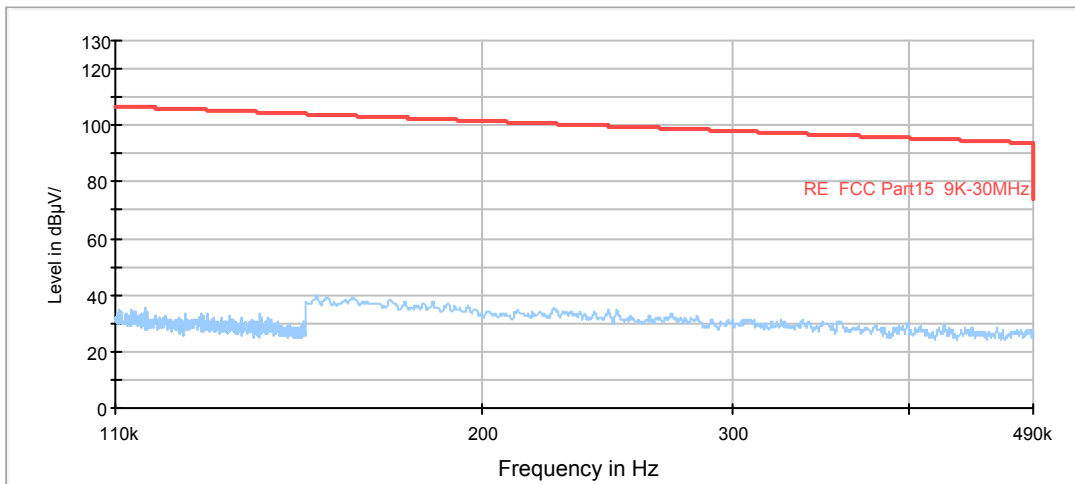
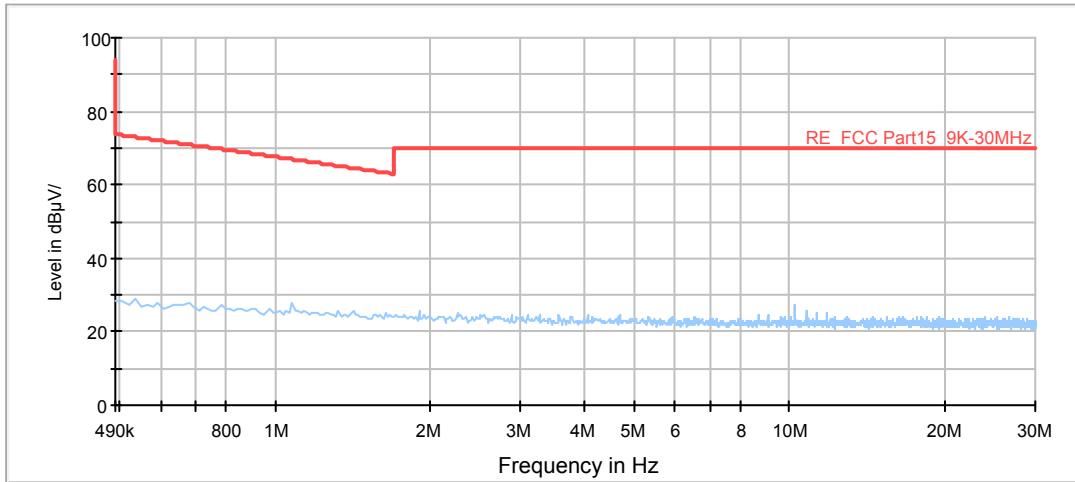


FCC RE 110K-490KHz AV

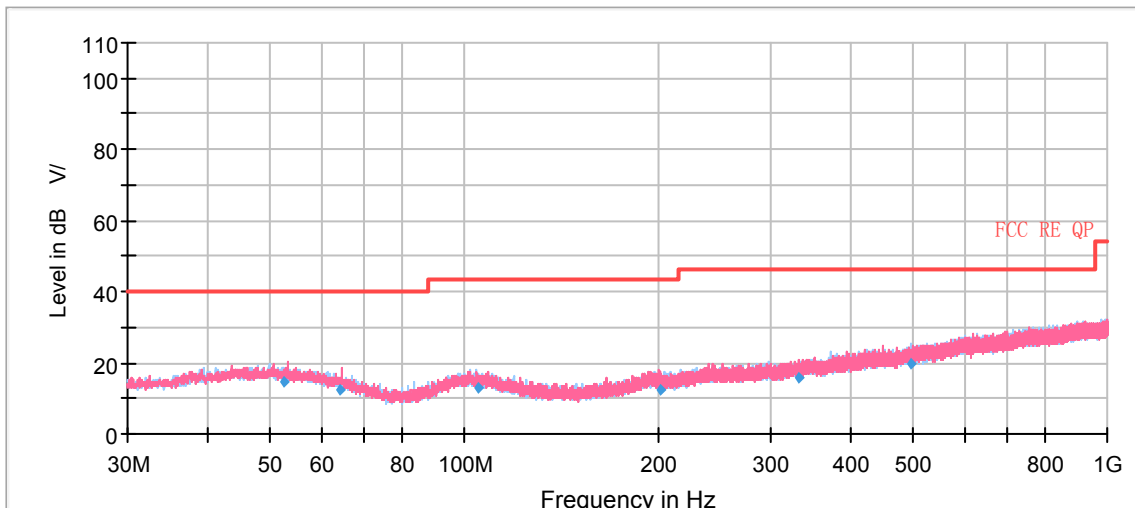


Radiates Emission from 110KHz to 490KHz

FCC RE 490K-30MHz QP



Radiates Emission from 490KHz to 30MHz



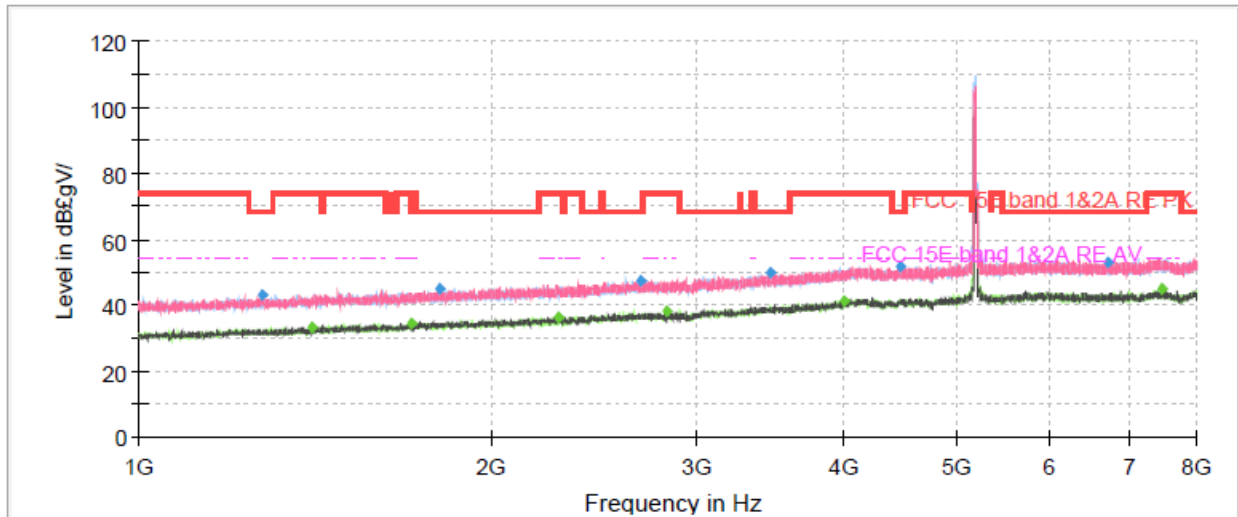
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
52.647667	14.60	184.0	V	294.0	20	25.40	40.00
64.027333	12.57	209.0	V	191.0	18	27.43	40.00
105.063667	13.13	184.0	H	318.0	19	30.37	43.50
201.814333	12.61	125.0	V	243.0	18	30.89	43.50
332.336333	16.00	225.0	V	201.0	21	30.00	46.00
494.697333	19.76	125.0	H	348.0	25	26.24	46.00

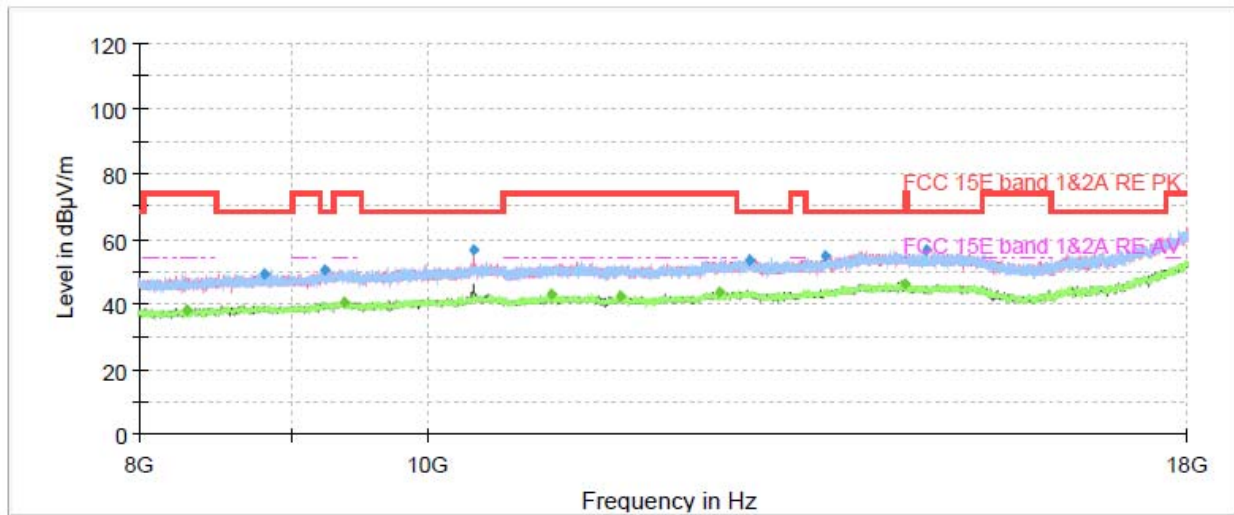
Remark: 1. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)
 2. Margin = Limit – Quasi-Peak



802.11a CH36



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



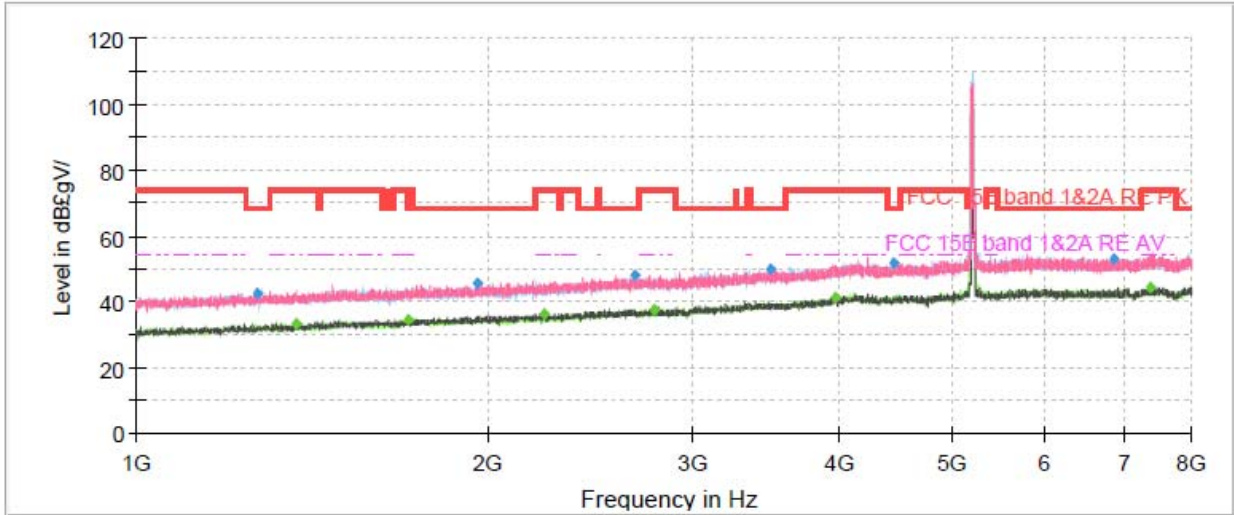
Radiates Emission from 8GHz to 18GHz



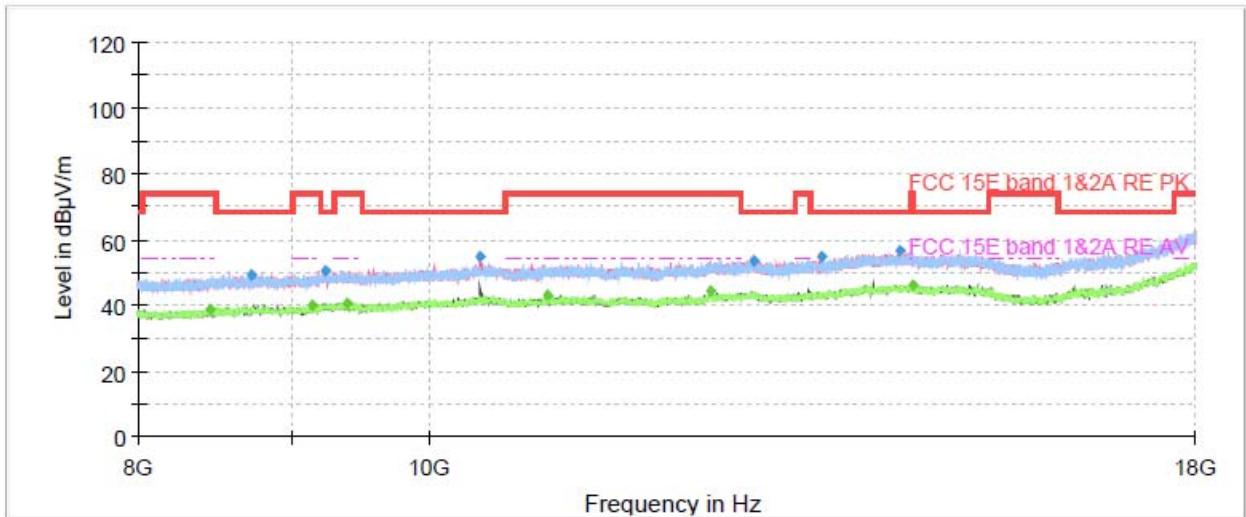
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1271.600000	43.00	---	68.20	25.20	100.0	V	34.0	-7
1405.066667	---	33.36	54.00	20.64	200.0	V	10.0	-6
1705.600000	---	34.70	54.00	19.30	200.0	H	247.0	-5
1804.766667	45.20	---	68.20	23.00	200.0	V	219.0	-4
2285.200000	---	36.27	54.00	17.73	100.0	V	276.0	-2
2677.900000	47.45	---	68.20	20.75	100.0	H	268.0	0
2826.300000	---	37.94	54.00	16.06	200.0	V	150.0	1
3464.933333	49.90	---	68.20	18.30	200.0	V	56.0	4
3997.400000	---	41.22	54.00	12.78	100.0	H	103.0	6
4460.566667	51.74	---	68.20	16.46	200.0	H	31.0	7
6714.333333	53.14	---	68.20	15.06	200.0	V	172.0	10
7481.300000	---	44.92	54.00	9.08	200.0	H	67.0	11

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

802.11a CH40



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



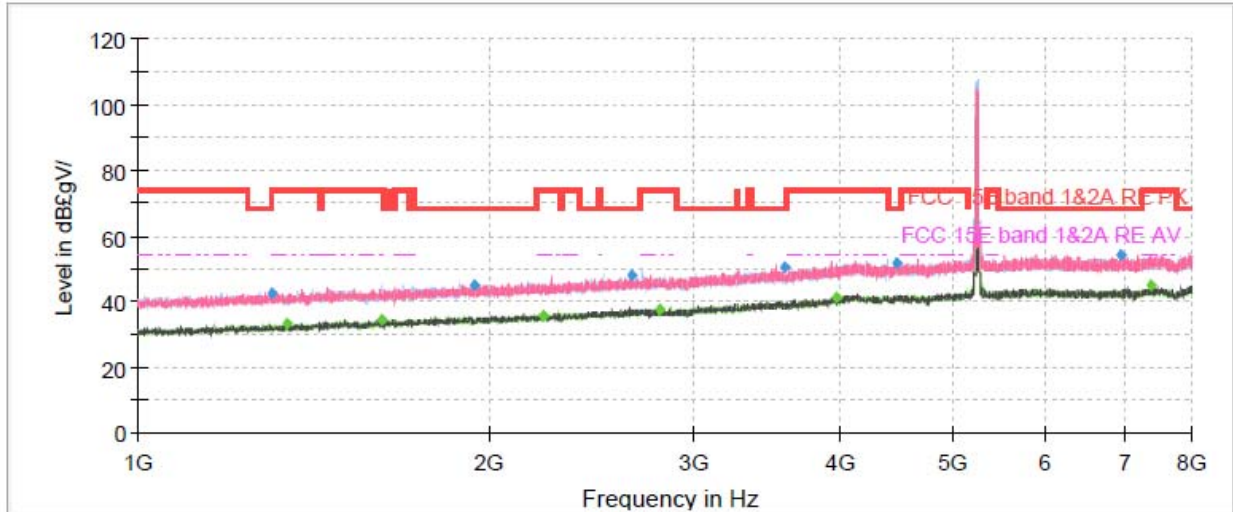
Radiates Emission from 8GHz to 18GHz



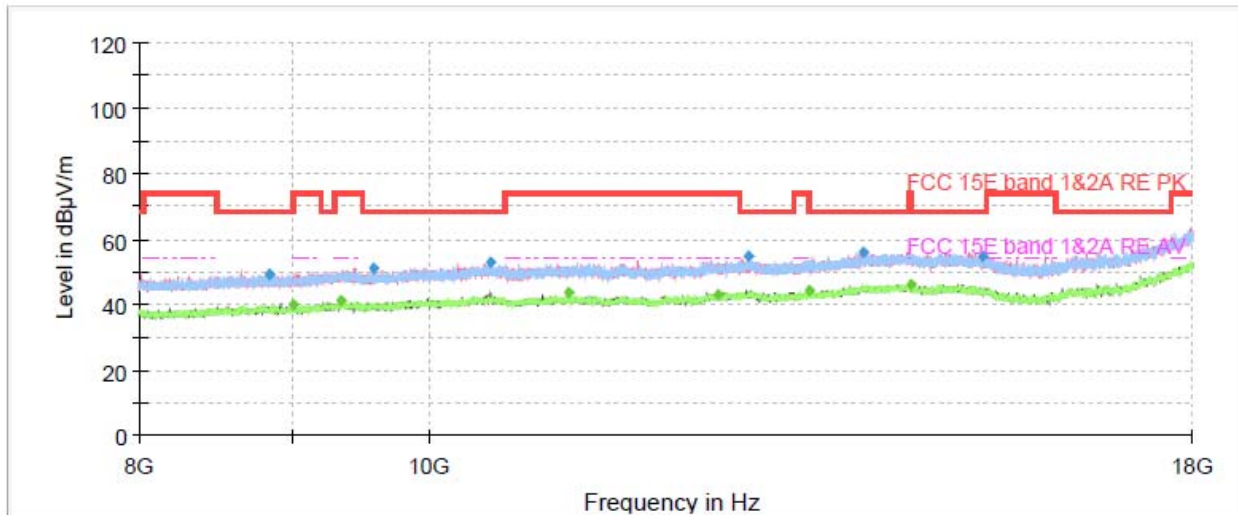
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1266.700000	42.60	---	68.20	25.60	200.0	V	0.0	-7
1371.000000	---	33.43	54.00	20.57	200.0	H	295.0	-7
1706.766667	---	34.49	54.00	19.51	200.0	H	166.0	-5
1957.833333	45.43	---	68.20	22.77	200.0	H	295.0	-3
2229.200000	---	36.22	54.00	17.78	100.0	V	79.0	-2
2674.166667	48.23	---	68.20	19.97	100.0	V	271.0	0
2777.066667	---	37.74	54.00	16.26	200.0	V	347.0	1
3488.500000	49.95	---	68.20	18.25	100.0	H	222.0	4
3971.266667	---	41.53	54.00	12.47	100.0	V	143.0	6
4446.333333	51.64	---	68.20	16.56	200.0	H	142.0	7
6871.366667	53.07	---	68.20	15.13	200.0	V	0.0	11
7382.833333	---	44.55	54.00	9.45	200.0	V	171.0	11

