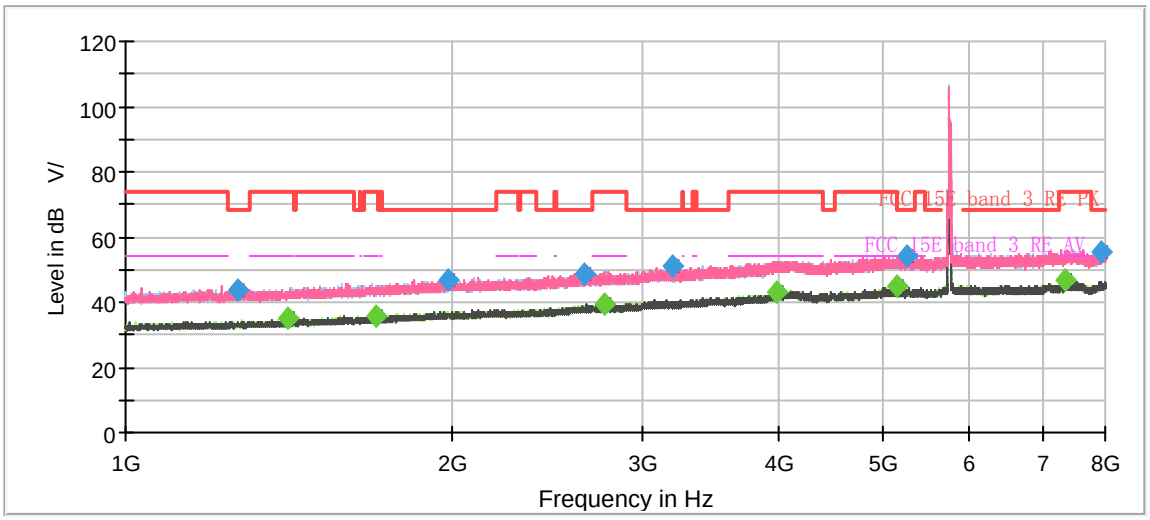
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1106.866667	---	32.96	54.00	21.04	200.0	V	36.0	-7.7
1290.500000	44.36	---	68.20	23.84	100.0	H	0.0	-6.8
1363.066667	---	34.67	54.00	19.33	100.0	V	114.0	-6.4
1700.466667	---	35.58	54.00	18.42	100.0	H	317.0	-4.5
1961.333333	46.37	---	68.20	21.83	100.0	V	80.0	-2.9
2670.666667	48.71	---	68.20	19.49	100.0	H	148.0	0.4
2765.866667	---	39.32	54.00	14.68	100.0	V	346.0	0.8
3599.100000	51.39	---	68.20	16.81	200.0	V	13.0	4.1
3966.600000	---	42.57	54.00	11.43	200.0	H	37.0	5.9
5787.766667	53.15	---	68.20	15.05	200.0	V	184.0	9.7
7881.933333	55.29	---	68.20	12.91	100.0	V	209.0	11.6
7461.000000	---	46.07	54.00	7.93	100.0	H	0.0	11.6

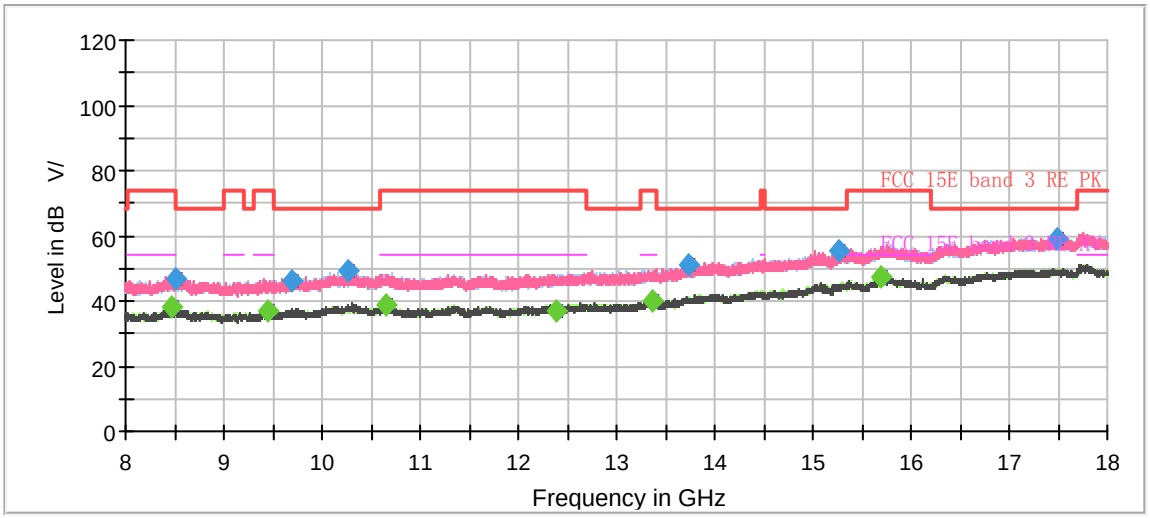
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11a CH149



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 8GHz

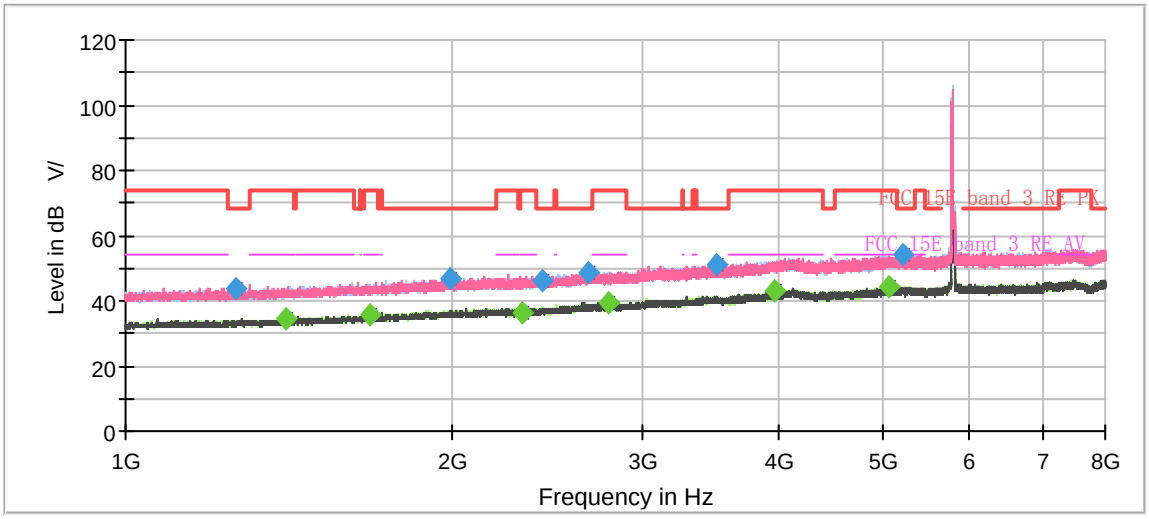


Radiates Emission from 8GHz to 18GHz

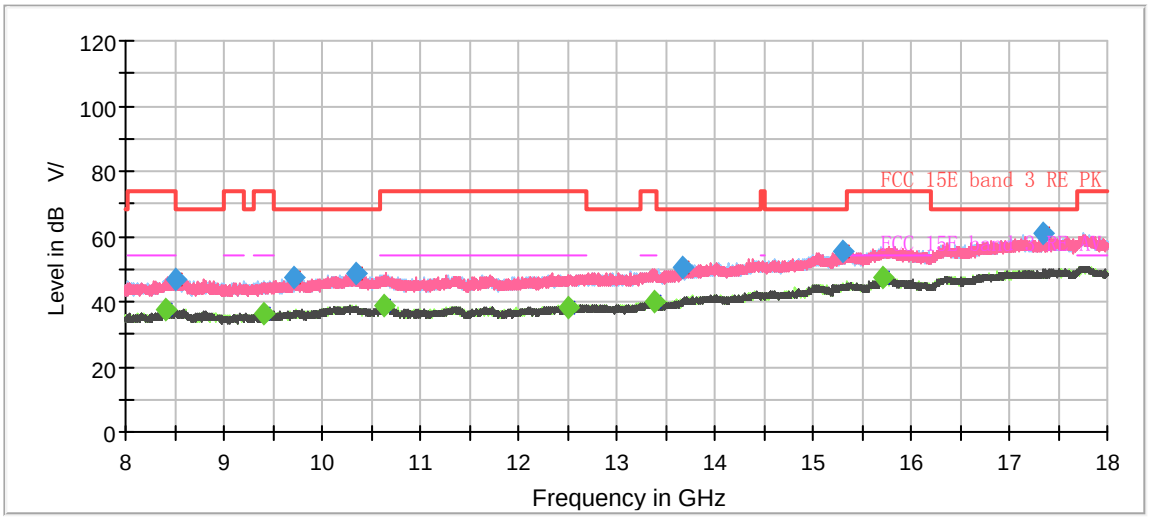
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1270.666667	43.85	---	68.20	24.35	200.0	V	169.0	-6.9
1413.000000	---	34.94	54.00	19.06	100.0	H	175.0	-6.1
1699.533333	---	35.92	54.00	18.08	200.0	V	91.0	-4.5
1986.300000	46.63	---	68.20	21.57	100.0	H	88.0	-2.7
2653.633333	48.81	---	68.20	19.39	100.0	H	27.0	0.4
2763.533333	---	39.10	54.00	14.90	100.0	H	245.0	0.8
3191.933333	50.94	---	68.20	17.26	200.0	V	169.0	2.6
3990.400000	---	43.00	54.00	11.00	200.0	H	355.0	6.1
5143.533333	---	44.78	54.00	9.22	200.0	H	295.0	8.7
5260.433333	54.38	---	68.20	13.82	100.0	V	350.0	8.8
7344.333333	---	46.62	54.00	7.38	100.0	V	0.0	11.5
7918.800000	55.65	---	68.20	12.55	200.0	V	353.0	11.7

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

802.11a CH157



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

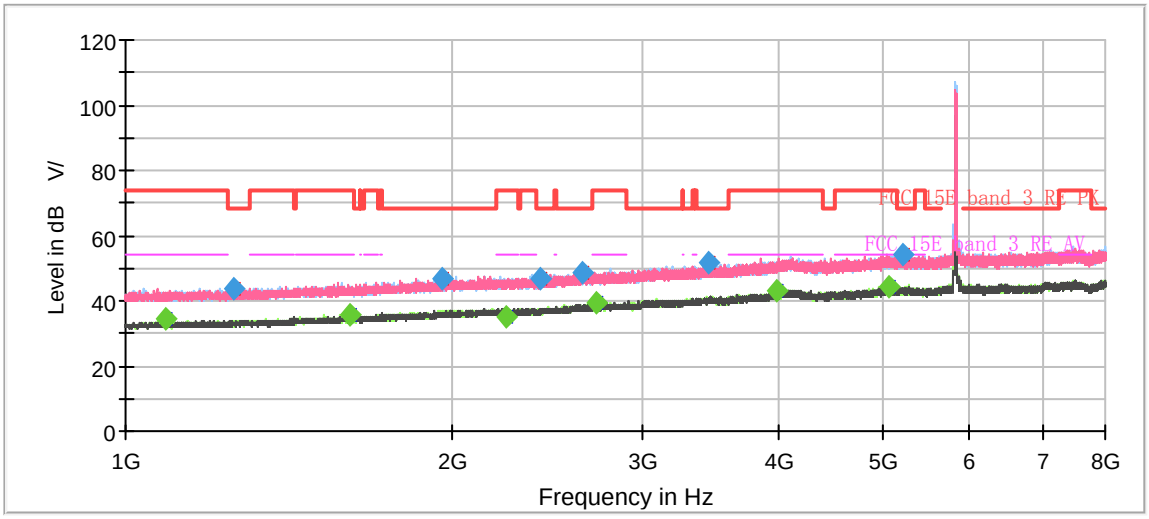


Radiates Emission from 8GHz to 18GHz

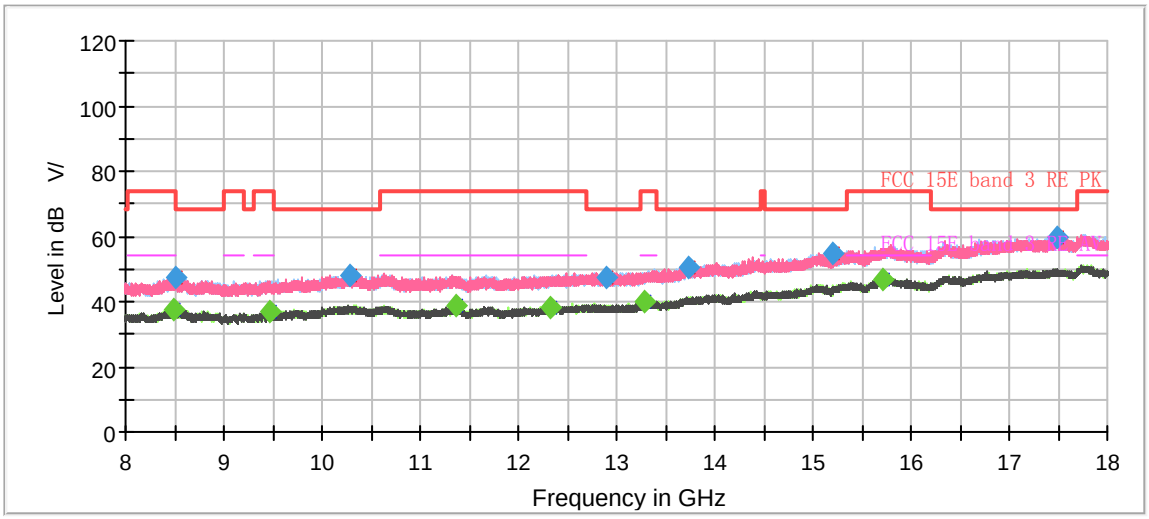
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1261.333333	43.61	---	68.20	24.59	200.0	H	247.0	-6.9
1407.400000	---	34.51	54.00	19.49	200.0	V	0.0	-6.1
1682.500000	---	35.92	54.00	18.08	200.0	H	79.0	-4.6
1992.833333	46.56	---	68.20	21.64	200.0	H	34.0	-2.7
2323.233333	---	36.25	54.00	17.75	200.0	H	0.0	-1.4
2422.166667	46.14	---	68.20	22.06	100.0	H	171.0	-1.0
2666.233333	48.74	---	68.20	19.47	200.0	H	1.0	0.4
2792.466667	---	39.29	54.00	14.71	200.0	H	333.0	0.9
3498.766667	50.95	---	68.20	17.25	100.0	V	130.0	3.7
3969.400000	---	42.86	54.00	11.14	100.0	H	113.0	6.0
5064.433333	---	44.25	54.00	9.75	200.0	H	299.0	8.7
5213.300000	53.91	---	68.20	14.29	100.0	H	359.0	8.8

