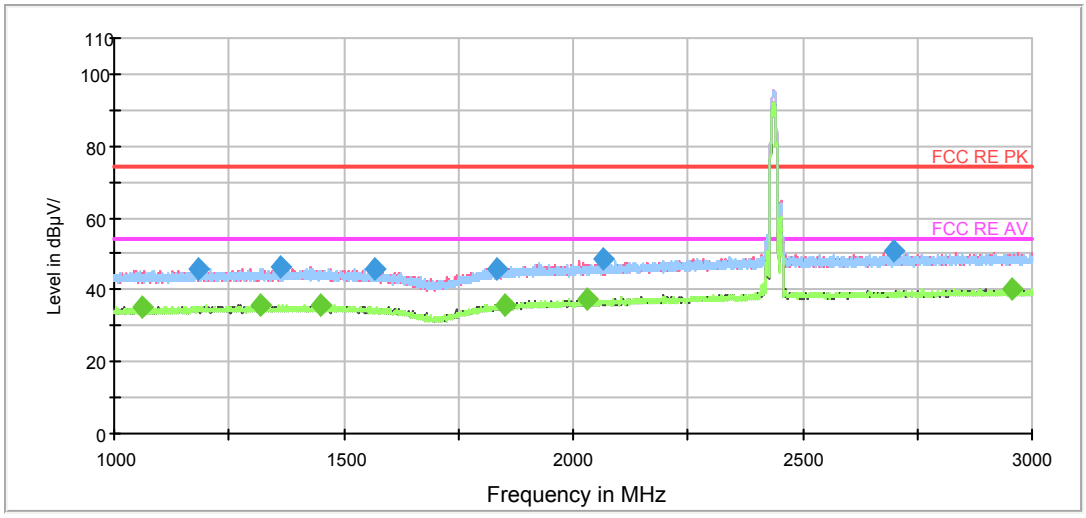
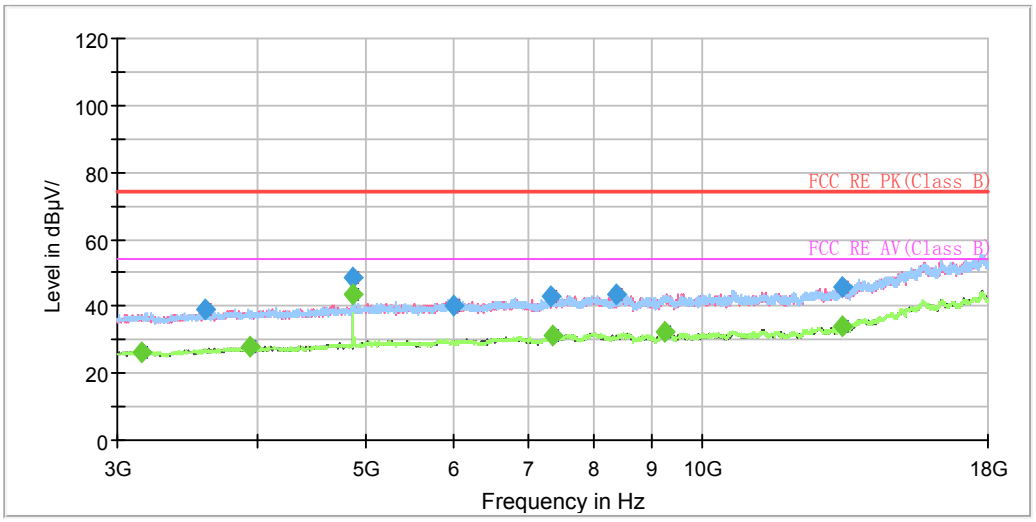
802.11b CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



Radiates Emission from 3GHz to 18GHz

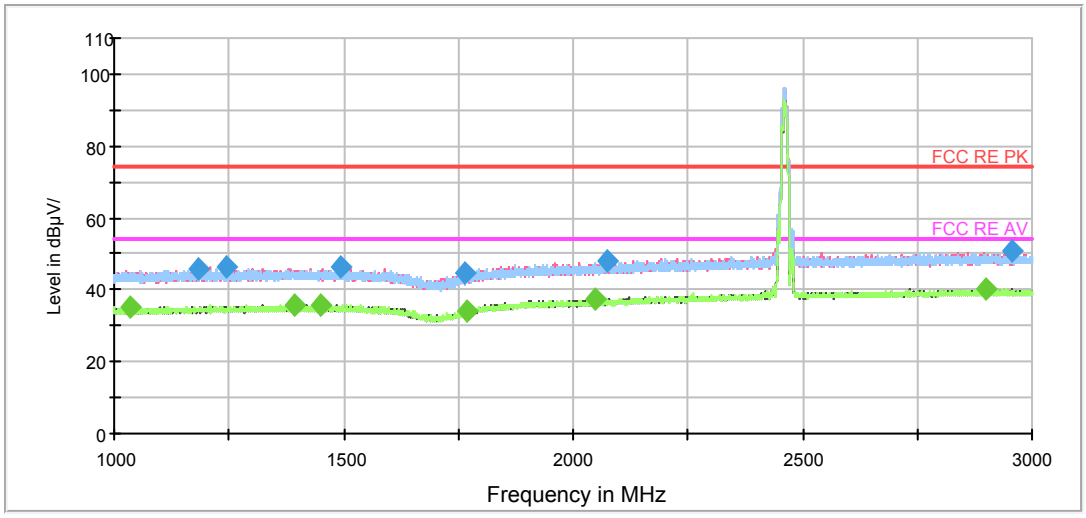
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1181.500000	45.9	100.0	H	30.0	-1.3	28.1	74.0
1361.500000	46.5	200.0	V	356.0	-0.8	27.5	74.0
1566.750000	45.6	100.0	V	289.0	-0.1	28.4	74.0
1833.250000	45.8	200.0	V	0.0	0.7	28.2	74.0
2065.750000	48.7	100.0	H	0.0	1.5	25.3	74.0
2696.750000	50.6	200.0	H	0.0	4.0	23.4	74.0

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1060.750000	35.4	200.0	H	0.0	-1.6	18.6	54.0
1318.250000	35.9	200.0	V	230.0	-0.9	18.1	54.0
1451.750000	35.5	100.0	V	191.0	-0.5	18.5	54.0
1851.500000	35.5	200.0	V	337.0	0.8	18.5	54.0
2032.250000	37.3	200.0	V	319.0	1.3	16.7	54.0
2957.750000	40.2	100.0	H	23.0	4.7	13.8	54.0

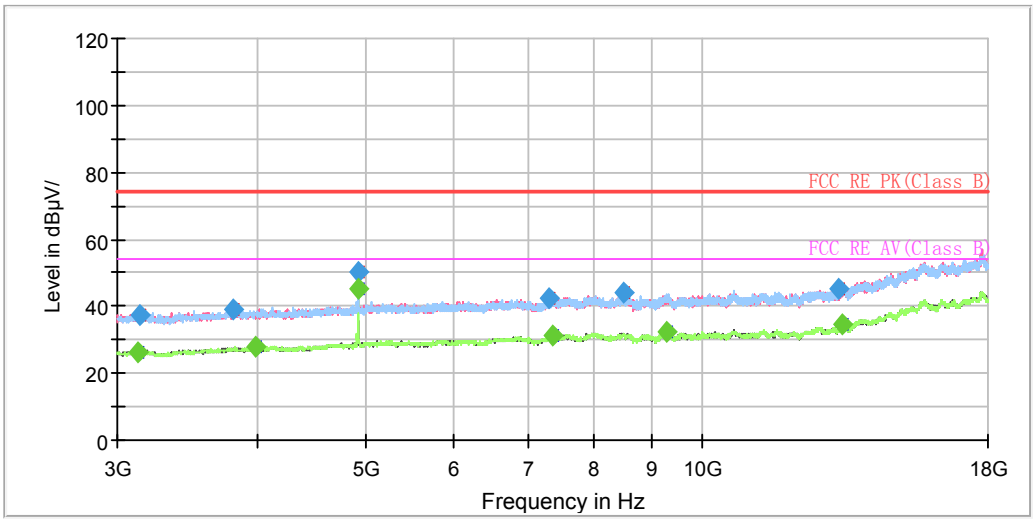
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11b CH11



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



Radiates Emission from 3GHz to 18GHz

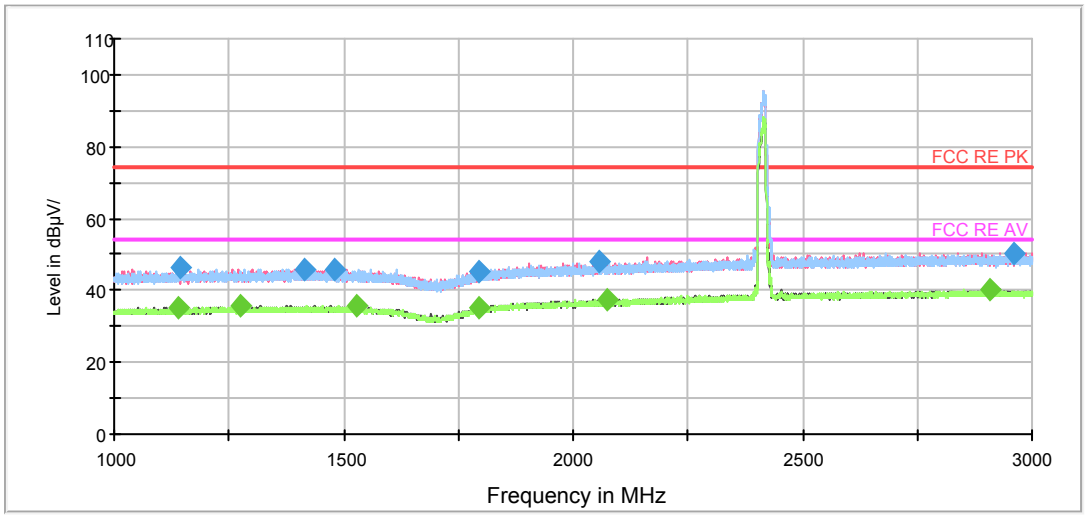
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1185.250000	45.6	100.0	V	358.0	-1.3	28.4	74.0
1242.750000	46.6	200.0	V	220.0	-1.1	27.4	74.0
1495.250000	46.1	200.0	V	21.0	-0.4	27.9	74.0
1765.500000	44.7	100.0	H	42.0	0.5	29.3	74.0
2073.500000	48.2	200.0	V	287.0	1.5	25.8	74.0
2958.500000	50.8	100.0	V	346.0	4.7	23.2	74.0

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

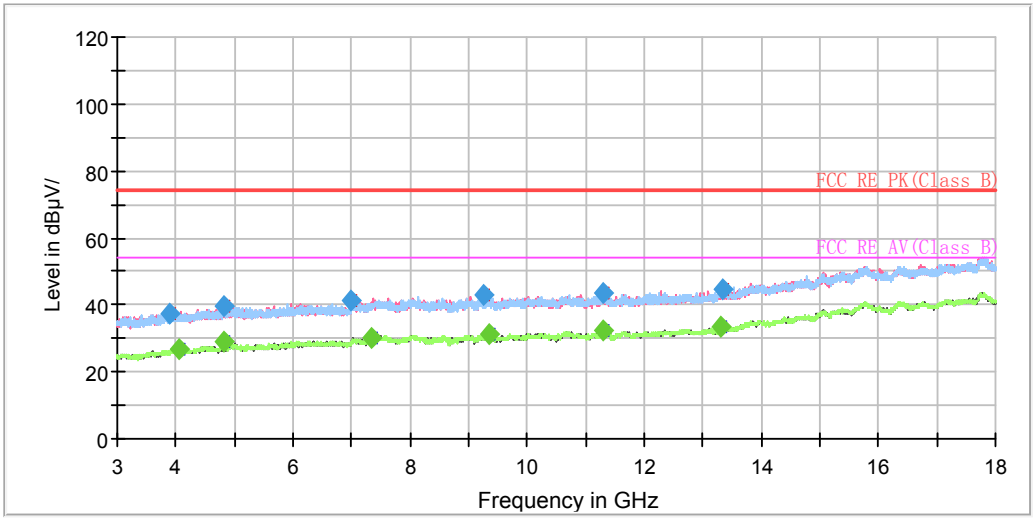
Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1034.250000	35.3	200.0	V	0.0	-1.7	18.7	54.0
1393.250000	35.7	100.0	H	25.0	-0.7	18.3	54.0
1449.500000	35.7	200.0	V	278.0	-0.6	18.3	54.0
1770.250000	34.1	100.0	H	33.0	0.6	19.9	54.0
2046.250000	37.4	100.0	H	33.0	1.4	16.6	54.0
2900.500000	40.2	200.0	H	33.0	4.5	13.8	54.0

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



Radiates Emission from 3GHz to 18GHz

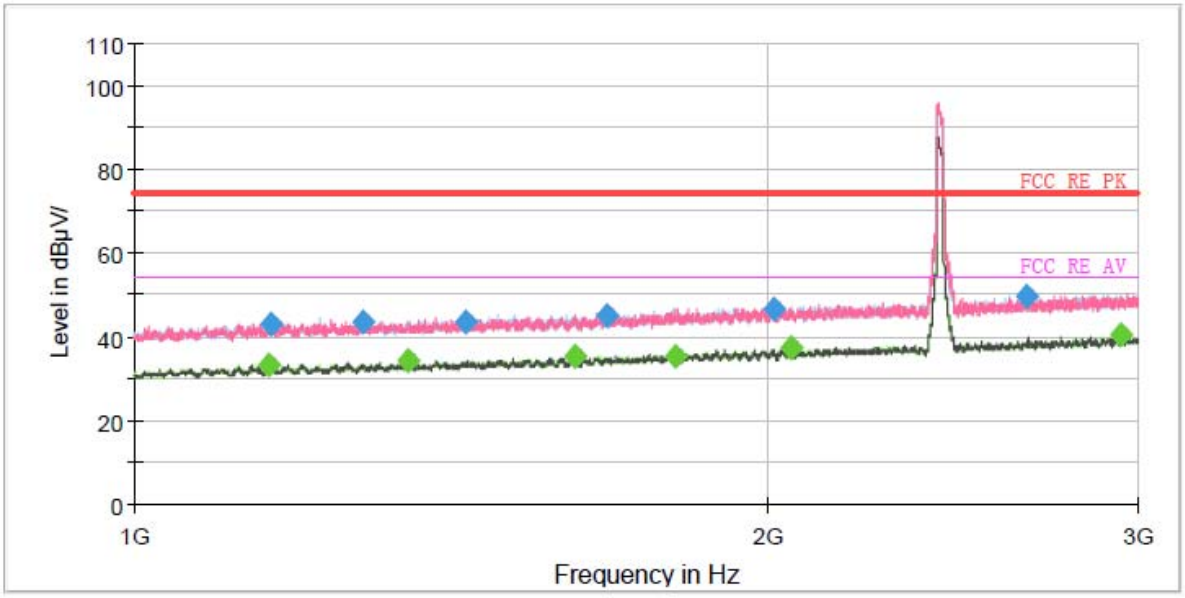
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1145.500000	46.1	100.0	H	100.0	-1.3	27.9	74.0
1416.750000	46.0	200.0	H	100.0	-0.7	28.0	74.0
1478.250000	45.9	100.0	V	250.0	-0.5	28.1	74.0
1796.750000	45.1	100.0	H	19.0	0.6	28.9	74.0
2057.000000	47.8	100.0	H	9.0	1.4	26.2	74.0
2961.000000	50.3	200.0	V	58.0	4.7	23.7	74.0