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

802.11a CH48



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



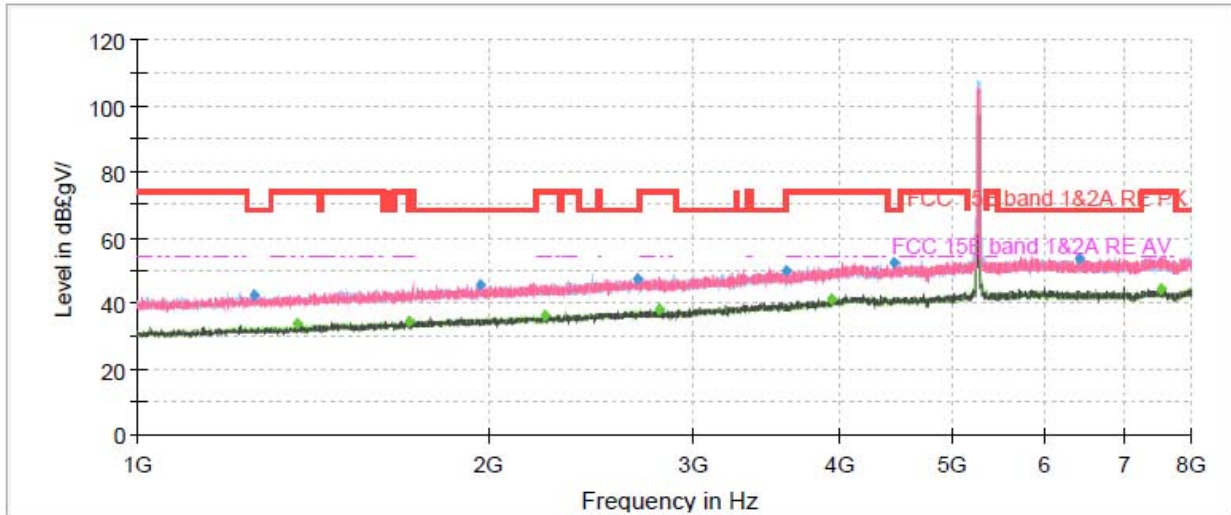
Radiates Emission from 8GHz to 18GHz



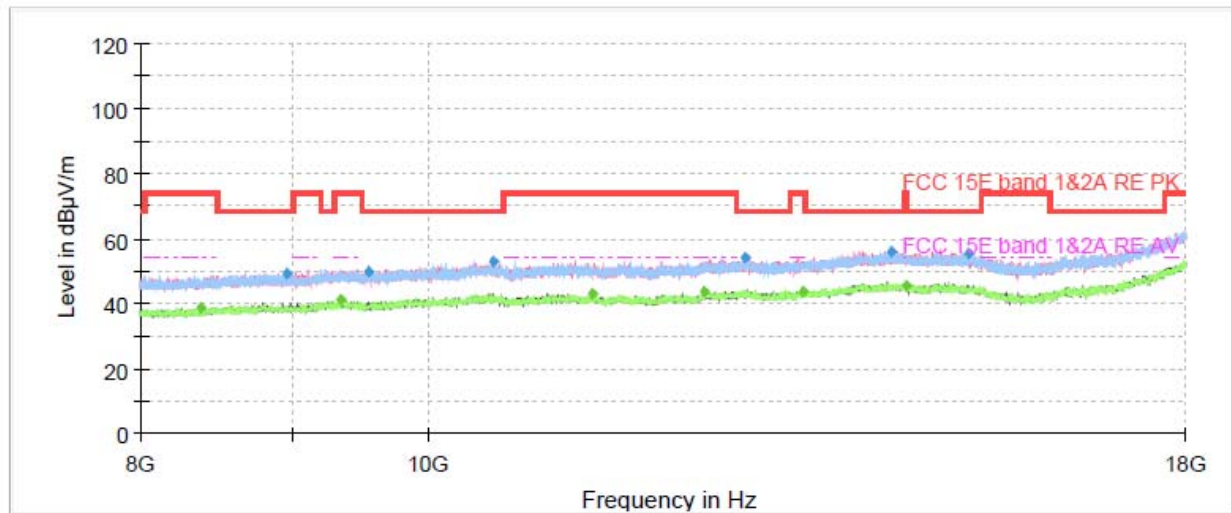
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1299.833333	42.51	---	68.20	25.69	200.0	V	98.0	-7
1342.533333	---	33.29	54.00	20.71	100.0	V	57.0	-7
1615.533333	---	34.40	54.00	19.60	100.0	V	347.0	-5
1937.533333	45.11	---	68.20	23.09	100.0	H	103.0	-3
2224.766667	---	35.75	54.00	18.25	100.0	H	51.0	-2
2650.366667	47.92	---	68.20	20.28	200.0	V	313.0	0
2801.333333	---	37.79	54.00	16.21	100.0	H	28.0	1
3579.966667	50.17	---	68.20	18.03	100.0	V	67.0	4
3974.300000	---	41.32	54.00	12.68	200.0	H	161.0	6
4466.866667	51.57	---	68.20	16.63	100.0	H	129.0	7
6945.800000	53.95	---	68.20	14.25	200.0	V	313.0	11
7384.000000	---	44.62	54.00	9.38	200.0	V	329.0	11

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

802.11a CH52



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



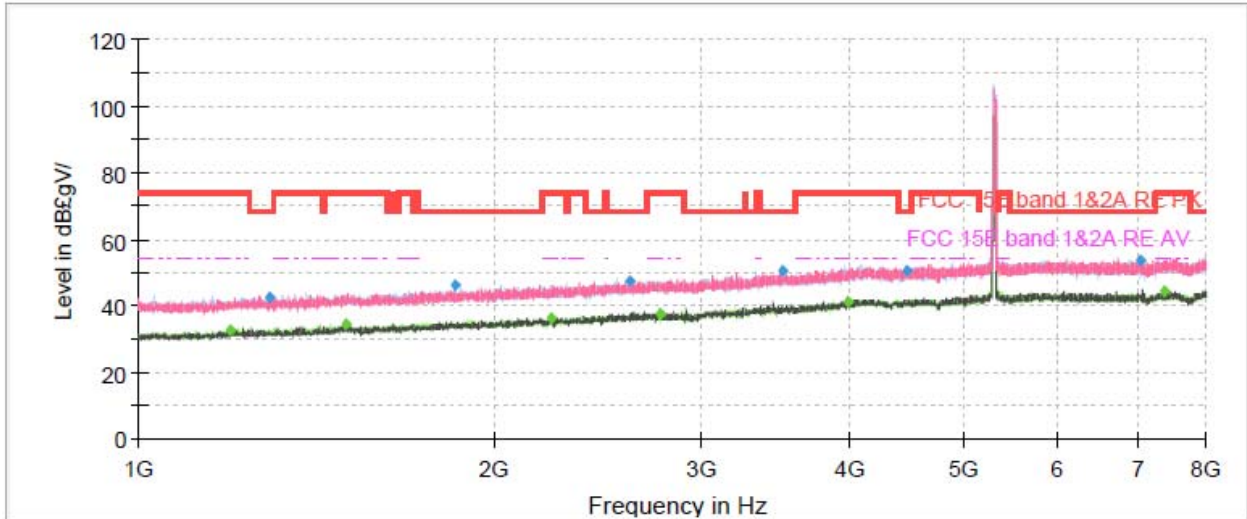
Radiates Emission from 8GHz to 18GHz



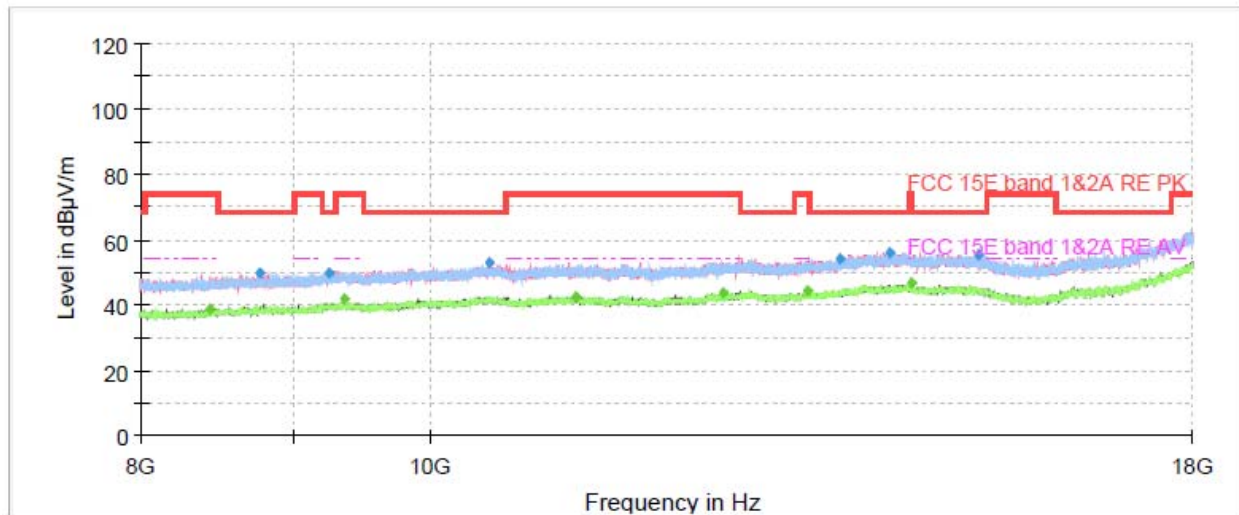
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1256.900000	42.28	---	68.20	25.92	200.0	V	68.0	-7
1372.166667	---	33.66	54.00	20.34	200.0	H	344.0	-7
1707.233333	---	34.40	54.00	19.60	100.0	V	68.0	-5
1969.266667	45.51	---	68.20	22.69	200.0	V	11.0	-3
2231.766667	---	36.17	54.00	17.83	200.0	V	45.0	-2
2680.233333	47.34	---	68.20	20.86	100.0	V	4.0	0
2801.100000	---	37.89	54.00	16.11	100.0	V	8.0	1
3589.766667	49.97	---	68.20	18.23	100.0	V	344.0	4
3927.633333	---	41.47	54.00	12.53	100.0	V	298.0	6
4454.966667	52.33	---	68.20	15.87	100.0	H	151.0	7
6399.800000	53.70	---	68.20	14.50	200.0	V	138.0	10
7548.033333	---	44.09	54.00	9.91	100.0	V	0.0	11

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

802.11a CH60



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



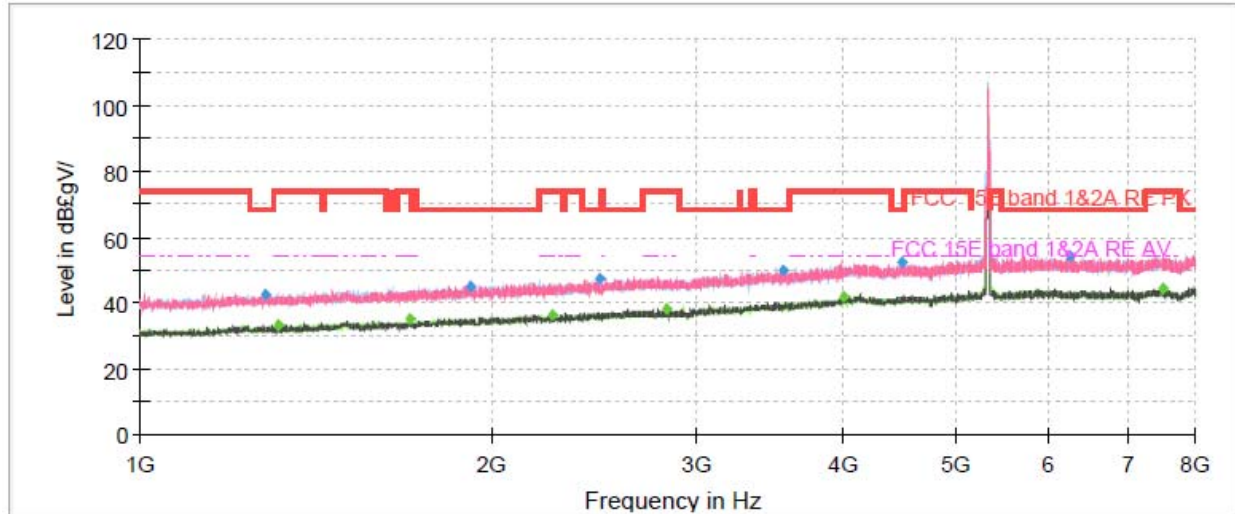
Radiates Emission from 8GHz to 18GHz



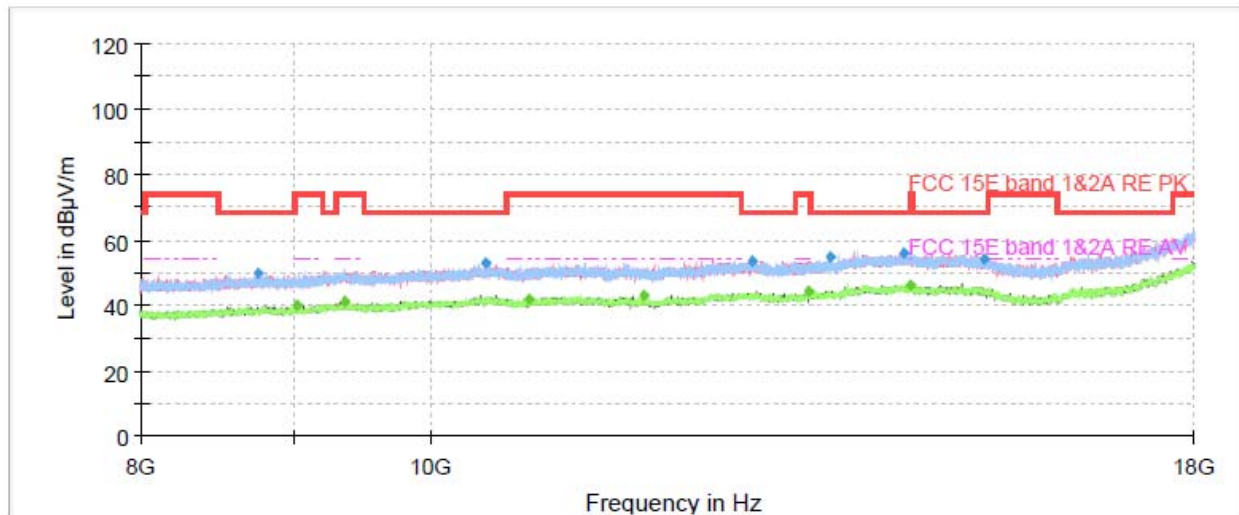
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1196.933333	---	32.46	54.00	21.54	100.0	H	74.0	-8
1289.100000	42.54	---	68.20	25.66	100.0	H	40.0	-7
1500.033333	---	34.71	54.00	19.29	100.0	H	215.0	-6
1851.200000	46.02	---	68.20	22.18	200.0	H	341.0	-4
2238.533333	---	36.08	54.00	17.92	100.0	V	334.0	-2
2606.500000	47.60	---	68.20	20.60	100.0	V	112.0	0
2768.200000	---	37.81	54.00	16.19	200.0	H	358.0	1
3508.100000	50.16	---	68.20	18.04	200.0	H	307.0	4
3977.100000	---	41.22	54.00	12.78	100.0	V	357.0	6
4462.200000	50.76	---	68.20	17.44	100.0	V	3.0	7
7050.333333	53.74	---	68.20	14.46	100.0	H	145.0	11
7388.200000	---	44.45	54.00	9.55	200.0	H	3.0	11

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

802.11a CH64



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



Radiates Emission from 8GHz to 18GHz

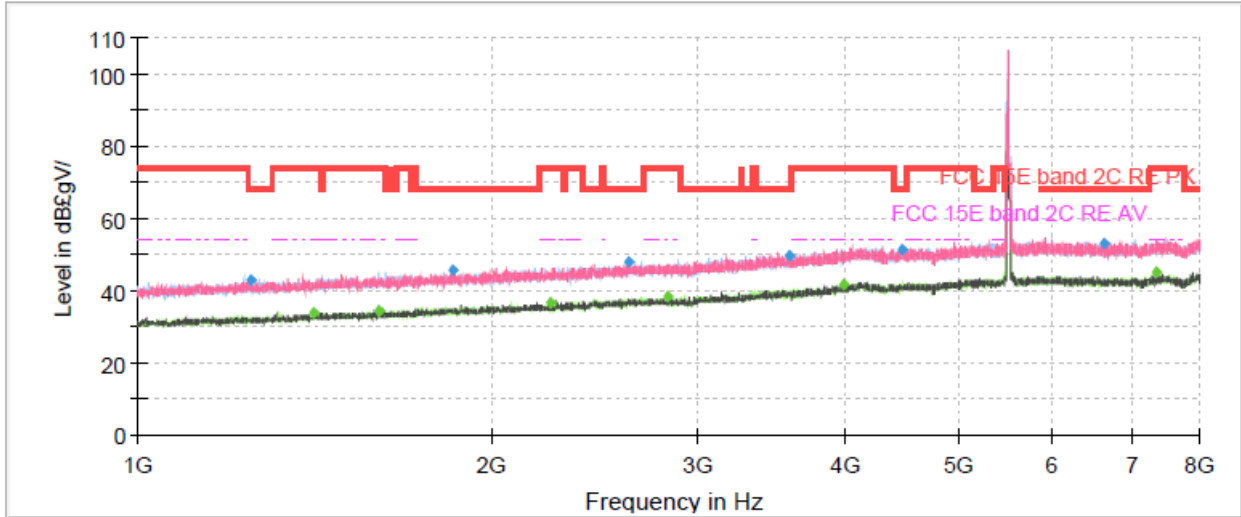


Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1278.833333	42.34	---	68.20	25.86	200.0	V	359.0	-7
1312.200000	---	33.42	54.00	20.58	200.0	V	15.0	-7
1698.600000	---	34.82	54.00	19.18	200.0	V	72.0	-5
1914.200000	45.21	---	68.20	22.99	200.0	H	0.0	-3
2257.666667	---	36.04	54.00	17.96	100.0	H	295.0	-2
2478.400000	47.52	---	68.20	20.68	200.0	H	193.0	-1
2819.766667	---	37.85	54.00	16.15	100.0	V	38.0	1
3552.666667	49.59	---	68.20	18.61	100.0	V	183.0	4
3992.033333	---	41.88	54.00	12.12	200.0	V	346.0	6
4483.900000	52.15	---	68.20	16.05	100.0	H	13.0	7
6244.633333	54.30	---	68.20	13.90	100.0	V	195.0	10
7496.700000	---	44.59	54.00	9.41	100.0	V	285.0	11

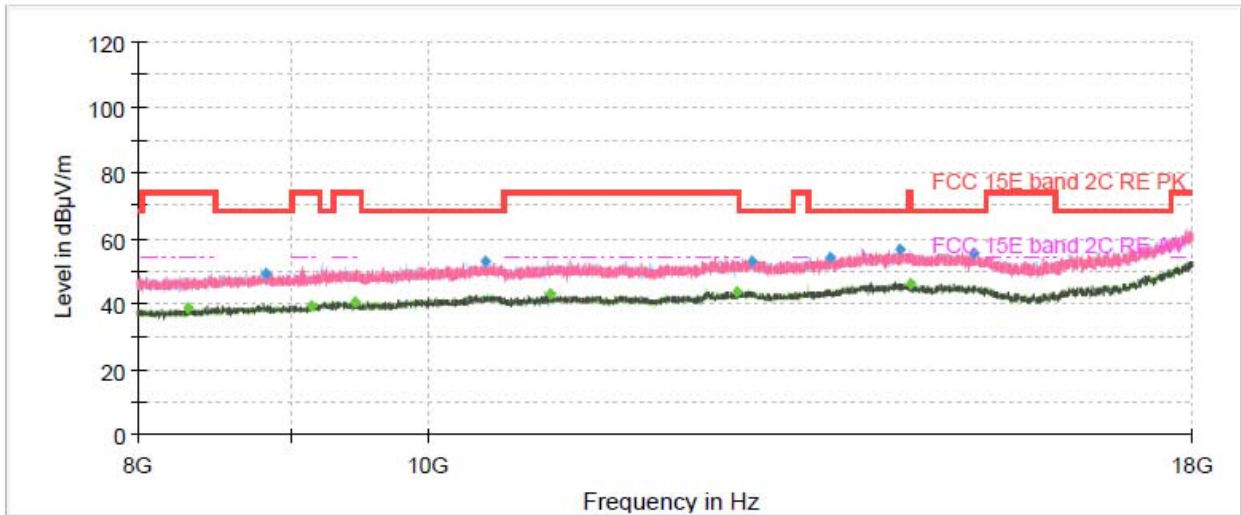
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)