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

802.11a CH165



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

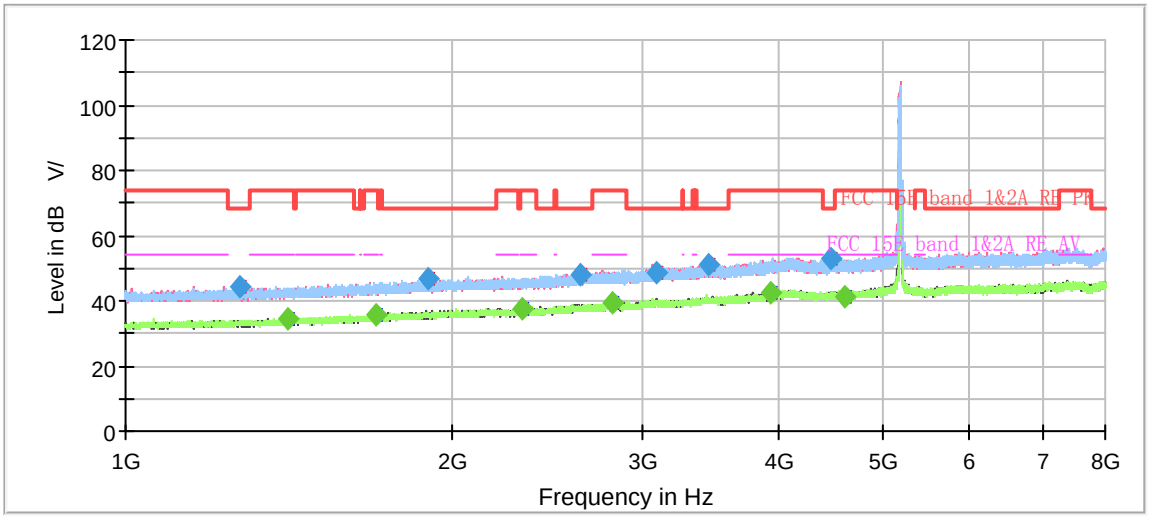


Radiates Emission from 8GHz to 18GHz

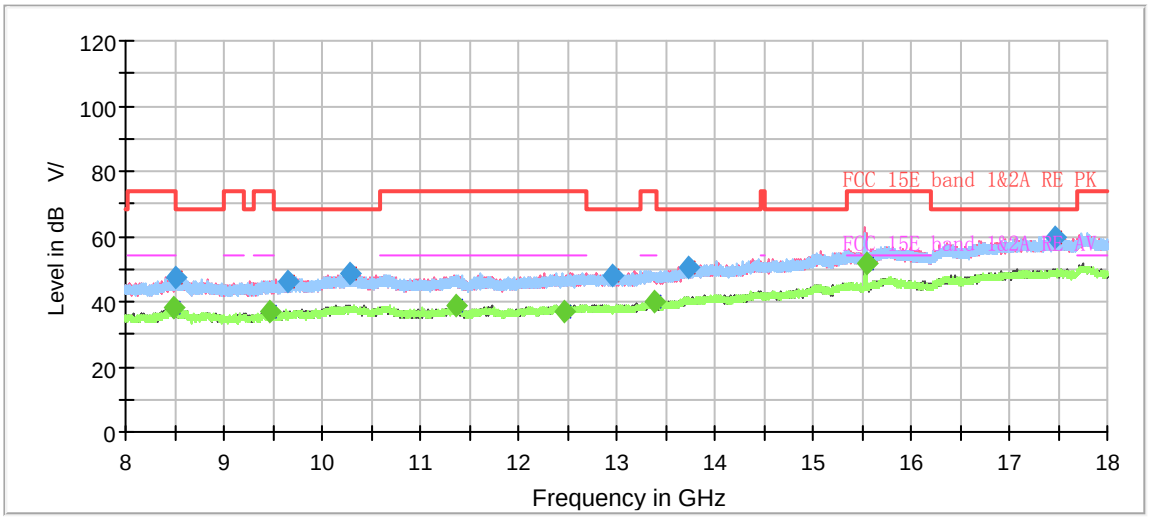
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1088.900000	---	34.37	54.00	19.63	100.0	H	28.0	-7.9
1257.600000	43.64	---	68.20	24.56	200.0	V	176.0	-7.0
1612.733333	---	35.77	54.00	18.23	100.0	H	151.0	-5.0
1956.200000	46.55	---	68.20	21.65	200.0	H	236.0	-2.9
2239.466667	---	35.34	54.00	18.66	200.0	H	210.0	-1.7
2407.700000	46.83	---	68.20	21.37	200.0	H	132.0	-1.1
2639.866667	48.58	---	68.20	19.62	100.0	V	227.0	0.3
2720.133333	---	39.35	54.00	14.65	100.0	H	105.0	0.6
3445.800000	51.61	---	68.20	16.59	200.0	H	105.0	3.6
3989.700000	---	43.08	54.00	10.92	100.0	V	157.0	6.1
5048.800000	---	44.17	54.00	9.83	100.0	V	157.0	8.7
5215.633333	54.07	---	68.20	14.13	200.0	H	0.0	8.8

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

802.11n (HT20) CH36



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

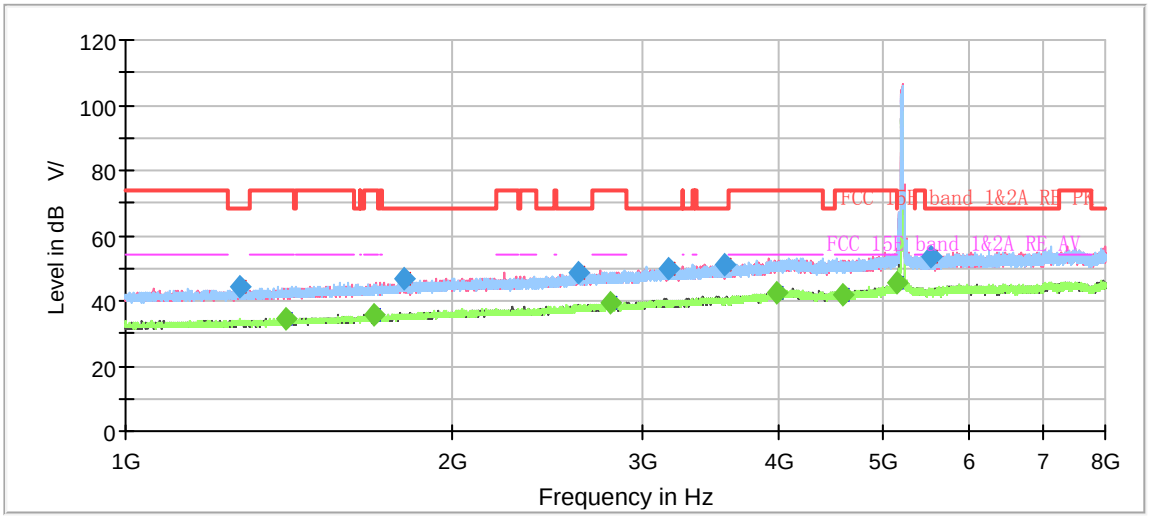


Radiates Emission from 8GHz to 18GHz

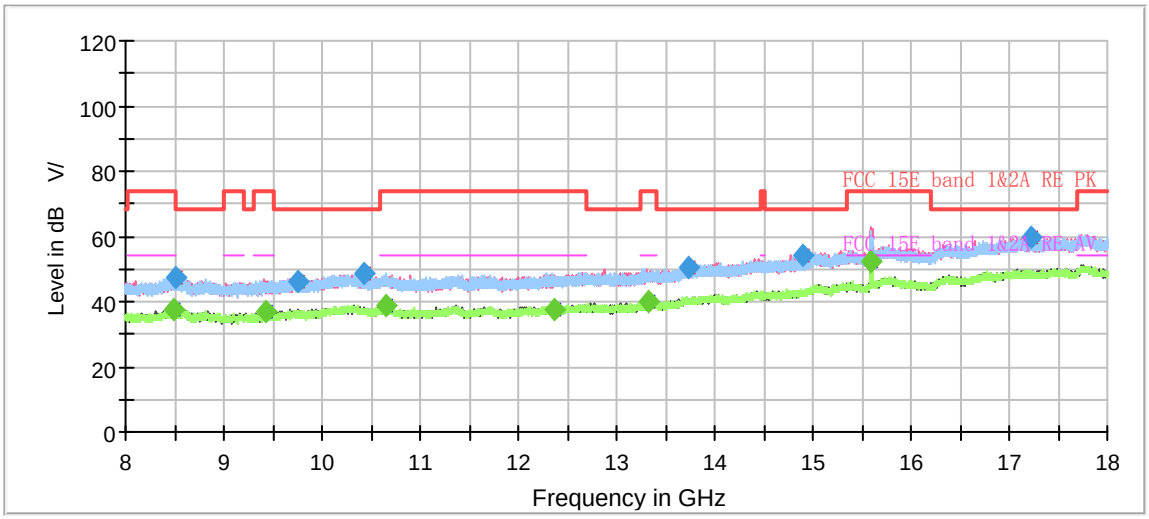
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1272.300000	44.04	---	68.20	24.16	100.0	H	256.0	-6.9
1408.333333	---	34.49	54.00	19.51	200.0	V	341.0	-6.1
1702.800000	---	35.47	54.00	18.53	100.0	V	0.0	-4.5
1898.566667	46.72	---	68.20	21.48	200.0	V	68.0	-3.3
2324.166667	---	37.24	54.00	16.76	100.0	V	210.0	-1.4
2627.033333	48.27	---	68.20	19.93	200.0	V	95.0	0.2
2809.733333	---	39.28	54.00	14.72	100.0	V	158.0	1.0
3080.866667	48.78	---	68.20	19.42	200.0	V	358.0	2.4
3442.766667	51.16	---	68.20	17.04	100.0	V	149.0	3.6
3925.766667	---	42.58	54.00	11.42	200.0	H	0.0	5.6
4475.500000	52.94	---	68.20	15.26	200.0	V	323.0	6.4
4602.900000	---	41.32	54.00	12.68	100.0	V	282.0	6.8

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

802.11n (HT20) CH40



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

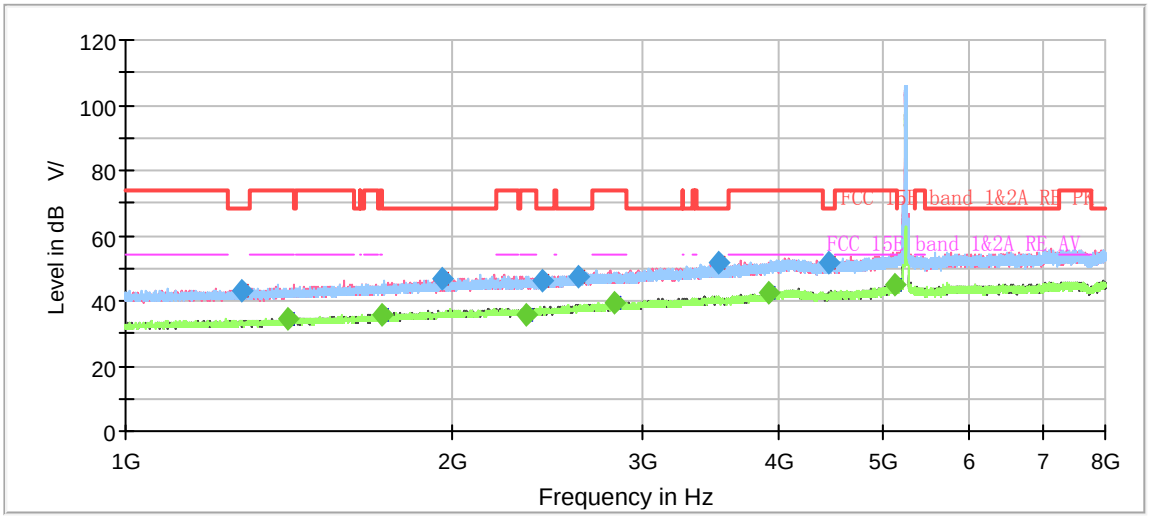


Radiates Emission from 8GHz to 18GHz

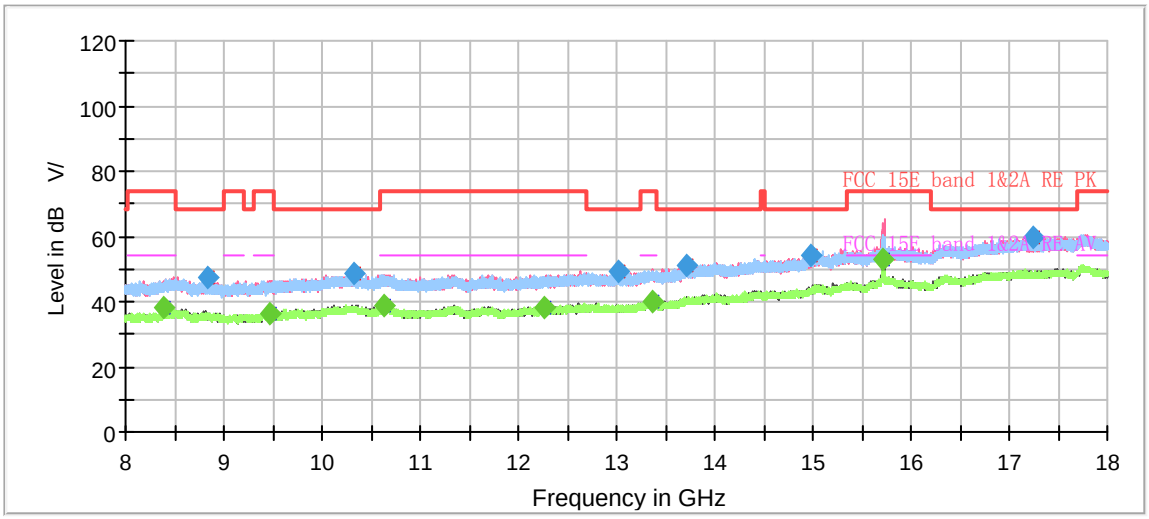
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1271.833333	44.17	---	68.20	24.03	200.0	V	113.0	-6.9
1402.266667	---	34.61	54.00	19.39	100.0	V	0.0	-6.1
1692.766667	---	35.53	54.00	18.47	200.0	H	69.0	-4.5
1803.133333	46.94	---	68.20	21.26	200.0	H	200.0	-3.8
2615.833333	48.77	---	68.20	19.43	100.0	V	186.0	0.1
2799.700000	---	39.42	54.00	14.58	200.0	H	69.0	0.9
3159.966667	50.15	---	68.20	18.05	200.0	V	350.0	2.6
3572.033333	50.84	---	68.20	17.36	200.0	V	306.0	3.9
3988.066667	---	42.62	54.00	11.38	100.0	H	358.0	6.1
4578.866667	---	41.98	54.00	12.02	200.0	V	0.0	6.7
5148.433333	---	45.58	54.00	8.42	100.0	H	323.0	8.7
5527.833333	53.77	---	68.20	14.43	200.0	V	7.0	8.8

