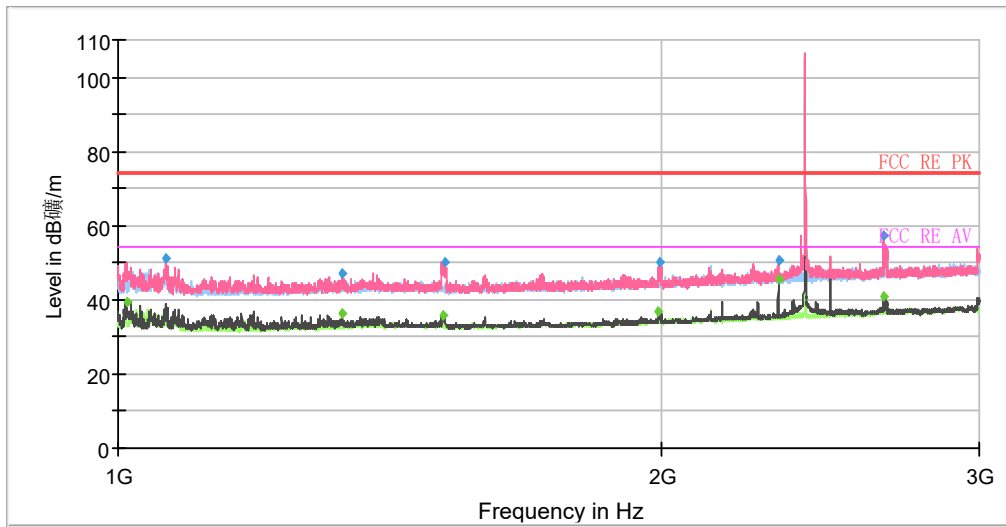
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
33.96	21.78	40.00	18.22	123.0	V	30.00	18
53.29	24.07	40.00	15.93	196.0	H	6.00	20
100.04	22.27	43.50	21.23	102.0	V	328.00	19
214.50	26.27	43.50	17.23	218.0	V	252.00	18
345.45	26.03	46.00	19.97	116.0	H	356.00	23
676.23	33.59	46.00	12.41	122.0	V	44.00	29

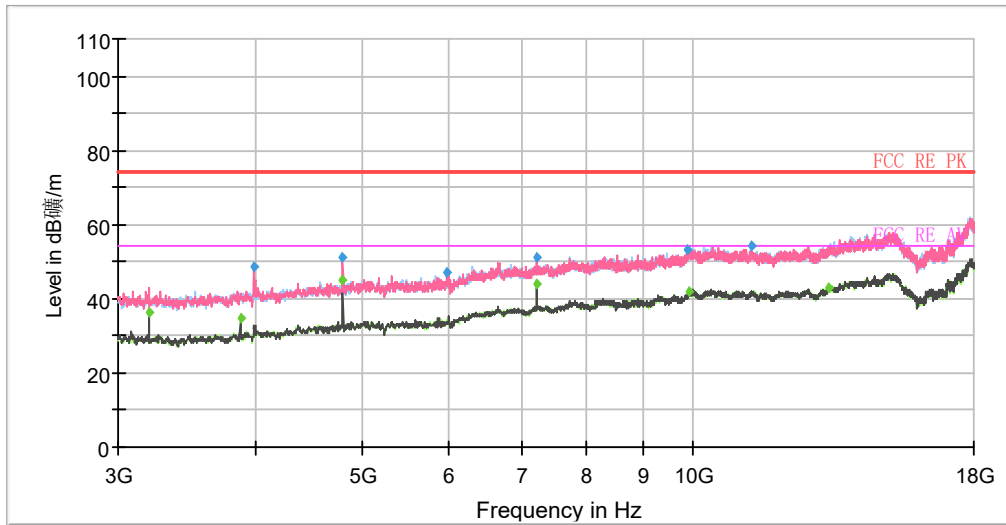
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit – Quasi-Peak