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1140.500000	35.3	100.0	V	316.0	-1.3	18.7	54.0
1276.250000	35.8	200.0	V	91.0	-1.1	18.2	54.0
1528.000000	35.9	100.0	H	148.0	-0.3	18.1	54.0
1795.750000	35.2	100.0	H	100.0	0.6	18.8	54.0
2076.000000	37.4	200.0	H	6.0	1.5	16.6	54.0
2910.000000	40.3	200.0	H	228.0	4.5	13.7	54.0

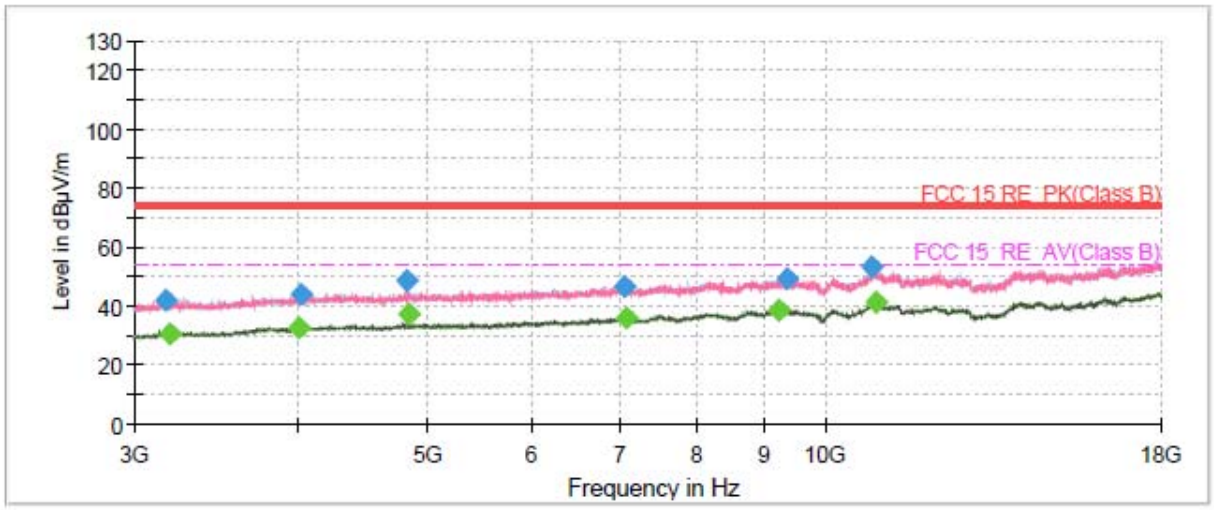
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11g CH2



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

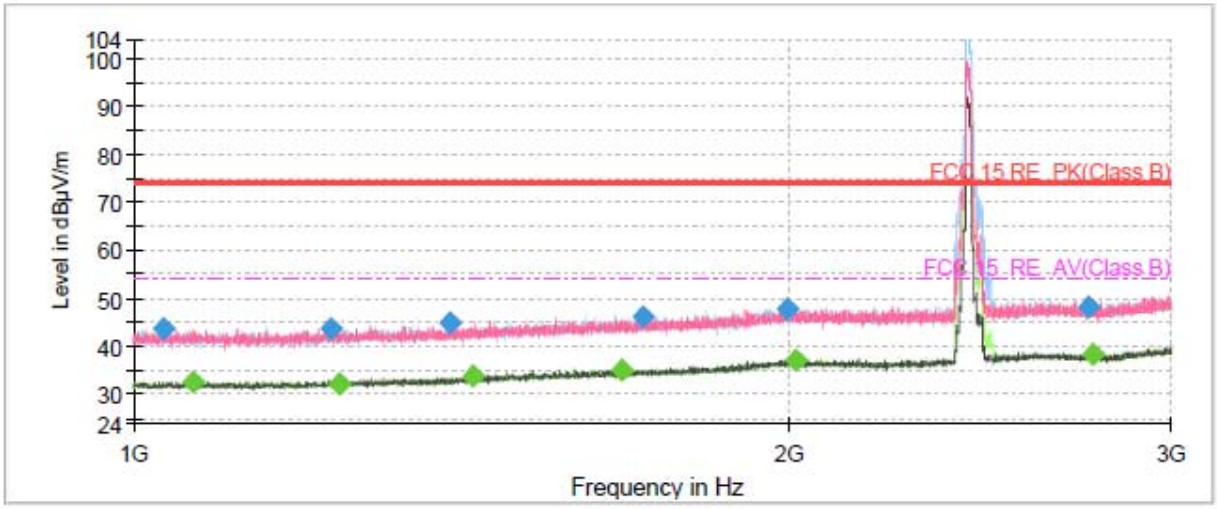


Radiates Emission from 3GHz to 18GHz

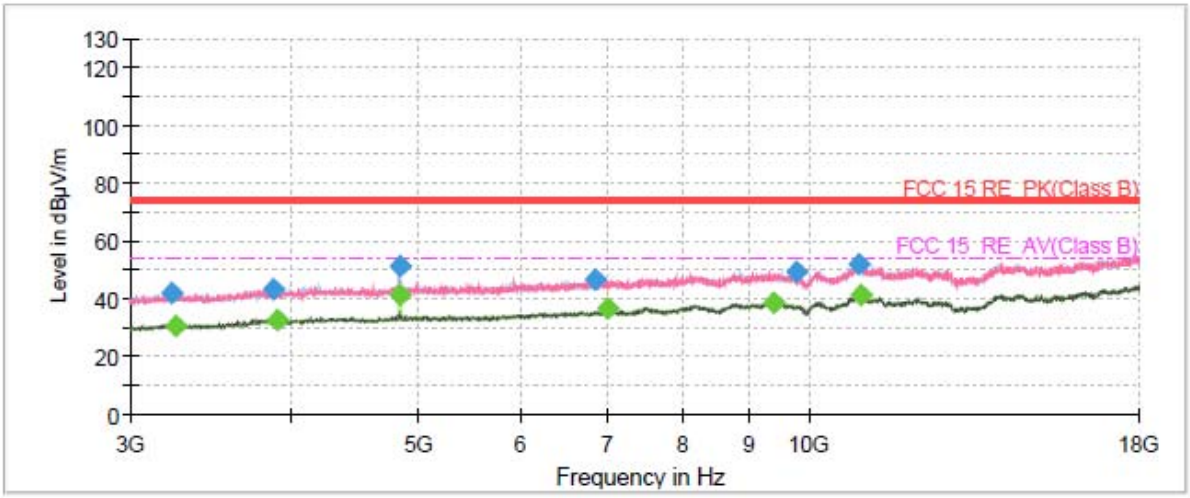
Frequency (MHz)	Peak (dBuV/m)	Average (dB μ V/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1160.250000	---	33.36	100.0	V	341.0	-10.8	20.64	54.00
1162.383750	42.82	---	100.0	H	206.0	-10.8	31.18	74.00
1284.366250	43.42	---	200.0	H	239.0	-10.0	30.58	74.00
1350.750000	---	34.23	100.0	V	226.0	-9.6	19.77	54.00
1438.570000	43.68	---	100.0	V	300.0	-9.1	30.32	74.00
1619.750000	---	35.44	200.0	V	200.0	-7.9	18.56	54.00
1676.250000	45.17	---	100.0	H	195.0	-7.5	28.83	74.00
1809.000000	---	35.53	200.0	V	241.0	-6.8	18.47	54.00
2012.500000	46.65	---	200.0	V	155.0	-5.8	27.35	74.00
2053.500000	---	37.17	100.0	V	223.0	-5.7	16.83	54.00
2659.000000	49.84	---	200.0	V	300.0	-3.4	24.16	74.00
2945.250000	---	40.20	100.0	V	0.0	-2.3	13.80	54.00

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

802.11g CH3



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

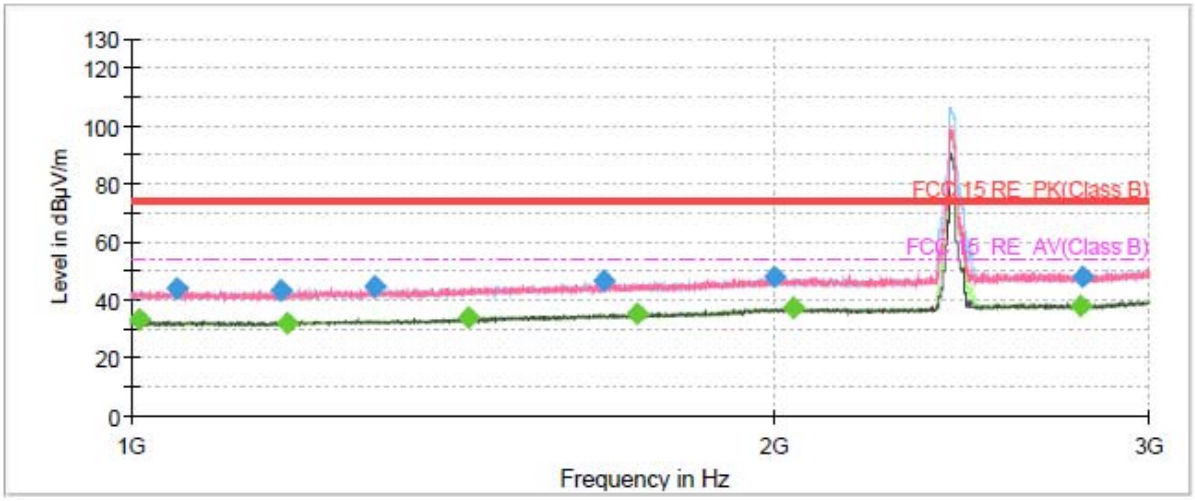


Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dB μ V/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1032.600000	43.84	---	100.0	V	280.0	-4.0	30.16	74.00
1066.000000	---	32.81	100.0	H	198.0	-4.0	21.19	54.00
1233.600000	43.71	---	200.0	H	340.0	-3.6	30.29	74.00
1242.800000	---	32.37	200.0	H	345.0	-3.6	21.63	54.00
1396.400000	44.73	---	200.0	V	124.0	-2.9	29.27	74.00
1433.600000	---	33.83	200.0	H	49.0	-2.5	20.17	54.00
1677.000000	---	35.21	200.0	V	30.0	-1.1	18.79	54.00
1715.400000	46.35	---	100.0	H	212.0	-0.9	27.65	74.00
1995.600000	47.98	---	100.0	H	317.0	1.1	26.02	74.00
2014.800000	---	37.29	200.0	H	340.0	1.1	16.71	54.00
2748.400000	48.40	---	200.0	H	200.0	2.6	25.60	74.00
2758.600000	---	38.24	100.0	V	167.0	2.6	15.76	54.00

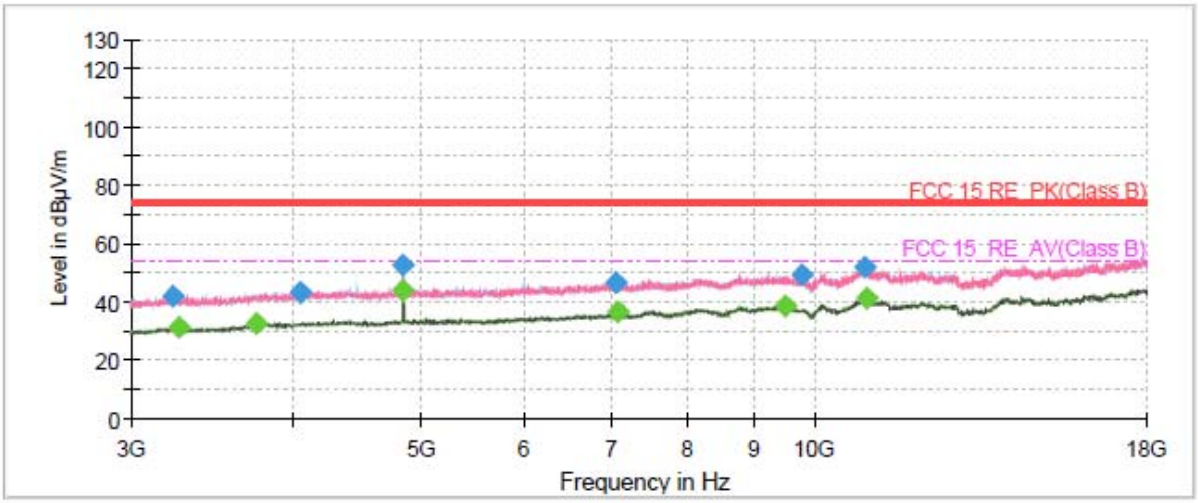
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11g CH4



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

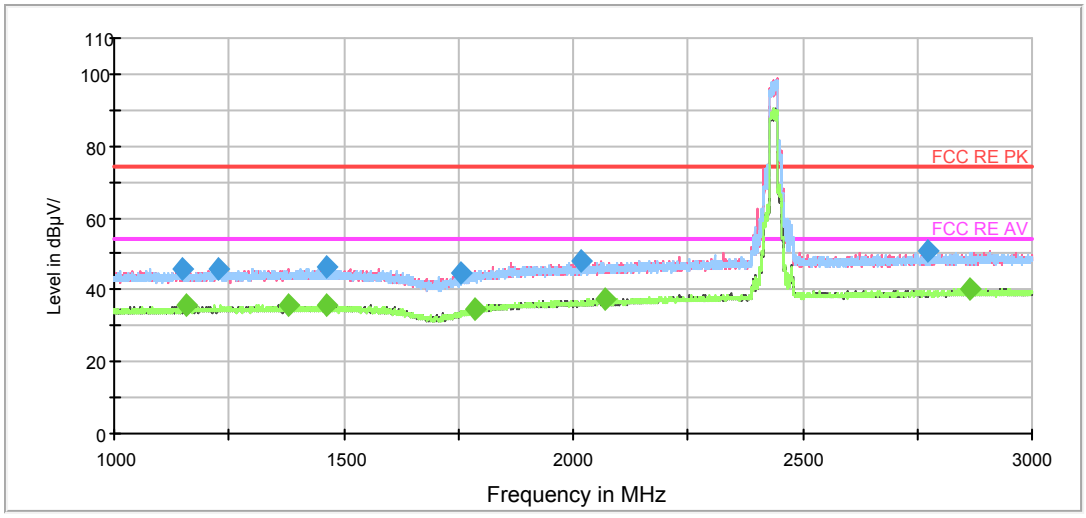


Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dB μ V/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1008.200000	---	33.19	200.0	H	301.0	-4.1	20.81	54.00
1051.600000	44.11	---	100.0	V	303.0	-4.0	29.89	74.00
1175.800000	43.11	---	200.0	V	17.0	-3.9	30.89	74.00
1184.600000	---	31.93	100.0	H	31.0	-3.9	22.07	54.00
1300.800000	44.37	---	100.0	V	350.0	-3.3	29.63	74.00
1438.800000	---	33.79	100.0	H	26.0	-2.5	20.21	54.00
1665.400000	46.38	---	200.0	H	337.0	-1.1	27.62	74.00
1727.000000	---	35.43	100.0	V	34.0	-0.9	18.57	54.00
2002.600000	47.79	---	100.0	V	322.0	1.1	26.21	74.00
2043.000000	---	37.61	100.0	H	40.0	1.1	16.39	54.00
2785.600000	---	38.14	200.0	H	356.0	2.6	15.86	54.00
2793.000000	47.97	---	100.0	V	262.0	2.5	26.03	74.00