802.11a CH100



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



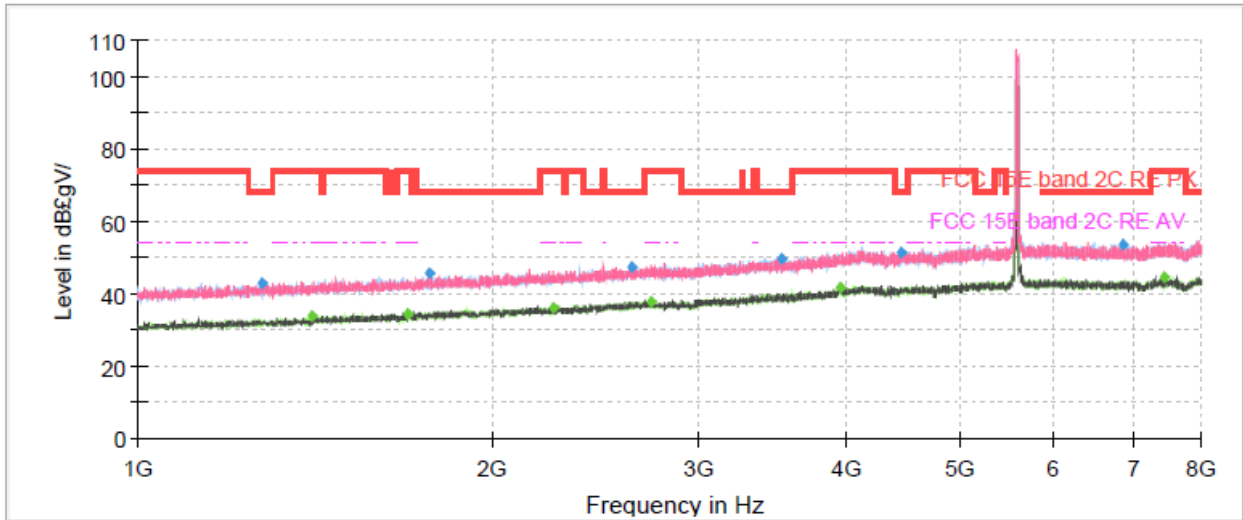
Radiates Emission from 8GHz to 18GHz



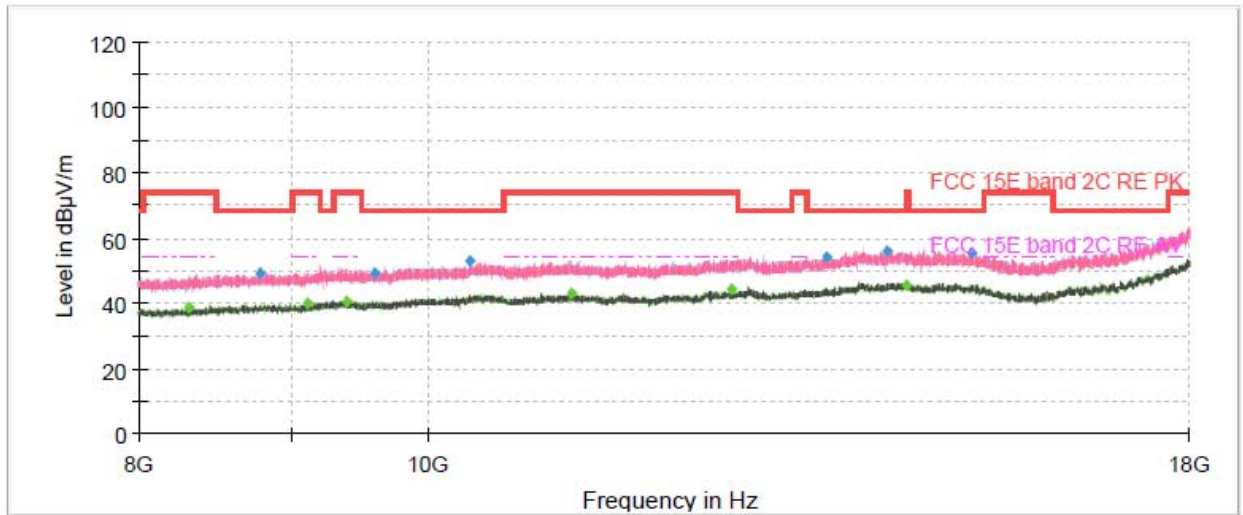
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1249.900000	43.08	---	68.20	25.12	100.0	V	269.0	-7
1411.833333	---	33.85	54.00	20.15	200.0	H	46.0	-6
1602.933333	---	34.62	54.00	19.38	200.0	H	63.0	-5
1854.700000	45.61	---	68.20	22.59	200.0	V	348.0	-4
2248.100000	---	36.51	54.00	17.49	200.0	H	296.0	-2
2612.333333	47.92	---	68.20	20.28	100.0	V	230.0	0
2822.100000	---	38.25	54.00	15.75	100.0	V	256.0	1
3581.133333	49.91	---	68.20	18.29	200.0	H	164.0	4
3983.866667	---	41.57	54.00	12.43	100.0	V	350.0	6
4458.466667	51.14	---	68.20	17.06	100.0	H	197.0	7
6648.300000	52.90	---	68.20	15.30	100.0	V	216.0	10
7333.366667	---	44.96	54.00	9.04	100.0	V	170.0	11

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

802.11a CH116



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



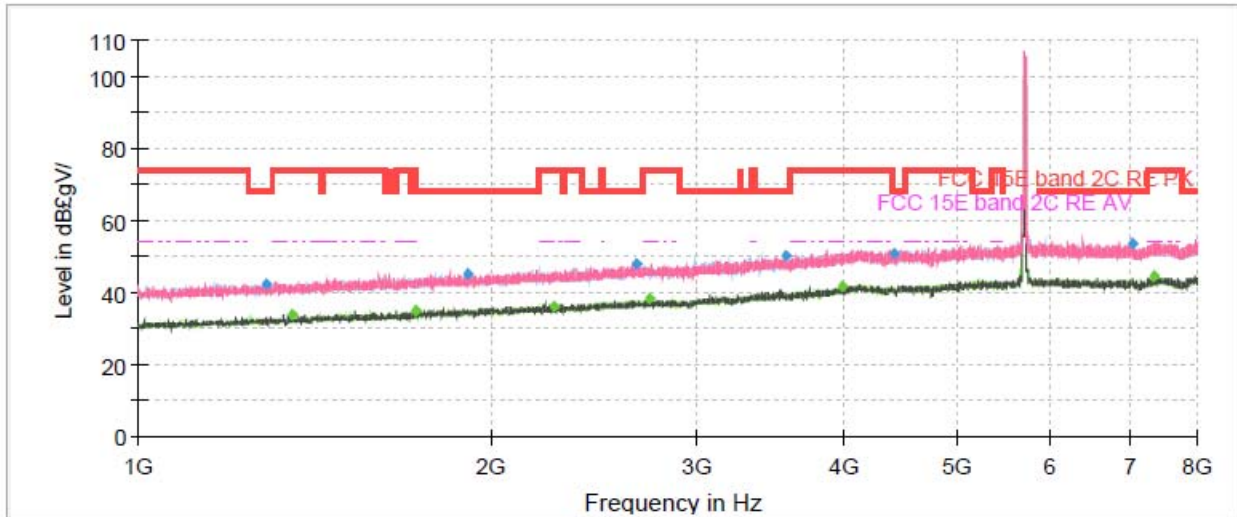
Radiates Emission from 8GHz to 18GHz



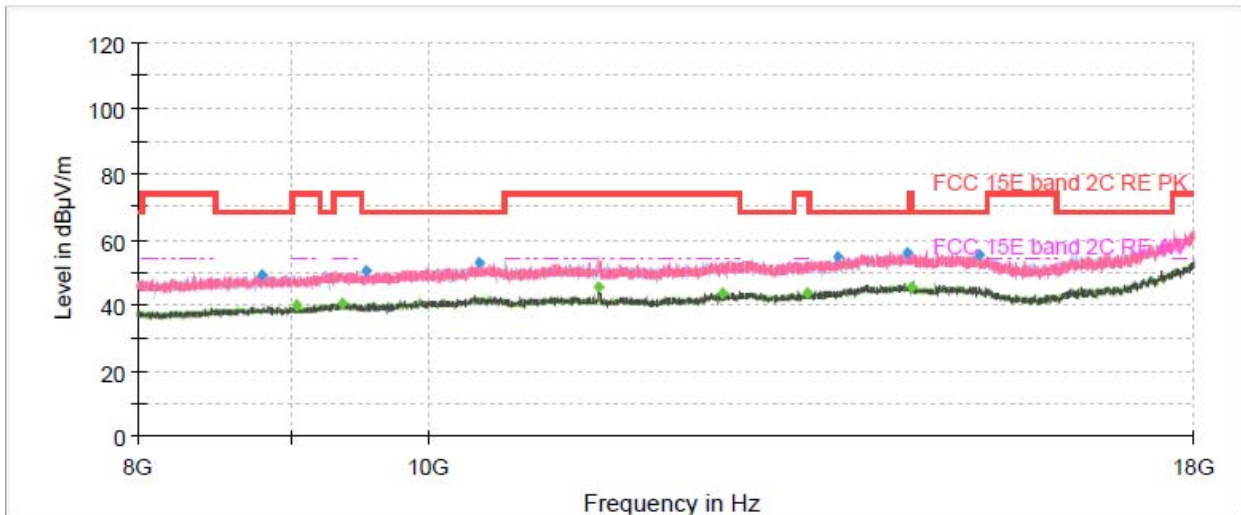
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1272.300000	42.77	---	68.20	25.43	200.0	V	73.0	-7
1403.200000	---	34.07	54.00	19.93	200.0	V	328.0	-6
1697.433333	---	34.50	54.00	19.50	100.0	V	324.0	-5
1767.200000	45.44	---	68.20	22.76	100.0	V	229.0	-4
2248.800000	---	36.22	54.00	17.78	100.0	V	358.0	-2
2628.666667	47.40	---	68.20	20.80	100.0	H	74.0	0
2731.333333	---	37.93	54.00	16.07	200.0	H	316.0	1
3519.766667	49.75	---	68.20	18.45	200.0	H	89.0	4
3940.933333	---	41.48	54.00	12.52	200.0	V	226.0	6
4452.866667	51.33	---	68.20	16.87	100.0	V	243.0	7
6875.800000	53.41	---	68.20	14.79	100.0	V	297.0	11
7440.000000	---	44.56	54.00	9.44	100.0	V	215.0	11

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

802.11a CH140



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



Radiates Emission from 8GHz to 18GHz

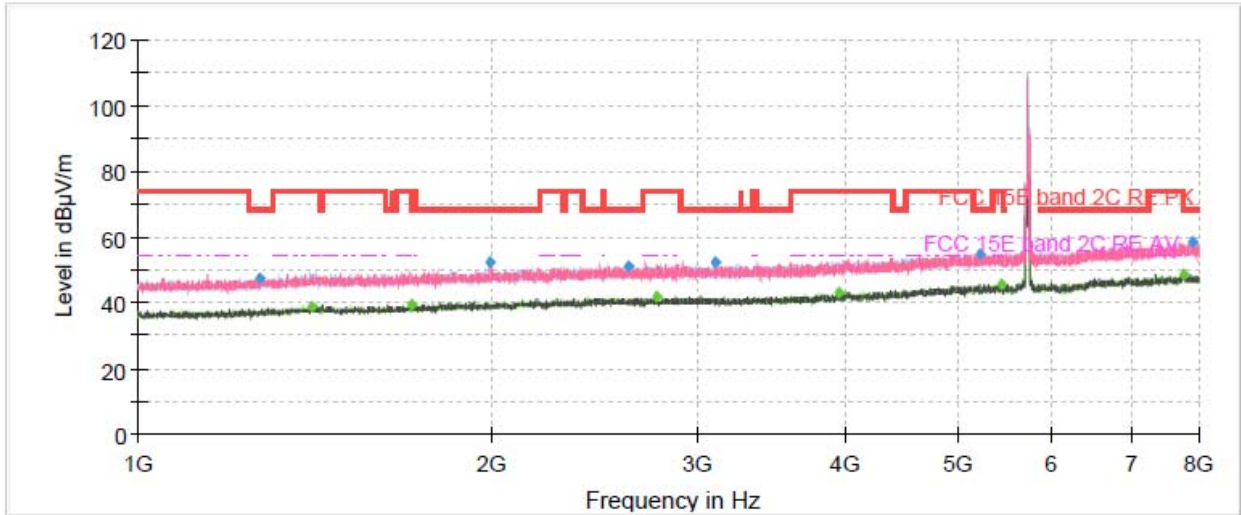


Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1284.200000	42.45	---	68.20	25.75	100.0	H	255.0	-7
1352.566667	---	33.70	54.00	20.30	100.0	V	352.0	-7
1720.300000	---	34.76	54.00	19.24	200.0	H	77.0	-4
1911.166667	45.08	---	68.20	23.12	200.0	H	191.0	-3
2263.266667	---	36.24	54.00	17.76	200.0	H	290.0	-2
2657.833333	47.79	---	68.20	20.41	200.0	H	39.0	0
2728.766667	---	38.09	54.00	15.91	200.0	H	17.0	1
3573.200000	49.98	---	68.20	18.22	200.0	H	226.0	4
3988.300000	---	41.73	54.00	12.27	200.0	V	50.0	6
4416.466667	50.85	---	68.20	17.35	100.0	V	24.0	7
7048.933333	53.43	---	68.20	14.77	200.0	V	26.0	11
7334.300000	---	44.32	54.00	9.68	200.0	H	99.0	11

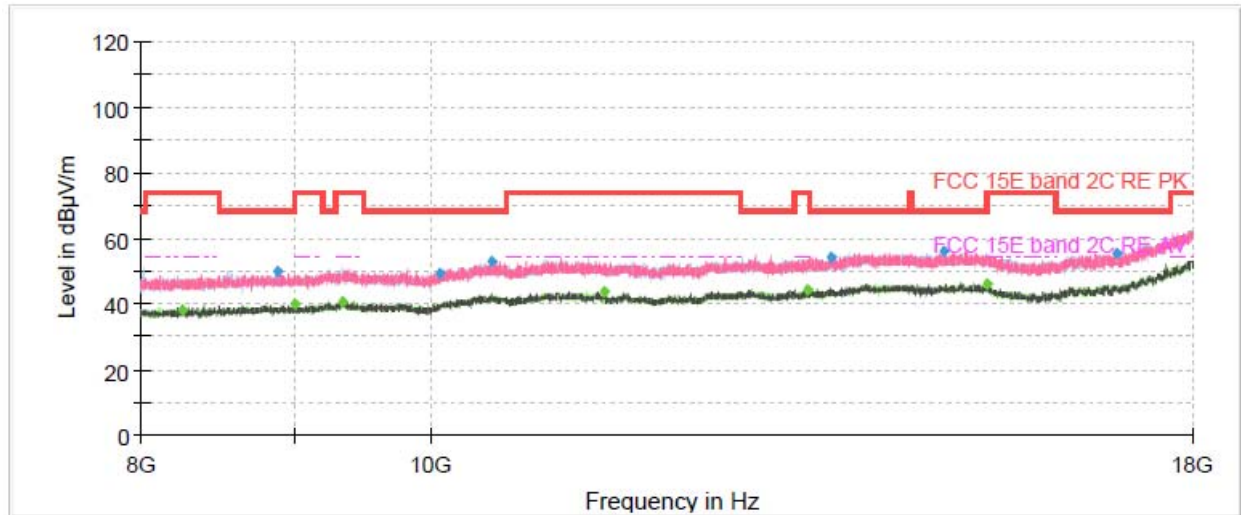
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)



802.11a CH144



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



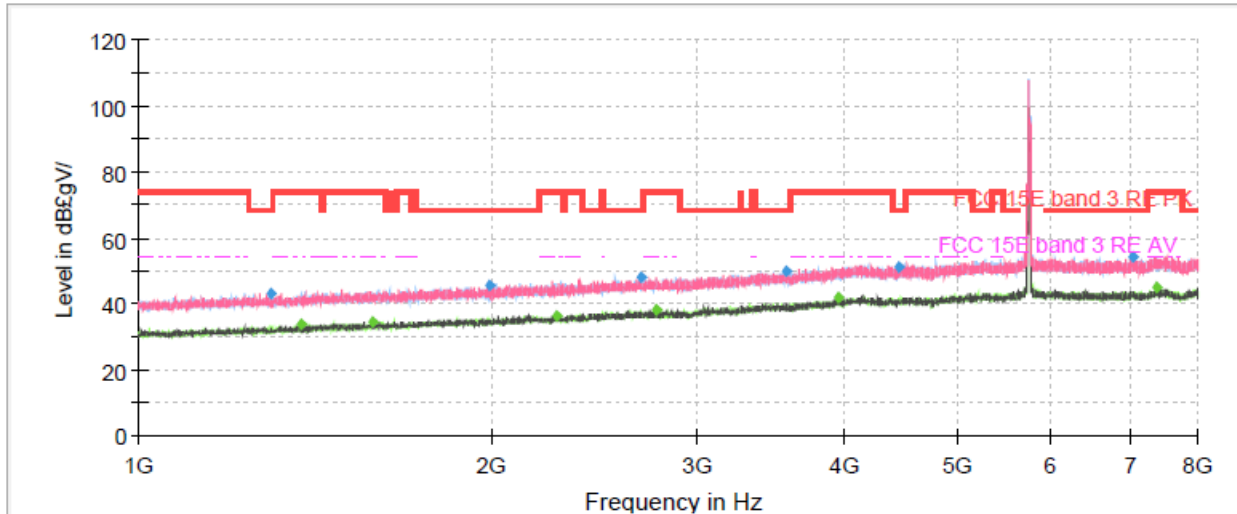
Radiates Emission from 8GHz to 18GHz



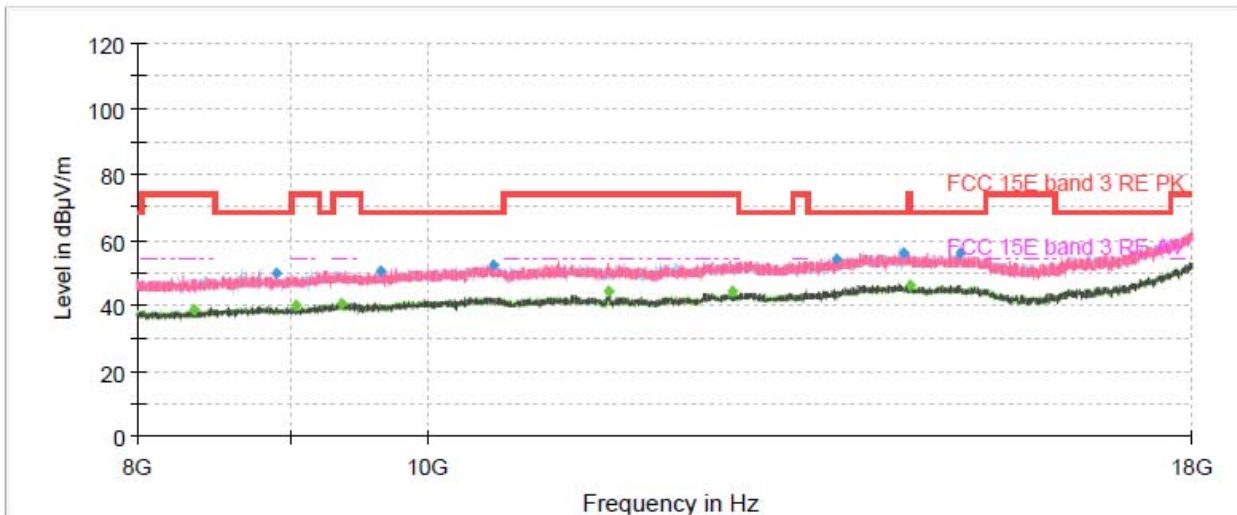
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1269.966667	47.44	---	68.20	20.76	200.0	H	138.0	-8
1404.366667	---	38.67	54.00	15.33	100.0	V	0.0	-7
1706.533333	---	39.18	54.00	14.82	200.0	V	113.0	-6
1991.433333	52.52	---	68.20	15.68	100.0	V	46.0	-5
2613.500000	51.12	---	68.20	17.08	200.0	V	353.0	-4
2765.400000	---	41.66	54.00	12.34	100.0	V	322.0	-4
3100.233333	52.01	---	68.20	16.19	100.0	V	0.0	-3
3950.500000	---	43.09	54.00	10.91	200.0	H	29.0	-1
5197.666667	54.95	---	68.20	13.25	200.0	H	180.0	2
5431.700000	---	45.30	54.00	8.70	100.0	H	109.0	3
7748.933333	---	48.63	54.00	5.37	200.0	H	96.0	7
7895.466667	58.34	---	68.20	9.86	200.0	H	83.0	7

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



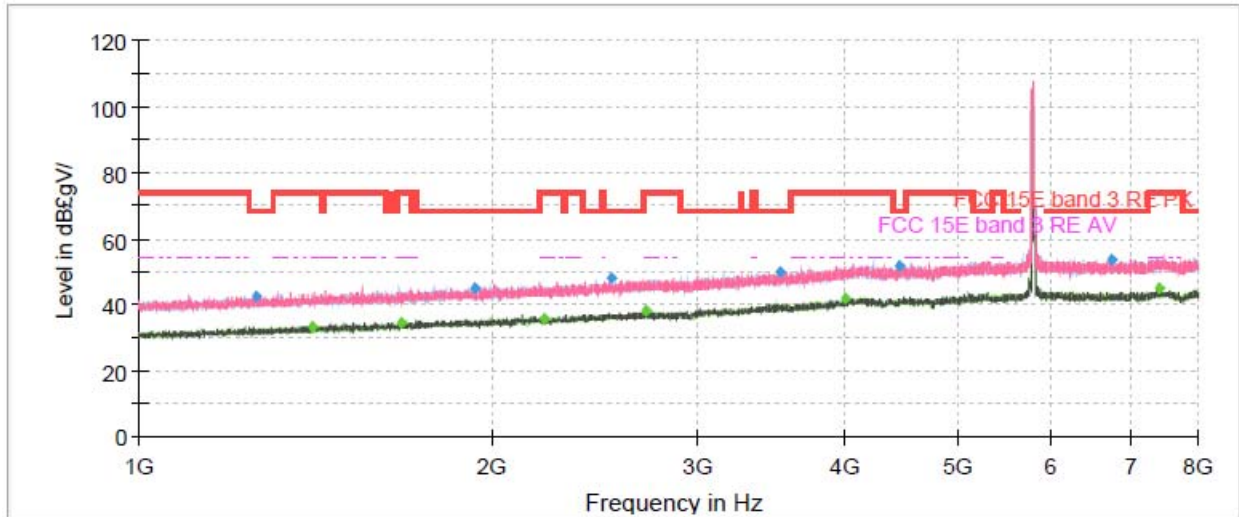
Radiates Emission from 8GHz to 18GHz



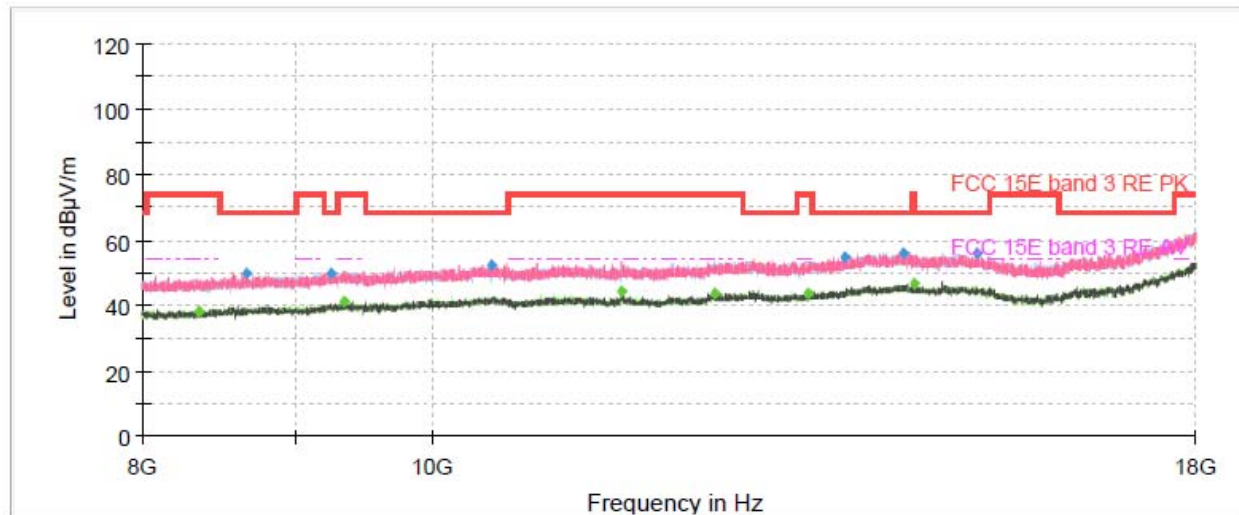
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1297.266667	43.05	---	68.20	25.15	200.0	H	37.0	-7
1373.800000	---	33.77	54.00	20.23	200.0	V	70.0	-6
1584.500000	---	34.44	54.00	19.56	100.0	V	147.0	-5
1991.900000	45.25	---	68.20	22.95	200.0	V	348.0	-3
2269.100000	---	36.12	54.00	17.88	200.0	V	49.0	-2
2680.933333	48.05	---	68.20	20.15	100.0	H	292.0	0
2764.933333	---	37.98	54.00	16.02	200.0	H	103.0	1
3559.666667	49.96	---	68.20	18.24	200.0	V	174.0	4
3943.266667	---	41.69	54.00	12.31	100.0	H	346.0	6
4451.933333	51.20	---	68.20	17.00	200.0	H	37.0	7
7049.866667	54.10	---	68.20	14.10	200.0	H	24.0	11
7392.166667	---	44.62	54.00	9.38	100.0	H	93.0	11