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

802.11n (HT20) CH48



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

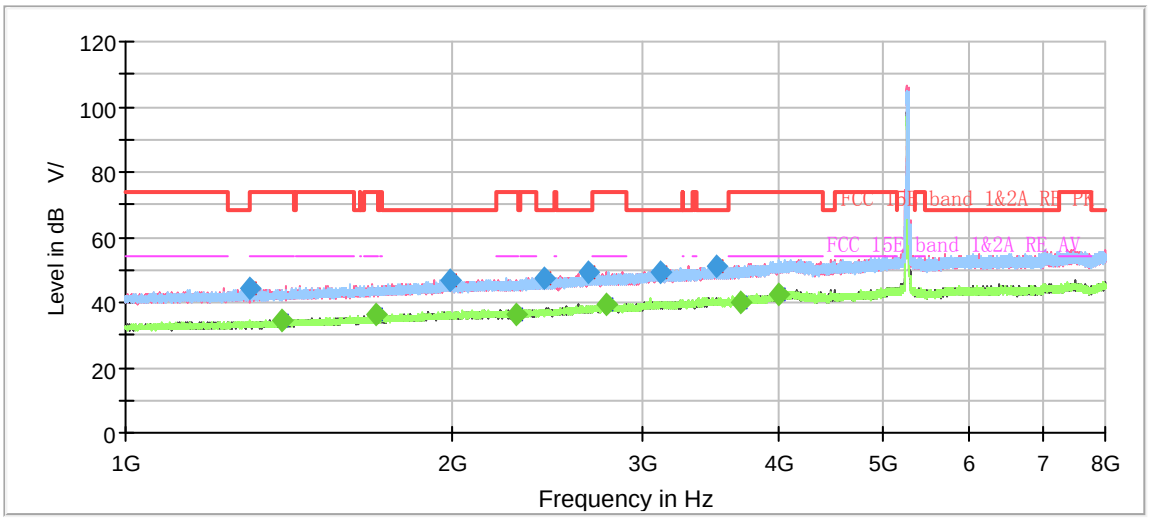


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1279.533333	43.35	---	68.20	24.85	100.0	H	340.0	-6.8
1411.133333	---	34.64	54.00	19.36	200.0	H	327.0	-6.1
1720.066667	---	35.77	54.00	18.23	100.0	V	88.0	-4.4
1961.566667	46.79	---	68.20	21.41	200.0	V	165.0	-2.9
2342.133333	---	35.92	54.00	18.08	100.0	V	228.0	-1.4
2418.200000	46.05	---	68.20	22.15	200.0	V	0.0	-1.1
2616.066667	47.45	---	68.20	20.75	100.0	V	176.0	0.1
2824.433333	---	39.32	54.00	14.68	200.0	V	0.0	1.0
3528.166667	51.68	---	68.20	16.52	200.0	H	16.0	3.8
3923.900000	---	42.73	54.00	11.27	200.0	V	138.0	5.6
4456.600000	51.80	---	68.20	16.40	100.0	H	331.0	6.4
5116.233333	---	44.93	54.00	9.07	100.0	V	88.0	8.7

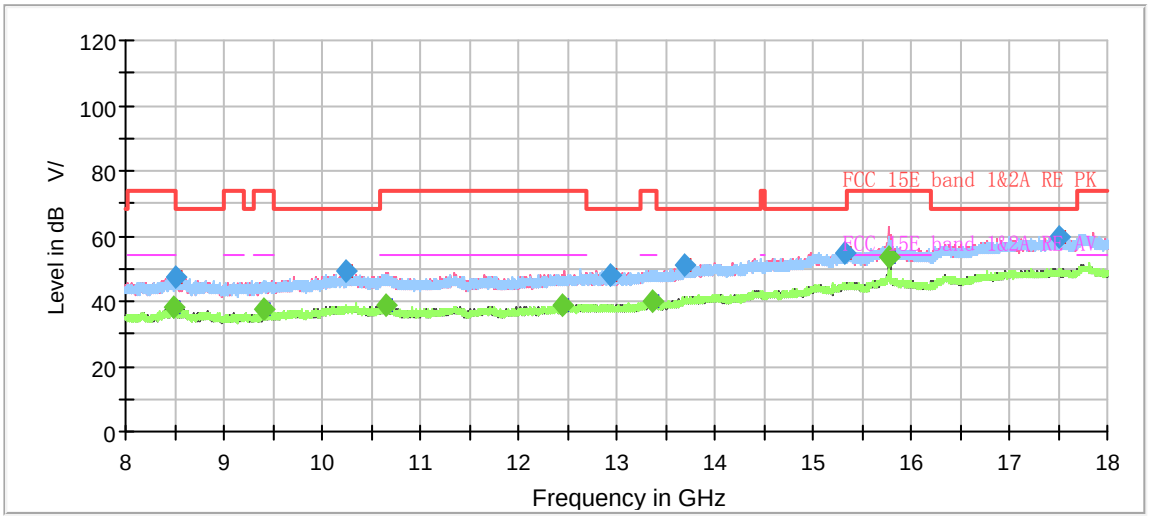
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT20) CH52



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 8GHz

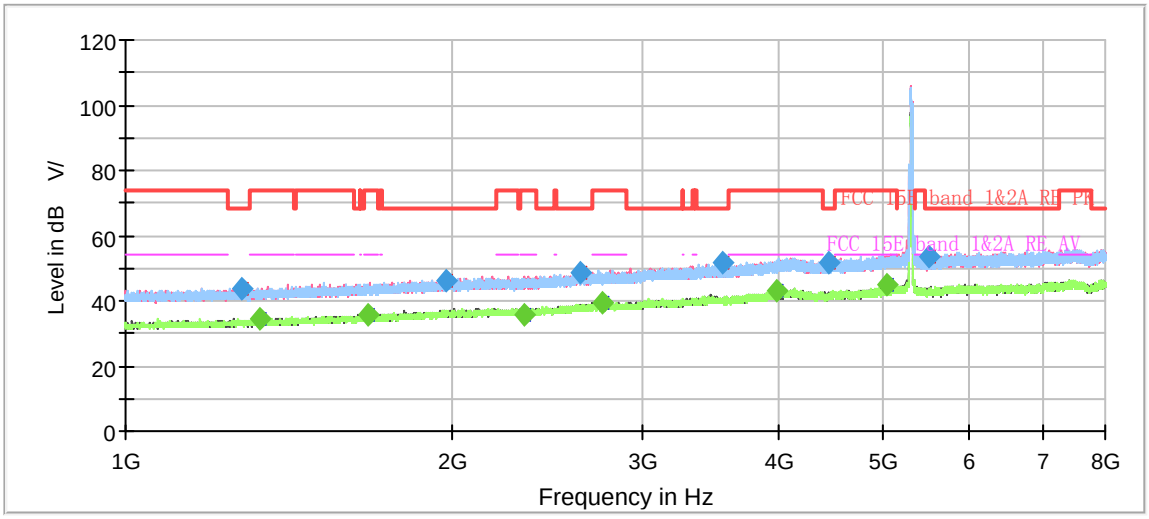


Radiates Emission from 8GHz to 18GHz

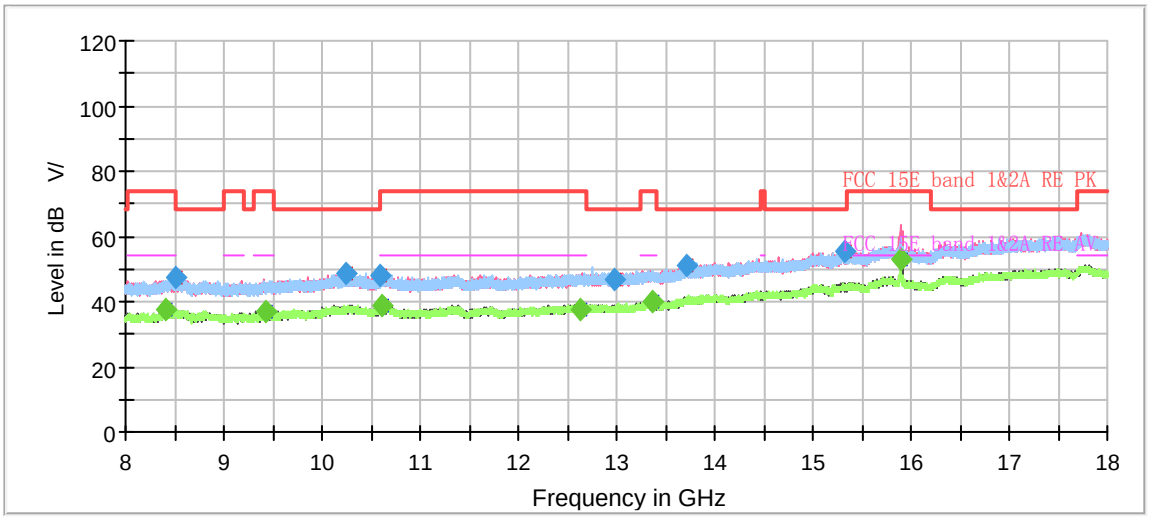
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1299.833333	44.02	---	68.20	24.18	200.0	V	176.0	-6.7
1395.500000	---	34.42	54.00	19.58	200.0	V	150.0	-6.2
1705.133333	---	36.21	54.00	17.79	200.0	V	97.0	-4.5
1987.933333	46.78	---	68.20	21.42	100.0	H	72.0	-2.7
2294.766667	---	36.47	54.00	17.53	100.0	V	63.0	-1.5
2432.666667	47.15	---	68.20	21.05	100.0	H	266.0	-1.0
2668.800000	49.40	---	68.20	18.80	200.0	V	332.0	0.4
2774.966667	---	39.57	54.00	14.43	200.0	V	315.0	0.8
3116.333333	49.50	---	68.20	18.70	100.0	H	301.0	2.5
3499.700000	50.89	---	68.20	17.31	100.0	V	186.0	3.7
3683.566667	---	39.81	54.00	14.19	100.0	V	256.0	4.4
3992.733333	---	42.67	54.00	11.33	200.0	V	97.0	6.1

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

802.11n (HT20) CH60



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

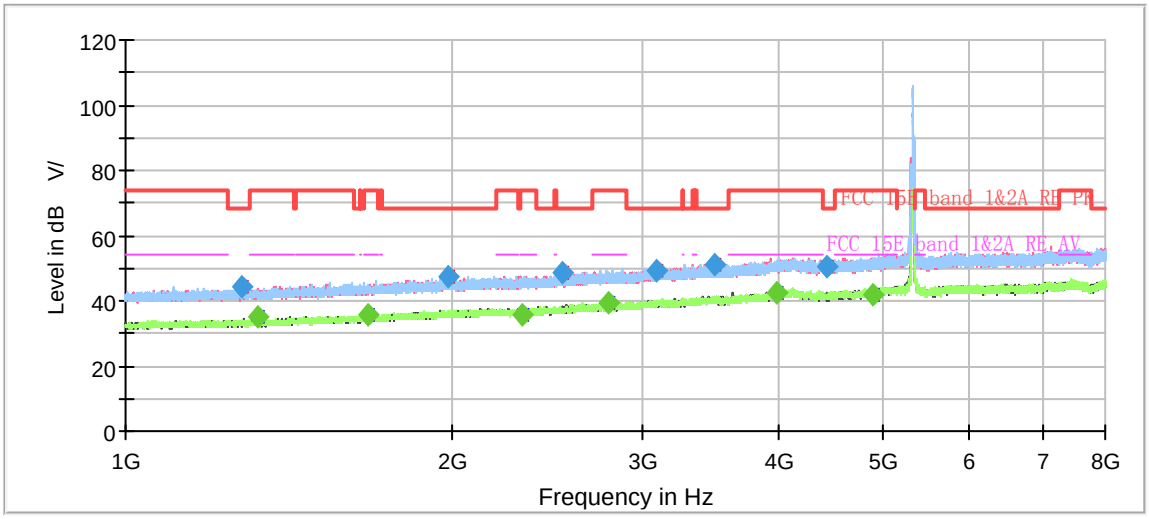


Radiates Emission from 8GHz to 18GHz

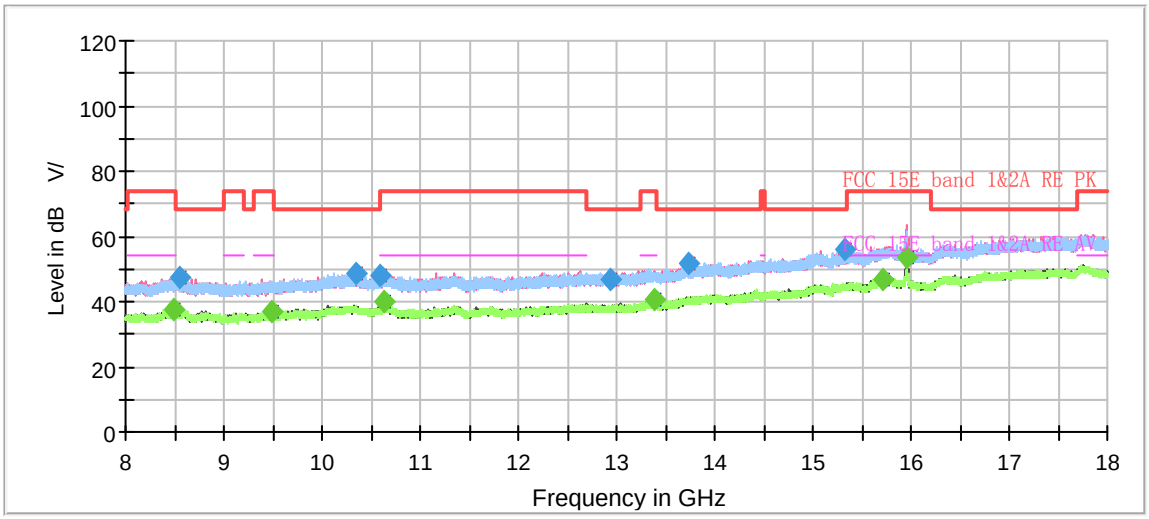
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1279.766667	43.73	---	68.20	24.47	200.0	H	300.0	-6.8
1330.633333	---	34.64	54.00	19.36	200.0	H	68.0	-6.6
1675.733333	---	35.72	54.00	18.28	200.0	H	77.0	-4.6
1971.366667	46.34	---	68.20	21.86	100.0	V	47.0	-2.8
2331.866667	---	35.63	54.00	18.37	100.0	V	82.0	-1.4
2620.733333	48.74	---	68.20	19.46	100.0	H	304.0	0.2
2749.300000	---	39.39	54.00	14.61	200.0	V	316.0	0.7
3548.000000	51.42	---	68.20	16.78	100.0	H	347.0	3.9
3985.500000	---	43.00	54.00	11.00	100.0	H	40.0	6.1
4457.300000	51.78	---	68.20	16.42	200.0	V	274.0	6.4
5041.333333	---	44.66	54.00	9.34	200.0	H	32.0	8.7
5501.466667	53.70	---	68.20	14.50	200.0	H	146.0	8.7