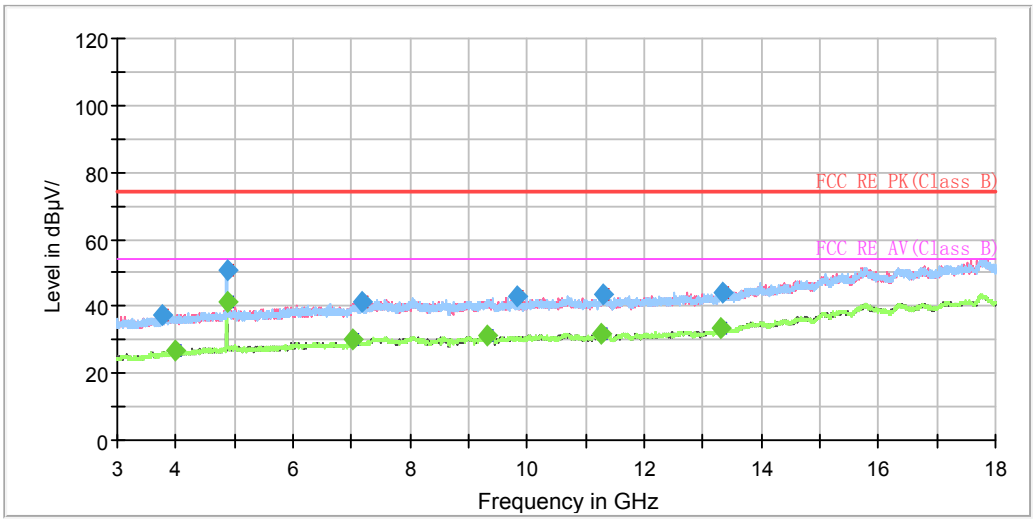
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11g CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



Radiates Emission from 3GHz to 18GHz

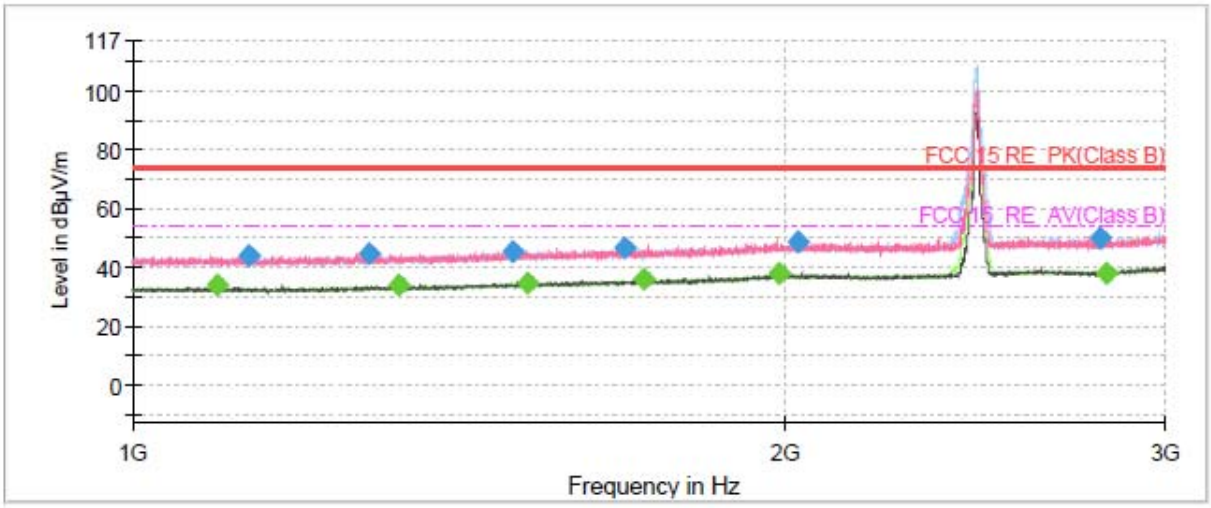
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1146.750000	45.9	200.0	V	318.0	-1.3	28.1	74.0
1225.000000	45.9	100.0	V	232.0	-1.2	28.1	74.0
1464.750000	46.2	200.0	V	290.0	-0.5	27.8	74.0
1757.250000	44.6	200.0	V	173.0	0.5	29.4	74.0
2018.250000	47.8	200.0	V	328.0	1.2	26.2	74.0
2773.250000	50.8	100.0	V	310.0	4.2	23.2	74.0

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1158.000000	35.5	200.0	V	356.0	-1.3	18.5	54.0
1379.500000	35.7	100.0	H	138.0	-0.7	18.3	54.0
1464.000000	35.6	100.0	V	358.0	-0.5	18.4	54.0
1785.000000	34.8	100.0	V	262.0	0.6	19.2	54.0
2069.000000	37.3	200.0	H	168.0	1.5	16.7	54.0
2865.000000	40.2	200.0	V	359.0	4.4	13.8	54.0

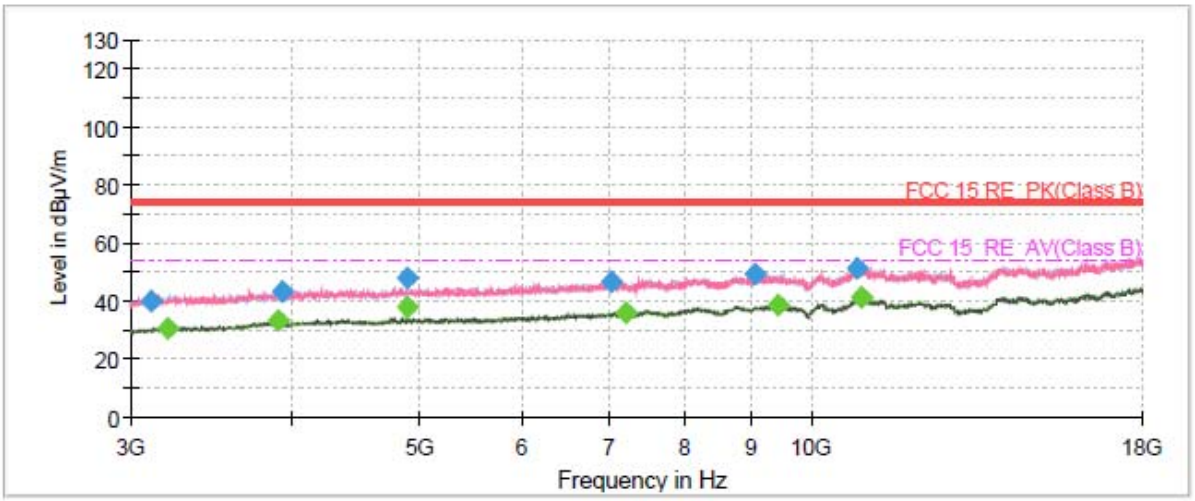
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11g CH9



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

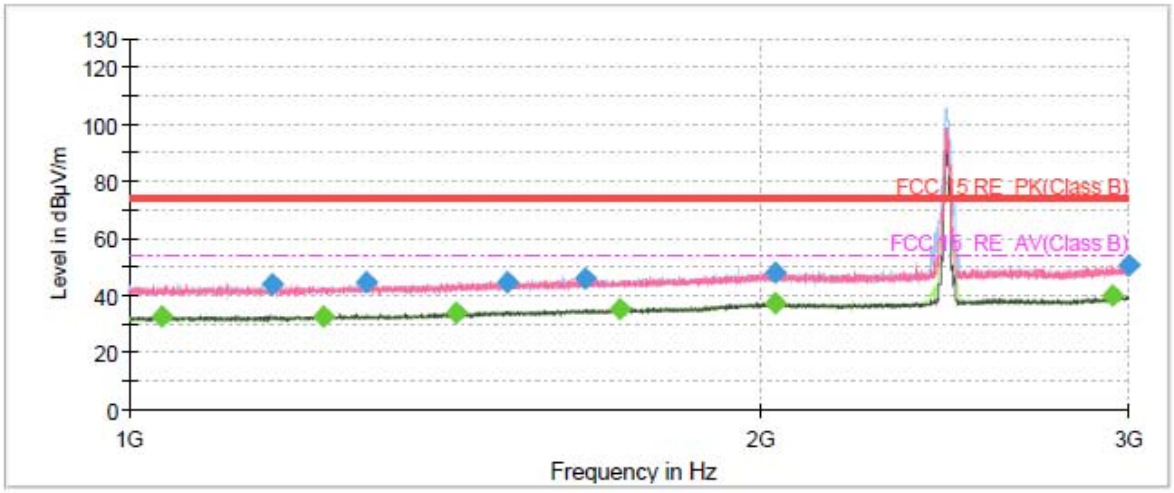


Radiates Emission from 3GHz to 18GHz

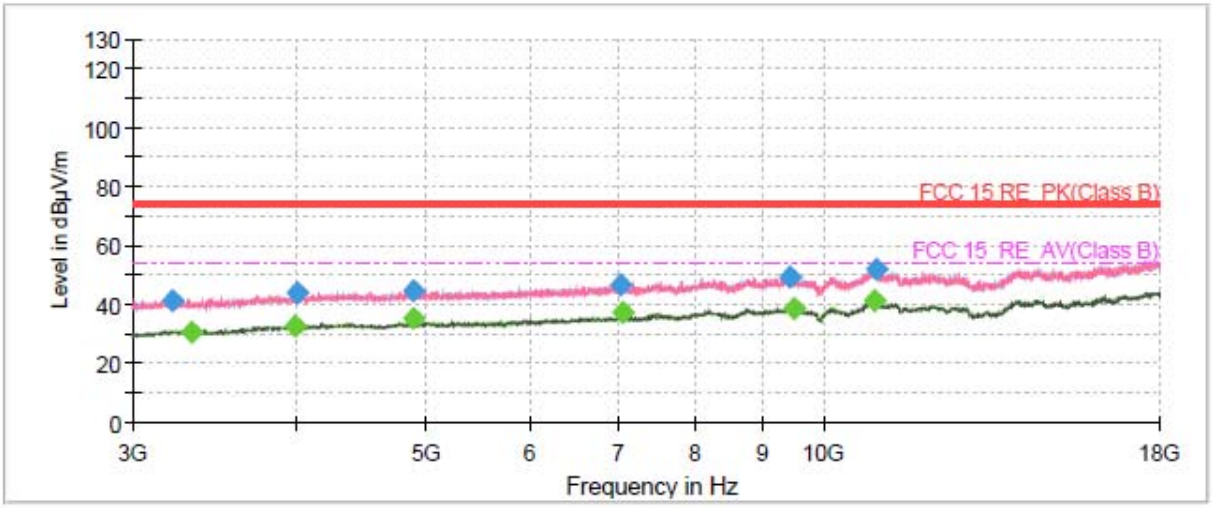
Frequency (MHz)	Peak (dBuV/m)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1095.000000	---	33.34	100.0	V	131.0	-4.0	20.66	54.00
1130.600000	43.46	---	200.0	H	140.0	-4.0	30.54	74.00
1286.000000	44.41	---	100.0	V	117.0	-3.3	29.59	74.00
1326.800000	---	33.62	200.0	H	257.0	-3.2	20.38	54.00
1499.600000	45.11	---	200.0	V	90.0	-2.1	28.89	74.00
1520.600000	---	34.44	200.0	V	48.0	-1.9	19.56	54.00
1688.800000	46.39	---	100.0	H	95.0	-1.0	27.61	74.00
1723.000000	---	35.35	100.0	H	95.0	-0.9	18.65	54.00
1988.800000	---	37.45	100.0	H	114.0	1.0	16.55	54.00
2030.200000	48.35	---	200.0	V	133.0	1.1	25.65	74.00
2797.600000	49.41	---	200.0	V	7.0	2.5	24.59	74.00
2819.000000	---	37.89	200.0	H	106.0	2.7	16.11	54.00

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

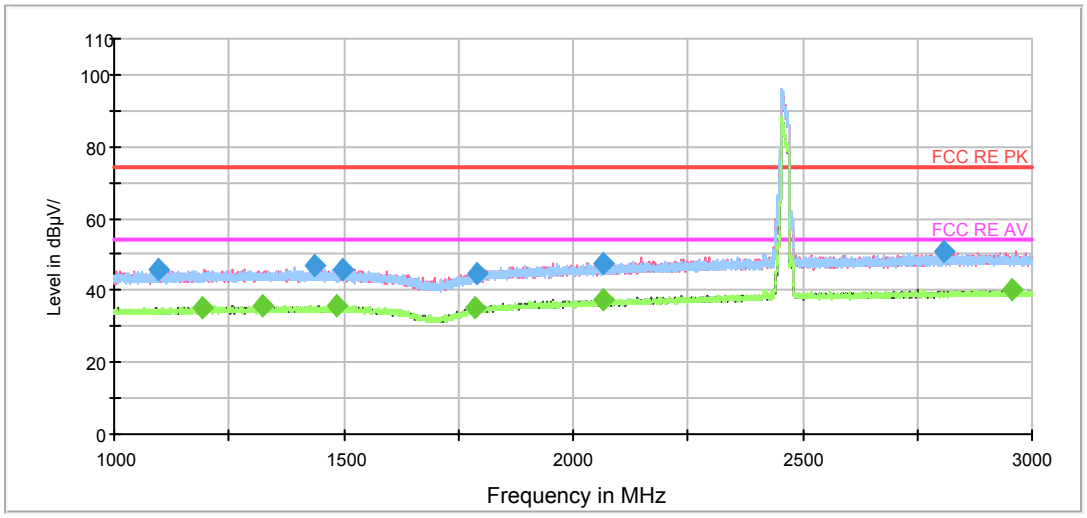


Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dB μ V/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1036.600000	---	32.85	200.0	H	23.0	-4.0	21.15	54.00
1169.200000	44.03	---	200.0	H	182.0	-3.9	29.97	74.00
1237.400000	---	32.64	100.0	H	62.0	-3.6	21.36	54.00
1297.200000	44.64	---	100.0	V	290.0	-3.3	29.36	74.00
1432.200000	---	33.80	200.0	H	38.0	-2.6	20.20	54.00
1516.400000	44.71	---	100.0	H	71.0	-2.0	29.29	74.00
1650.200000	46.08	---	100.0	H	24.0	-1.2	27.92	74.00
1713.200000	---	35.61	200.0	V	157.0	-1.0	18.39	54.00
2034.600000	---	37.59	100.0	V	215.0	1.1	16.41	54.00
2034.800000	48.25	---	100.0	H	52.0	1.1	25.75	74.00
2947.600000	---	39.79	200.0	H	196.0	3.7	14.21	54.00
2997.000000	50.92	---	100.0	H	291.0	4.1	23.08	74.00