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



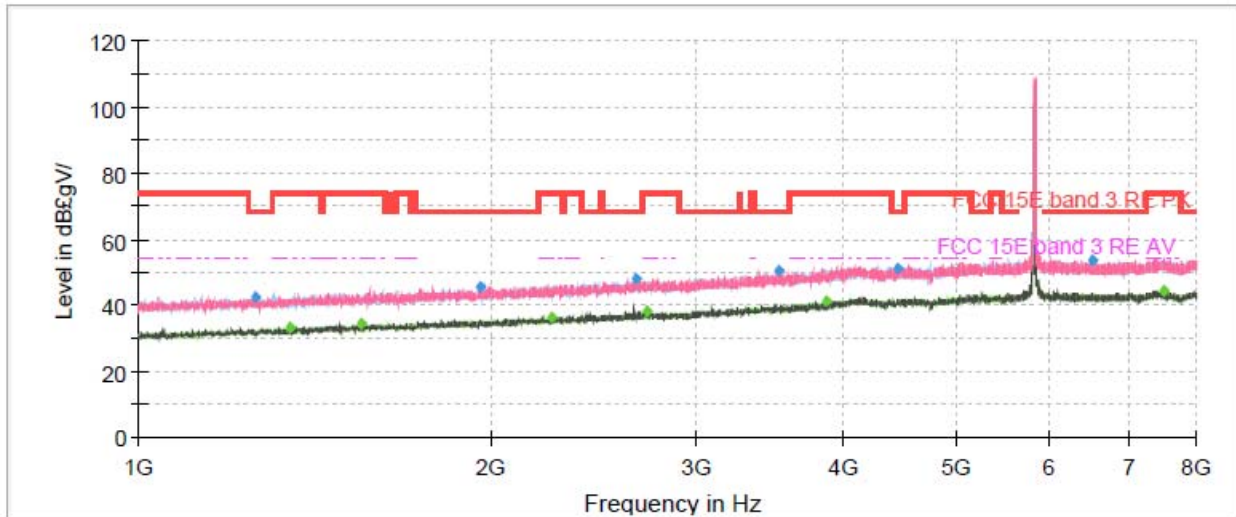
Radiates Emission from 8GHz to 18GHz



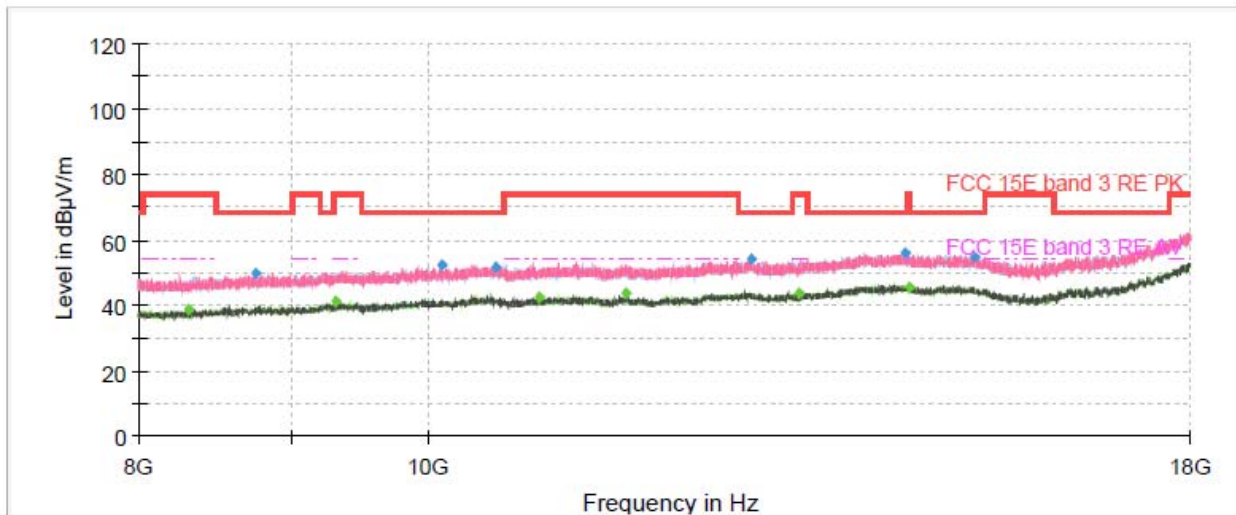
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1256.200000	42.55	---	68.20	25.65	200.0	H	68.0	-7
1407.166667	---	33.26	54.00	20.74	100.0	H	140.0	-6
1675.500000	---	34.63	54.00	19.37	100.0	H	30.0	-5
1930.533333	45.12	---	68.20	23.08	200.0	V	171.0	-3
2213.333333	---	35.90	54.00	18.10	200.0	H	30.0	-2
2526.000000	47.72	---	68.20	20.48	200.0	H	55.0	0
2709.166667	---	38.01	54.00	15.99	200.0	H	175.0	1
3523.500000	49.93	---	68.20	18.27	200.0	V	209.0	4
3993.900000	---	41.70	54.00	12.30	100.0	H	194.0	6
4452.400000	51.67	---	68.20	16.53	200.0	H	256.0	7
6744.900000	53.51	---	68.20	14.69	100.0	V	259.0	10
7397.066667	---	45.06	54.00	8.94	100.0	V	38.0	11

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

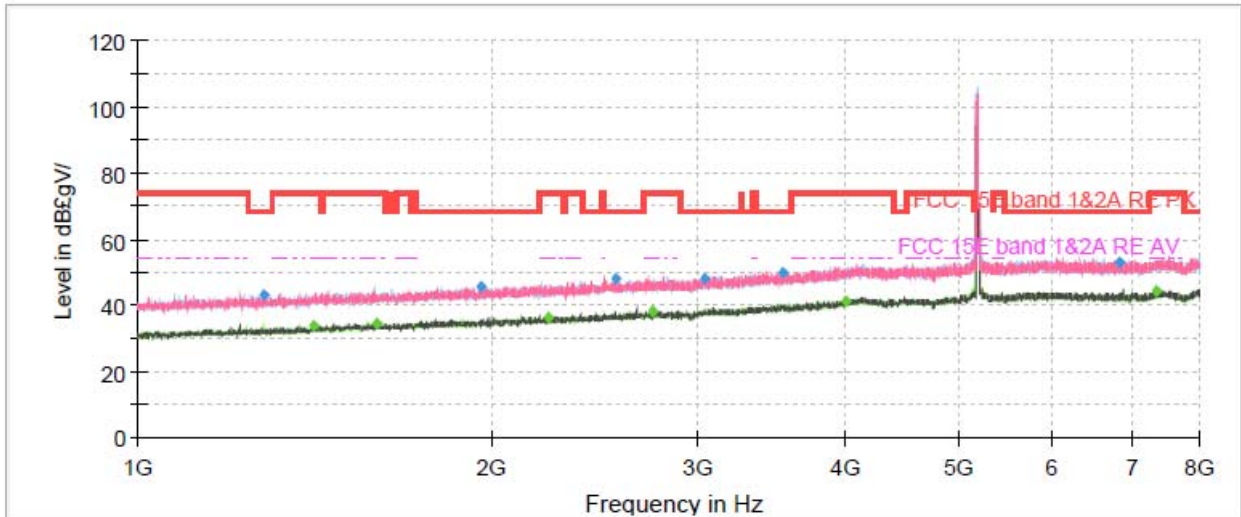


Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1257.600000	42.24	---	68.20	25.96	200.0	V	323.0	-7
1347.666667	---	33.35	54.00	20.65	200.0	V	0.0	-7
1548.100000	---	34.40	54.00	19.60	100.0	V	0.0	-5
1961.333333	45.66	---	68.20	22.54	100.0	V	157.0	-3
2249.500000	---	36.23	54.00	17.77	100.0	H	0.0	-2
2662.266667	47.94	---	68.20	20.26	200.0	H	67.0	0
2721.533333	---	37.85	54.00	16.15	100.0	V	0.0	1
3514.400000	50.31	---	68.20	17.89	200.0	V	0.0	4
3872.333333	---	41.42	54.00	12.58	100.0	H	0.0	5
4439.800000	51.09	---	68.20	17.11	100.0	V	326.0	7
6526.266667	53.78	---	68.20	14.42	100.0	H	57.0	10
7521.433333	---	44.46	54.00	9.54	100.0	V	8.0	11

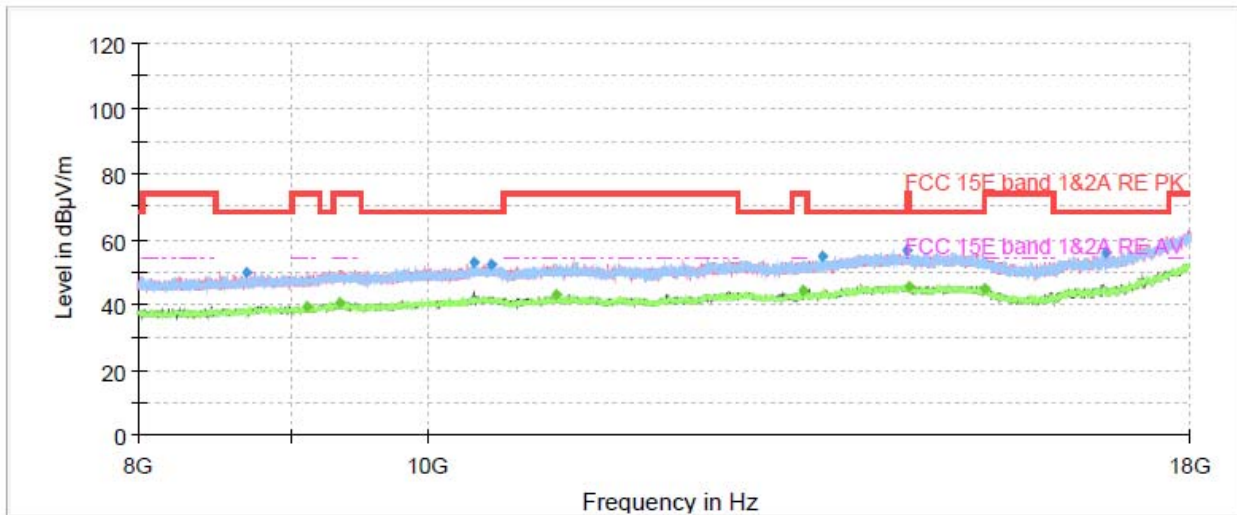
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)



802.11n (HT20) CH36



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



Radiates Emission from 8GHz to 18GHz

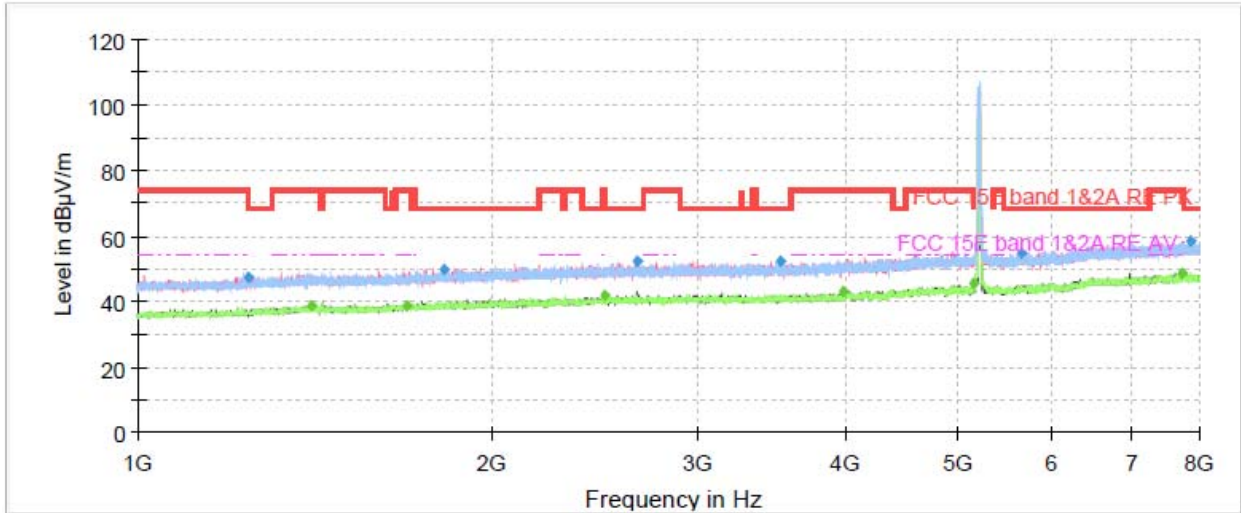


Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1277.666667	42.85	---	68.20	25.35	100.0	H	186.0	-7
1410.666667	---	33.69	54.00	20.31	100.0	V	168.0	-6
1594.066667	---	34.64	54.00	19.36	100.0	V	161.0	-5
1955.266667	45.48	---	68.20	22.72	100.0	H	341.0	-3
2238.066667	---	36.12	54.00	17.88	100.0	V	175.0	-2
2548.400000	47.71	---	68.20	20.49	200.0	V	0.0	0
2740.200000	---	38.15	54.00	15.85	200.0	V	156.0	1
3033.733333	48.09	---	68.20	20.11	200.0	V	332.0	2
3538.433333	50.04	---	68.20	18.16	100.0	H	299.0	4
3997.400000	---	41.44	54.00	12.56	200.0	V	353.0	6
6840.566667	53.19	---	68.20	15.01	200.0	H	114.0	10
7346.900000	---	44.57	54.00	9.43	100.0	H	109.0	11

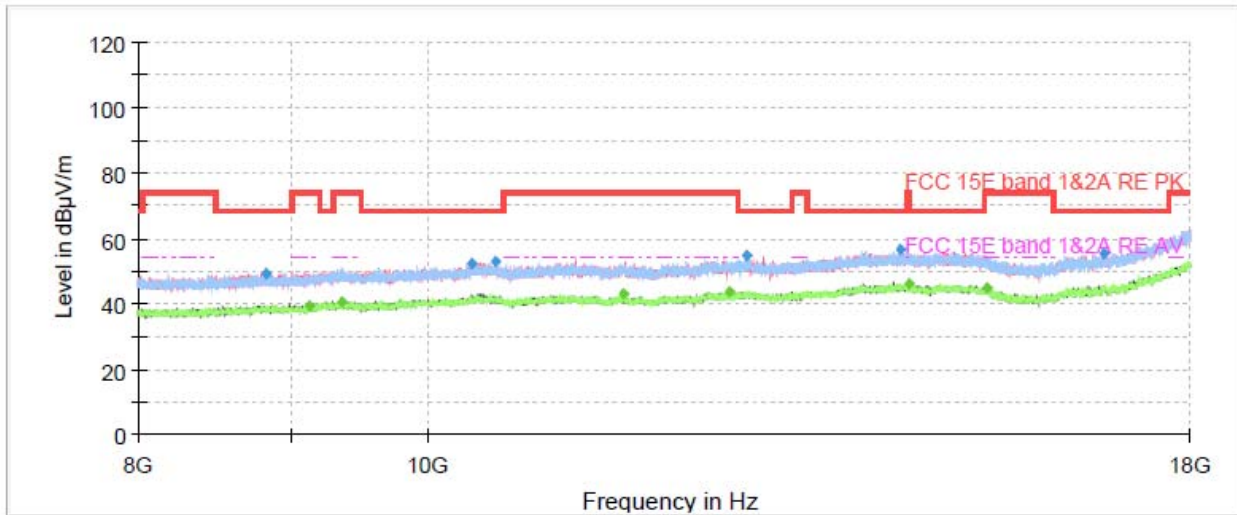
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)



802.11n (HT20) CH40



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



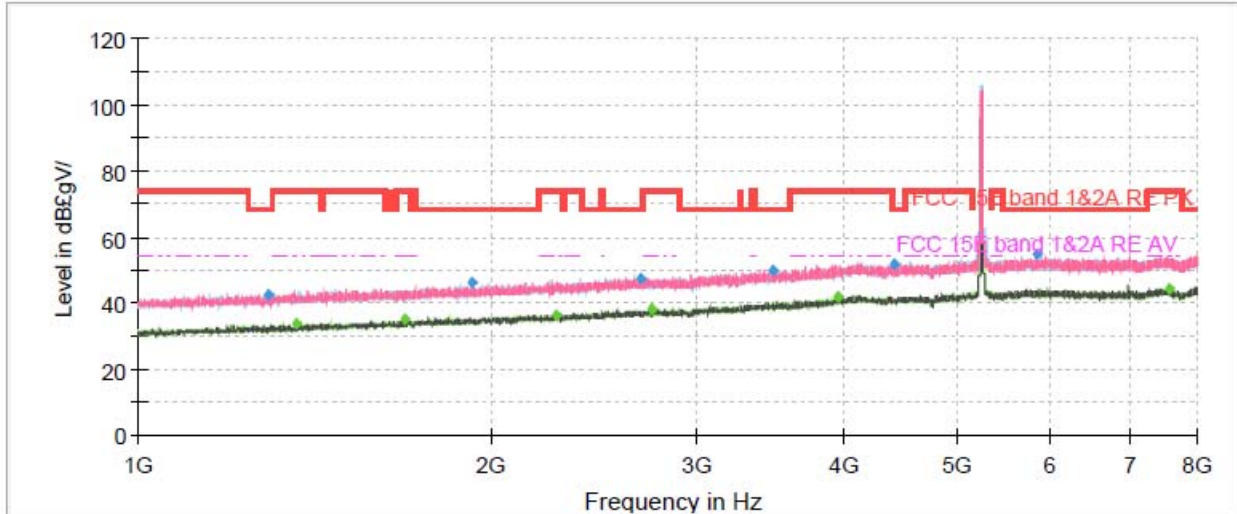
Radiates Emission from 8GHz to 18GHz



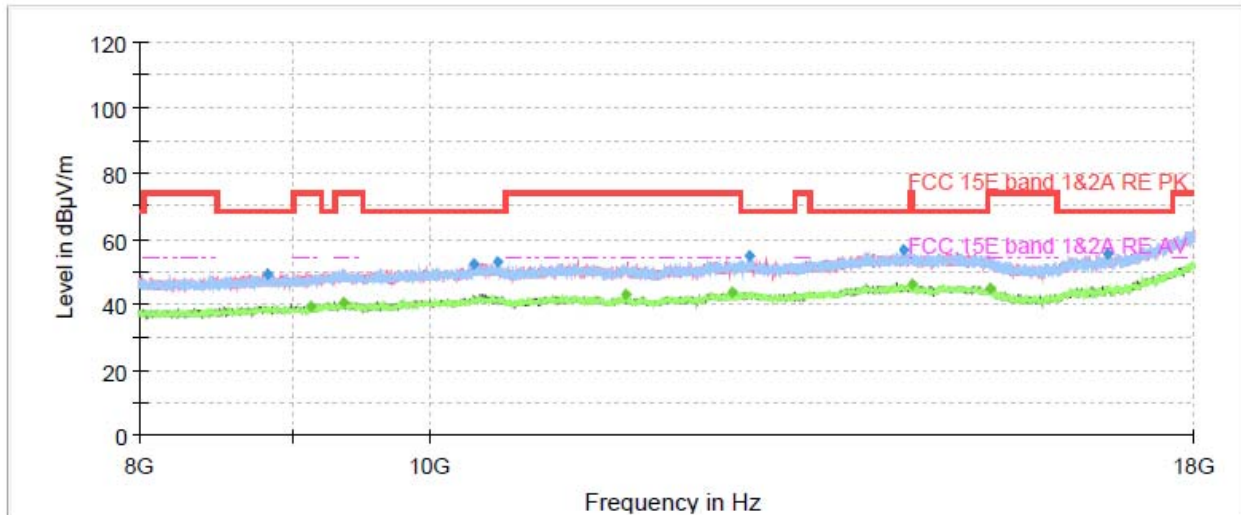
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1242.666667	47.54	---	68.20	20.66	100.0	H	147.0	-8
1406.700000	---	38.71	54.00	15.29	200.0	V	7.0	-7
1694.633333	---	39.02	54.00	14.98	100.0	H	173.0	-6
1818.300000	49.86	---	68.20	18.34	200.0	H	341.0	-6
2498.466667	---	41.64	54.00	12.36	200.0	V	118.0	-4
2655.266667	52.47	---	68.20	15.73	200.0	V	132.0	-4
3522.100000	52.06	---	68.20	16.14	100.0	H	7.0	-3
3983.633333	---	42.84	54.00	11.16	200.0	H	79.0	-1
5149.600000	---	45.31	54.00	8.69	100.0	H	160.0	2
5651.733333	54.51	---	68.20	13.69	100.0	V	278.0	3
7730.266667	---	48.45	54.00	5.55	200.0	V	185.0	7
7865.366667	58.54	---	68.20	9.66	200.0	H	211.0	7