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

802.11n (HT20) CH64



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

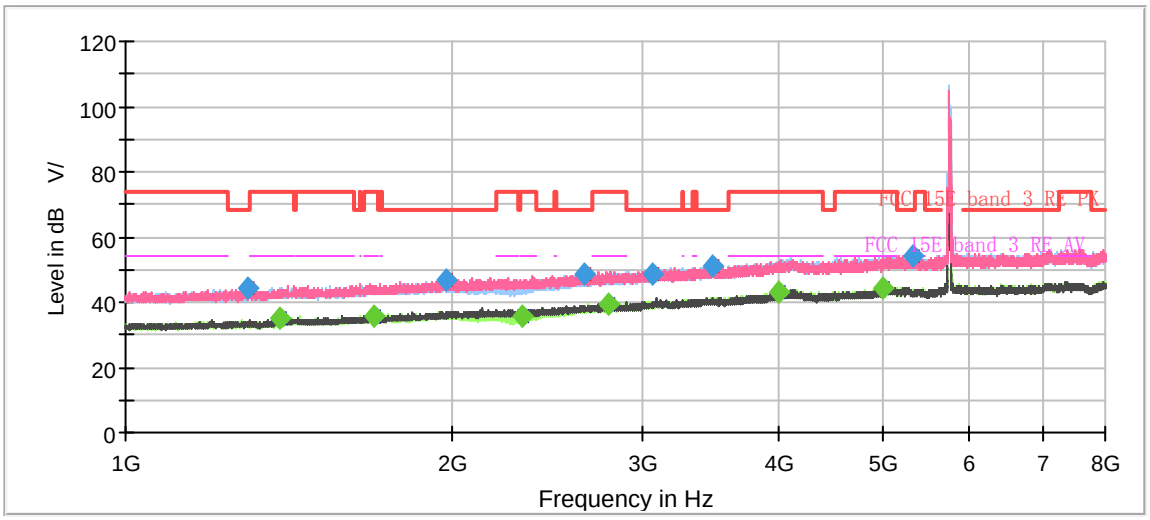


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1280.700000	44.13	---	68.20	24.07	200.0	H	333.0	-6.8
1325.266667	---	34.77	54.00	19.23	200.0	H	289.0	-6.6
1674.566667	---	35.68	54.00	18.32	100.0	H	0.0	-4.6
1984.200000	47.12	---	68.20	21.08	100.0	V	261.0	-2.7
2322.300000	---	35.61	54.00	18.39	100.0	V	77.0	-1.4
2531.600000	48.52	---	68.20	19.68	100.0	H	202.0	-0.4
2782.666667	---	39.30	54.00	14.70	200.0	H	69.0	0.9
3082.966667	49.41	---	68.20	18.79	200.0	V	0.0	2.4
3494.566667	51.28	---	68.20	16.92	200.0	H	43.0	3.7
3986.900000	---	42.68	54.00	11.32	100.0	H	202.0	6.1
4427.433333	50.22	---	68.20	17.98	100.0	V	288.0	6.3
4885.000000	---	42.06	54.00	11.94	100.0	V	121.0	8.0

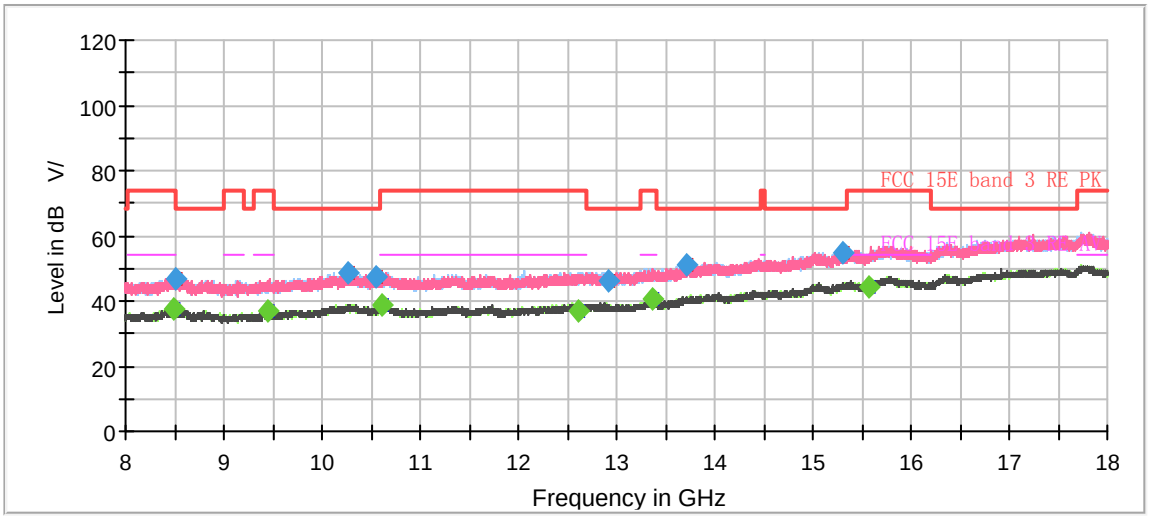
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT20) CH149



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 8GHz

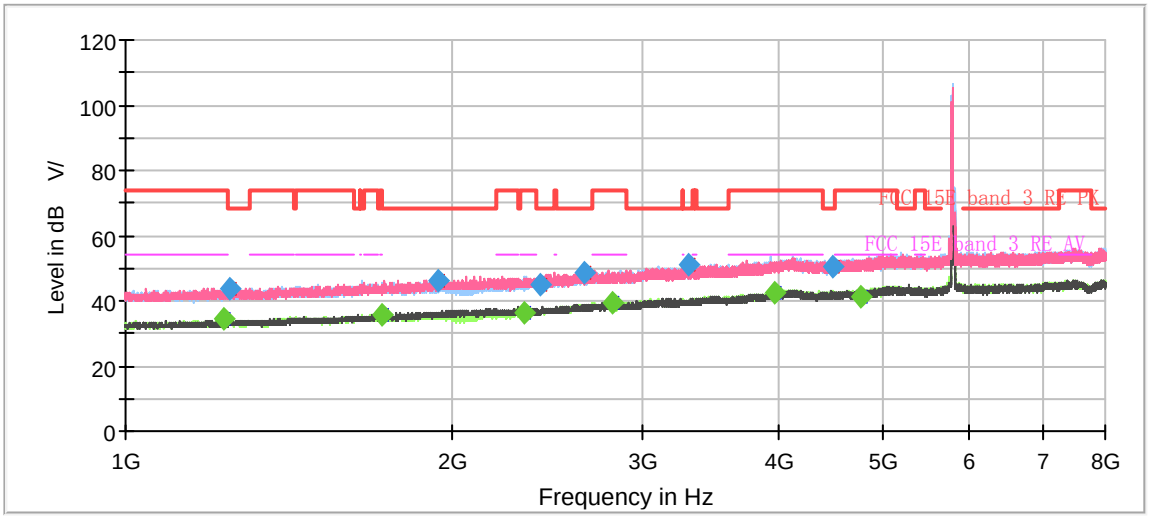


Radiates Emission from 8GHz to 18GHz

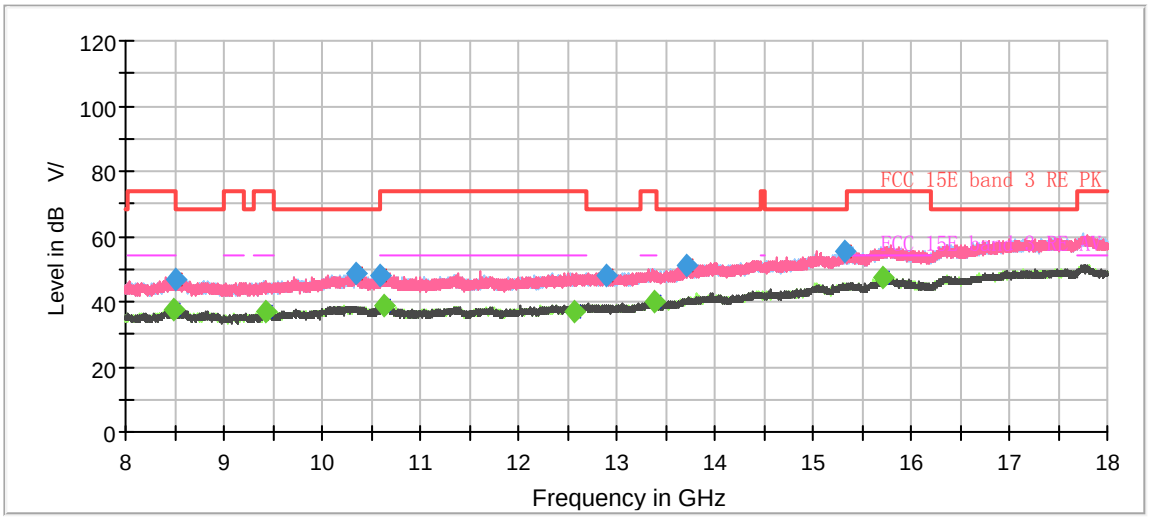
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1294.233333	44.16	---	68.20	24.04	200.0	V	165.0	-6.8
1384.766667	---	34.98	54.00	19.02	100.0	V	1.0	-6.3
1695.566667	---	35.85	54.00	18.15	200.0	H	18.0	-4.5
1974.166667	46.97	---	68.20	21.23	200.0	V	104.0	-2.8
2316.700000	---	35.46	54.00	18.54	200.0	H	249.0	-1.5
2652.933333	48.53	---	68.20	19.67	100.0	V	69.0	0.4
2787.100000	---	39.28	54.00	14.72	200.0	V	328.0	0.9
3065.466667	48.51	---	68.20	19.69	200.0	H	310.0	2.4
3477.766667	51.29	---	68.20	16.91	100.0	H	102.0	3.7
3992.500000	---	42.80	54.00	11.20	200.0	H	9.0	6.1
4989.300000	---	44.54	54.00	9.46	100.0	H	136.0	8.6
5326.233333	54.22	---	68.20	13.98	200.0	H	249.0	8.8

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

802.11n (HT20) CH157



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

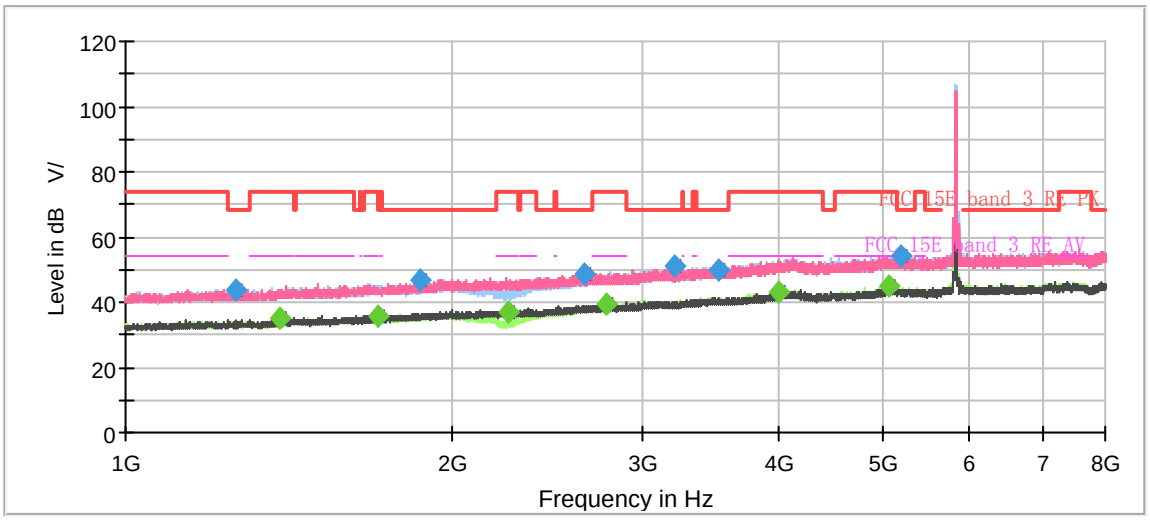


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1230.300000	---	34.51	54.00	19.49	200.0	V	217.0	-7.1
1247.800000	43.91	---	68.20	24.29	200.0	V	345.0	-7.0
1721.233333	---	35.72	54.00	18.28	100.0	V	125.0	-4.4
1941.500000	46.44	---	68.20	21.76	200.0	V	354.0	-3.0
2329.300000	---	36.04	54.00	17.96	200.0	H	10.0	-1.4
2415.400000	44.88	---	68.20	23.32	200.0	H	124.0	-1.1
2645.700000	48.61	---	68.20	19.59	100.0	H	153.0	0.3
2805.300000	---	39.36	54.00	14.64	100.0	V	75.0	1.0
3306.500000	51.09	---	68.20	17.11	100.0	H	0.0	3.0
3962.166667	---	42.65	54.00	11.35	100.0	H	340.0	5.9
4485.300000	50.47	---	68.20	17.73	200.0	H	124.0	6.4
4768.800000	---	41.42	54.00	12.58	200.0	H	219.0	7.3

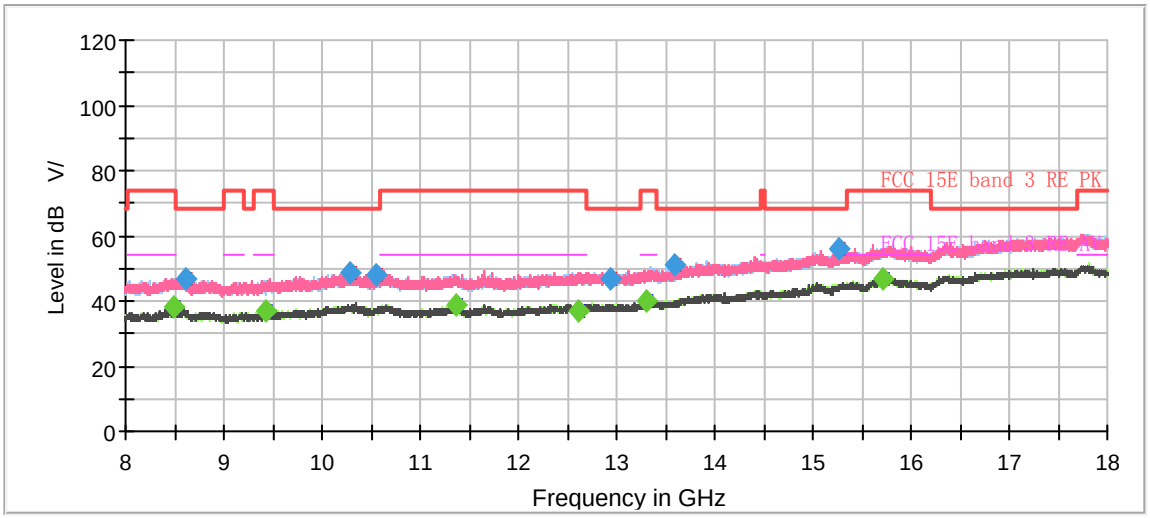
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT20) CH165