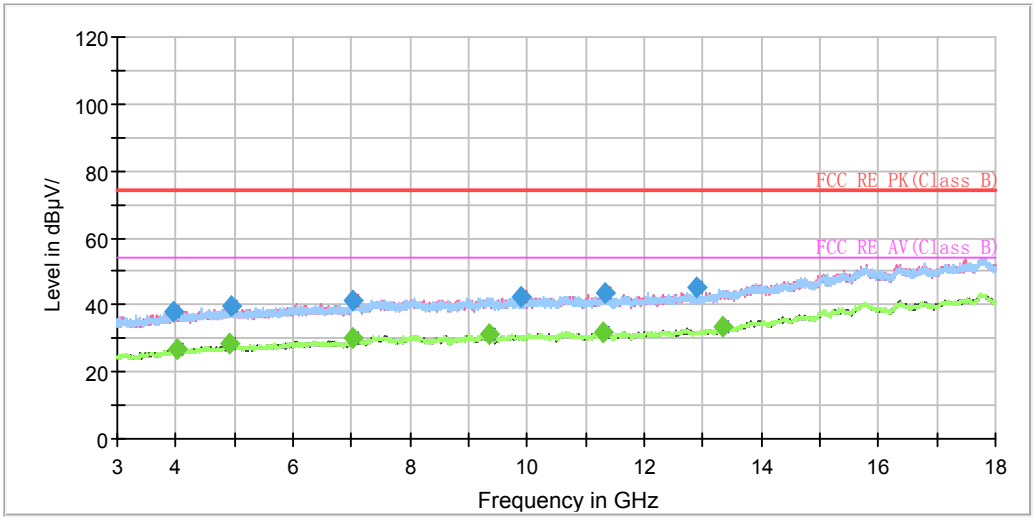
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11g CH11



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



Radiates Emission from 3GHz to 18GHz

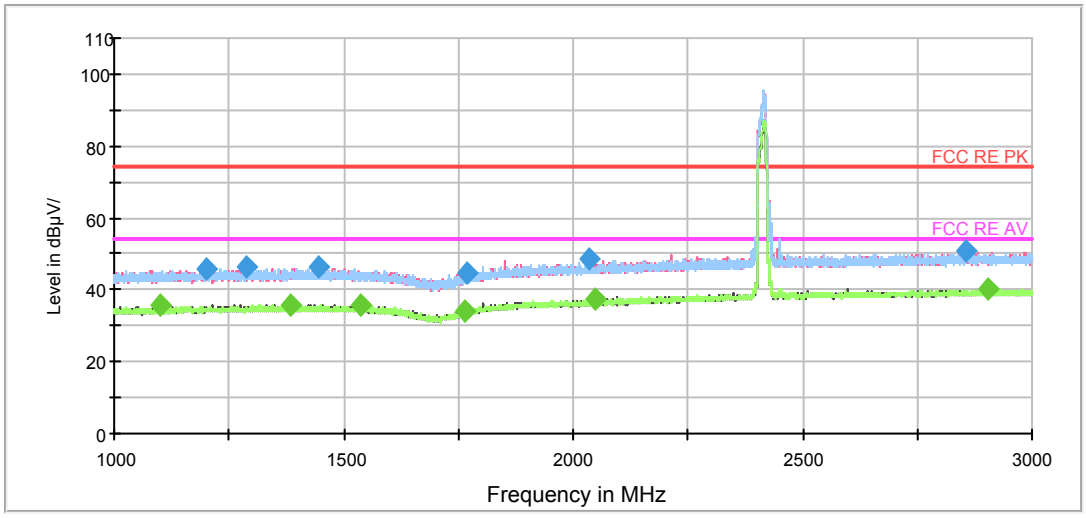
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1098.000000	45.8	200.0	V	260.0	-1.4	28.2	74.0
1435.250000	46.7	200.0	H	325.0	-0.6	27.3	74.0
1499.000000	45.9	100.0	V	121.0	-0.4	28.1	74.0
1791.750000	44.9	100.0	H	6.0	0.6	29.1	74.0
2067.250000	47.7	200.0	H	0.0	1.5	26.3	74.0
2810.000000	51.0	100.0	V	327.0	4.3	23.0	74.0

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1193.500000	35.3	100.0	H	138.0	-1.2	18.7	54.0
1323.250000	36.0	100.0	H	24.0	-0.9	18.0	54.0
1483.250000	35.7	200.0	H	188.0	-0.5	18.3	54.0
1787.500000	35.0	200.0	V	318.0	0.6	19.0	54.0
2066.500000	37.6	200.0	H	313.0	1.5	16.4	54.0
2954.500000	40.4	200.0	H	89.0	4.7	13.6	54.0

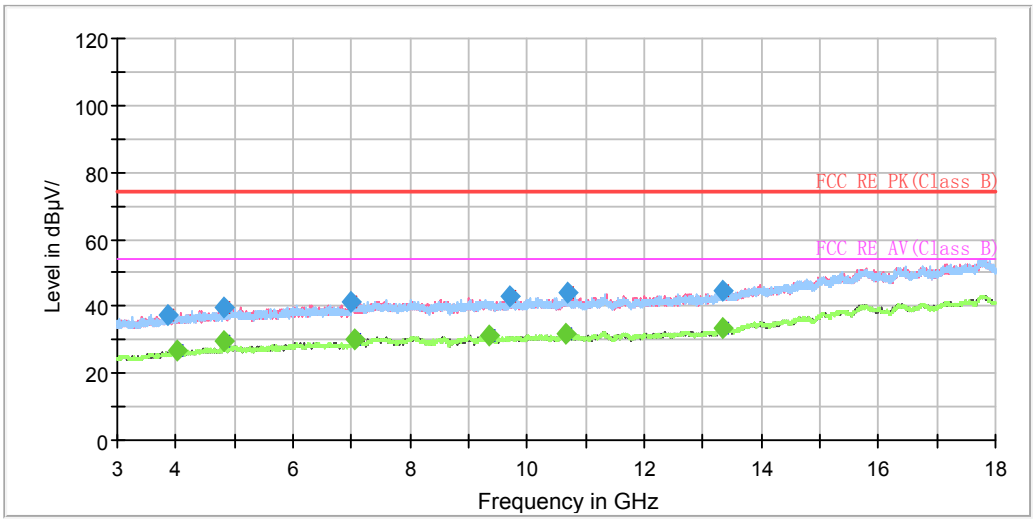
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT20) CH1



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1199.750000	45.7	100.0	H	198.0	-1.2	28.3	74.0
1288.250000	46.4	100.0	V	356.0	-1.0	27.6	74.0
1447.500000	46.1	100.0	V	162.0	-0.6	27.9	74.0
1769.500000	44.9	200.0	H	1.0	0.5	29.1	74.0
2034.500000	48.6	100.0	H	228.0	1.3	25.4	74.0
2855.750000	50.6	100.0	V	122.0	4.4	23.4	74.0

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

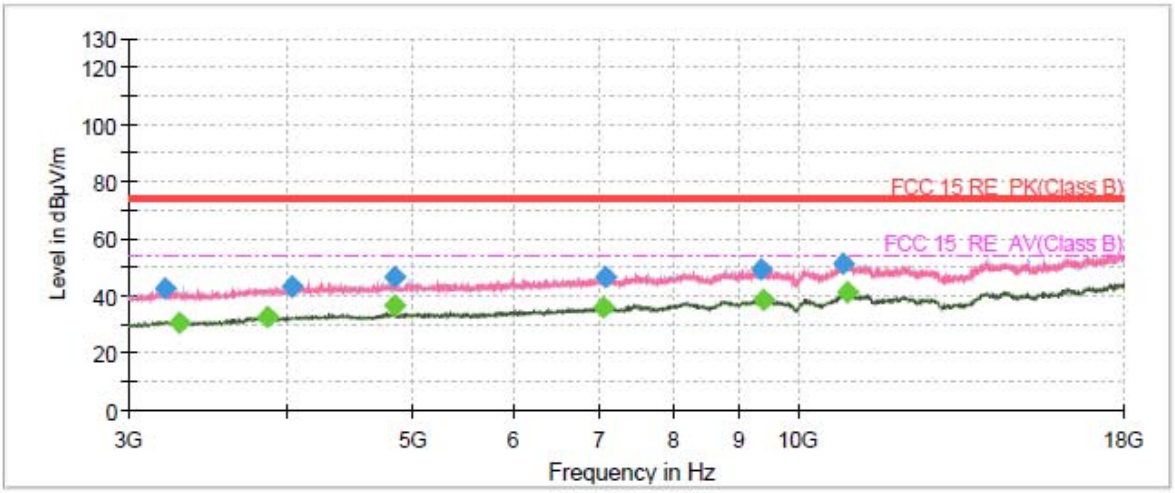
Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1100.500000	35.5	200.0	H	29.0	-1.4	18.5	54.0
1382.500000	35.9	100.0	H	47.0	-0.7	18.1	54.0
1538.500000	35.7	200.0	H	57.0	-0.3	18.3	54.0
1764.500000	33.8	100.0	H	16.0	0.5	20.2	54.0
2048.750000	37.3	200.0	H	228.0	1.4	16.7	54.0
2903.500000	40.4	100.0	V	59.0	4.5	13.6	54.0

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

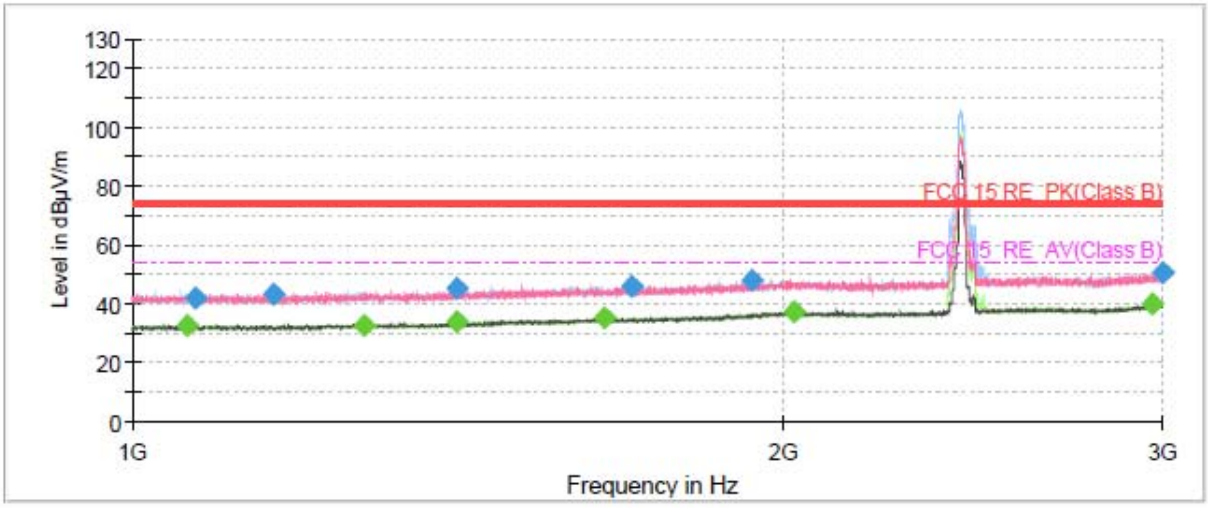


Radiates Emission from 3GHz to 18GHz

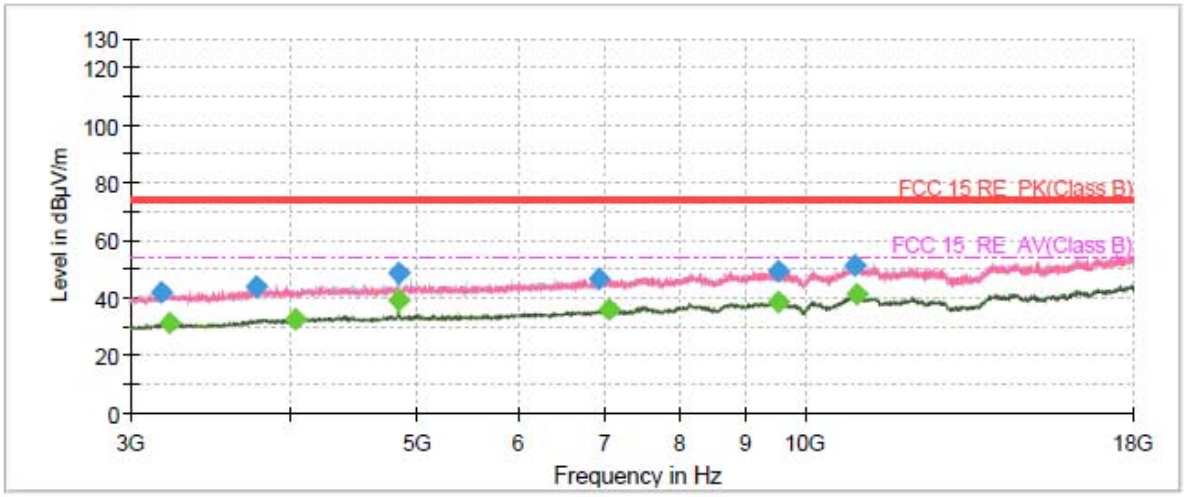
Frequency (MHz)	Peak (dBuV/m)	Average (dB μ V/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1033.200000	---	32.90	200.0	V	152.0	-4.0	21.10	54.00
1140.000000	43.75	---	100.0	V	187.0	-4.0	30.26	74.00
1222.600000	43.61	---	200.0	V	58.0	-3.7	30.39	74.00
1223.800000	---	32.15	200.0	H	184.0	-3.7	21.85	54.00
1406.800000	44.48	---	100.0	H	181.0	-2.8	29.52	74.00
1433.200000	---	34.16	100.0	V	229.0	-2.5	19.84	54.00
1712.200000	46.65	---	200.0	H	262.0	-1.0	27.35	74.00
1716.200000	---	35.32	100.0	H	21.0	-0.9	18.68	54.00
1997.600000	---	37.79	100.0	V	219.0	1.1	16.21	54.00
2015.200000	48.49	---	200.0	V	115.0	1.1	25.51	74.00
2978.800000	---	39.89	100.0	V	280.0	3.9	14.11	54.00
2996.800000	50.60	---	200.0	V	58.0	4.1	23.40	74.00