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



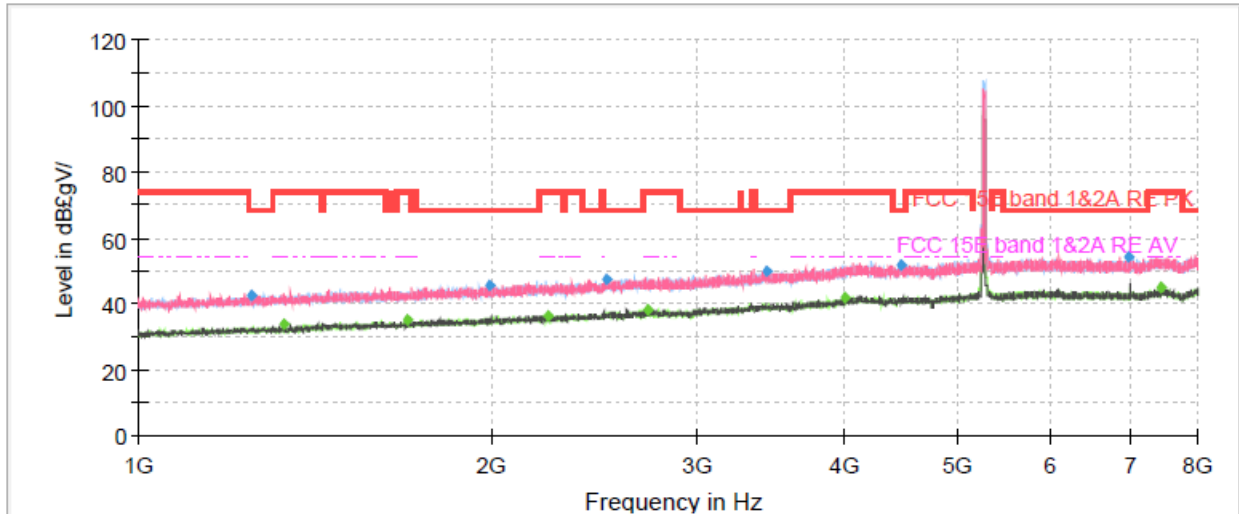
Radiates Emission from 8GHz to 18GHz



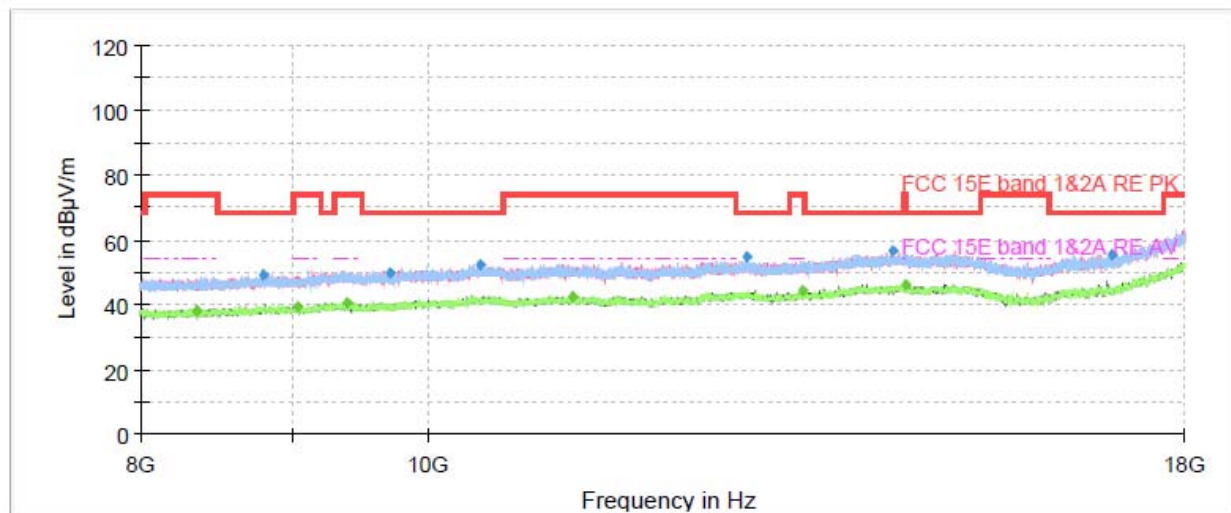
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1290.033333	42.67	---	68.20	25.53	200.0	V	229.0	-7
1364.700000	---	33.72	54.00	20.28	100.0	V	15.0	-7
1684.366667	---	34.87	54.00	19.13	100.0	V	124.0	-5
1921.433333	45.91	---	68.20	22.29	200.0	V	321.0	-3
2270.733333	---	36.27	54.00	17.73	200.0	V	236.0	-2
2678.833333	47.68	---	68.20	20.52	200.0	V	314.0	0
2739.966667	---	38.10	54.00	15.90	200.0	V	208.0	1
3482.900000	49.91	---	68.20	18.29	100.0	V	353.0	4
3954.466667	---	41.59	54.00	12.41	200.0	V	271.0	6
4417.633333	51.45	---	68.20	16.75	100.0	V	159.0	7
5851.933333	54.77	---	68.20	13.43	100.0	H	240.0	10
7580.466667	---	44.59	54.00	9.41	100.0	V	1.0	11

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



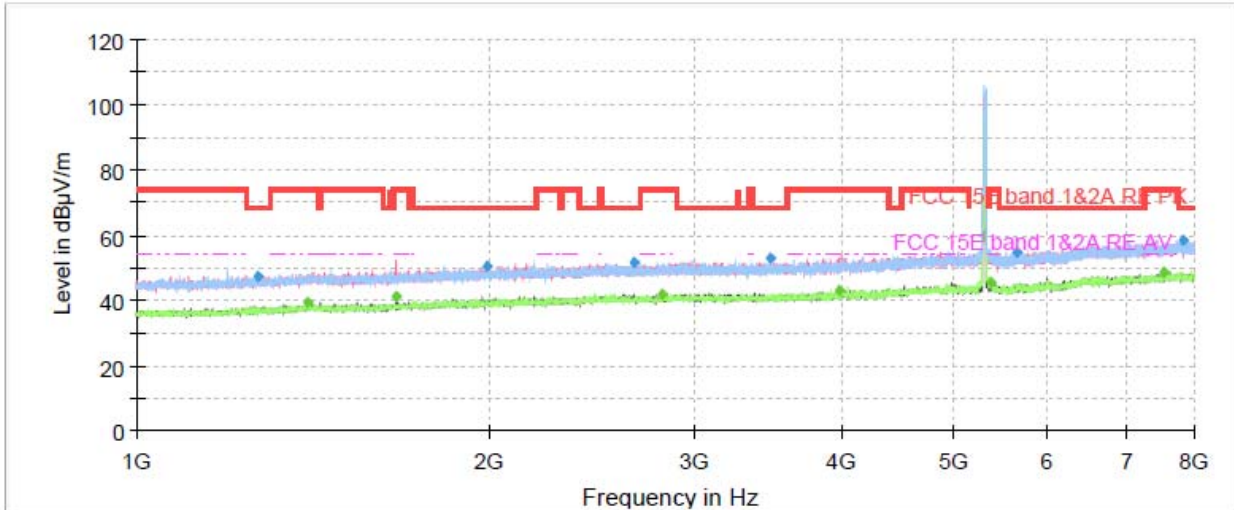
Radiates Emission from 8GHz to 18GHz



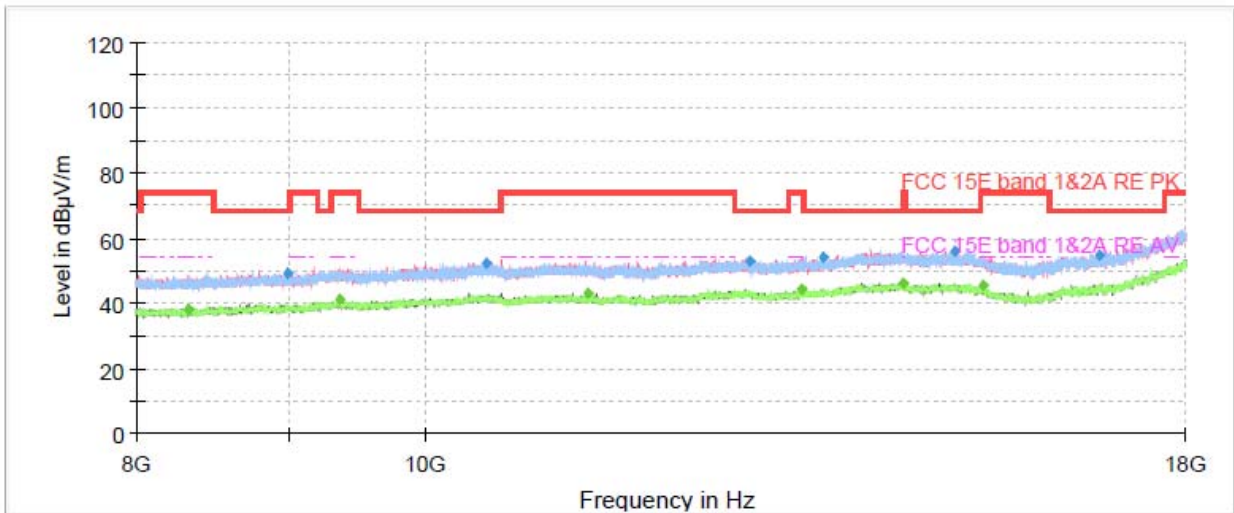
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1246.400000	42.69	---	68.20	25.51	100.0	V	161.0	-7
1331.100000	---	33.78	54.00	20.22	100.0	H	133.0	-7
1693.233333	---	34.99	54.00	19.01	100.0	V	203.0	-5
1994.000000	45.57	---	68.20	22.63	100.0	V	0.0	-3
2229.200000	---	36.25	54.00	17.75	200.0	H	182.0	-2
2504.766667	47.36	---	68.20	20.84	100.0	V	125.0	0
2711.966667	---	38.20	54.00	15.80	100.0	V	203.0	1
3436.233333	50.14	---	68.20	18.06	100.0	V	319.0	4
3998.333333	---	41.79	54.00	12.21	200.0	V	240.0	6
4474.100000	51.83	---	68.20	16.37	200.0	V	312.0	7
6978.233333	54.32	---	68.20	13.88	200.0	V	254.0	11
7452.366667	---	44.81	54.00	9.19	100.0	V	357.0	11

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



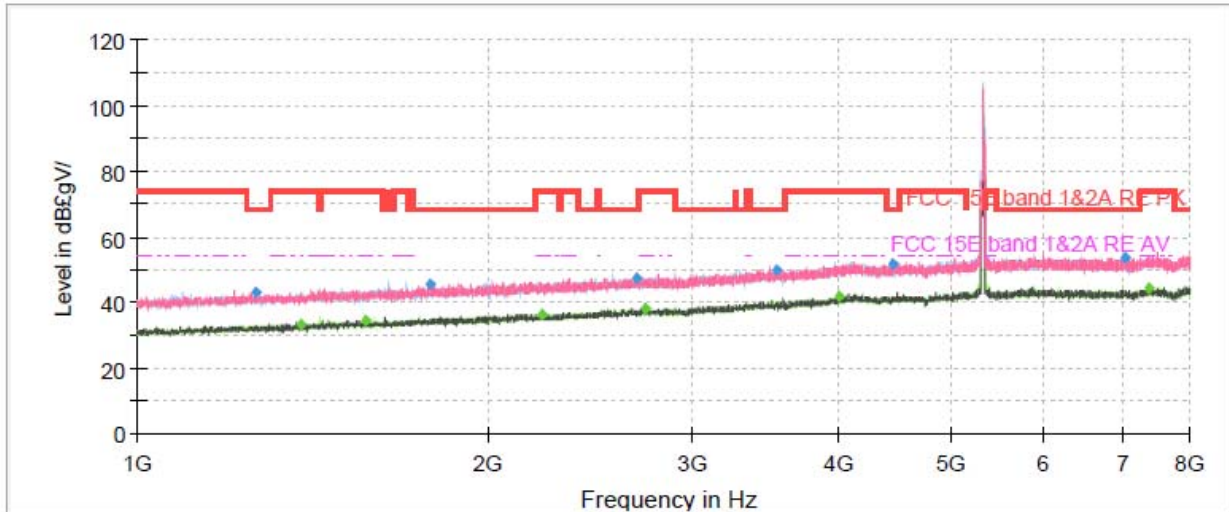
Radiates Emission from 8GHz to 18GHz



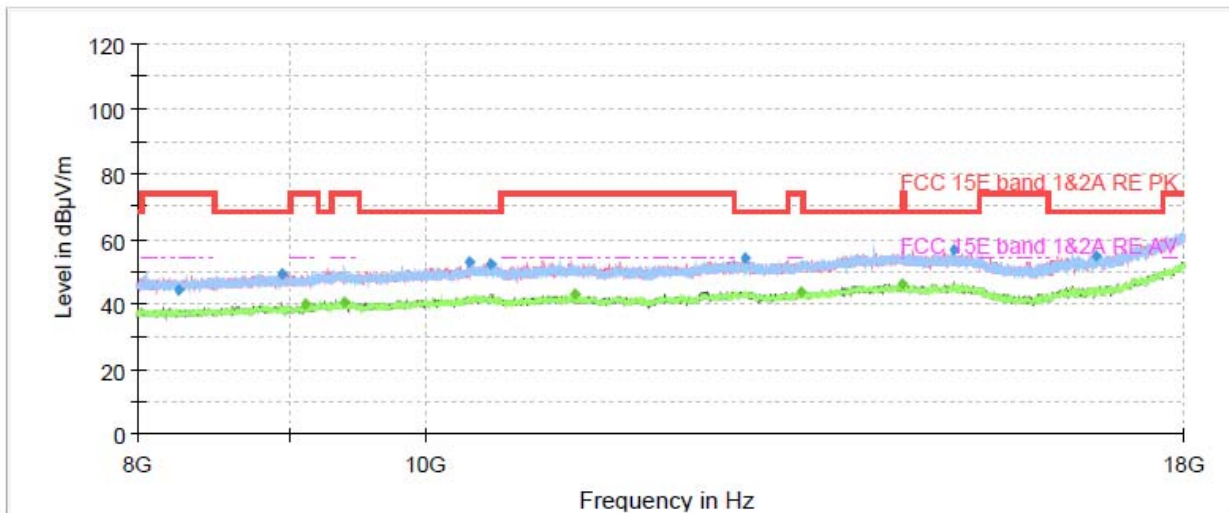
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1269.266667	47.46	---	68.20	20.74	200.0	V	240.0	-8
1398.300000	---	39.32	54.00	14.68	100.0	V	271.0	-7
1665.933333	---	41.15	54.00	12.85	200.0	V	226.0	-6
1992.366667	50.30	---	68.20	17.90	100.0	V	342.0	-5
2660.400000	51.81	---	68.20	16.39	200.0	V	267.0	-3
2815.800000	---	41.65	54.00	12.35	200.0	V	226.0	-3
3473.800000	52.76	---	68.20	15.44	200.0	V	5.0	-3
3987.133333	---	42.99	54.00	11.01	100.0	V	0.0	-1
5364.966667	---	45.67	54.00	8.33	200.0	H	340.0	3
5652.200000	54.61	---	68.20	13.59	100.0	H	53.0	3
7526.800000	---	48.53	54.00	5.47	100.0	H	159.0	7
7832.000000	58.39	---	68.20	9.81	200.0	H	317.0	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



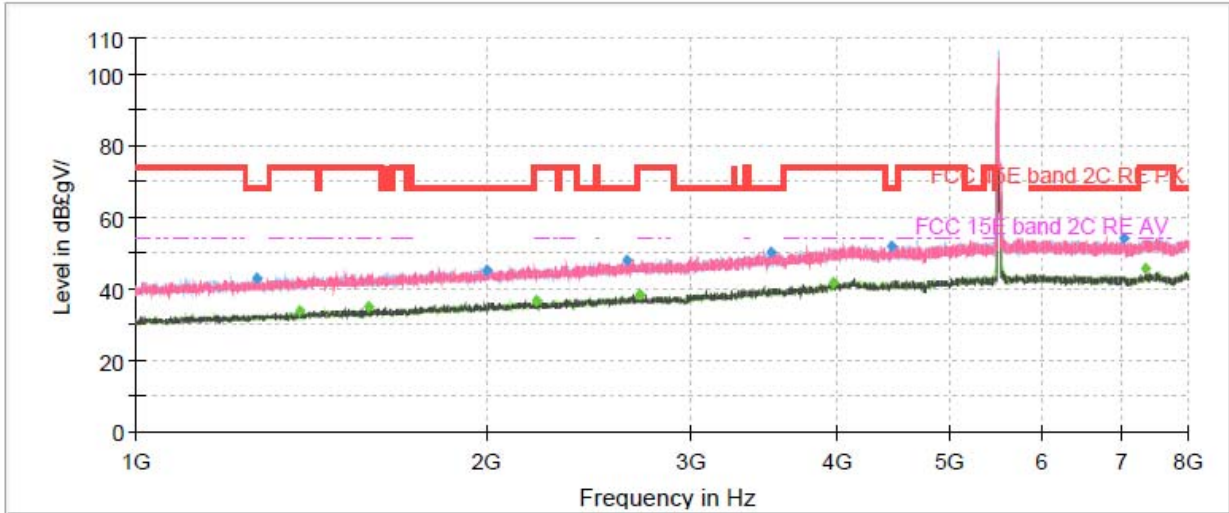
Radiates Emission from 8GHz to 18GHz



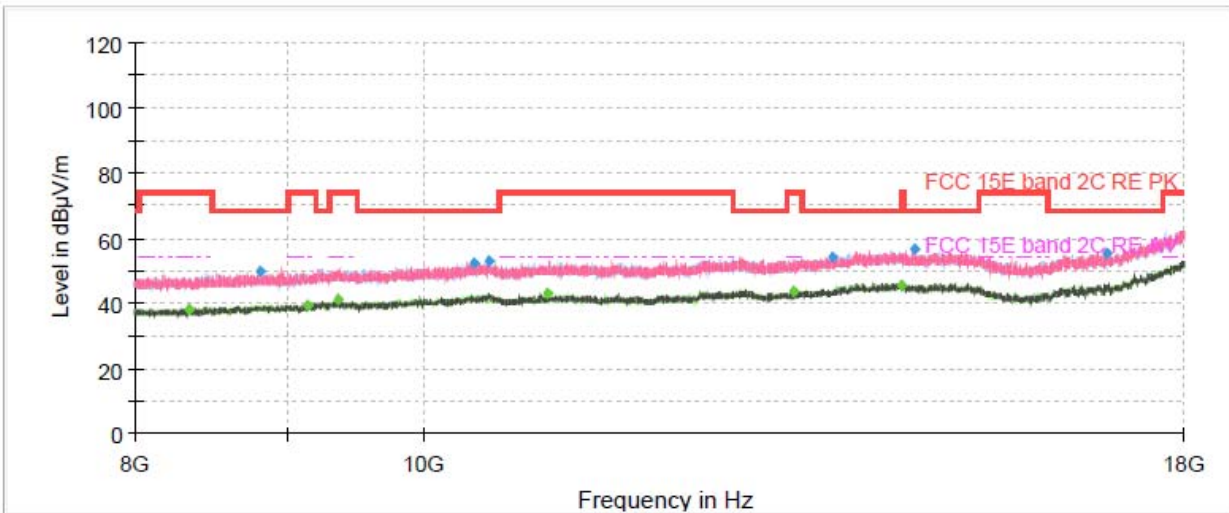
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1262.733333	43.15	---	68.20	25.05	100.0	H	0.0	-7
1381.966667	---	33.40	54.00	20.60	200.0	V	144.0	-6
1569.333333	---	34.75	54.00	19.25	100.0	H	0.0	-5
1784.000000	45.81	---	68.20	22.39	200.0	H	73.0	-4
2224.300000	---	36.02	54.00	17.98	200.0	H	109.0	-2
2685.133333	47.48	---	68.20	20.72	200.0	H	116.0	0
2728.533333	---	38.13	54.00	15.87	200.0	H	12.0	1
3538.433333	50.04	---	68.20	18.16	200.0	V	39.0	4
3997.166667	---	42.11	54.00	11.89	100.0	V	6.0	6
4442.133333	51.96	---	68.20	16.24	100.0	H	299.0	7
7052.200000	53.47	---	68.20	14.73	100.0	V	276.0	11
7378.400000	---	44.46	54.00	9.54	100.0	H	320.0	11