Bluetooth LE-Channel 0



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



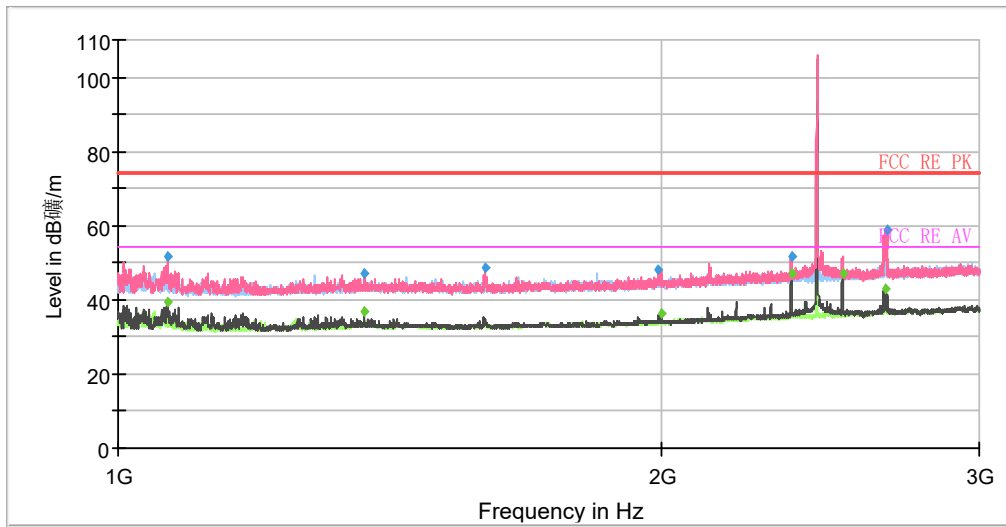
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1011.25	---	39.37	54.00	14.63	500.00	100.0	V	144.00	-3
1062.25	51.19	---	74.00	22.81	500.00	200.0	V	140.00	-3
1330.25	46.92	---	74.00	27.08	500.00	200.0	V	82.00	-1
1332.00	---	36.15	54.00	17.85	500.00	200.0	V	123.00	-1
1513.50	---	35.87	54.00	18.13	500.00	200.0	V	99.00	-1
1516.50	50.25	---	74.00	23.75	500.00	200.0	V	99.00	-1
1992.50	---	36.97	54.00	17.03	500.00	100.0	V	302.00	1
1995.75	49.89	---	74.00	24.11	500.00	100.0	V	219.00	1
2322.00	---	45.40	54.00	8.60	500.00	100.0	V	352.00	2
2322.25	50.44	---	74.00	23.56	500.00	200.0	V	20.00	2
2655.50	57.40	---	74.00	16.60	500.00	200.0	V	140.00	4
2655.75	---	40.83	54.00	13.17	500.00	200.0	V	140.00	4

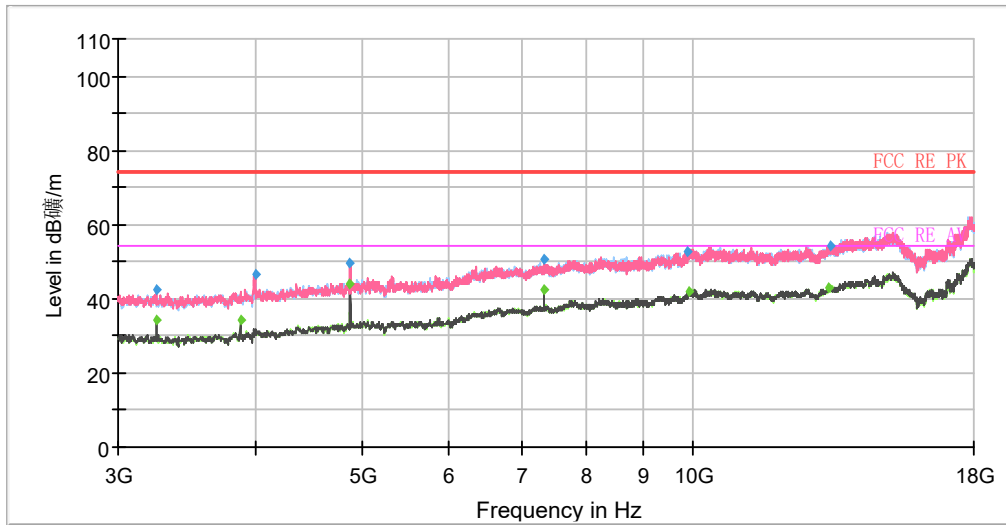
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