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

802.11n (HT20) CH3



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

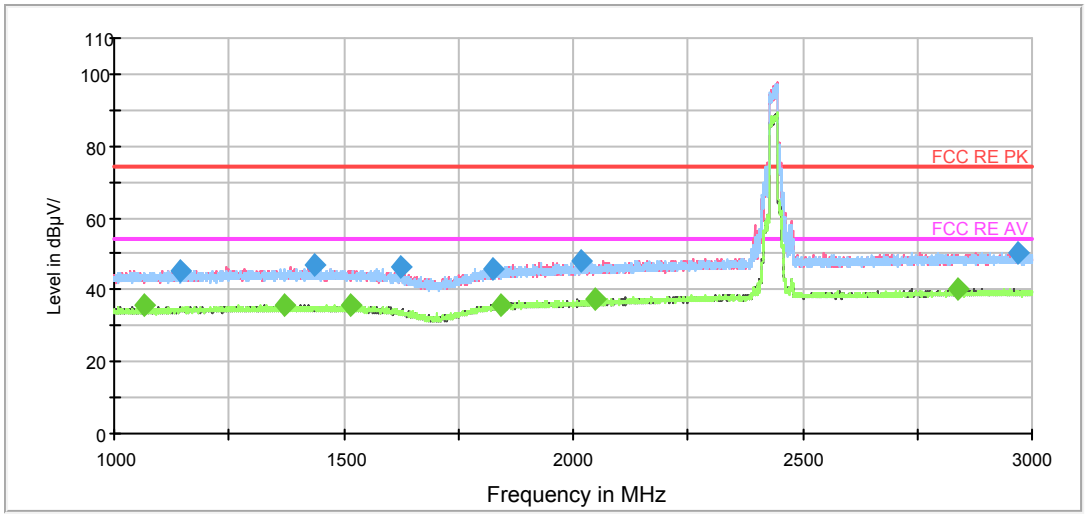


Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dB μ V/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1059.000000	---	32.96	200.0	V	68.0	-4.0	21.04	54.00
1070.200000	42.15	---	100.0	H	184.0	-4.0	31.85	74.00
1161.200000	43.66	---	200.0	V	96.0	-3.9	30.34	74.00
1280.200000	---	32.39	200.0	H	210.0	-3.4	21.61	54.00
1412.800000	45.10	---	200.0	H	0.0	-2.7	28.90	74.00
1413.200000	---	34.01	100.0	V	139.0	-2.7	19.99	54.00
1655.200000	---	35.41	100.0	V	334.0	-1.2	18.59	54.00
1704.600000	46.28	---	200.0	V	16.0	-1.0	27.72	74.00
1935.000000	48.19	---	200.0	H	64.0	0.5	25.81	74.00
2023.000000	---	37.34	200.0	H	347.0	1.1	16.66	54.00
2969.400000	---	40.09	200.0	V	262.0	3.9	13.91	54.00
2999.000000	50.55	---	200.0	V	20.0	4.1	23.45	74.00

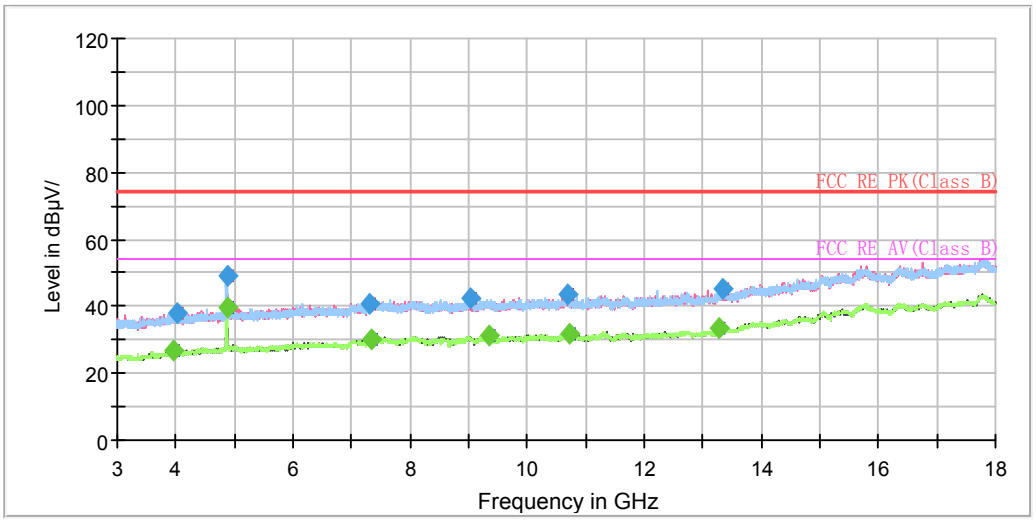
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT20) CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



Radiates Emission from 3GHz to 18GHz

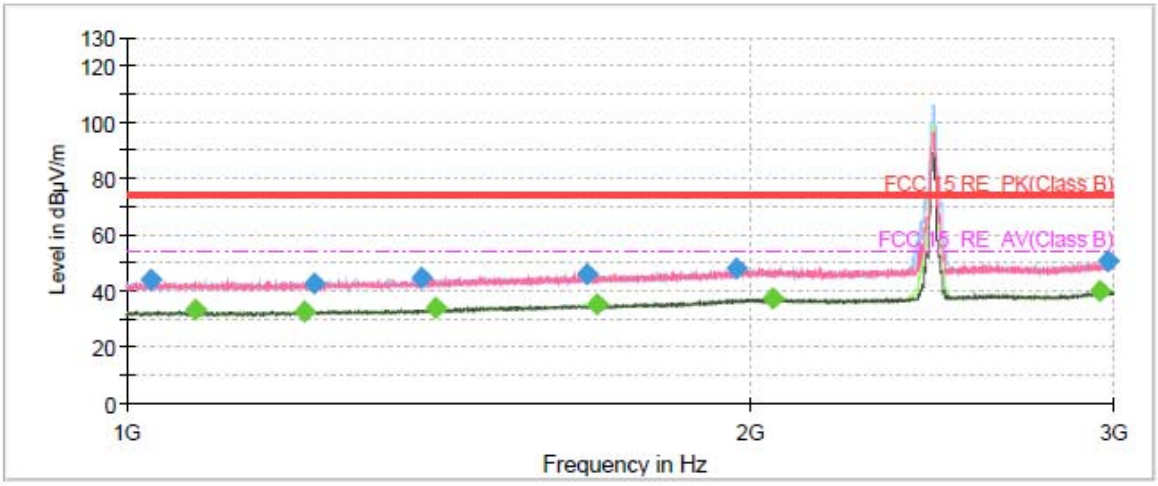
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1142.750000	45.3	100.0	V	351.0	-1.3	28.7	74.0
1437.500000	46.7	100.0	V	288.0	-0.6	27.3	74.0
1622.750000	46.3	200.0	H	158.0	0.1	27.7	74.0
1824.750000	45.6	100.0	V	356.0	0.7	28.4	74.0
2018.750000	48.2	200.0	H	188.0	1.2	25.8	74.0
2967.750000	50.5	100.0	V	172.0	4.7	23.5	74.0

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1067.250000	35.8	200.0	V	220.0	-1.5	18.2	54.0
1372.500000	35.9	100.0	V	351.0	-0.8	18.1	54.0
1513.250000	35.7	100.0	V	201.0	-0.4	18.3	54.0
1842.750000	35.5	200.0	V	354.0	0.7	18.5	54.0
2048.250000	37.2	200.0	V	230.0	1.4	16.8	54.0
2840.000000	40.3	100.0	H	3.0	4.4	13.7	54.0

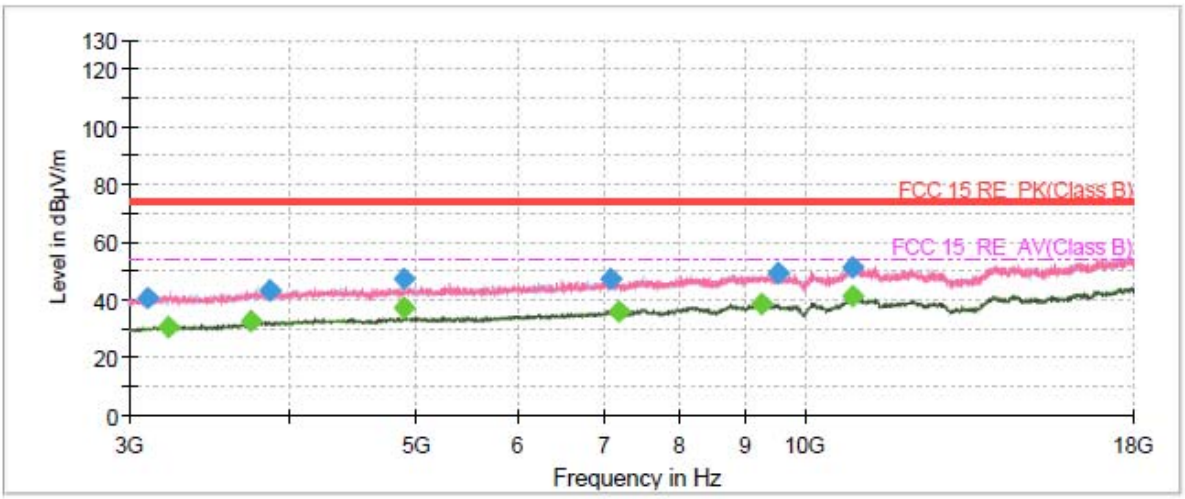
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT20) CH9



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

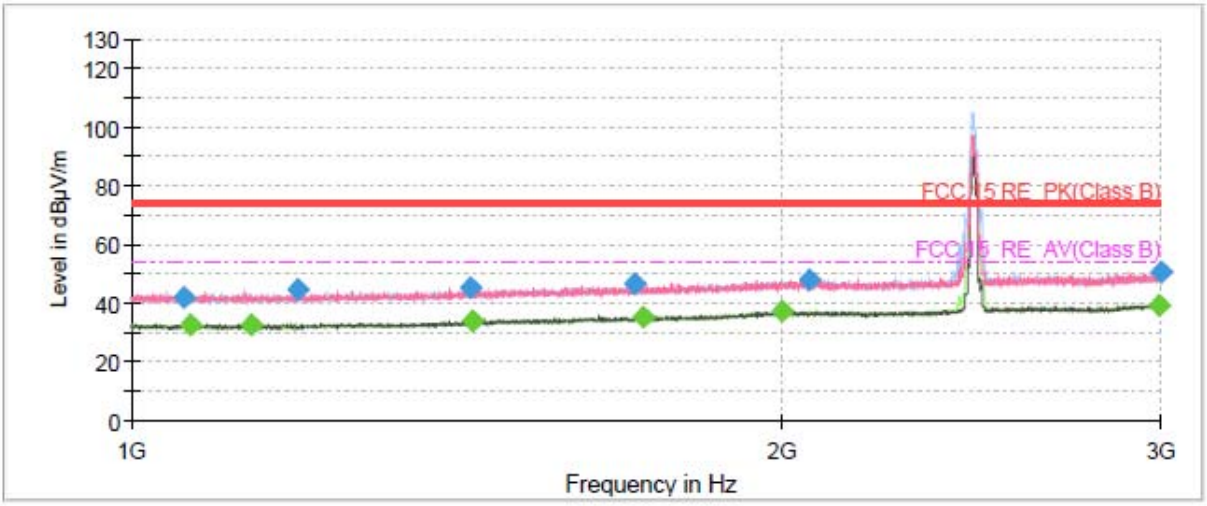


Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dB μ V/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1028.200000	43.76	---	200.0	H	133.0	-4.1	30.24	74.00
1079.400000	---	33.30	100.0	H	114.0	-4.0	20.70	54.00
1219.400000	---	32.99	200.0	V	142.0	-3.7	21.01	54.00
1233.400000	42.72	---	200.0	H	308.0	-3.6	31.28	74.00
1388.000000	44.78	---	200.0	V	5.0	-2.9	29.22	74.00
1411.000000	---	33.95	200.0	H	30.0	-2.7	20.05	54.00
1669.200000	46.25	---	100.0	V	99.0	-1.1	27.75	74.00
1686.200000	---	35.51	100.0	V	40.0	-1.1	18.49	54.00
1970.000000	48.28	---	200.0	V	94.0	0.8	25.72	74.00
2052.000000	---	37.56	100.0	V	359.0	1.1	16.44	54.00
2953.400000	---	39.90	200.0	H	0.0	3.8	14.10	54.00
2979.000000	50.42	---	100.0	H	16.0	3.9	23.58	74.00

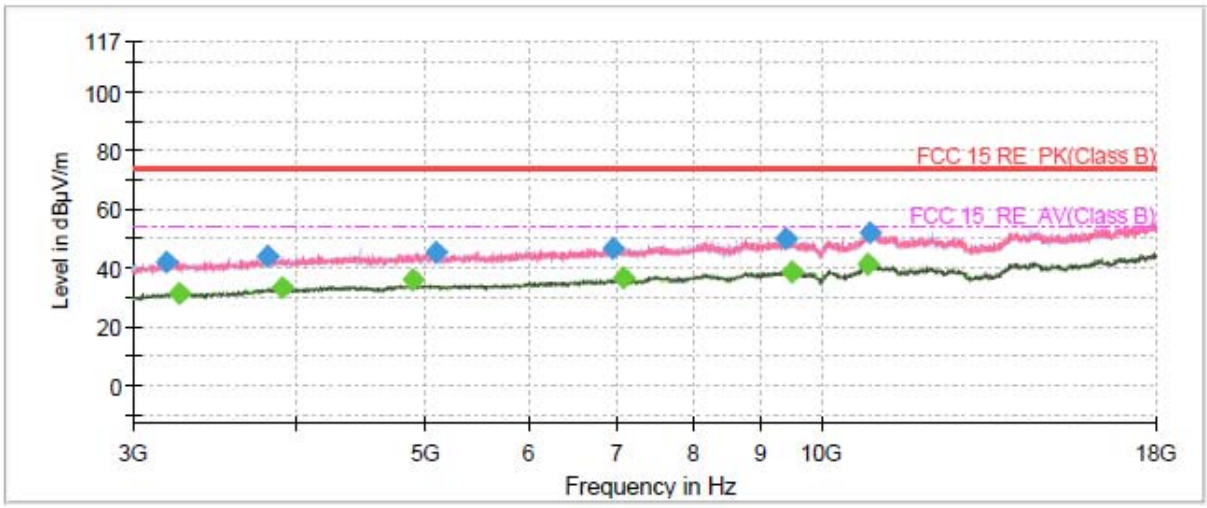
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT20) CH10