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

802.11n (HT20) CH100



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



Radiates Emission from 8GHz to 18GHz

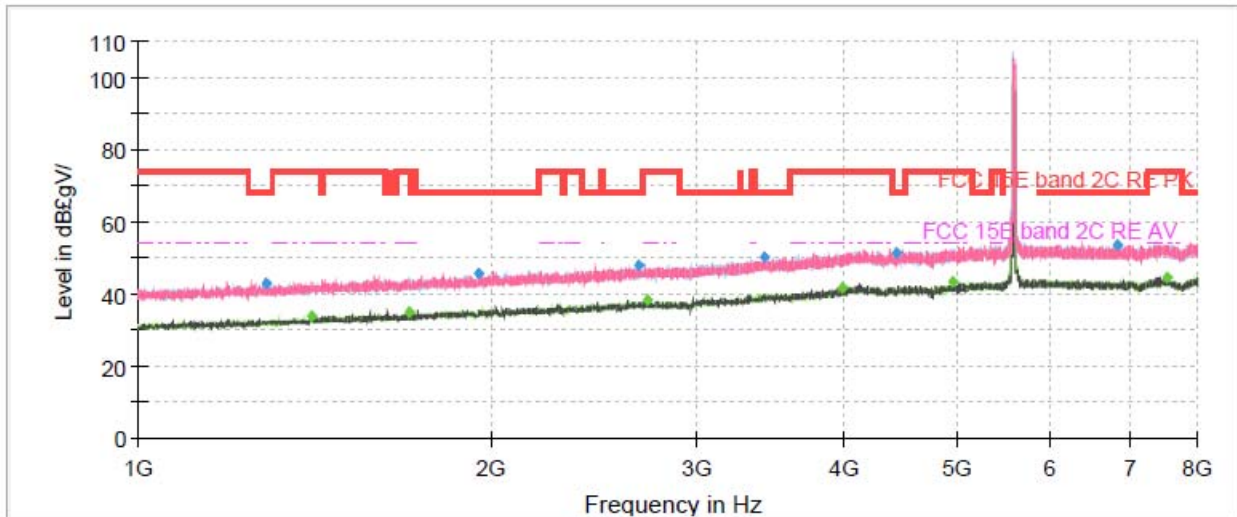


Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1270.900000	42.81	---	68.20	25.39	100.0	H	183.0	-7
1382.900000	---	33.61	54.00	20.39	100.0	V	226.0	-6
1579.600000	---	34.78	54.00	19.22	200.0	H	36.0	-5
1995.866667	45.33	---	68.20	22.87	200.0	V	141.0	-3
2201.666667	---	36.56	54.00	17.44	200.0	V	18.0	-2
2634.266667	47.76	---	68.20	20.44	200.0	V	127.0	0
2704.733333	---	38.28	54.00	15.72	200.0	V	46.0	1
3510.433333	50.47	---	68.20	17.73	200.0	V	191.0	4
3967.766667	---	41.62	54.00	12.38	100.0	H	83.0	6
4454.966667	51.75	---	68.20	16.45	100.0	H	134.0	7
7043.800000	53.99	---	68.20	14.21	100.0	V	60.0	11
7333.600000	---	45.62	54.00	8.38	100.0	V	32.0	11

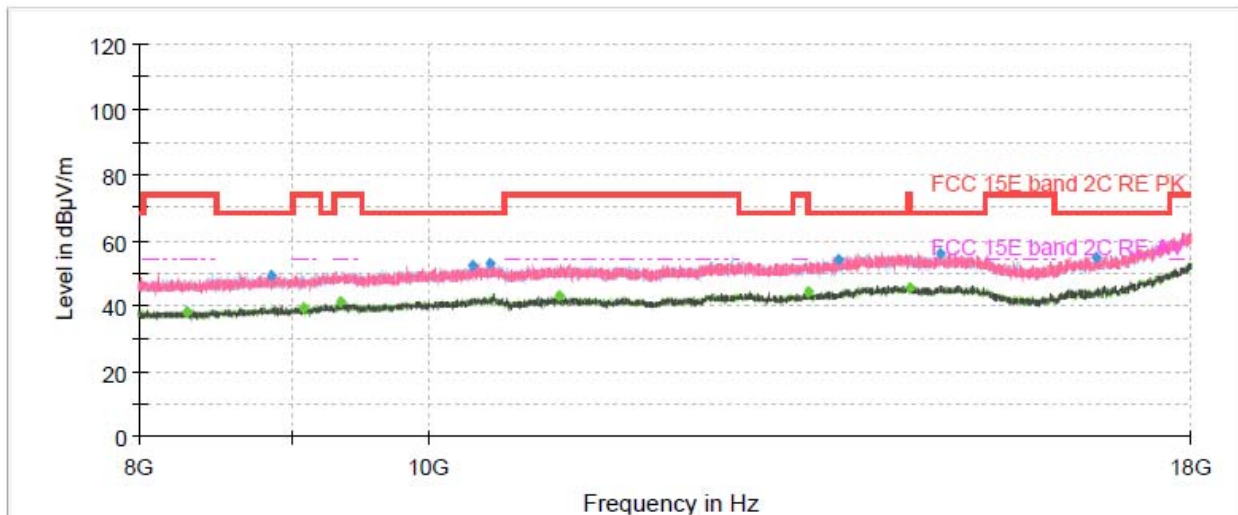
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)



802.11n (HT20) CH116



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



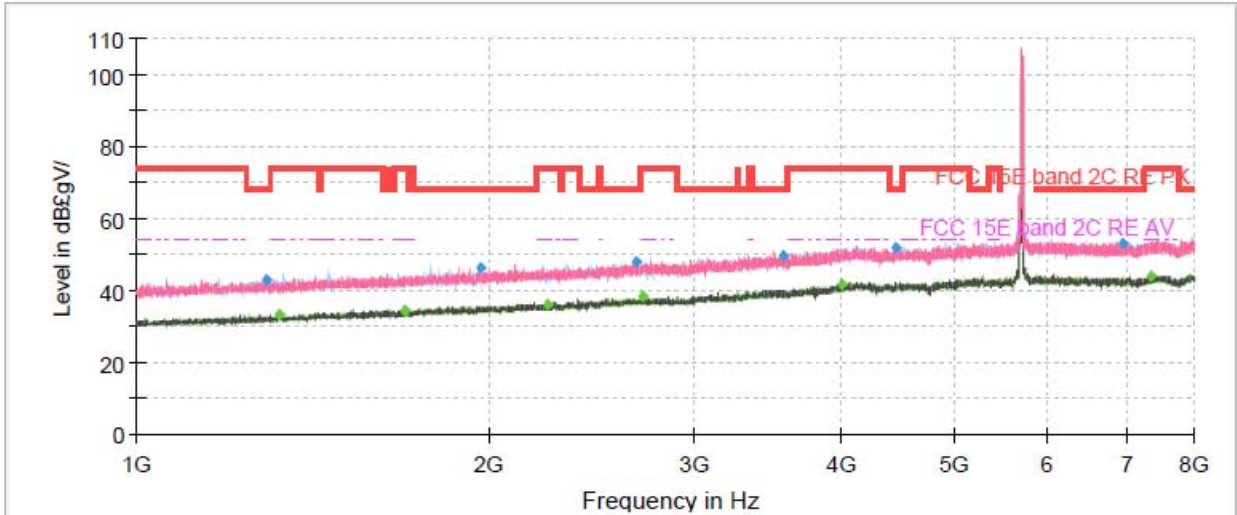
Radiates Emission from 8GHz to 18GHz



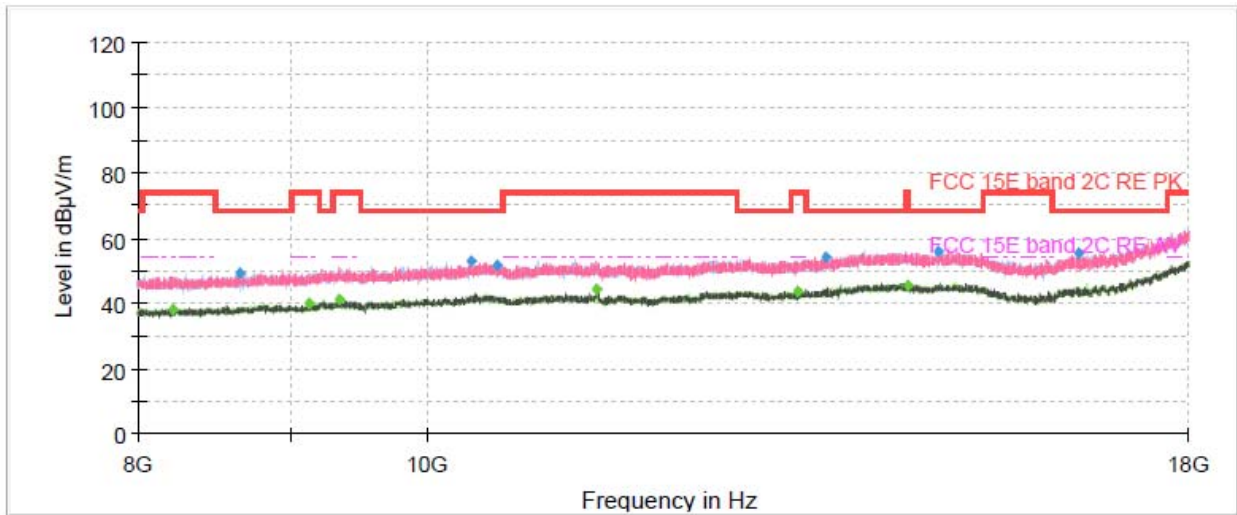
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1283.033333	43.02	---	68.20	25.18	200.0	H	284.0	-7
1407.166667	---	33.67	54.00	20.33	200.0	H	17.0	-6
1698.600000	---	34.74	54.00	19.26	200.0	V	89.0	-5
1950.600000	45.70	---	68.20	22.50	200.0	V	252.0	-3
2665.766667	48.04	---	68.20	20.16	200.0	H	107.0	0
2718.500000	---	38.09	54.00	15.91	100.0	V	133.0	1
3419.900000	50.04	---	68.20	18.16	200.0	V	182.0	4
3988.766667	---	41.72	54.00	12.28	100.0	V	0.0	6
4437.233333	51.34	---	68.20	16.86	200.0	V	293.0	7
4957.333333	---	43.30	54.00	10.70	100.0	V	70.0	8
6848.733333	53.55	---	68.20	14.65	200.0	V	259.0	10
7534.266667	---	44.49	54.00	9.51	200.0	H	275.0	11

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

802.11n (HT20) CH140



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



Radiates Emission from 8GHz to 18GHz

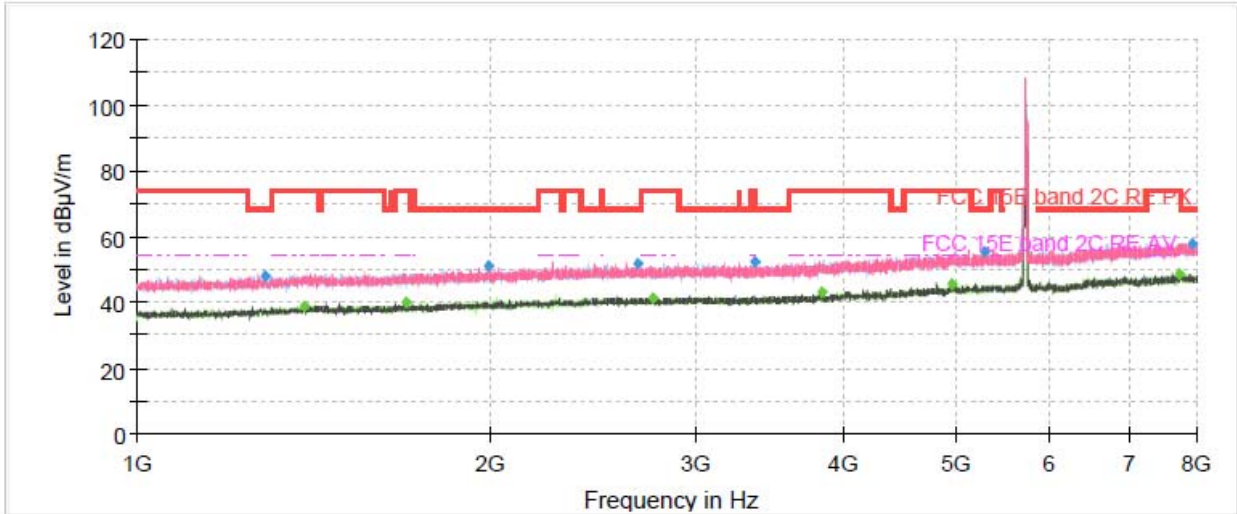


Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1292.366667	43.00	---	68.20	25.20	200.0	V	212.0	-7
1325.033333	---	33.48	54.00	20.52	200.0	H	0.0	-7
1696.733333	---	34.64	54.00	19.36	200.0	H	251.0	-5
1965.533333	46.05	---	68.20	22.15	100.0	H	268.0	-3
2242.733333	---	36.19	54.00	17.81	200.0	V	311.0	-2
2672.066667	47.98	---	68.20	20.22	100.0	V	68.0	0
2709.866667	---	38.11	54.00	15.89	200.0	V	240.0	1
3568.300000	49.90	---	68.20	18.30	200.0	H	76.0	4
3992.966667	---	41.60	54.00	12.40	100.0	V	0.0	6
4439.800000	51.72	---	68.20	16.48	200.0	V	150.0	7
6965.400000	53.24	---	68.20	14.96	100.0	H	80.0	11
7338.033333	---	44.19	54.00	9.81	200.0	V	185.0	11

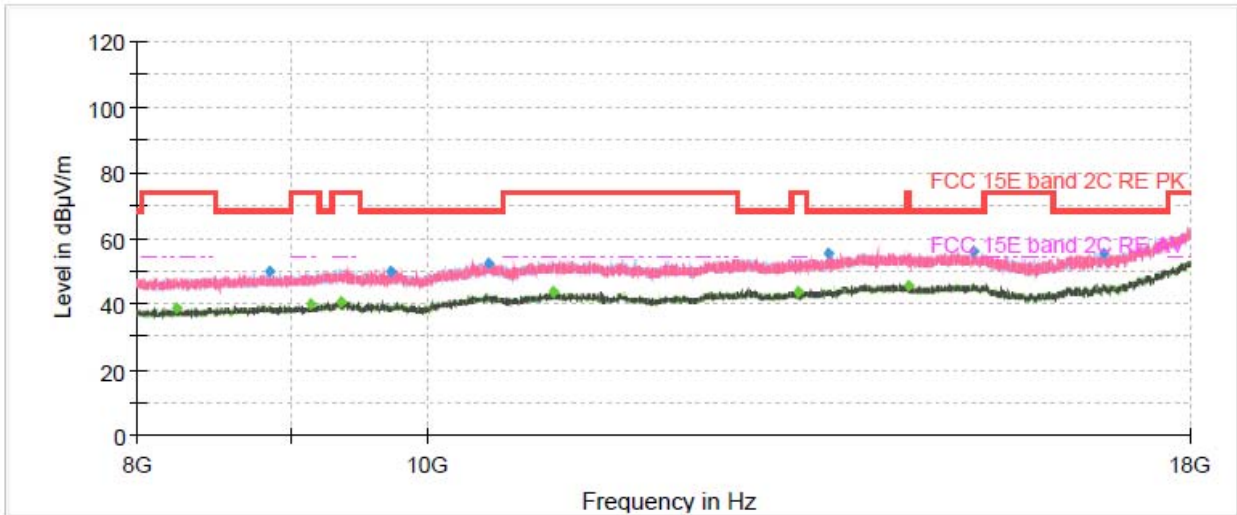
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)



802.11n (HT20) CH144



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



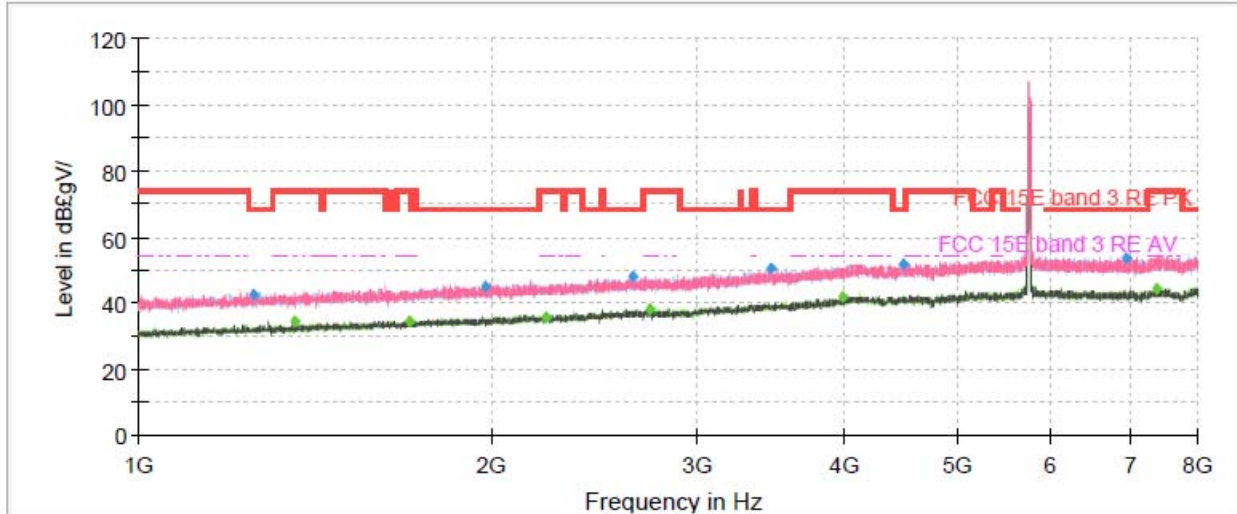
Radiates Emission from 8GHz to 18GHz



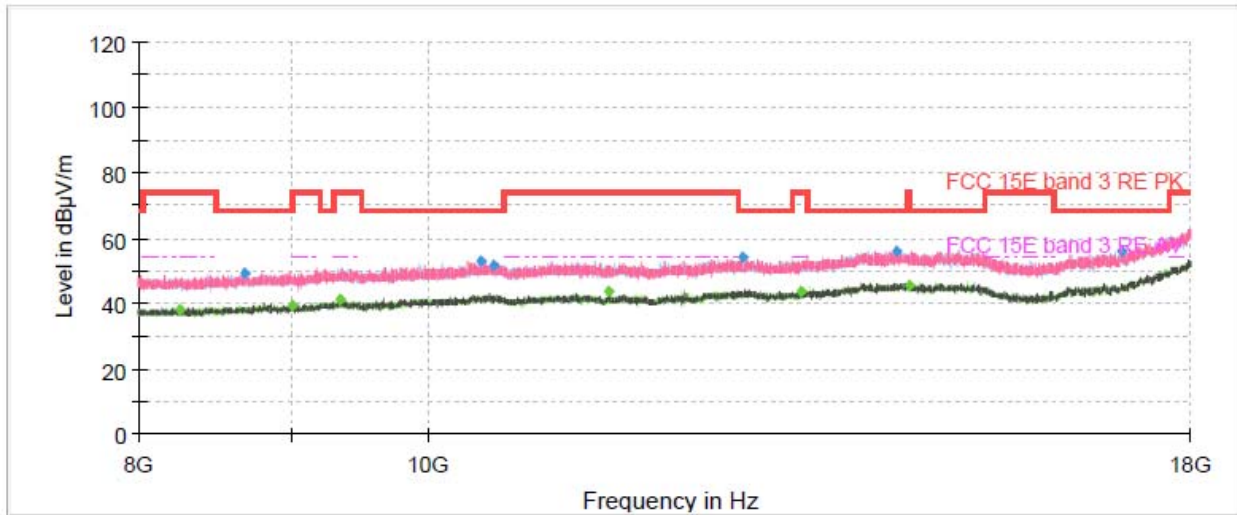
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1287.466667	48.28	---	68.20	19.92	200.0	H	86.0	-8
1385.933333	---	39.07	54.00	14.93	200.0	H	21.0	-7
1692.300000	---	39.73	54.00	14.27	100.0	V	196.0	-6
1991.200000	51.05	---	68.20	17.15	200.0	V	0.0	-5
2673.700000	51.72	---	68.20	16.48	100.0	V	154.0	-3
2751.400000	---	41.51	54.00	12.49	200.0	V	143.0	-4
3366.933333	52.16	---	68.20	16.04	100.0	V	0.0	-3
3838.966667	---	42.83	54.00	11.17	200.0	V	200.0	-2
4940.300000	---	45.77	54.00	8.23	200.0	H	13.0	2
5267.200000	55.37	---	68.20	12.83	200.0	V	322.0	2
7748.233333	---	48.67	54.00	5.33	100.0	V	7.0	7
7922.533333	58.07	---	68.20	10.13	100.0	H	332.0	7