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 8GHz

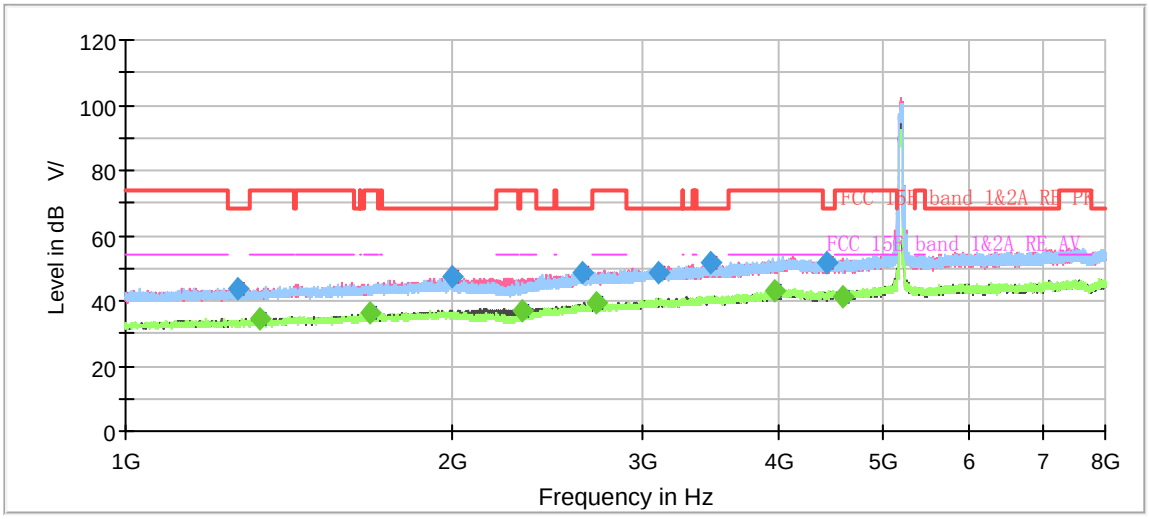


Radiates Emission from 8GHz to 18GHz

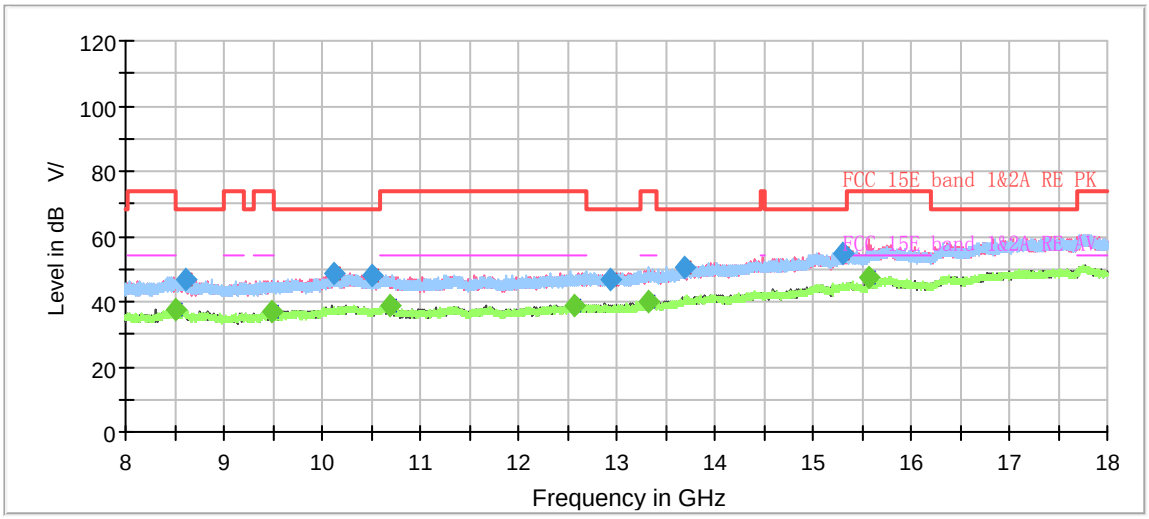
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1260.866667	43.79	---	68.20	24.41	200.0	V	129.0	-6.9
1386.400000	---	35.16	54.00	18.84	100.0	H	266.0	-6.3
1707.700000	---	35.87	54.00	18.13	100.0	V	208.0	-4.4
1865.900000	46.91	---	68.20	21.29	100.0	H	129.0	-3.5
2253.000000	---	36.64	54.00	17.36	200.0	V	274.0	-1.6
2646.633333	48.61	---	68.20	19.59	100.0	H	275.0	0.3
2779.866667	---	39.12	54.00	14.88	100.0	V	225.0	0.9
3206.166667	51.22	---	68.20	16.98	100.0	H	317.0	2.6
3516.500000	49.74	---	68.20	18.46	100.0	H	0.0	3.8
3996.233333	---	43.08	54.00	10.92	100.0	H	325.0	6.1
5044.600000	---	44.68	54.00	9.32	200.0	V	316.0	8.7
5189.266667	54.27	---	68.20	13.93	100.0	H	189.0	8.7

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

802.11n (HT40) CH38



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

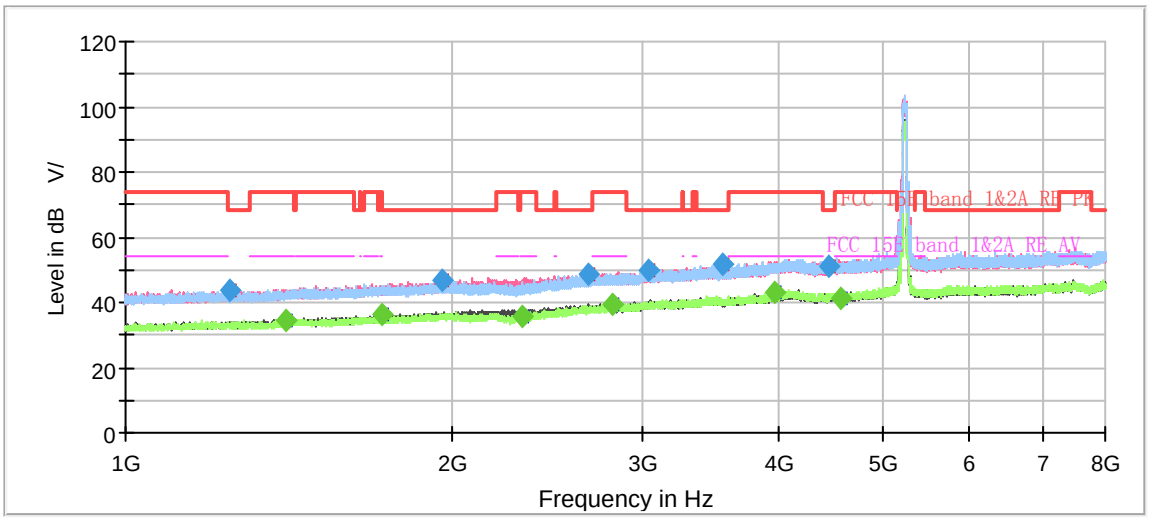


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1267.633333	43.79	---	68.20	24.41	200.0	H	336.0	-6.9
1331.566667	---	34.73	54.00	19.27	200.0	H	86.0	-6.6
1681.566667	---	36.31	54.00	17.69	200.0	H	103.0	-4.6
1998.666667	47.35	---	68.20	20.85	200.0	V	15.0	-2.7
2317.866667	---	36.89	54.00	17.11	100.0	V	337.0	-1.5
2631.933333	48.53	---	68.20	19.67	100.0	V	1.0	0.2
2719.200000	---	39.09	54.00	14.91	200.0	V	300.0	0.6
3096.966667	48.41	---	68.20	19.79	200.0	V	75.0	2.5
3466.800000	51.85	---	68.20	16.35	100.0	V	295.0	3.6
3964.266667	---	42.92	54.00	11.08	200.0	H	223.0	5.9
4433.966667	51.40	---	68.20	16.80	100.0	V	0.0	6.3
4592.633333	---	41.06	54.00	12.94	200.0	V	58.0	6.8

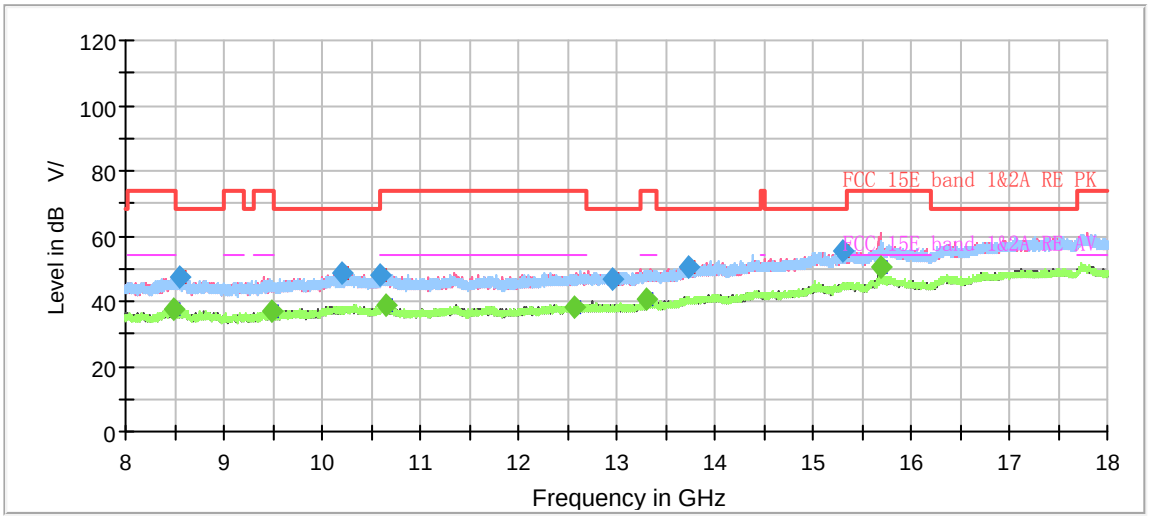
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT40) CH46



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 8GHz

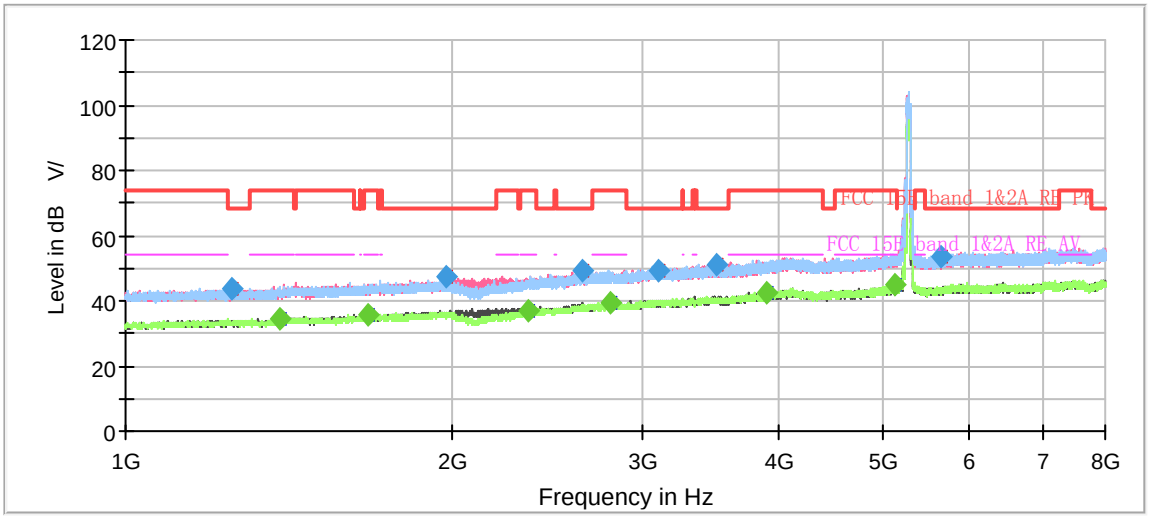


Radiates Emission from 8GHz to 18GHz

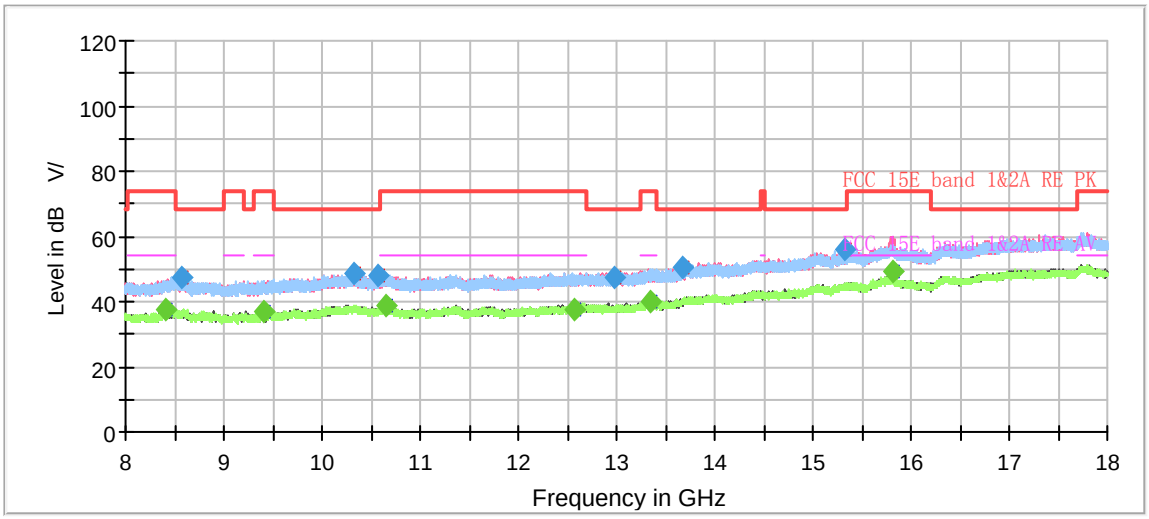
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1246.166667	43.63	---	68.20	24.57	200.0	V	336.0	-7.0
1404.366667	---	34.71	54.00	19.29	200.0	V	277.0	-6.1
1720.766667	---	36.03	54.00	17.97	200.0	V	122.0	-4.4
1954.566667	46.85	---	68.20	21.35	100.0	V	204.0	-2.9
2317.166667	---	35.85	54.00	18.15	200.0	V	242.0	-1.5
2670.666667	48.72	---	68.20	19.48	100.0	V	136.0	0.4
2807.400000	---	39.56	54.00	14.44	200.0	V	9.0	1.0
3033.266667	49.72	---	68.20	18.48	200.0	H	326.0	2.2
3543.800000	51.90	---	68.20	16.30	100.0	H	247.0	3.8
3971.033333	---	43.19	54.00	10.81	100.0	H	335.0	6.0
4451.000000	50.93	---	68.20	17.27	100.0	V	264.0	6.3
4568.133333	---	41.37	54.00	12.63	200.0	V	0.0	6.7