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

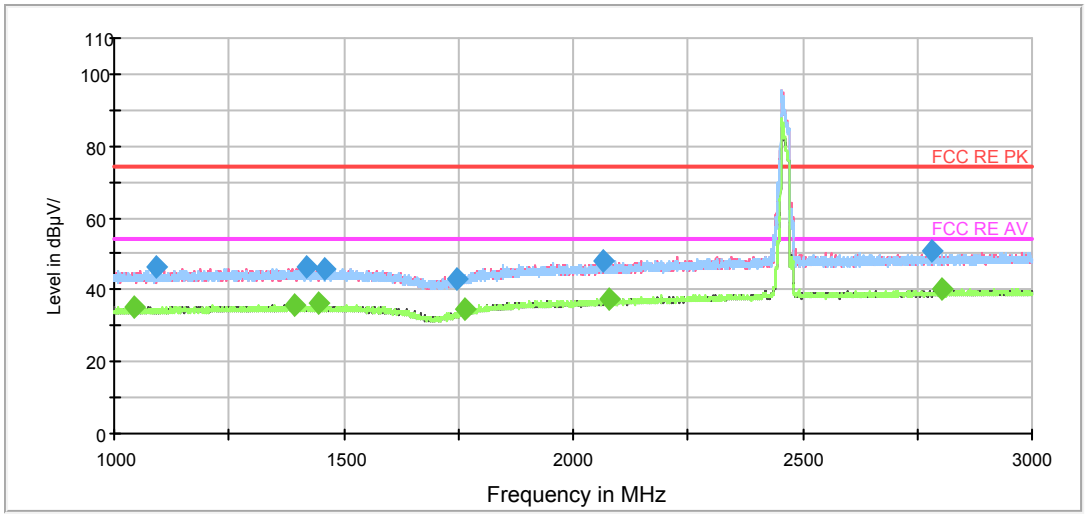


Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1058.800000	42.19	---	100.0	H	107.0	-4.0	31.81	74.00
1064.800000	---	32.50	100.0	H	126.0	-4.0	21.50	54.00
1137.800000	---	33.00	100.0	H	41.0	-4.0	21.00	54.00
1194.400000	44.88	---	100.0	H	70.0	-3.8	29.12	74.00
1434.800000	45.11	---	100.0	V	0.0	-2.5	28.89	74.00
1439.800000	---	33.85	100.0	V	0.0	-2.5	20.15	54.00
1709.200000	46.53	---	200.0	V	12.0	-1.0	27.47	74.00
1726.000000	---	35.37	200.0	V	210.0	-0.9	18.63	54.00
2000.800000	---	37.42	100.0	H	136.0	1.1	16.58	54.00
2059.200000	48.07	---	200.0	V	181.0	1.1	25.93	74.00
2993.600000	---	39.63	200.0	H	0.0	4.0	14.37	54.00
2998.800000	50.37	---	100.0	V	213.0	4.1	23.63	74.00

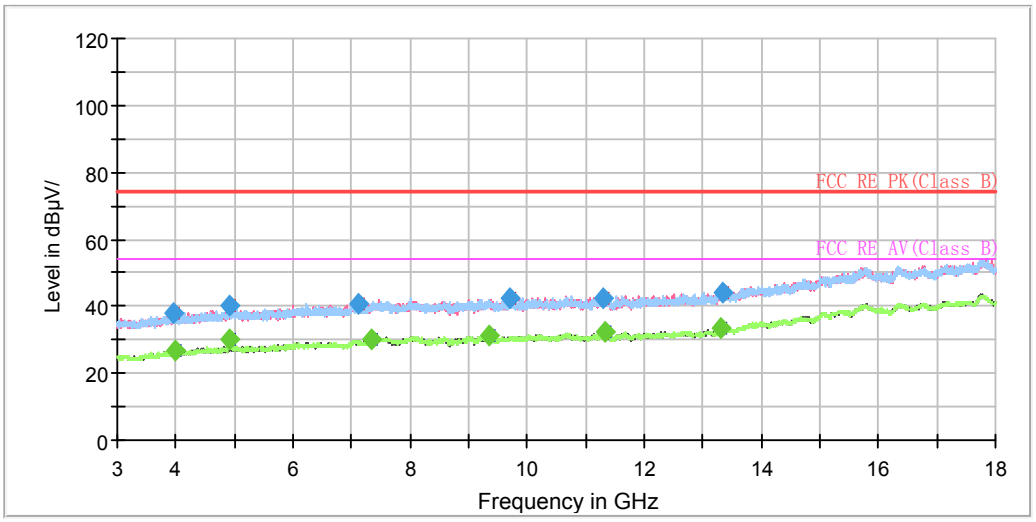
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT20) CH11



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



Radiates Emission from 3GHz to 18GHz

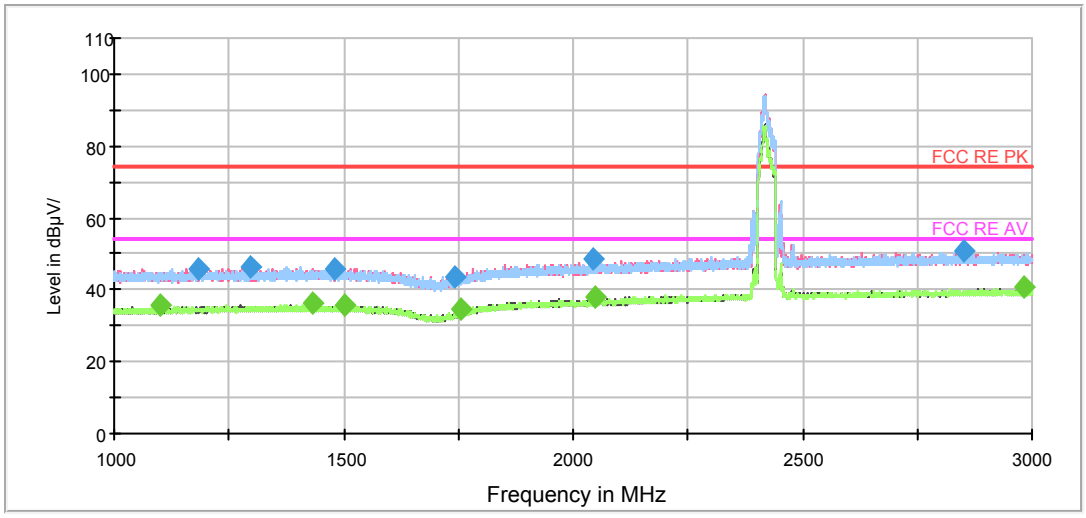
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1090.500000	46.1	200.0	H	9.0	-1.4	27.9	74.0
1421.250000	46.6	200.0	V	230.0	-0.6	27.4	74.0
1460.000000	46.0	100.0	V	269.0	-0.5	28.0	74.0
1748.500000	43.0	100.0	V	279.0	0.5	31.0	74.0
2064.750000	48.0	200.0	V	142.0	1.5	26.0	74.0
2783.750000	50.7	100.0	V	342.0	4.2	23.3	74.0

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1042.000000	35.3	100.0	V	35.0	-1.7	18.7	54.0
1393.000000	35.6	200.0	V	298.0	-0.7	18.4	54.0
1445.250000	36.4	100.0	H	0.0	-0.6	17.6	54.0
1762.250000	34.4	200.0	H	70.0	0.5	19.6	54.0
2079.250000	37.6	100.0	V	347.0	1.5	16.4	54.0
2804.500000	40.4	100.0	H	90.0	4.3	13.6	54.0

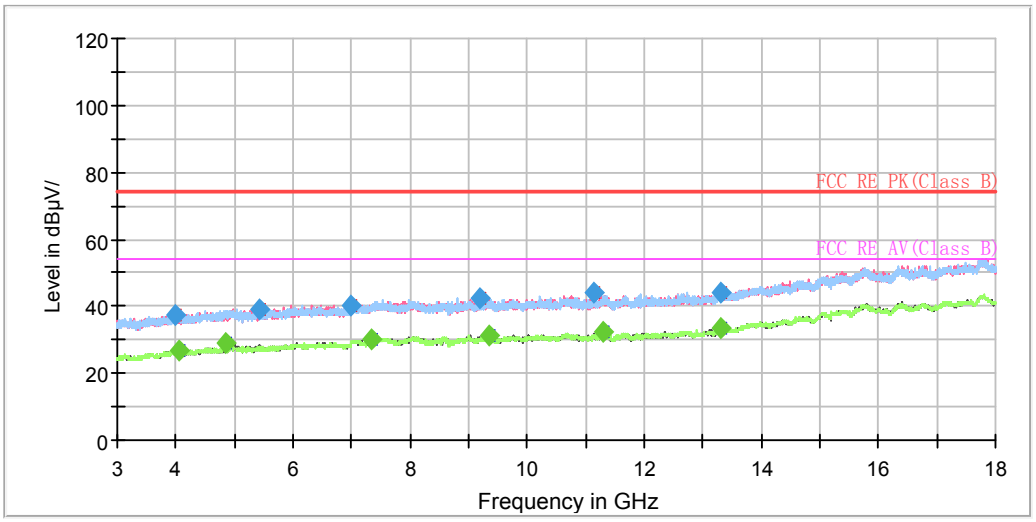
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT40) CH3



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



Radiates Emission from 3GHz to 18GHz

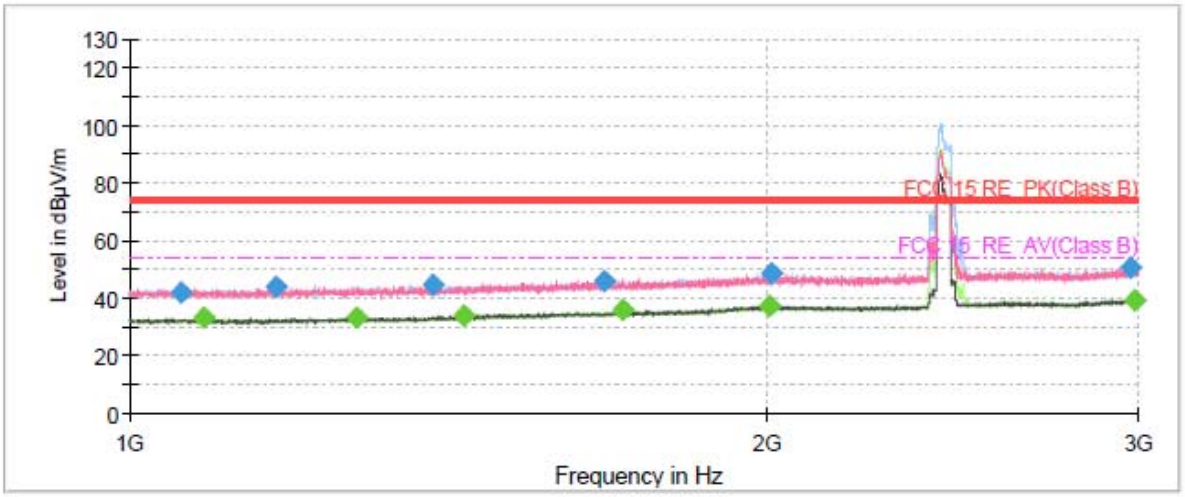
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1183.250000	45.9	100.0	V	275.0	-1.3	28.1	74.0
1297.500000	46.6	200.0	V	159.0	-1.0	27.4	74.0
1480.250000	46.0	200.0	H	0.0	-0.5	28.0	74.0
1743.750000	43.5	100.0	H	171.0	0.5	30.5	74.0
2042.000000	48.4	200.0	V	323.0	1.3	25.6	74.0
2850.250000	51.0	200.0	V	345.0	4.4	23.0	74.0

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1098.500000	35.5	100.0	H	55.0	-1.4	18.5	54.0
1431.750000	36.1	100.0	H	4.0	-0.6	17.9	54.0
1500.250000	35.8	100.0	H	17.0	-0.4	18.2	54.0
1757.500000	34.4	200.0	V	256.0	0.5	19.6	54.0
2049.000000	37.7	200.0	V	294.0	1.4	16.3	54.0
2980.750000	40.8	100.0	H	315.0	4.7	13.2	54.0

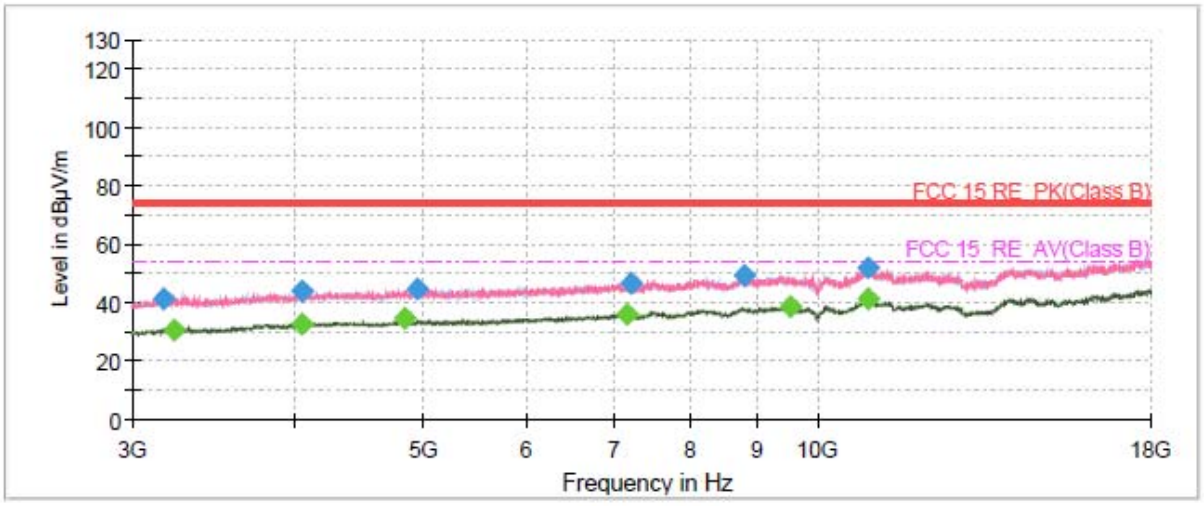
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT20) CH4