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



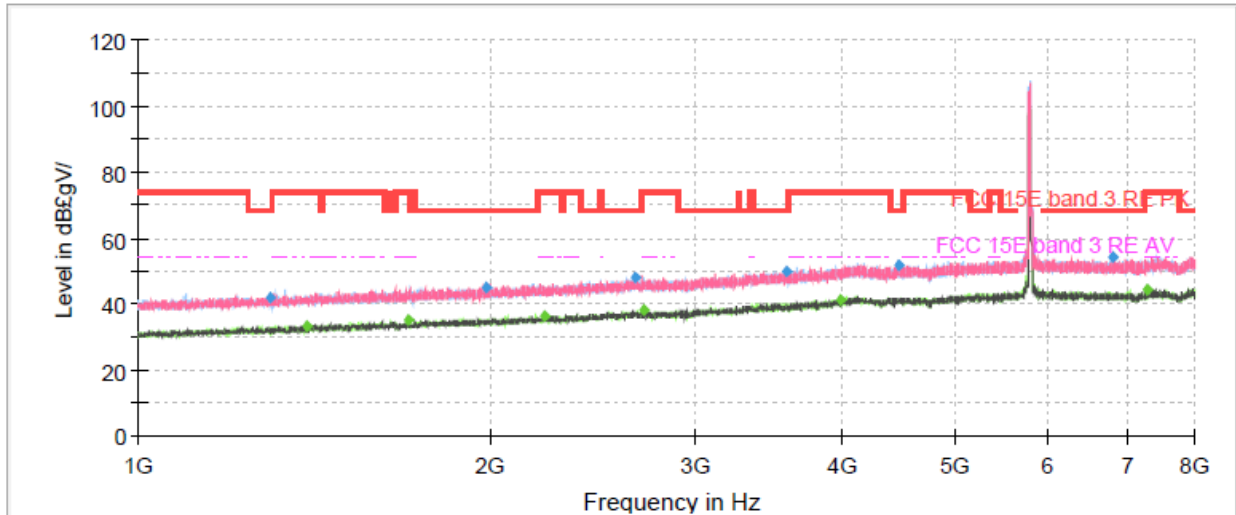
Radiates Emission from 8GHz to 18GHz



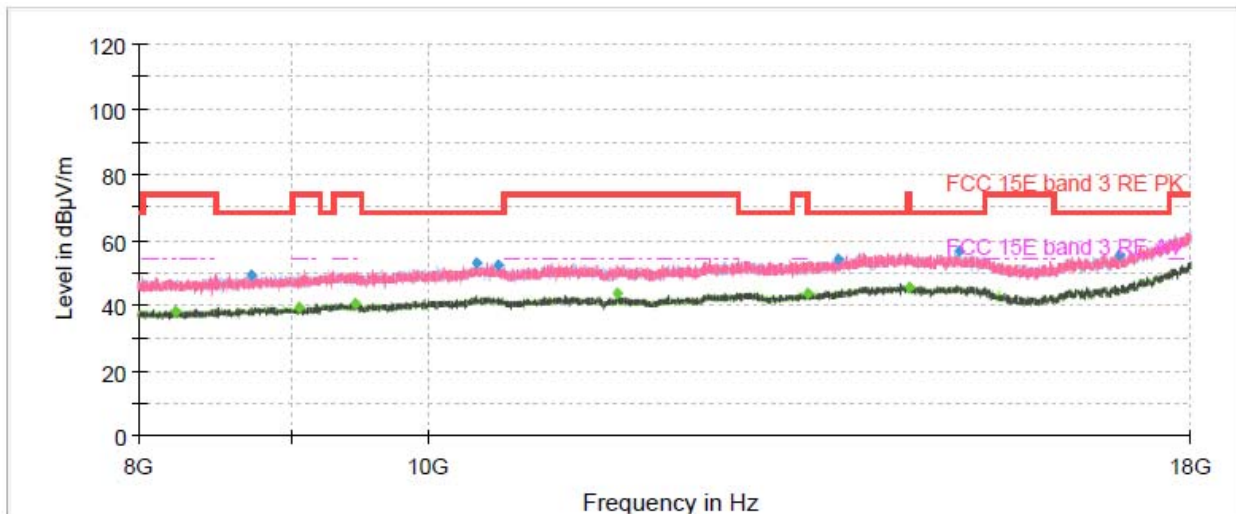
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1255.266667	42.36	---	68.20	25.84	200.0	V	341.0	-7
1355.833333	---	34.21	54.00	19.79	200.0	V	53.0	-7
1698.600000	---	34.65	54.00	19.35	200.0	V	0.0	-5
1971.833333	45.16	---	68.20	23.04	100.0	H	0.0	-3
2228.733333	---	35.94	54.00	18.06	200.0	V	248.0	-2
2632.866667	47.80	---	68.20	20.40	200.0	V	0.0	0
2726.200000	---	38.18	54.00	15.82	200.0	V	248.0	1
3466.100000	50.61	---	68.20	17.59	200.0	V	354.0	4
3986.900000	---	41.80	54.00	12.20	200.0	V	221.0	6
4479.933333	51.48	---	68.20	16.72	100.0	H	202.0	7
6964.933333	53.64	---	68.20	14.56	100.0	V	37.0	11
7383.300000	---	44.37	54.00	9.63	200.0	V	0.0	11

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



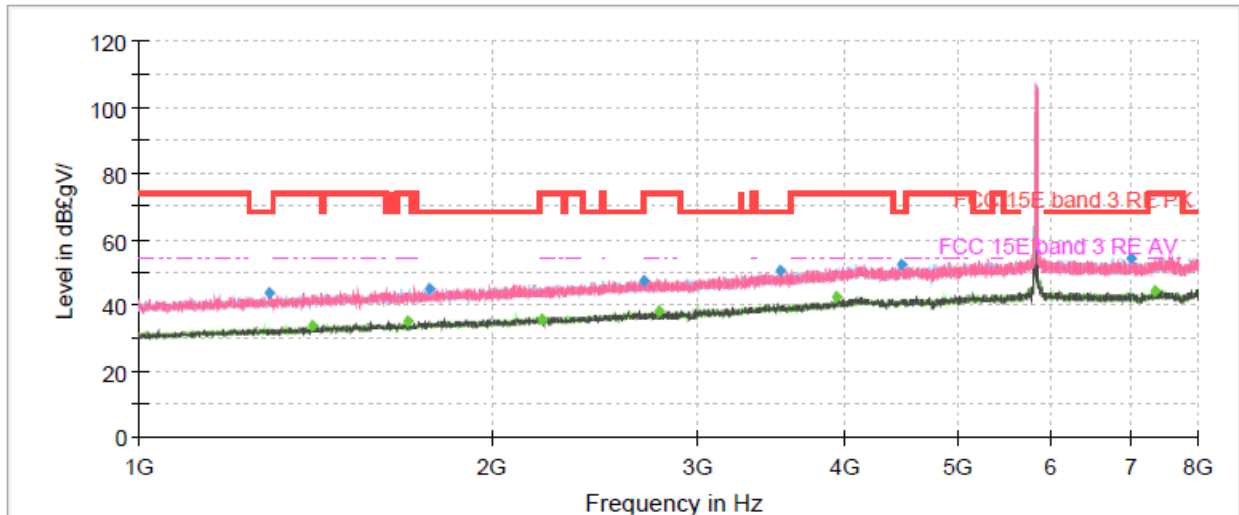
Radiates Emission from 8GHz to 18GHz



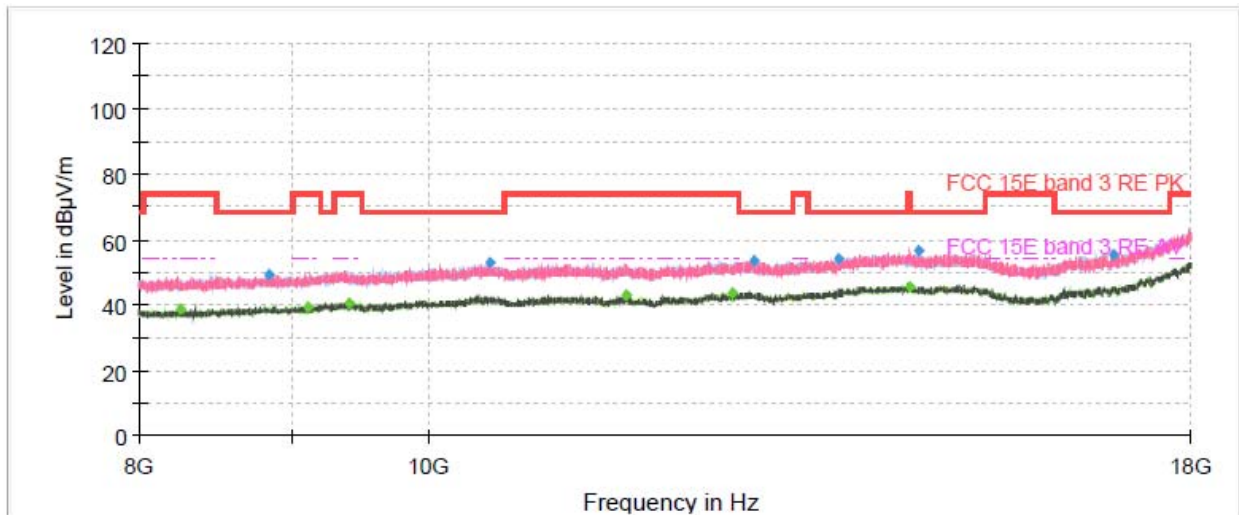
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1294.466667	42.15	---	68.20	26.05	200.0	H	207.0	-7
1392.000000	---	33.48	54.00	20.52	100.0	H	352.0	-6
1705.133333	---	34.79	54.00	19.21	100.0	V	36.0	-5
1981.166667	45.02	---	68.20	23.18	100.0	V	0.0	-3
2221.266667	---	36.01	54.00	17.99	200.0	V	161.0	-2
2662.500000	47.80	---	68.20	20.40	100.0	H	201.0	0
2709.866667	---	38.01	54.00	15.99	100.0	H	352.0	1
3575.066667	49.84	---	68.20	18.36	200.0	V	323.0	4
3989.233333	---	41.46	54.00	12.54	200.0	V	255.0	6
4460.800000	51.51	---	68.20	16.69	200.0	H	17.0	7
6817.233333	54.20	---	68.20	14.00	200.0	H	311.0	10
7294.166667	---	44.30	54.00	9.70	100.0	V	0.0	11

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



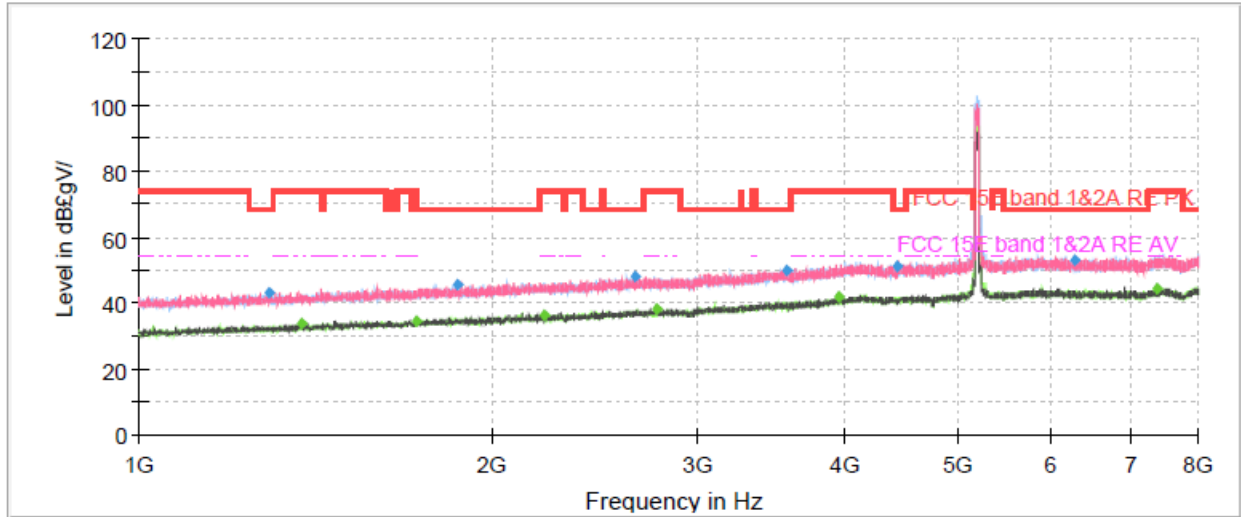
Radiates Emission from 8GHz to 18GHz



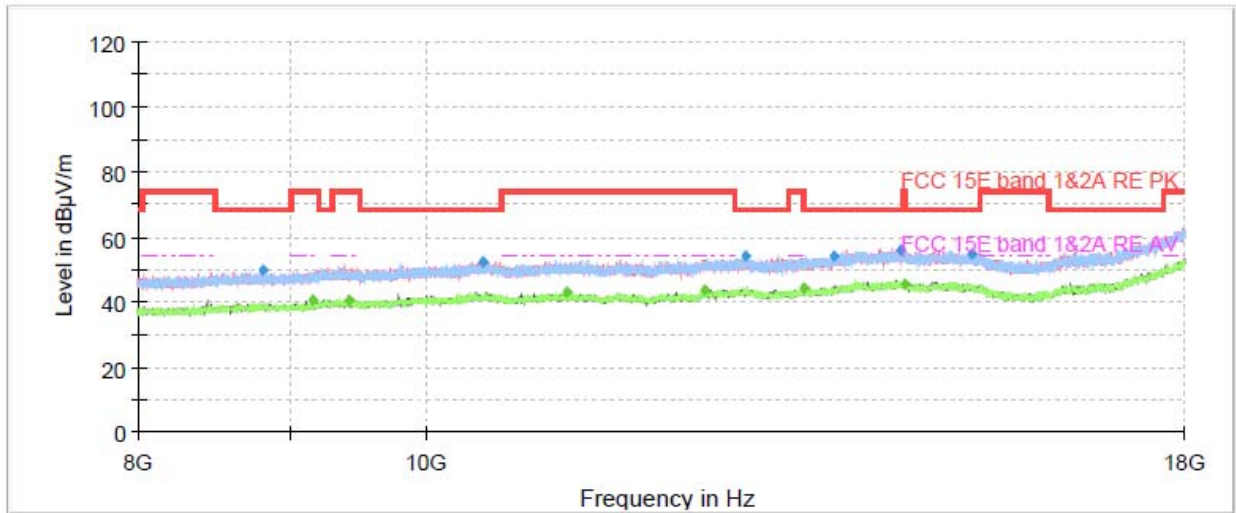
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1290.966667	43.50	---	68.20	24.70	100.0	H	185.0	-7
1402.966667	---	33.68	54.00	20.32	200.0	H	268.0	-6
1696.033333	---	34.96	54.00	19.04	200.0	V	144.0	-5
1765.100000	45.05	---	68.20	23.15	200.0	H	211.0	-4
2206.100000	---	35.56	54.00	18.44	100.0	H	316.0	-2
2689.566667	47.61	---	68.20	20.59	200.0	V	0.0	1
2779.866667	---	38.27	54.00	15.73	200.0	H	49.0	1
3523.500000	50.64	---	68.20	17.56	200.0	H	0.0	4
3940.700000	---	42.16	54.00	11.84	100.0	V	101.0	6
4472.700000	52.05	---	68.20	16.15	100.0	V	0.0	7
7013.466667	53.85	---	68.20	14.35	100.0	V	101.0	11
7339.666667	---	44.08	54.00	9.92	200.0	V	320.0	11

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



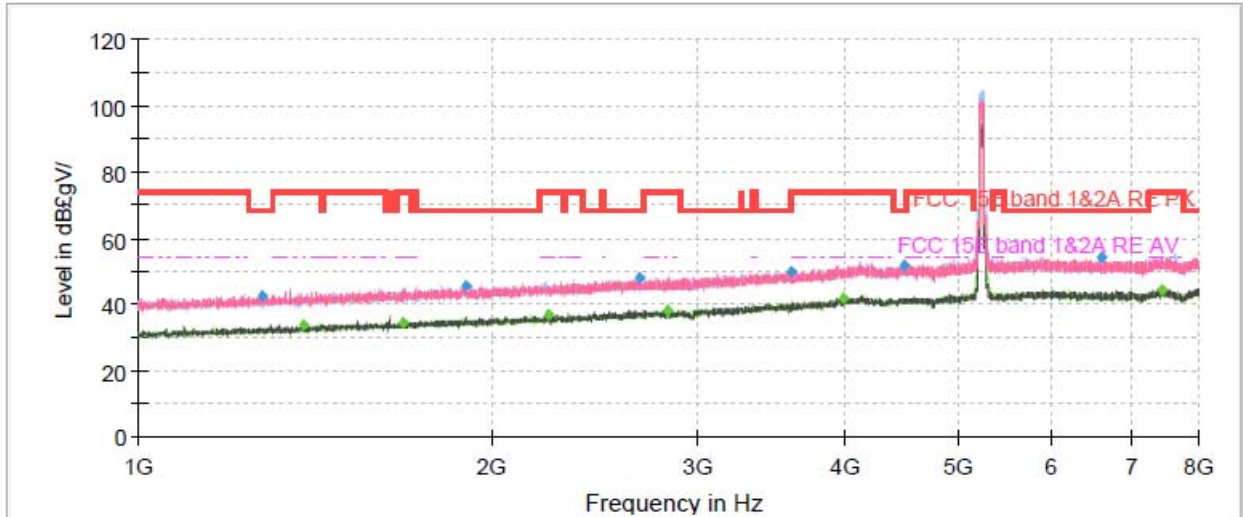
Radiates Emission from 8GHz to 18GHz



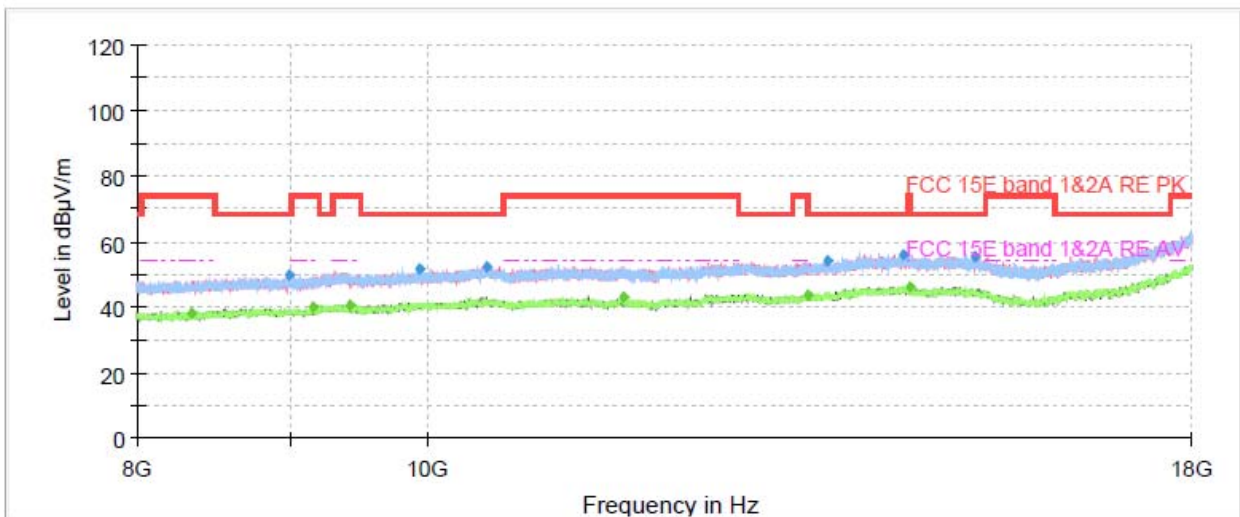
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1289.100000	42.78	---	68.20	25.42	200.0	V	339.0	-7
1377.766667	---	33.55	54.00	20.45	200.0	H	134.0	-6
1721.933333	---	34.54	54.00	19.46	100.0	H	205.0	-4
1871.033333	45.63	---	68.20	22.57	200.0	V	213.0	-4
2213.100000	---	36.45	54.00	17.55	100.0	H	170.0	-2
2652.933333	47.99	---	68.20	20.21	200.0	H	205.0	0
2766.566667	---	38.08	54.00	15.92	100.0	V	232.0	1
3565.966667	50.14	---	68.20	18.06	100.0	V	329.0	4
3945.366667	---	41.61	54.00	12.39	200.0	V	178.0	6
4438.166667	50.90	---	68.20	17.30	100.0	H	48.0	7
6284.766667	53.22	---	68.20	14.98	200.0	H	242.0	10
7376.533333	---	44.42	54.00	9.58	200.0	H	183.0	11