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

802.11n (HT40) CH54



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

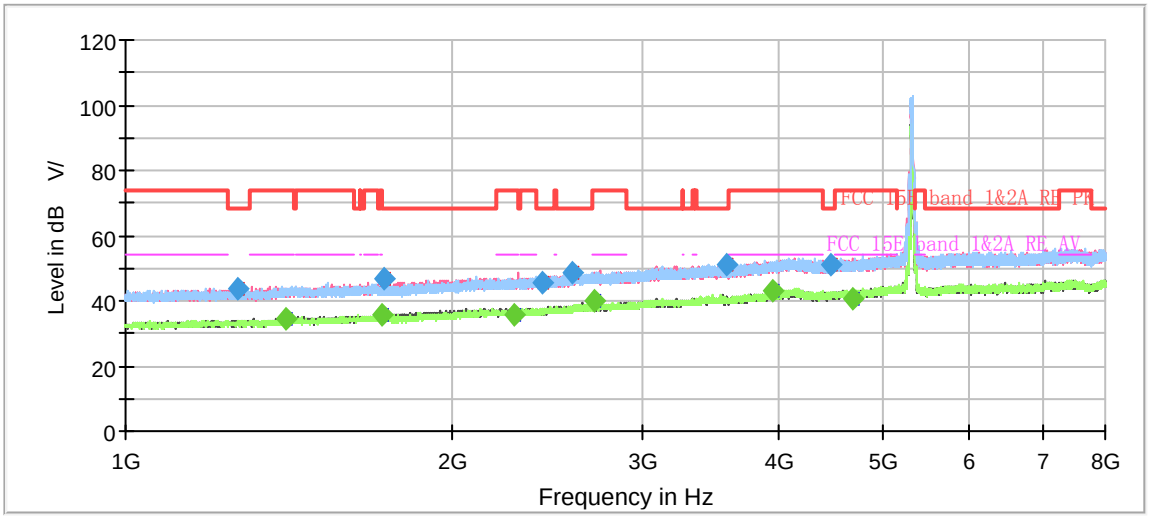


Radiates Emission from 8GHz to 18GHz

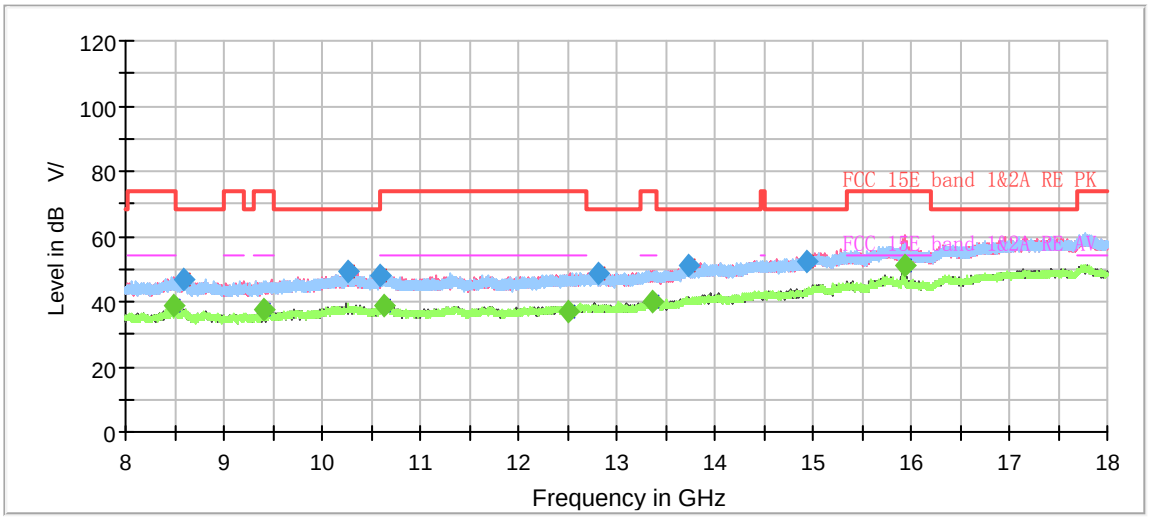
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1250.366667	43.61	---	68.20	24.59	100.0	V	77.0	-7.0
1387.333333	---	34.57	54.00	19.43	100.0	H	0.0	-6.2
1670.833333	---	35.52	54.00	18.48	100.0	H	0.0	-4.7
1970.666667	47.63	---	68.20	20.57	100.0	V	256.0	-2.8
2347.500000	---	36.90	54.00	17.10	100.0	V	59.0	-1.3
2636.366667	49.27	---	68.20	18.94	100.0	V	103.0	0.3
2793.633333	---	39.23	54.00	14.77	200.0	H	353.0	0.9
3094.633333	49.48	---	68.20	18.72	200.0	V	20.0	2.4
3500.166667	51.32	---	68.20	16.88	100.0	H	59.0	3.7
3904.533333	---	42.73	54.00	11.27	200.0	H	110.0	5.5
5122.533333	---	44.80	54.00	9.20	100.0	H	0.0	8.7
5634.700000	53.67	---	68.20	14.53	200.0	H	285.0	9.2

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

802.11n (HT40) CH62



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

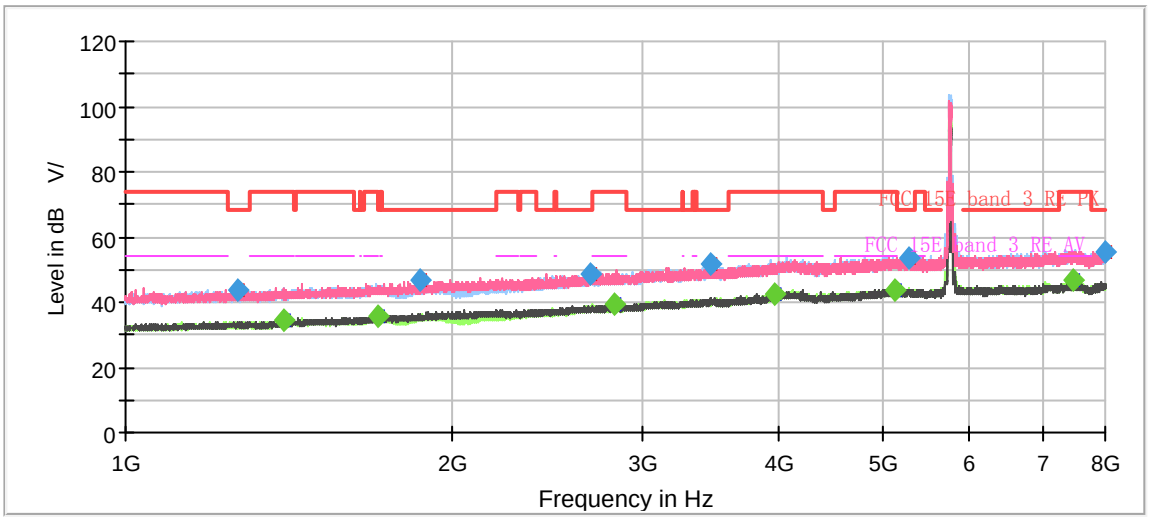


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1269.266667	43.90	---	68.20	24.30	200.0	V	161.0	-6.9
1406.466667	---	34.75	54.00	19.25	100.0	V	231.0	-6.1
1721.000000	---	35.54	54.00	18.46	200.0	V	187.0	-4.4
1734.300000	46.58	---	68.20	21.62	200.0	H	204.0	-4.3
2284.266667	---	35.42	54.00	18.58	200.0	H	286.0	-1.6
2421.466667	45.29	---	68.20	22.91	200.0	V	75.0	-1.0
2585.966667	48.44	---	68.20	19.76	200.0	H	359.0	-0.1
2701.000000	---	39.89	54.00	14.11	100.0	V	289.0	0.6
3587.900000	51.09	---	68.20	17.11	200.0	H	318.0	4.0
3953.066667	---	43.07	54.00	10.93	200.0	H	269.0	5.8
4473.166667	51.26	---	68.20	16.94	200.0	H	261.0	6.4
4679.200000	---	40.89	54.00	13.11	200.0	V	170.0	7.0

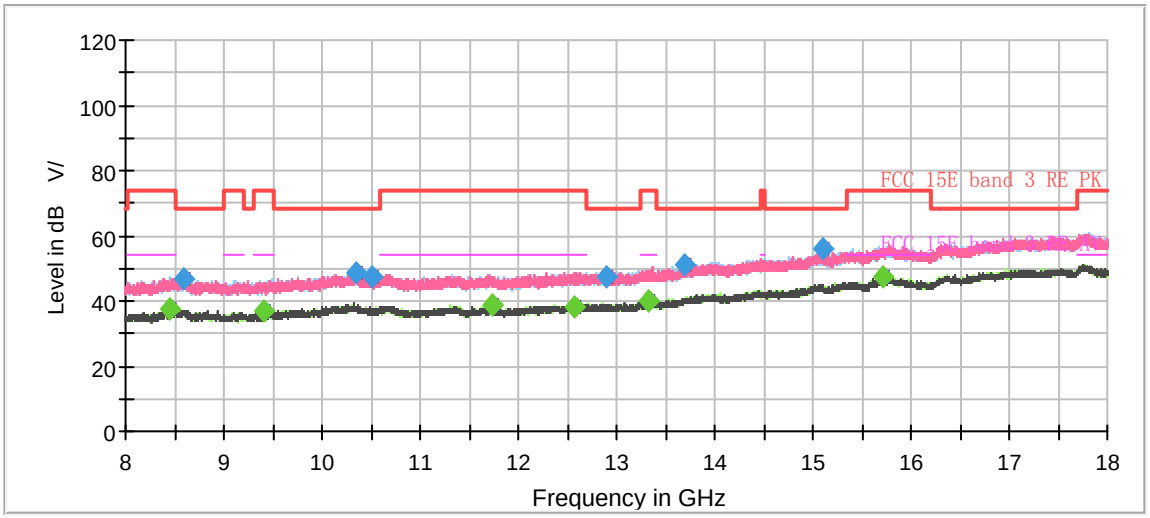
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT40) CH151



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 8GHz

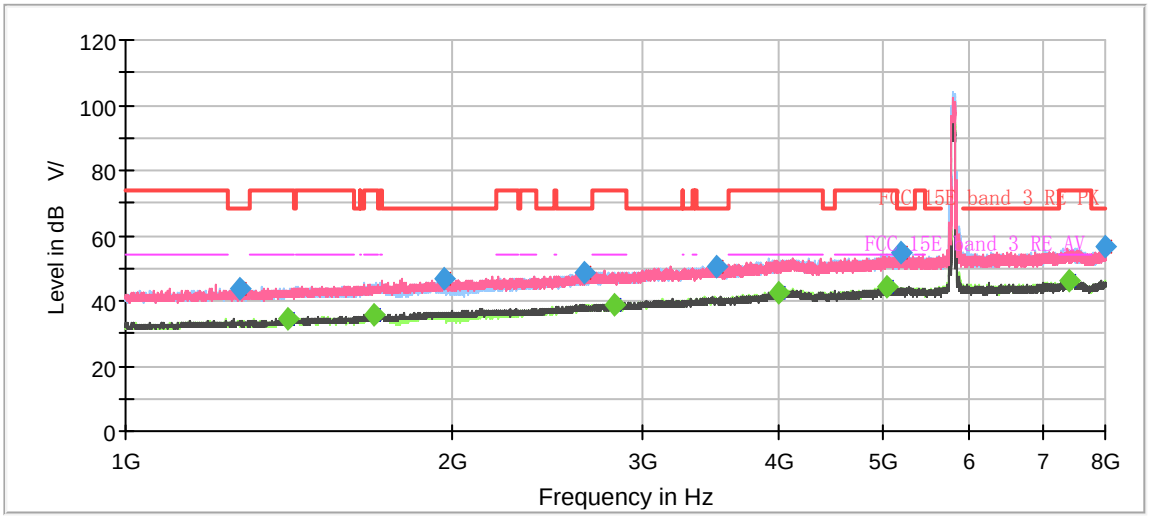


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1266.700000	43.74	---	68.20	24.46	200.0	H	109.0	-6.9
1401.800000	---	34.56	54.00	19.44	200.0	V	153.0	-6.2
1708.633333	---	35.93	54.00	18.07	100.0	H	0.0	-4.4
1871.266667	46.80	---	68.20	21.41	100.0	H	309.0	-3.5
2681.866667	48.35	---	68.20	19.85	200.0	V	196.0	0.5
2828.166667	---	39.45	54.00	14.55	200.0	V	118.0	1.0
3467.966667	51.52	---	68.20	16.68	200.0	V	325.0	3.6
3966.366667	---	42.72	54.00	11.28	200.0	H	126.0	5.9
5116.933333	---	43.98	54.00	10.02	200.0	H	144.0	8.7
5277.466667	53.39	---	68.20	14.81	100.0	H	353.0	8.8
7464.966667	---	46.47	54.00	7.53	200.0	V	232.0	11.5
7999.300000	55.63	---	68.20	12.57	200.0	V	249.0	11.9