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

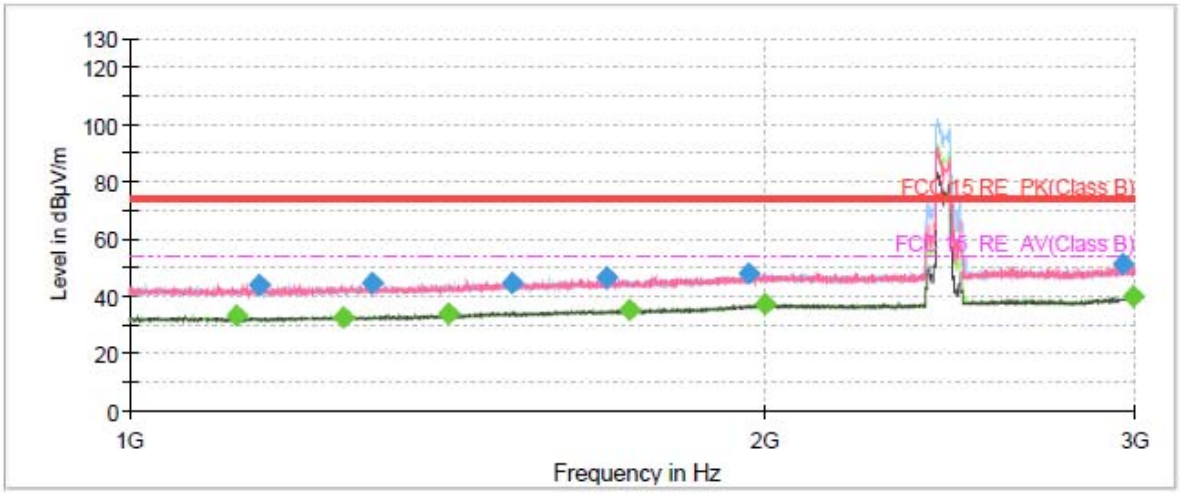


Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dB μ V/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1058.400000	42.15	---	100.0	H	10.0	-4.0	31.85	74.00
1085.200000	---	33.22	100.0	H	306.0	-4.0	20.78	54.00
1172.600000	43.72	---	200.0	V	26.0	-3.9	30.28	74.00
1280.200000	---	33.12	100.0	H	129.0	-3.4	20.88	54.00
1392.400000	44.36	---	200.0	V	242.0	-2.9	29.64	74.00
1438.400000	---	34.33	200.0	H	206.0	-2.5	19.67	54.00
1678.000000	46.26	---	200.0	V	139.0	-1.1	27.74	74.00
1709.800000	---	35.78	200.0	V	351.0	-1.0	18.22	54.00
2007.600000	---	37.36	100.0	V	263.0	1.1	16.64	54.00
2010.000000	48.69	---	100.0	V	0.0	1.1	25.31	74.00
2976.200000	50.47	---	100.0	H	286.0	3.9	23.53	74.00
2986.200000	---	39.64	200.0	V	72.0	4.0	14.36	54.00

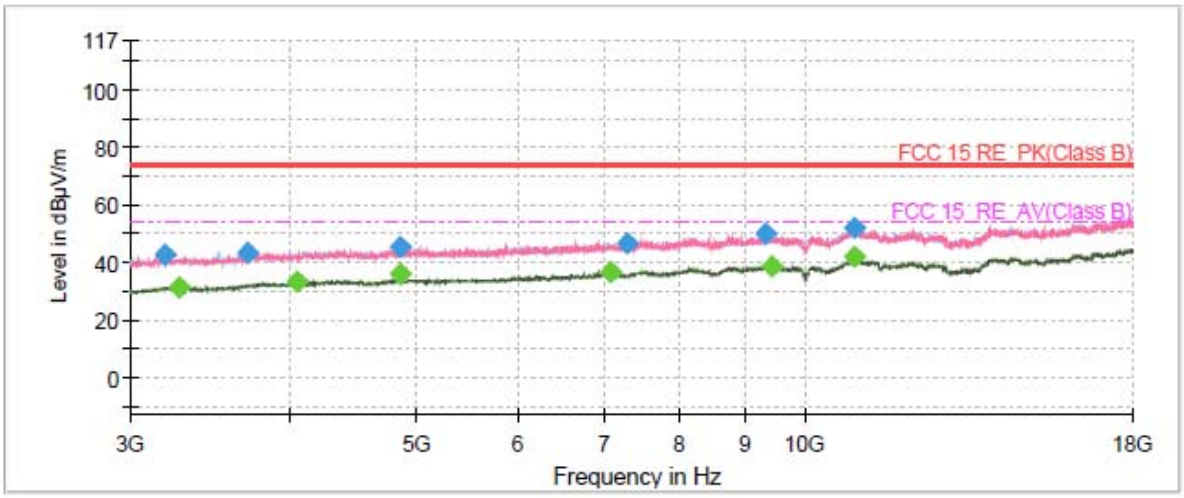
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT20) CH5



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

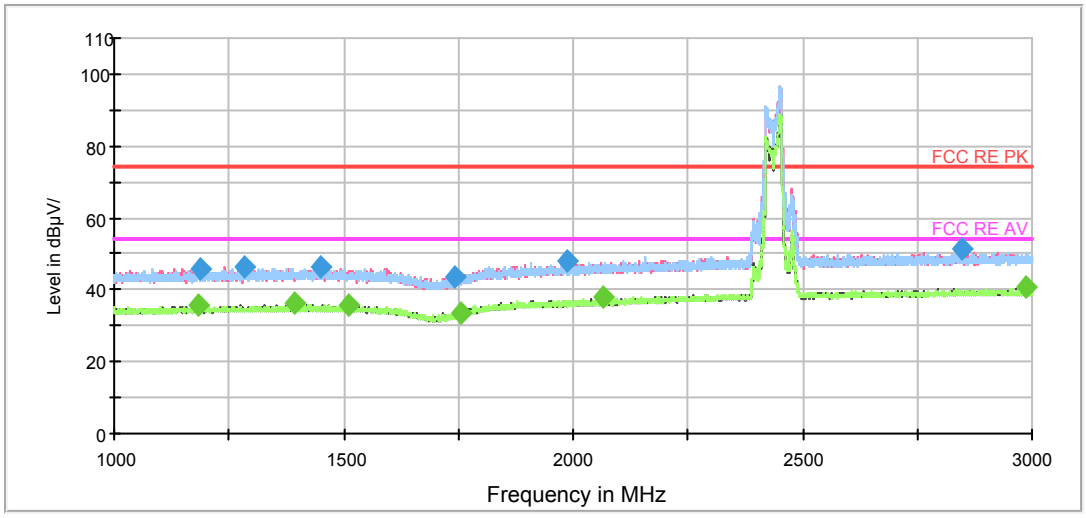


Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dB μ V/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1122.800000	---	33.06	200.0	V	238.0	-4.0	20.94	54.00
1152.000000	43.70	---	100.0	H	154.0	-3.9	30.30	74.00
1263.600000	---	32.88	200.0	V	138.0	-3.4	21.12	54.00
1302.800000	44.80	---	200.0	V	204.0	-3.3	29.20	74.00
1415.400000	---	34.04	200.0	V	2.0	-2.7	19.96	54.00
1517.400000	44.34	---	200.0	H	335.0	-2.0	29.66	74.00
1683.400000	46.39	---	200.0	V	118.0	-1.1	27.61	74.00
1725.000000	---	35.47	100.0	H	121.0	-0.9	18.53	54.00
1965.200000	47.93	---	100.0	V	78.0	0.8	26.07	74.00
2001.800000	---	37.66	100.0	V	320.0	1.1	16.34	54.00
2961.200000	51.03	---	100.0	V	357.0	3.8	22.97	74.00
2992.400000	---	40.00	100.0	V	277.0	4.0	14.00	54.00

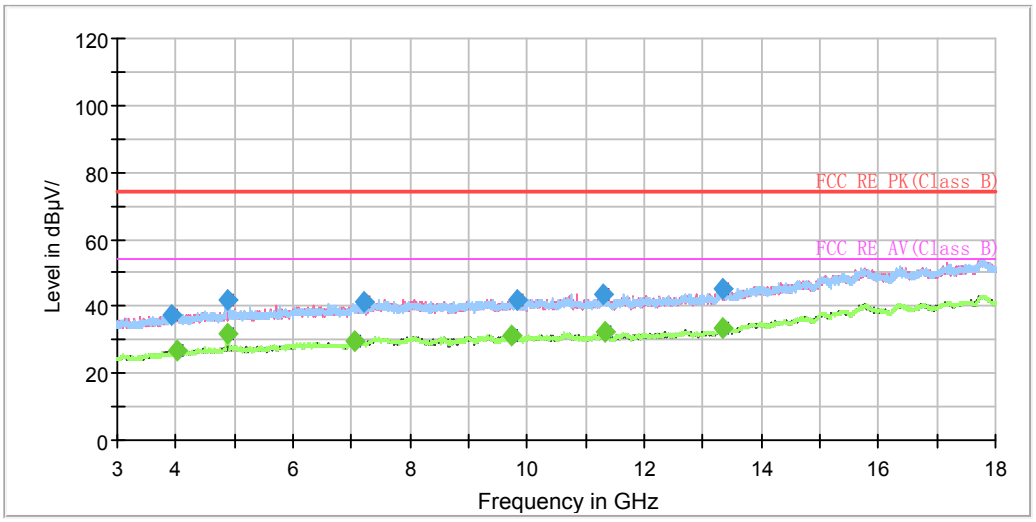
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT40) CH6



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



Radiates Emission from 3GHz to 18GHz

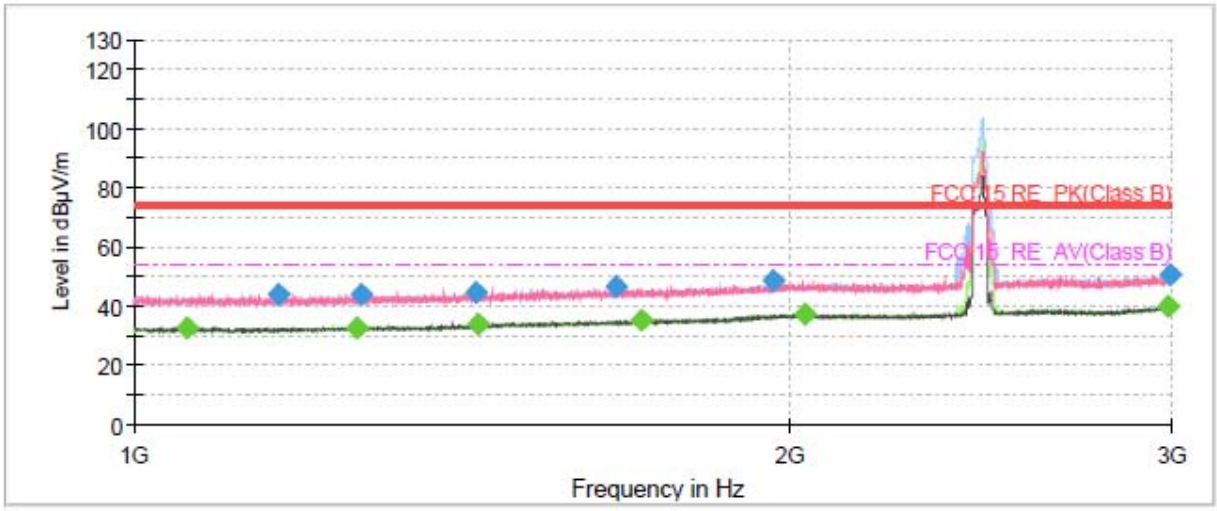
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1187.750000	45.8	100.0	H	0.0	-1.2	28.2	74.0
1284.000000	46.3	100.0	H	273.0	-1.0	27.7	74.0
1450.250000	46.2	100.0	H	0.0	-0.5	27.8	74.0
1740.250000	43.8	200.0	V	300.0	0.5	30.2	74.0
1988.000000	47.9	200.0	H	0.0	1.1	26.1	74.0
2845.250000	51.4	200.0	V	358.0	4.4	22.6	74.0

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1183.250000	35.5	200.0	V	355.0	-1.3	18.5	54.0
1392.750000	36.1	200.0	V	358.0	-0.7	17.9	54.0
1511.250000	35.7	100.0	H	0.0	-0.4	18.3	54.0
1754.000000	33.7	200.0	V	208.0	0.5	20.3	54.0
2065.000000	37.7	100.0	V	357.0	1.5	16.3	54.0
2988.500000	40.7	100.0	V	247.0	4.7	13.3	54.0

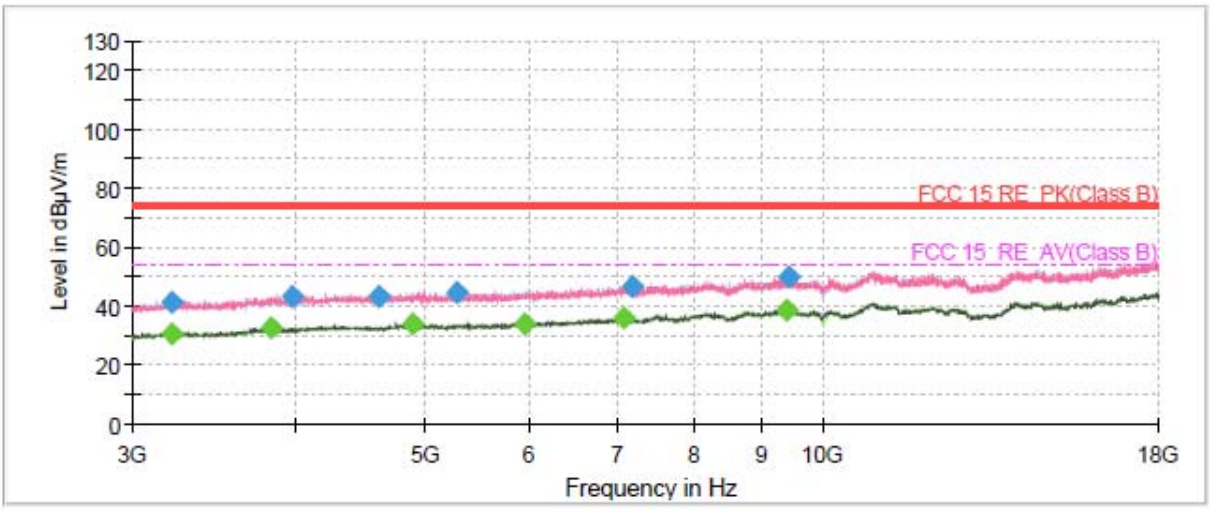
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT20) CH8