Bluetooth LE-Channel 19



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



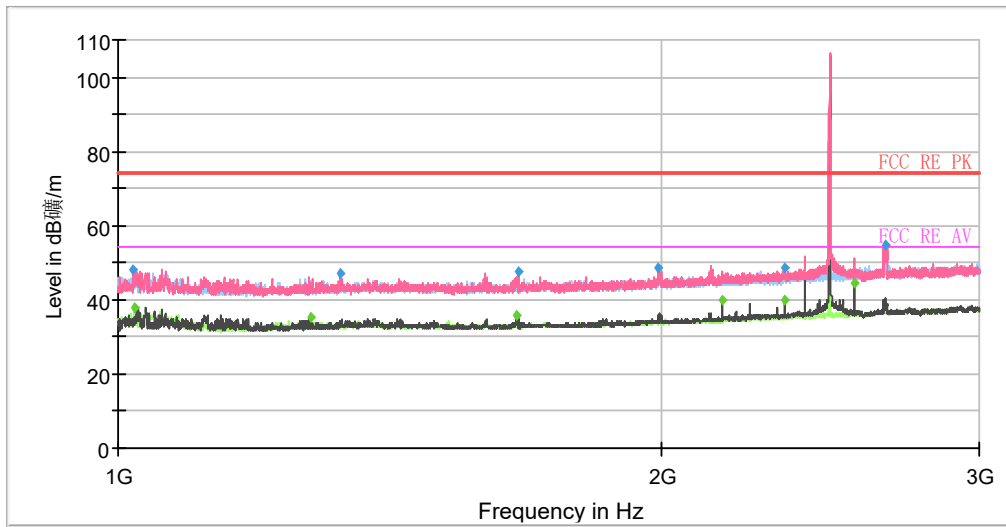
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1065.75	---	39.27	54.00	14.73	500.00	100.0	V	144.00	-3
1065.75	51.61	---	74.00	22.39	500.00	100.0	V	144.00	-3
1369.00	---	36.61	54.00	17.39	500.00	200.0	V	136.00	-1
1370.25	46.90	---	74.00	27.10	500.00	200.0	V	136.00	-1
1596.00	48.45	---	74.00	25.55	500.00	100.0	V	95.00	-1
1992.75	47.99	---	74.00	26.01	500.00	100.0	V	211.00	1
1999.50	---	36.36	54.00	17.64	500.00	100.0	V	136.00	1
2360.00	---	46.96	54.00	7.04	500.00	200.0	V	23.00	3
2360.00	51.62	---	74.00	22.38	500.00	200.0	V	23.00	3
2520.00	---	46.84	54.00	7.16	500.00	200.0	V	13.00	3
2664.75	---	43.15	54.00	10.85	500.00	200.0	V	145.00	4
2666.25	58.83	---	74.00	15.17	500.00	200.0	V	145.00	4