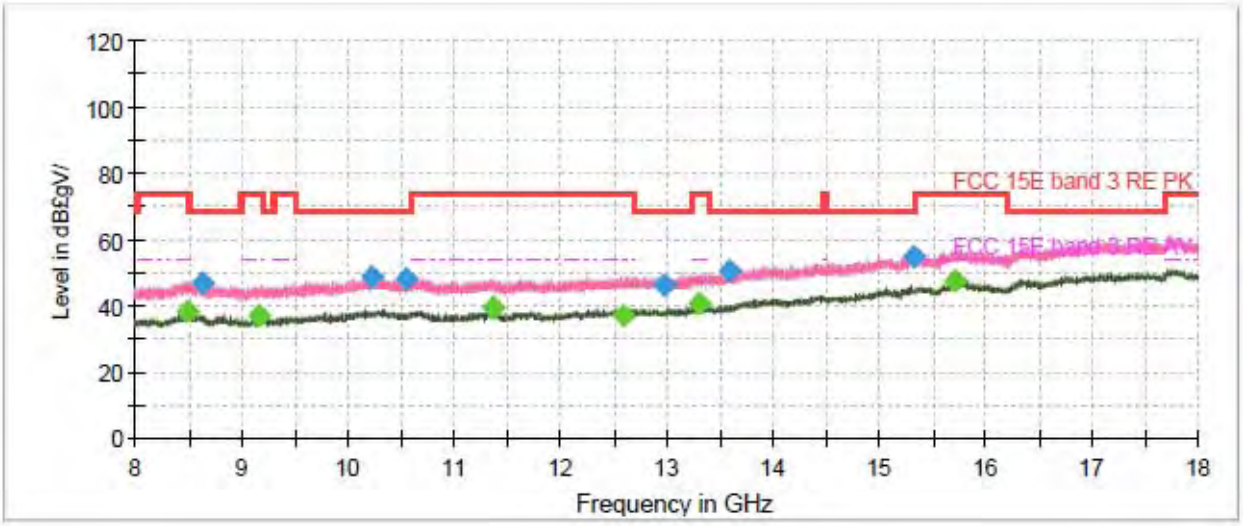
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11n (HT40) CH159



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 8GHz

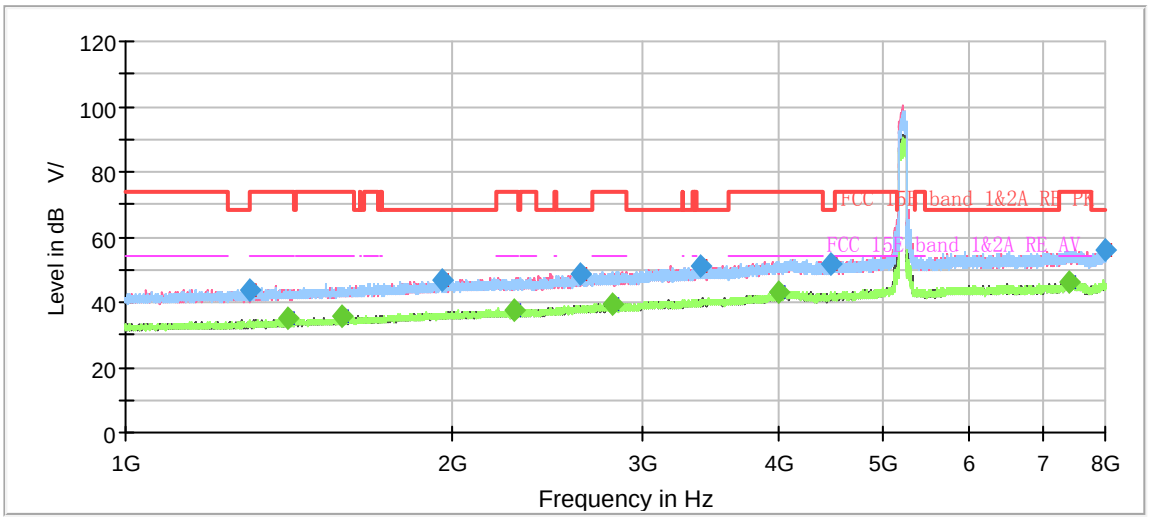


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1273.000000	43.92	---	68.20	24.28	100.0	V	351.0	-6.9
1413.466667	---	34.54	54.00	19.46	100.0	V	88.0	-6.1
1696.733333	---	35.72	54.00	18.28	100.0	H	327.0	-4.5
1964.133333	46.84	---	68.20	21.36	200.0	V	85.0	-2.9
2648.500000	48.76	---	68.20	19.44	100.0	V	0.0	0.3
2824.433333	---	39.06	54.00	14.94	100.0	V	175.0	1.0
3502.733333	50.73	---	68.20	17.47	100.0	V	332.0	3.7
3992.733333	---	42.75	54.00	11.25	200.0	H	58.0	6.1
5039.000000	---	44.18	54.00	9.82	200.0	H	291.0	8.7
5182.966667	54.46	---	68.20	13.74	100.0	H	85.0	8.7
7419.933333	---	46.24	54.00	7.76	100.0	V	271.0	11.5
7986.933333	56.44	---	68.20	11.76	100.0	H	50.0	11.9

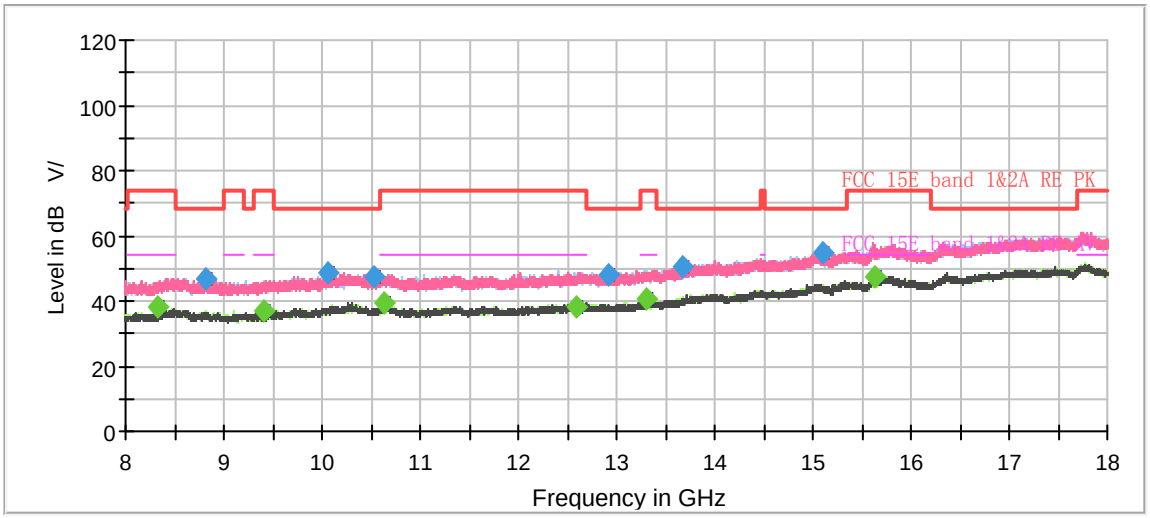
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11ac (VHT80) CH42



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 8GHz

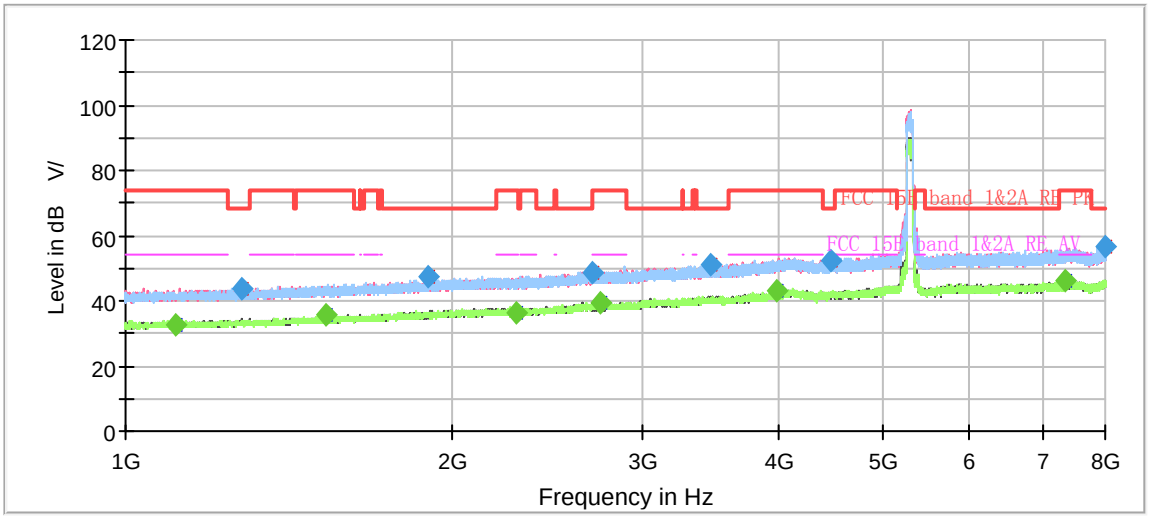


Radiates Emission from 8GHz to 18GHz

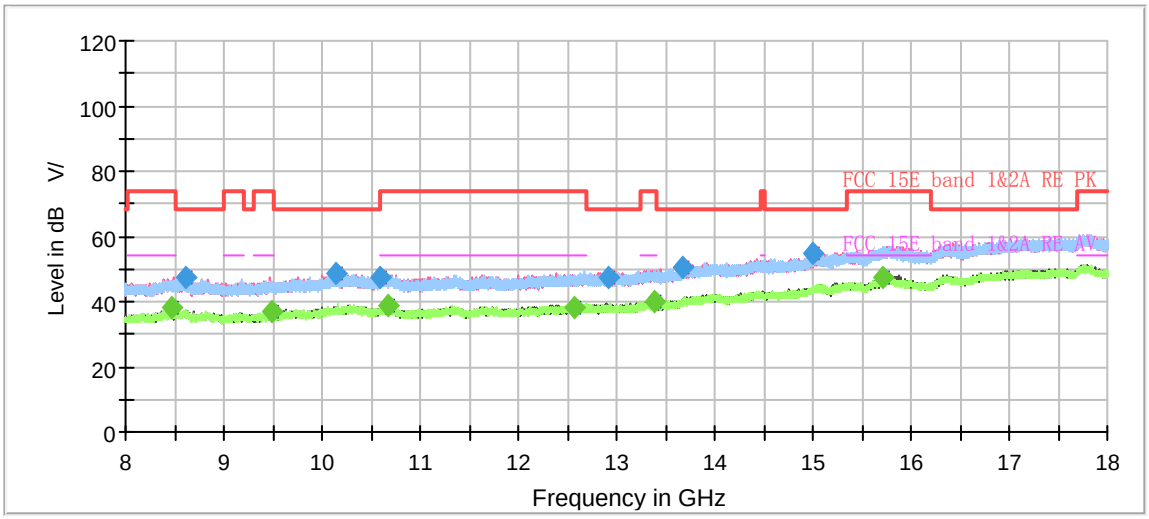
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1299.833333	43.61	---	68.20	24.59	100.0	H	58.0	-6.7
1413.000000	---	35.00	54.00	19.00	100.0	H	226.0	-6.1
1583.333333	---	35.52	54.00	18.48	100.0	V	170.0	-5.1
1961.566667	46.75	---	68.20	21.45	200.0	V	147.0	-2.9
2285.900000	---	37.40	54.00	16.60	200.0	V	156.0	-1.6
2620.266667	48.64	---	68.20	19.56	200.0	H	15.0	0.2
2806.700000	---	39.49	54.00	14.51	100.0	V	336.0	1.0
3386.533333	51.25	---	68.20	16.95	100.0	H	8.0	3.4
3992.266667	---	43.18	54.00	10.82	100.0	H	242.0	6.1
4461.266667	51.80	---	68.20	16.40	200.0	H	58.0	6.4
7400.566667	---	46.16	54.00	7.85	100.0	V	0.0	11.5
7989.733333	56.28	---	68.20	11.92	100.0	H	0.0	11.9

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

802.11ac (VHT80) CH58



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

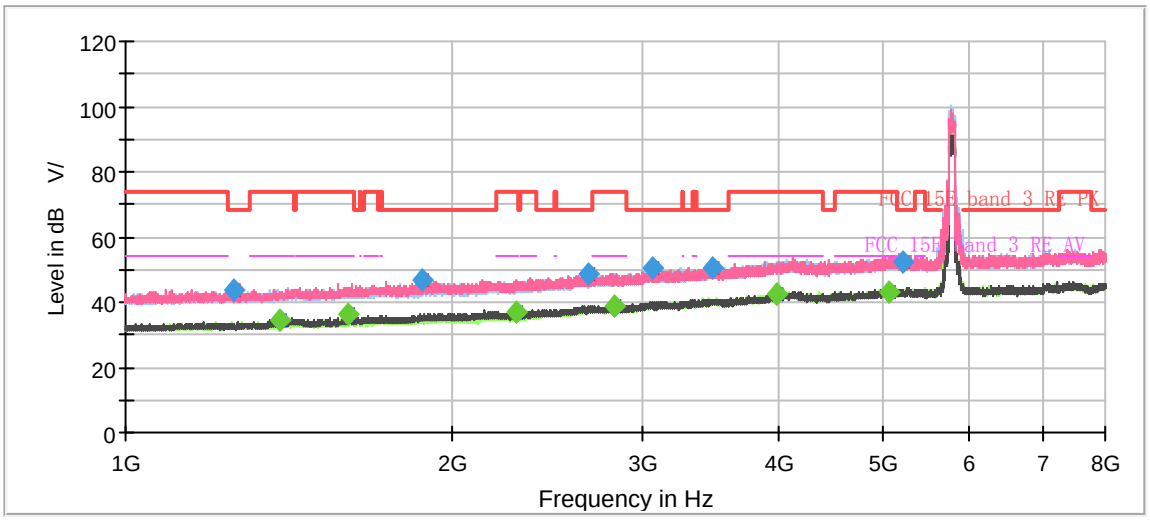


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1114.333333	---	32.47	54.00	21.53	200.0	V	293.0	-7.7
1280.466667	43.72	---	68.20	24.48	100.0	H	226.0	-6.8
1527.333333	---	35.88	54.00	18.12	200.0	H	120.0	-5.4
1903.000000	47.10	---	68.20	21.10	100.0	H	253.0	-3.3
2288.466667	---	36.51	54.00	17.49	200.0	V	344.0	-1.6
2688.400000	48.82	---	68.20	19.38	200.0	H	164.0	0.5
2739.966667	---	39.31	54.00	14.69	100.0	H	40.0	0.7
3458.166667	51.27	---	68.20	16.93	100.0	H	235.0	3.6
3985.033333	---	42.95	54.00	11.05	100.0	V	6.0	6.1
4460.100000	52.10	---	68.20	16.10	100.0	H	337.0	6.4
7349.233333	---	45.97	54.00	8.03	100.0	H	304.0	11.5
7989.966667	56.89	---	68.20	11.31	100.0	V	126.0	11.9