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

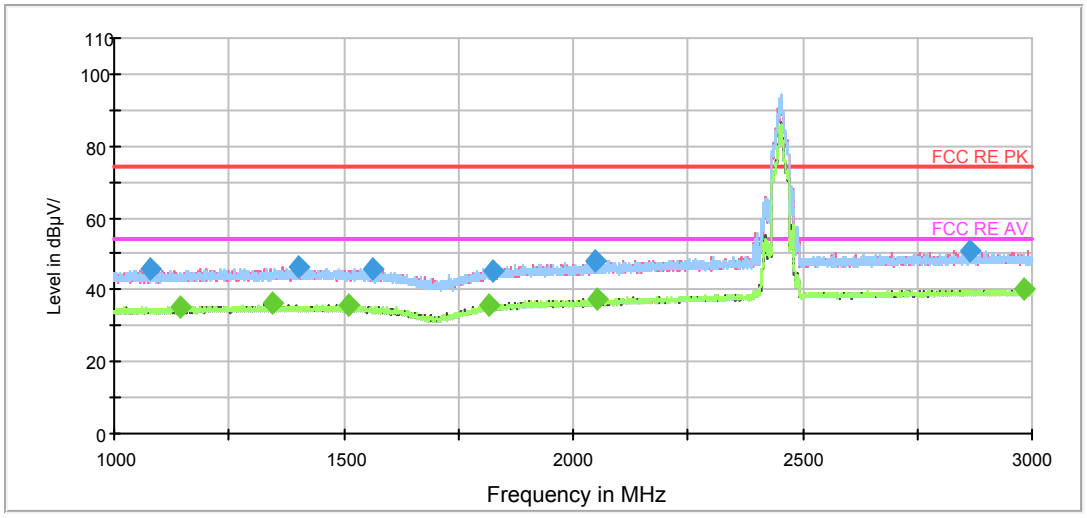


Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dB μ V/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1056.800000	---	32.86	200.0	H	50.0	-4.0	21.14	54.00
1165.800000	44.12	---	100.0	H	11.0	-3.9	29.88	74.00
1264.800000	---	32.51	100.0	H	82.0	-3.4	21.49	54.00
1272.600000	43.82	---	100.0	H	172.0	-3.4	30.18	74.00
1435.600000	44.65	---	100.0	H	48.0	-2.5	29.35	74.00
1437.600000	---	34.12	200.0	H	259.0	-2.5	19.88	54.00
1664.200000	46.34	---	100.0	V	204.0	-1.1	27.66	74.00
1709.200000	---	35.47	100.0	H	6.0	-1.0	18.53	54.00
1966.800000	48.88	---	100.0	H	20.0	0.8	25.12	74.00
2035.000000	---	37.35	200.0	H	269.0	1.1	16.65	54.00
2985.600000	---	39.90	200.0	V	165.0	4.0	14.10	54.00
2995.200000	50.54	---	200.0	V	65.0	4.0	23.46	74.00

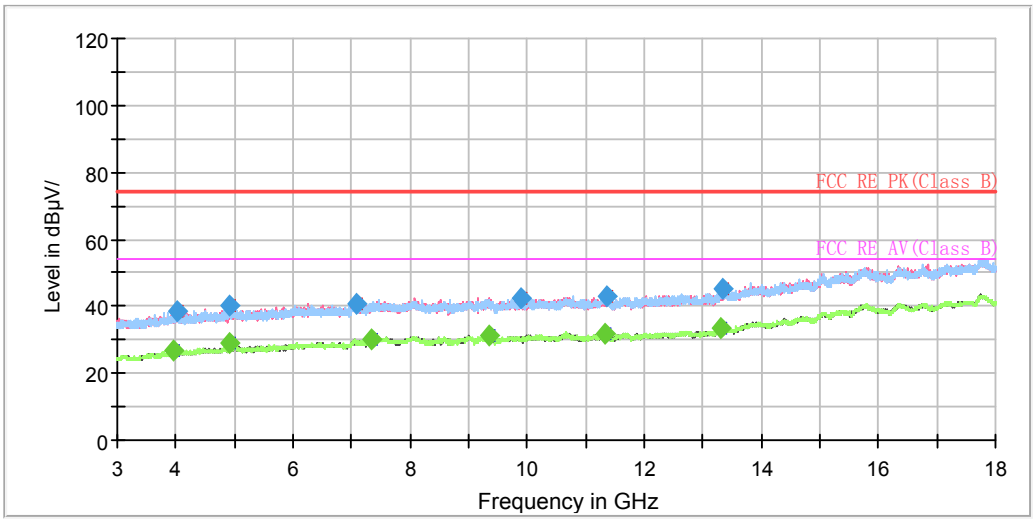
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT40) CH9



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1080.750000	45.8	200.0	V	224.0	-1.5	28.2	74.0
1402.750000	46.3	100.0	V	356.0	-0.7	27.7	74.0
1564.500000	45.9	200.0	H	44.0	-0.2	28.1	74.0
1824.000000	45.2	200.0	H	44.0	0.7	28.8	74.0
2046.500000	48.2	200.0	V	0.0	1.4	25.8	74.0
2864.500000	51.0	100.0	V	355.0	4.4	23.0	74.0

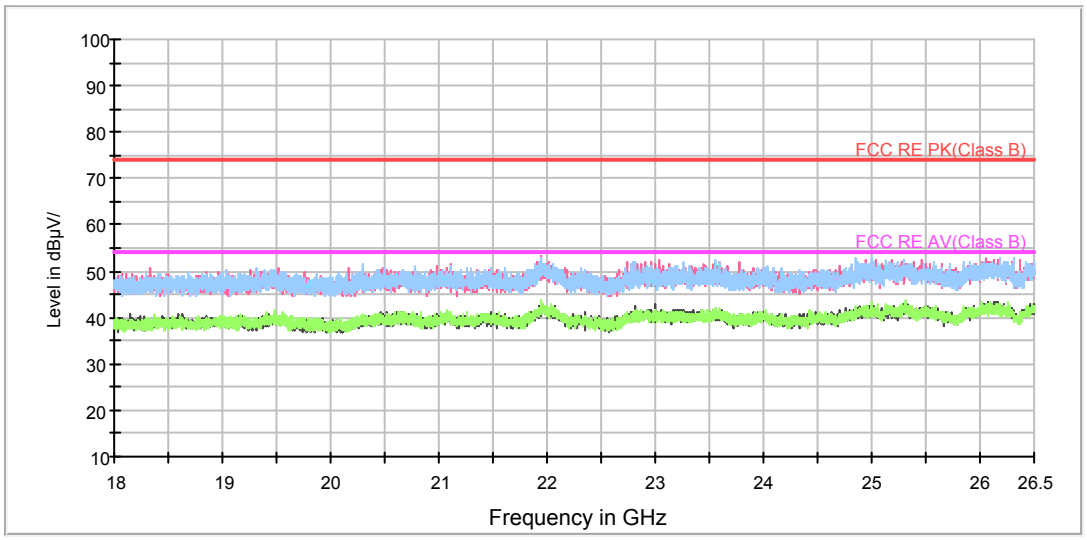
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1143.750000	35.4	200.0	H	9.0	-1.3	18.6	54.0
1346.750000	36.1	100.0	V	195.0	-0.9	17.9	54.0
1513.000000	35.8	200.0	V	348.0	-0.4	18.2	54.0
1815.500000	35.7	100.0	V	358.0	0.7	18.3	54.0
2052.500000	37.5	200.0	H	26.0	1.4	16.5	54.0
2981.000000	39.9	100.0	H	250.0	4.7	14.1	54.0

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

During the test, the Radiates Emission from 18GHz to 26.5GHz was performed in all modes with all channels, 802.11n (HT40) CH3 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

5.7. Conducted Emission

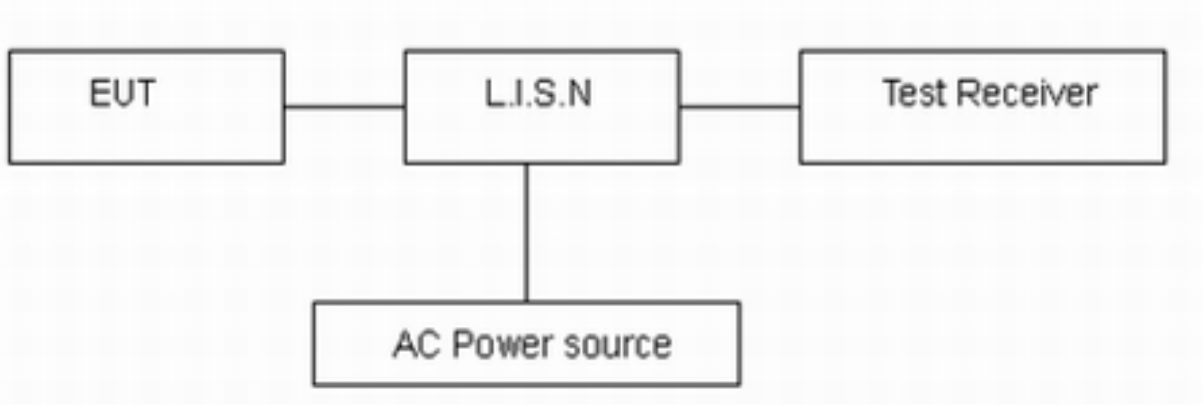
Ambient condition

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 C63.10-2013. 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

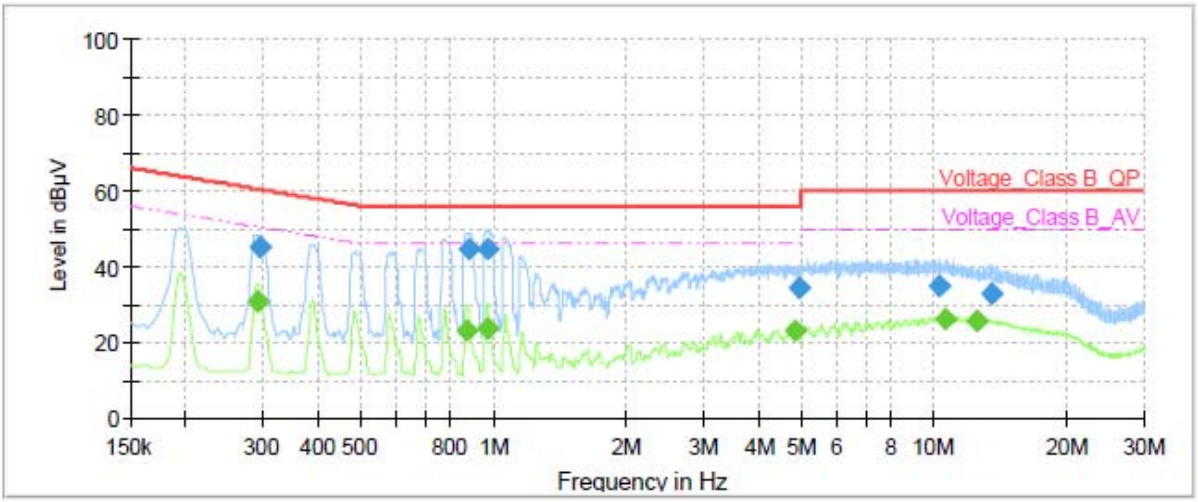
Frequency (MHz)	Conducted Limits(dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56 *	56 to 46*
0.5 - 5	56	46
5 - 30	60	50
*: Decreases with the logarithm of the frequency.		

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:

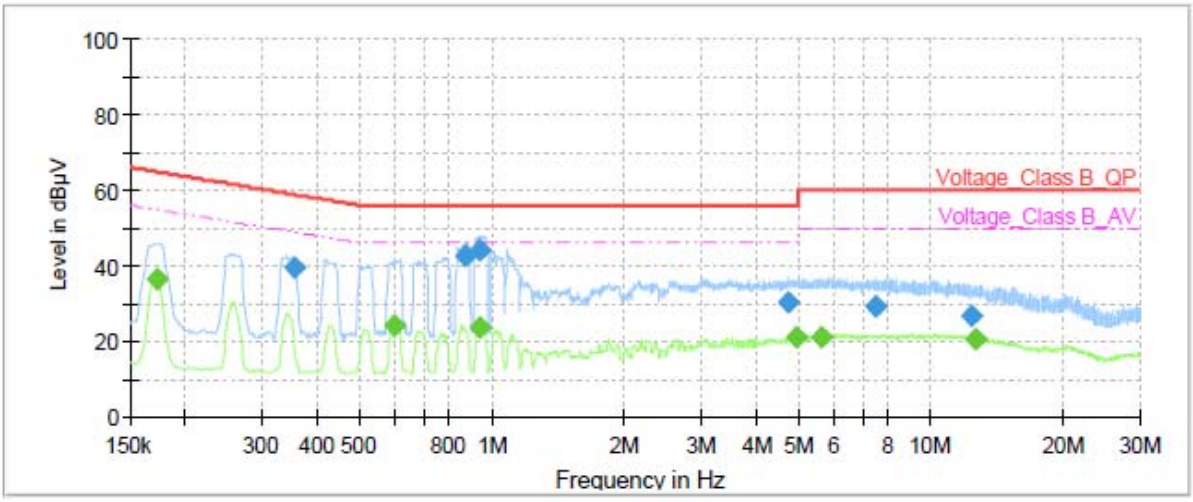
Following plots, Blue trace uses the peak detection and Green trace uses the average detection. During the test, the Conducted Emission was performed in all channels, 802.11n (HT40) CH3 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.



Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.29	---	30.53	50.47	19.95	1000.0	9.000	L1	ON	19
0.29	45.28	---	60.41	15.13	1000.0	9.000	L1	ON	19
0.87	---	23.16	46.00	22.84	1000.0	9.000	L1	ON	19
0.88	44.40	---	56.00	11.60	1000.0	9.000	L1	ON	19
0.97	---	23.35	46.00	22.65	1000.0	9.000	L1	ON	19
0.97	44.58	---	56.00	11.42	1000.0	9.000	L1	ON	19
4.82	---	23.11	46.00	22.89	1000.0	9.000	L1	ON	19
4.97	34.43	---	56.00	21.57	1000.0	9.000	L1	ON	19
10.29	34.81	---	60.00	25.19	1000.0	9.000	L1	ON	19
10.62	---	25.95	50.00	24.05	1000.0	9.000	L1	ON	19
12.50	---	25.68	50.00	24.32	1000.0	9.000	L1	ON	19
13.58	32.64	---	60.00	27.36	1000.0	9.000	L1	ON	19

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)
0.17	---	36.46	54.84	18.38	1000.0	9.000	N	ON	19
0.35	39.62	---	58.85	19.23	1000.0	9.000	N	ON	19
0.60	---	24.07	46.00	21.93	1000.0	9.000	N	ON	19
0.87	42.43	---	56.00	13.57	1000.0	9.000	N	ON	19
0.94	44.16	---	56.00	11.84	1000.0	9.000	N	ON	19
0.94	---	23.51	46.00	22.49	1000.0	9.000	N	ON	19
4.74	30.50	---	56.00	25.50	1000.0	9.000	N	ON	19
4.96	---	20.88	46.00	25.12	1000.0	9.000	N	ON	19
5.65	---	21.12	50.00	28.88	1000.0	9.000	N	ON	19
7.49	29.23	---	60.00	30.77	1000.0	9.000	N	ON	19
12.42	26.78	---	60.00	33.22	1000.0	9.000	N	ON	19
12.68	---	20.76	50.00	29.24	1000.0	9.000	N	ON	19

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	2019-12-15	2020-12-14
EMI Test Receiver	R&S	ESCI	100948	2020-05-18	2021-05-17
Loop Antenna	SCHWARZBECK	FMZB1519	1519-047	2020-04-02	2023-04-01
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-201	2017-11-18	2020-11-17
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
LISN	R&S	ENV216	101171	2018-12-15	2021-12-14
Spectrum Analyzer	Agilent	N9010A	MY47191109	2020-05-18	2021-05-17
Power Meter	R&S	NRP2	104306	2020-05-18	2021-05-17
Power Sensor	R&S	NRP-Z21	104799	2020-05-18	2021-05-17
20dB Attenuator	Star River Highlight	UCL-TS2S-20	18013001	2019-12-15	2020-12-14
RF Cable	Agilent	SMA 15cm	0001	2020-06-12	2020-12-11
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.