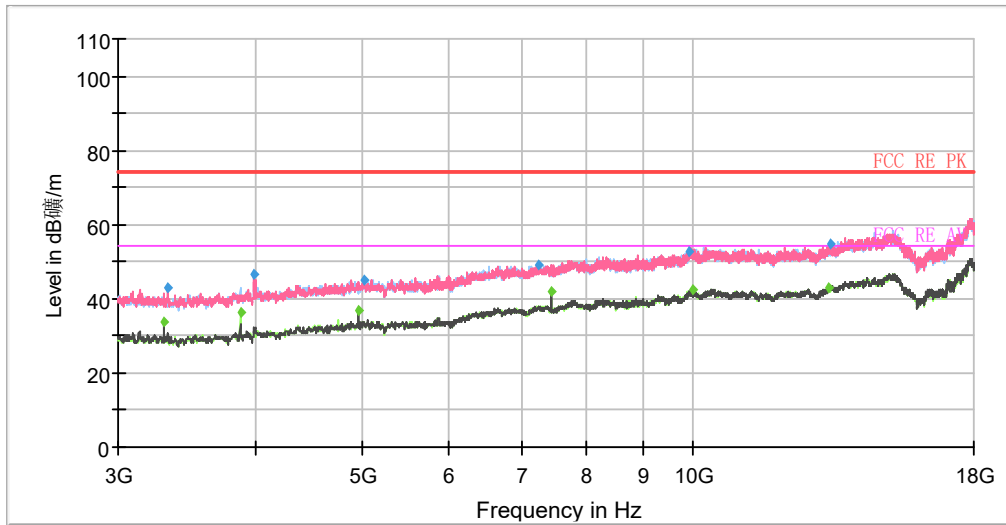
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

Bluetooth LE-Channel 39



Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz



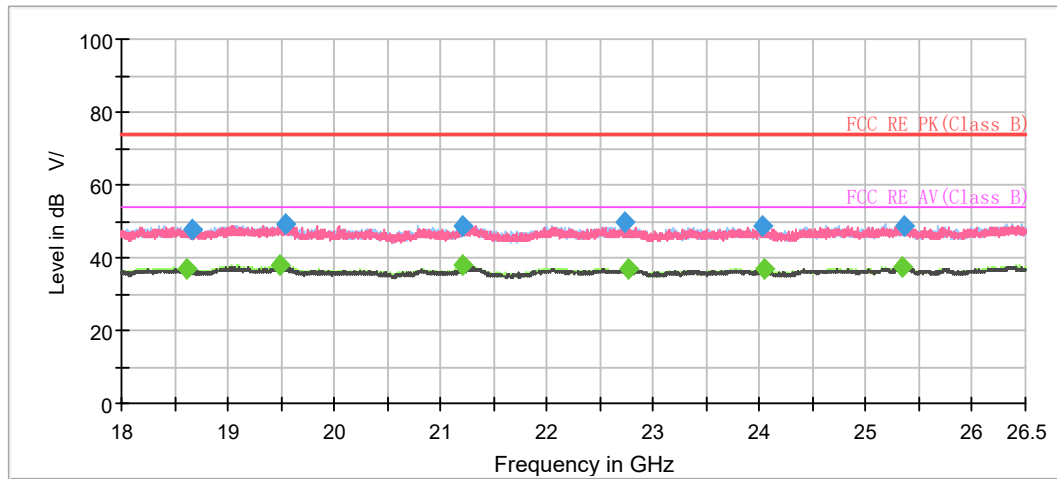
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1018.75	48.18	---	74.00	25.82	500.00	100.0	V	163.00	-3
1022.25	---	37.77	54.00	16.23	500.00	100.0	H	222.00	-3
1279.50	---	35.13	54.00	18.87	500.00	200.0	V	90.00	-2
1327.75	47.29	---	74.00	26.71	500.00	200.0	V	98.00	-1
1662.50	---	35.68	54.00	18.32	500.00	100.0	V	114.00	-1
1664.75	47.57	---	74.00	26.43	500.00	100.0	V	114.00	-1
1992.00	48.68	---	74.00	25.32	500.00	100.0	V	280.00	1
2160.00	---	39.83	54.00	14.17	500.00	200.0	V	0.00	2
2339.75	---	39.95	54.00	14.05	500.00	200.0	V	0.00	2
2340.50	48.38	---	74.00	25.62	500.00	200.0	V	57.00	2
2560.00	---	44.39	54.00	9.61	500.00	200.0	V	57.00	4
2664.75	54.74	---	74.00	19.26	500.00	200.0	V	149.00	4

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

2. Margin = Limit –MAX Peak/ Average

During the test, the Radiates Emission from 18GHz to 26.5GHz was performed in all modes with all channels, Bluetooth LE-Channel 19 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.



Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
18621.562500	---	37.14	54.00	16.86	500.0	200.0	H	0.0	-3.2
18658.750000	47.76	---	74.00	26.24	500.0	100.0	V	206.0	-3.4
19481.125000	---	37.78	54.00	16.22	500.0	200.0	H	265.0	-2.7
19543.812500	49.39	---	74.00	24.61	500.0	200.0	H	247.0	-2.9
21203.437500	48.87	---	74.00	25.13	500.0	200.0	H	0.0	-2.4
21209.812500	---	37.75	54.00	16.25	500.0	200.0	H	295.0	-2.3
22727.062500	49.87	---	74.00	24.13	500.0	200.0	H	171.0	-1.7
22758.937500	---	36.92	54.00	17.08	500.0	200.0	V	56.0	-1.6
24035.000000	48.55	---	74.00	25.45	500.0	100.0	H	85.0	-1.2
24043.500000	---	37.00	54.00	17.00	500.0	100.0	V	212.0	-1.3
25346.125000	---	37.34	54.00	16.66	500.0	200.0	H	59.0	-0.2
25364.187500	48.60	---	74.00	25.40	500.0	200.0	H	136.0	-0.2

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

2. Margin = Limit –MAX Peak/ Average

5.7. Conducted Emission

Ambient Condition

Temperature	Relative humidity
15°C ~ 35°C	20% ~ 80%

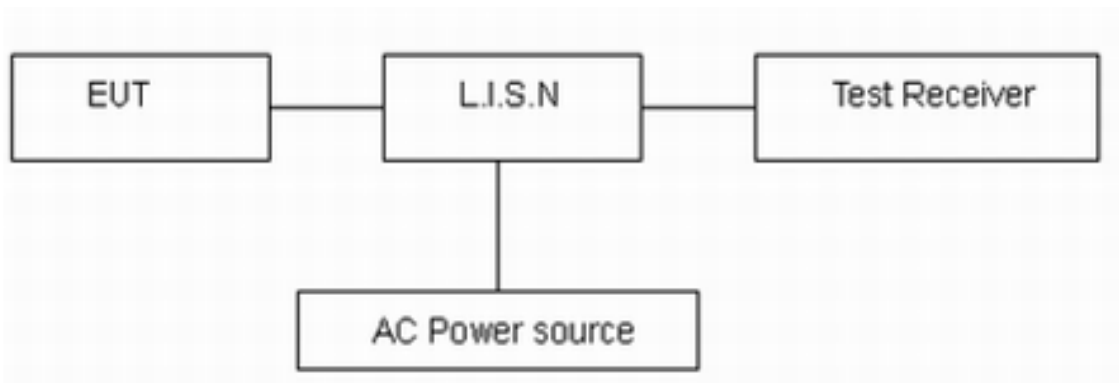
Methods of Measurement

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:

The equipment doesn't connect to public network, therefore this requirement does not apply.

6. Main Test Instruments

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
Power sensor	R&S	NRP18S	101954	2023-05-12	2024-05-11
Spectrum Analyzer	KEYSIGHT	N9020A	MY51330870	2023-05-12	2024-05-11
Unwanted Emission					
EMI Test Receiver	R&S	ESCI3	100948	2023-05-12	2024-05-11
Signal Analyzer	R&S	FSV40	101186	2023-05-12	2024-05-11
Signal Analyzer	R&S	FSV40	101298	2023-05-12	2024-05-11
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9163	01111	2022-10-25	2025-10-24
Horn Antenna	SCHWARZBECK	BBHA 9120D	430	2021-07-26	2024-07-25
Horn Antenna	ETS-Lindgren	3160-09	00102643	2021-10-10	2024-10-09
Amplifier	MicroWave	KLNA-1804 0050	220826001	2023-05-12	2024-05-11
Software	R&S	EMC32	9.26.01	/	/

ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.

ANNEX B: Test Setup Photos

The Test Setup Photos are submitted separately.

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