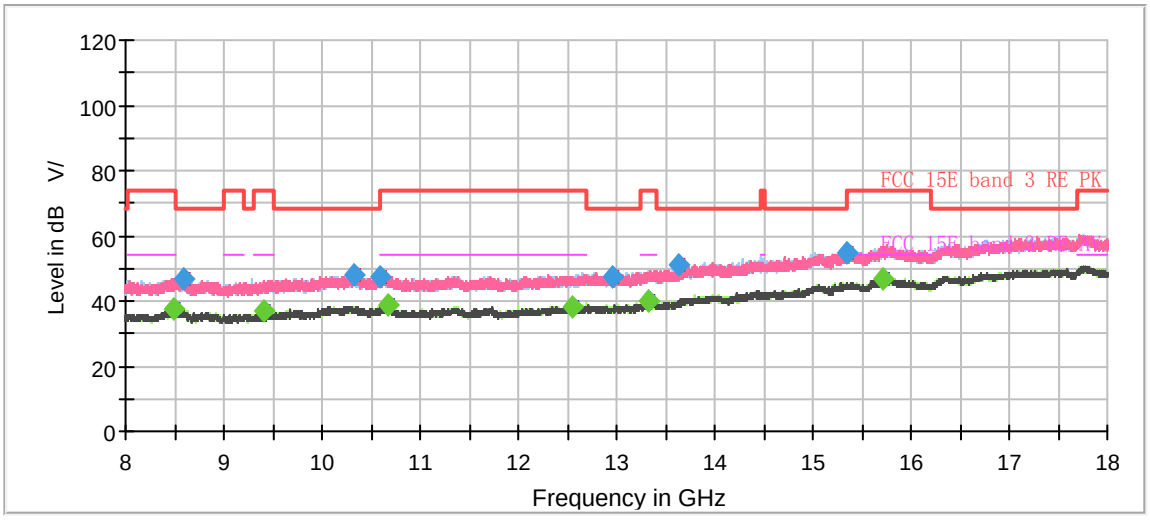
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

802.11ac (VHT80) CH155



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 8GHz

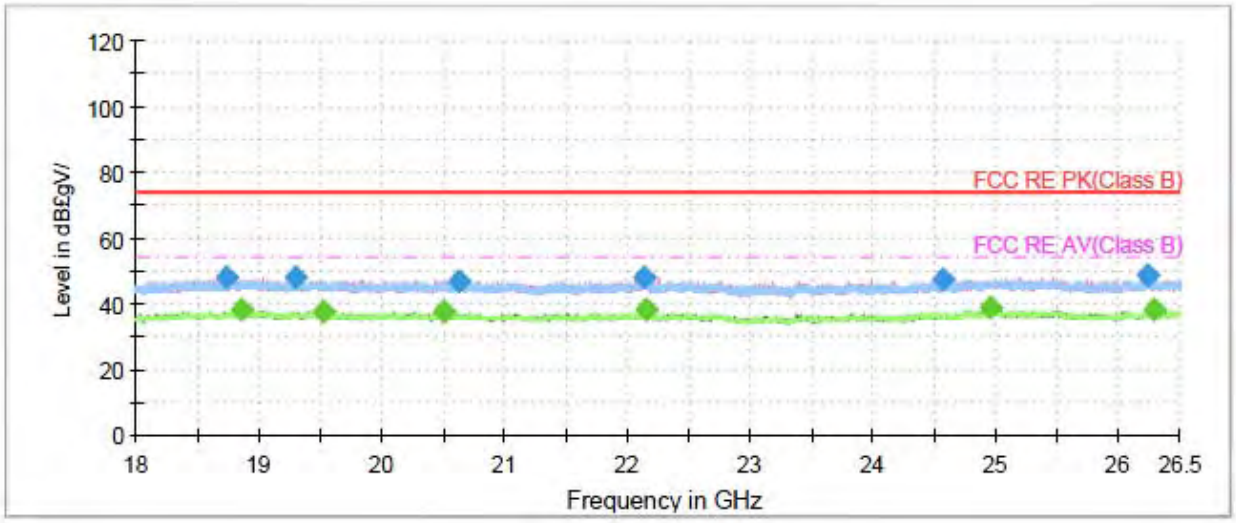


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1257.366667	43.50	---	68.20	24.70	200.0	H	289.0	-7.0
1385.700000	---	34.41	54.00	19.59	200.0	V	254.0	-6.3
1604.100000	---	36.12	54.00	17.88	100.0	V	130.0	-5.0
1873.133333	46.87	---	68.20	21.33	200.0	V	298.0	-3.5
2293.366667	---	36.98	54.00	17.02	100.0	V	195.0	-1.6
2670.666667	48.40	---	68.20	19.80	100.0	V	212.0	0.4
2820.700000	---	38.95	54.00	15.05	200.0	V	218.0	1.0
3063.133333	50.25	---	68.20	17.95	100.0	V	9.0	2.4
3478.000000	50.40	---	68.20	17.80	200.0	H	316.0	3.7
3985.966667	---	42.46	54.00	11.54	100.0	V	256.0	6.1
5053.700000	---	43.30	54.00	10.70	200.0	H	27.0	8.7
5212.600000	52.06	---	68.20	16.14	100.0	H	0.0	8.8

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

During the test, the Radiates Emission from 18GHz to 40GHz was performed in all modes with all channels, 802.11a CH149 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

Radiates Emission from 26.5GHz to 40GHz

5.6. Conducted Emission

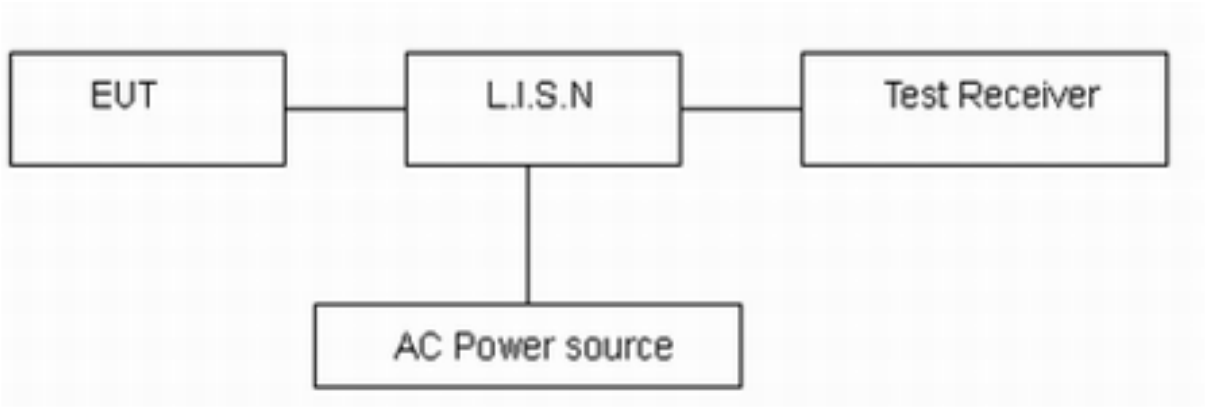
Ambient condition

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 LISN Use EMI receiver to detect the average and Quasi-peak value. RBW is set to 9kHz, VBW is set to 30kHz The measurement result should include both L line and N line.
The test is in transmitting mode.

Test Setup



Note: AC Power source is used to change the voltage 110V/60Hz.

Limits

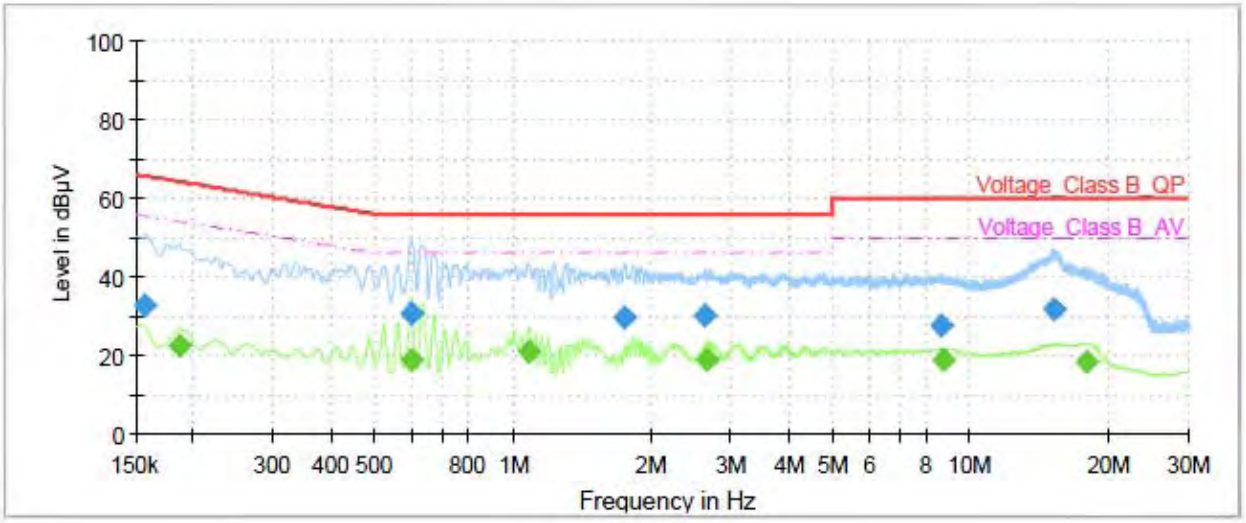
Frequency (MHz)	Conducted Limits(dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56 *	56 to 46*
0.5 - 5	56	46
5 - 30	60	50
*: Decreases with the logarithm of the frequency.		

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 1.96, U= 2.69 dB.

Test Results:

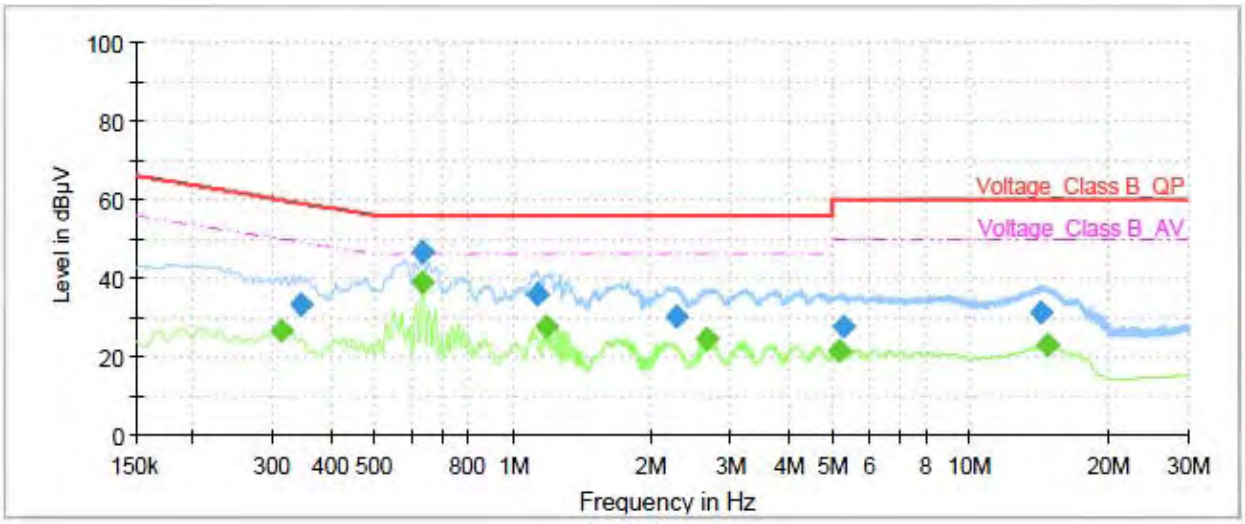
Following plots, Blue trace uses the peak detection and Green trace uses the average detection. During the test, the Conducted Emission was performed in all modes with all channels, 802.11a CH149 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.



Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.16	32.80	---	65.63	32.83	70.0	9.000	L1	ON	21
0.19	---	22.37	54.21	31.84	70.0	9.000	L1	ON	21
0.60	---	18.72	46.00	27.28	70.0	9.000	L1	ON	20
0.60	30.73	---	56.00	25.27	70.0	9.000	L1	ON	20
1.08	---	21.00	46.00	25.00	70.0	9.000	L1	ON	20
1.76	29.75	---	56.00	26.25	70.0	9.000	L1	ON	20
2.63	30.23	---	56.00	25.77	70.0	9.000	L1	ON	19
2.67	---	19.17	46.00	26.83	70.0	9.000	L1	ON	19
8.62	27.52	---	60.00	32.48	70.0	9.000	L1	ON	20
8.71	---	19.20	50.00	30.80	70.0	9.000	L1	ON	20
15.18	31.67	---	60.00	28.33	70.0	9.000	L1	ON	20
18.00	---	18.58	50.00	31.42	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)
0.31	---	26.91	49.92	23.01	70.0	9.000	N	ON	21
0.34	33.11	---	59.12	26.01	70.0	9.000	N	ON	21
0.63	46.60	---	56.00	9.40	70.0	9.000	N	ON	20
0.63	---	38.87	46.00	7.13	70.0	9.000	N	ON	20
1.13	35.66	---	56.00	20.34	70.0	9.000	N	ON	20
1.19	---	27.63	46.00	18.37	70.0	9.000	N	ON	20
2.28	30.38	---	56.00	25.62	70.0	9.000	N	ON	20
2.67	---	24.65	46.00	21.35	70.0	9.000	N	ON	19
5.14	---	21.64	50.00	28.36	70.0	9.000	N	ON	19
5.27	27.78	---	60.00	32.22	70.0	9.000	N	ON	19
14.35	31.03	---	60.00	28.97	70.0	9.000	N	ON	20
14.81	---	23.31	50.00	26.69	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	FSV40	15195-01-00	2021-05-15	2022-05-14
EMI Test Receiver	R&S	ESCI	100948	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	2022-12-15
Horn Antenna	R&S	HF907	102723	2018-08-11	2021-08-10
Horn Antenna	ETS-Lindgren	3160-09	00102643	2021-06-19	2022-06-18
Standard Gain Horn	STEATITE	QSH-SL-26-40 -K-15	16779	2019-12-24	2022-12-23
Broadband Horn Antenna	SCHWARZBECK	BBHA 9120D	430	2018-07-07	2021-07-06
				2021-07-06	2023-07-05
EMI Test Receiver	R&S	ESR	101667	2021-05-16	2022-05-15
LISN	R&S	ENV216	101171	2018-12-15	2021-12-14
Spectrum Analyzer	KEYSIGHT	N9020A	MY54420163	2020-12-13	2021-12-12
RF Cable	Agilent	SMA 15cm	0001	2021-06-09	2021-12-08
TEMPERATURE CHAMBER	WEISS	VT4002	582261194500 10	2020-12-13	2021-12-12
WLAN AP	Cisco	Air-AP1262N-A-K9	LDK102073 (FCC ID)	/	/
Power Meter	R&S	NRP	104306	2021-05-15	2022-05-14
Power Sensor	R&S	NRP-Z21	104799	2021-05-15	2022-05-14
DC Power Supply	GWINSTEK	GPS-3030D	GEP882653	2021-05-15	2022-05-14
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.