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

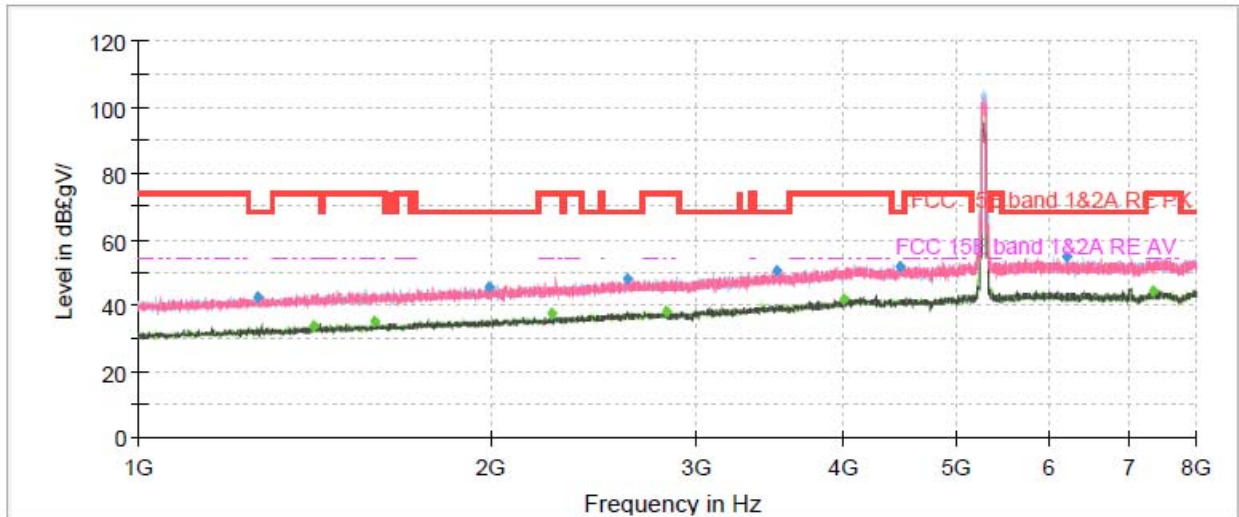


Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1273.233333	42.44	---	68.20	25.76	200.0	V	206.0	-7
1381.733333	---	33.72	54.00	20.28	200.0	V	0.0	-6
1678.066667	---	34.61	54.00	19.39	100.0	V	0.0	-5
1904.166667	45.45	---	68.20	22.75	100.0	H	305.0	-4
2238.300000	---	36.73	54.00	17.27	200.0	V	313.0	-2
2672.533333	47.90	---	68.20	20.30	200.0	V	334.0	0
2820.933333	---	38.37	54.00	15.63	100.0	V	154.0	1
3592.100000	49.82	---	68.20	18.38	100.0	H	353.0	4
3988.300000	---	41.61	54.00	12.39	200.0	V	306.0	6
4484.133333	51.87	---	68.20	16.33	200.0	V	320.0	7
6617.733333	54.23	---	68.20	13.97	200.0	V	221.0	10
7449.100000	---	44.37	54.00	9.63	100.0	H	149.0	11

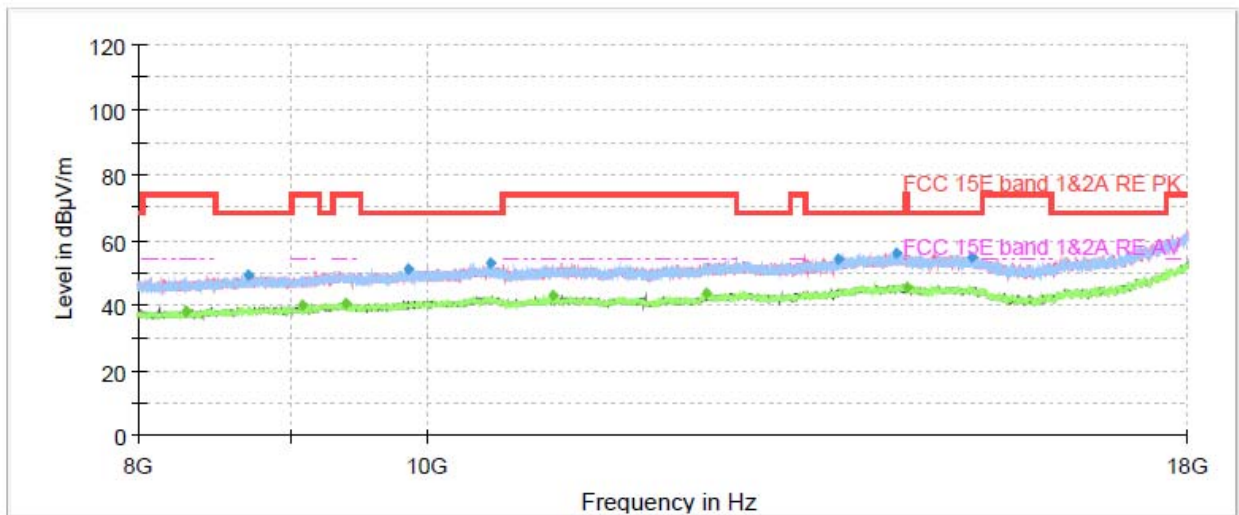
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)



802.11n (HT40) CH54



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



Radiates Emission from 8GHz to 18GHz

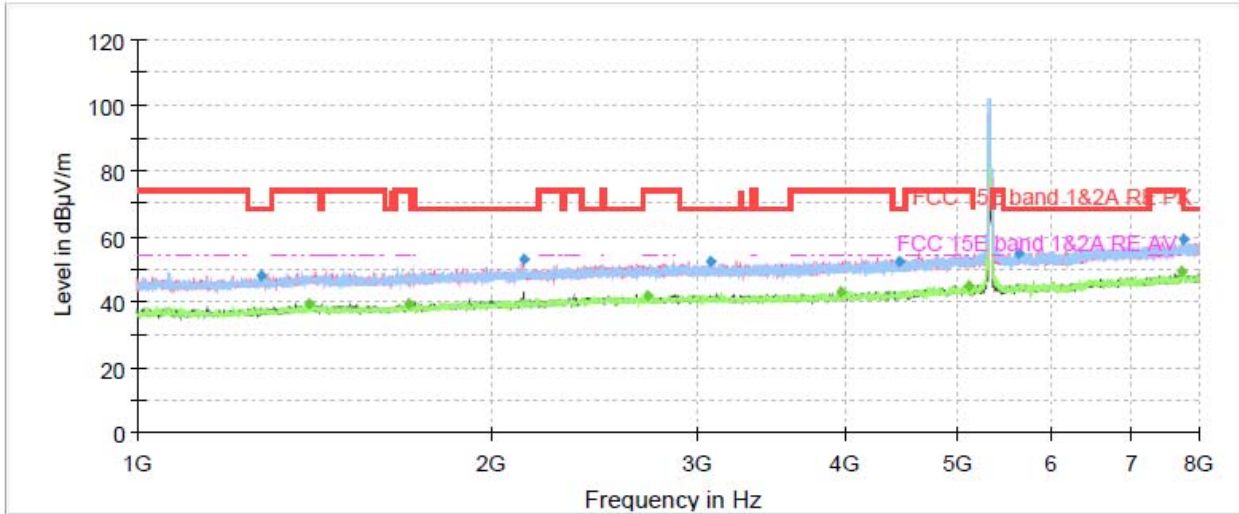


Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1263.200000	42.52	---	68.20	25.68	200.0	V	173.0	-7
1410.433333	---	33.64	54.00	20.36	200.0	H	56.0	-6
1587.066667	---	34.86	54.00	19.14	200.0	V	0.0	-5
1994.233333	45.69	---	68.20	22.51	200.0	V	138.0	-3
2250.433333	---	37.40	54.00	16.60	100.0	V	146.0	-2
2615.600000	48.28	---	68.20	19.92	100.0	H	337.0	0
2820.233333	---	38.43	54.00	15.57	100.0	V	306.0	1
3508.800000	50.48	---	68.20	17.72	200.0	V	207.0	4
3995.066667	---	41.87	54.00	12.13	200.0	V	30.0	6
4459.166667	51.66	---	68.20	16.54	100.0	V	29.0	7
6189.333333	54.55	---	68.20	13.65	100.0	V	49.0	10
7344.800000	---	44.31	54.00	9.69	100.0	H	59.0	11

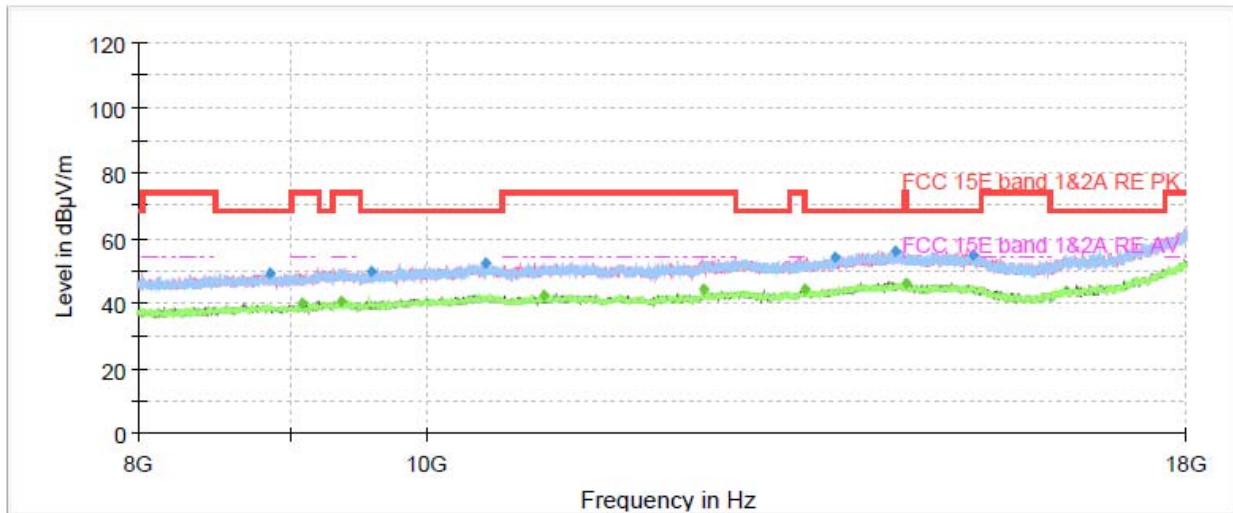
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)



802.11n (HT40) CH62



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



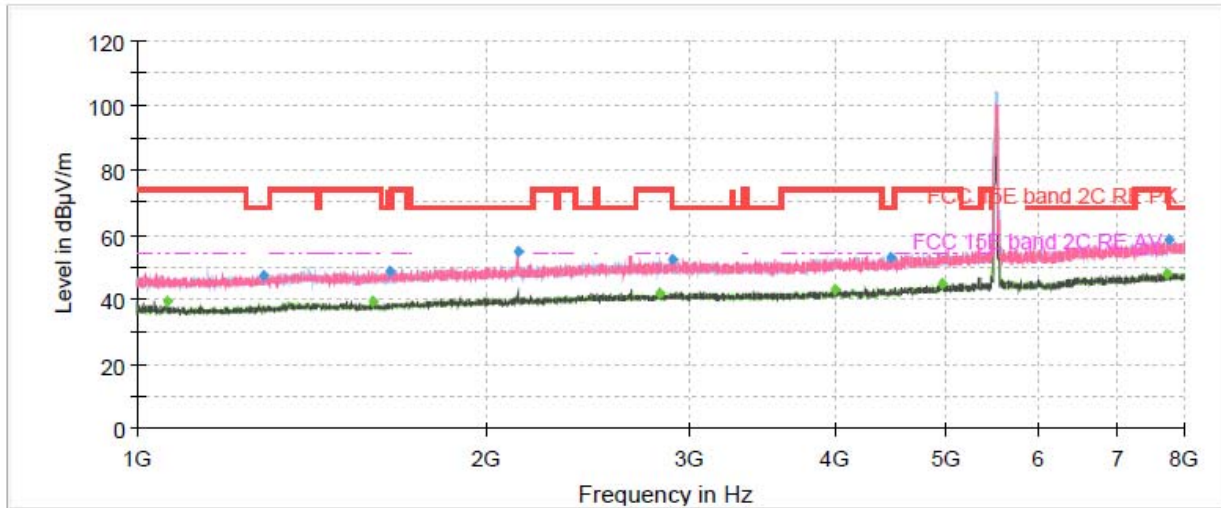
Radiates Emission from 8GHz to 18GHz



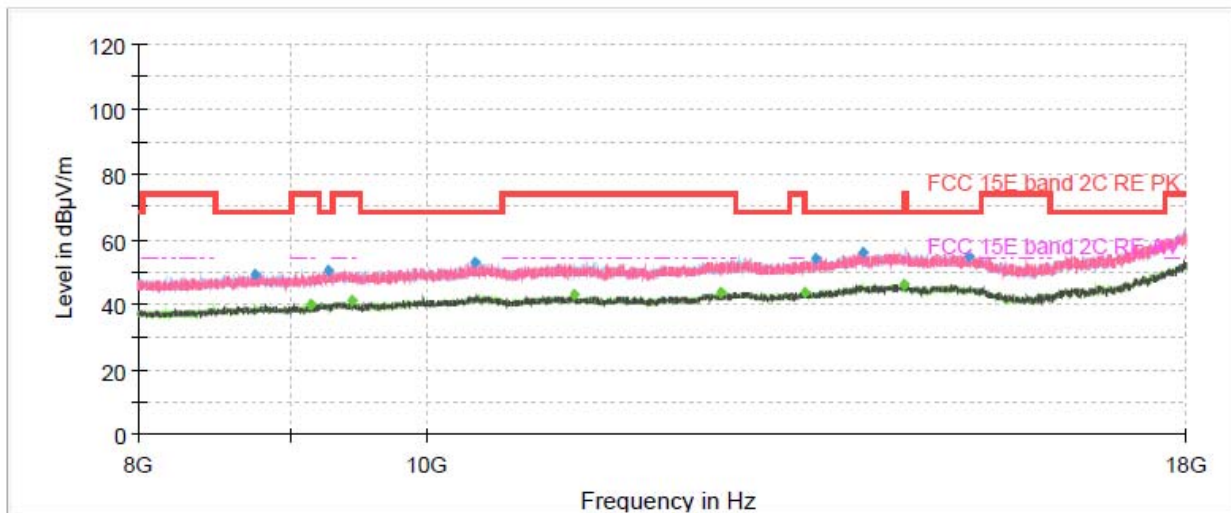
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1272.066667	47.91	---	68.20	20.29	100.0	V	74.0	-8
1398.300000	---	39.17	54.00	14.83	100.0	V	101.0	-7
1702.333333	---	39.19	54.00	14.81	100.0	V	21.0	-6
2132.600000	53.00	---	68.20	15.20	100.0	V	223.0	-4
2718.500000	---	41.76	54.00	12.24	200.0	V	24.0	-4
3078.766667	52.19	---	68.20	16.01	200.0	V	0.0	-3
3967.066667	---	42.99	54.00	11.01	100.0	V	142.0	-1
4449.833333	52.27	---	68.20	15.93	100.0	V	5.0	0
5091.733333	---	44.83	54.00	9.17	200.0	V	356.0	2
5631.433333	54.90	---	68.20	13.30	200.0	H	103.0	3
7734.700000	---	48.98	54.00	5.02	200.0	H	251.0	7
7751.266667	58.96	---	68.20	9.24	200.0	H	143.0	7

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

802.11n (HT40) CH102



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



Radiates Emission from 8GHz to 18GHz

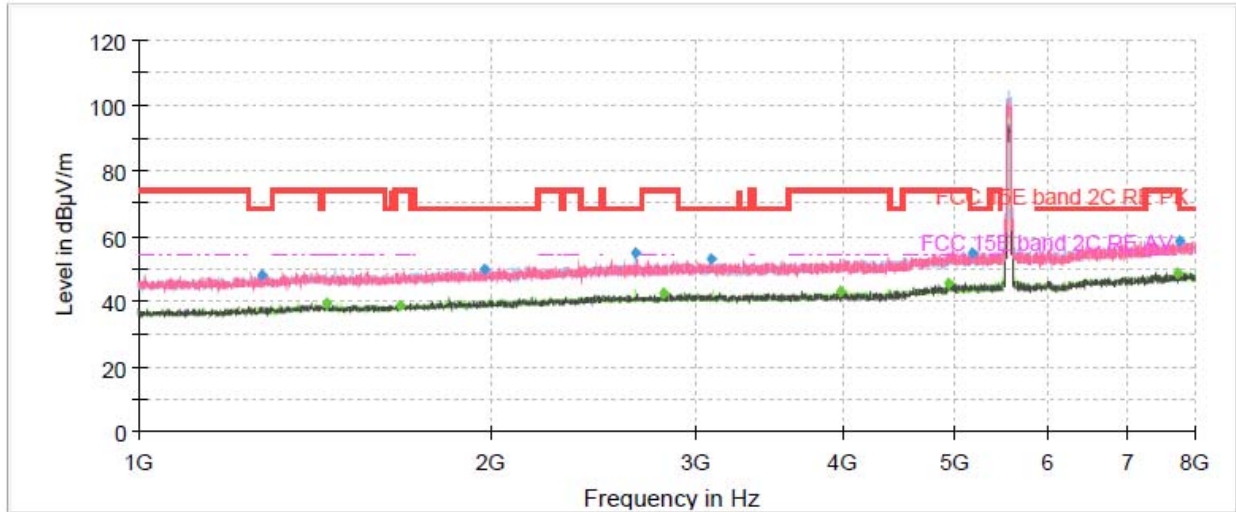


Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1063.000000	---	39.15	54.00	14.85	200.0	V	36.0	-9
1287.233333	47.60	---	68.20	20.60	100.0	V	315.0	-8
1593.833333	---	39.68	54.00	14.32	200.0	V	306.0	-6
1652.866667	48.86	---	68.20	19.34	200.0	V	350.0	-6
2127.233333	54.60	---	68.20	13.60	200.0	V	223.0	-4
2827.933333	---	41.70	54.00	12.30	100.0	V	355.0	-3
2901.200000	52.27	---	68.20	15.93	200.0	H	22.0	-3
3999.266667	---	42.78	54.00	11.22	200.0	V	25.0	-1
4475.733333	52.96	---	68.20	15.24	200.0	H	22.0	0
4955.233333	---	44.90	54.00	9.10	100.0	V	23.0	2
7736.100000	---	48.16	54.00	5.84	100.0	V	357.0	7
7778.100000	58.46	---	68.20	9.74	100.0	V	298.0	7

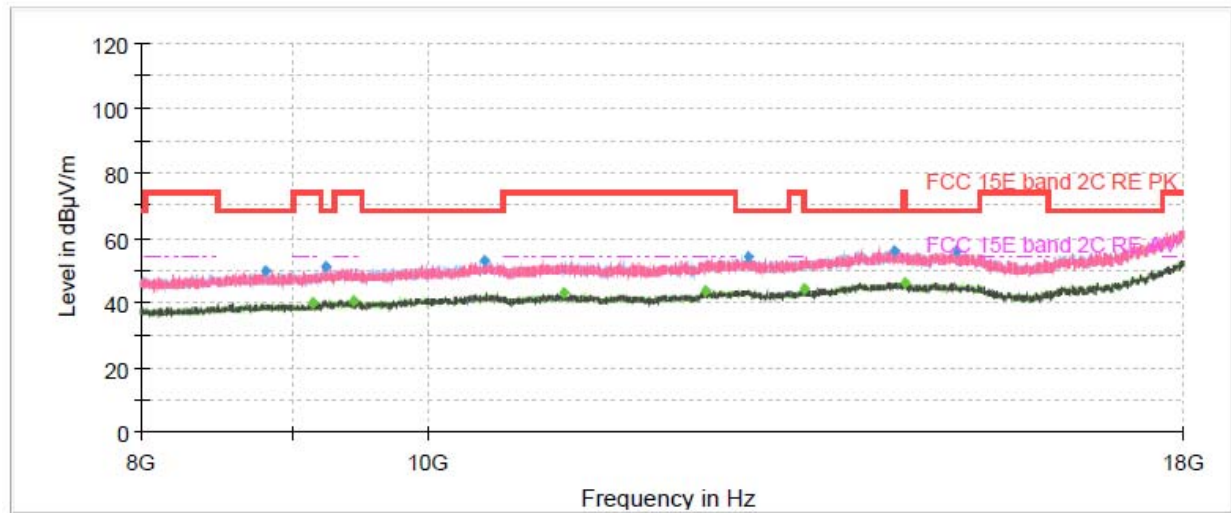
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)



802.11n (HT40) CH110



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



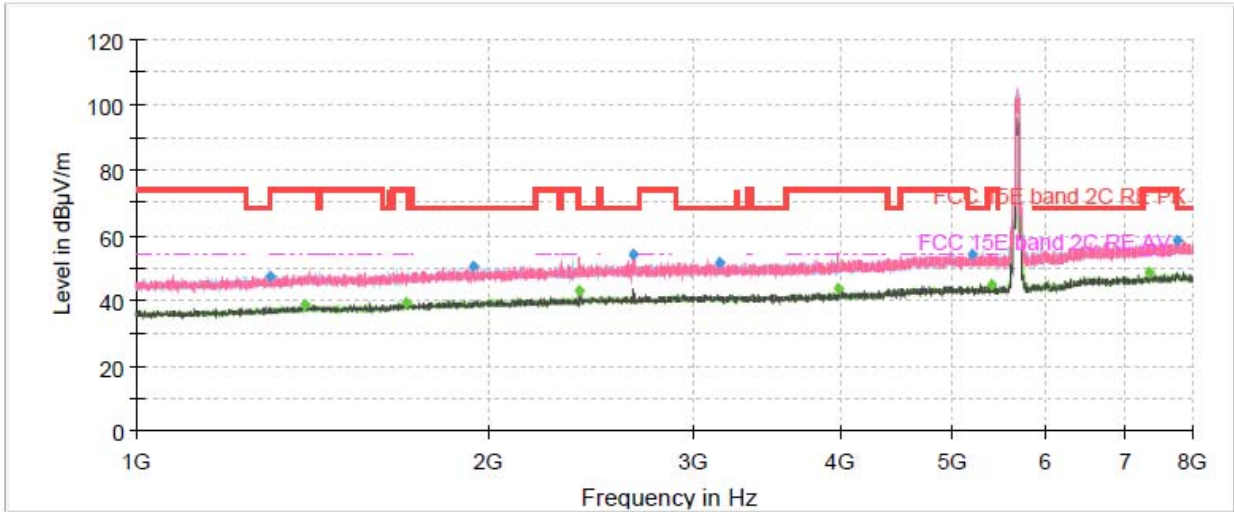
Radiates Emission from 8GHz to 18GHz



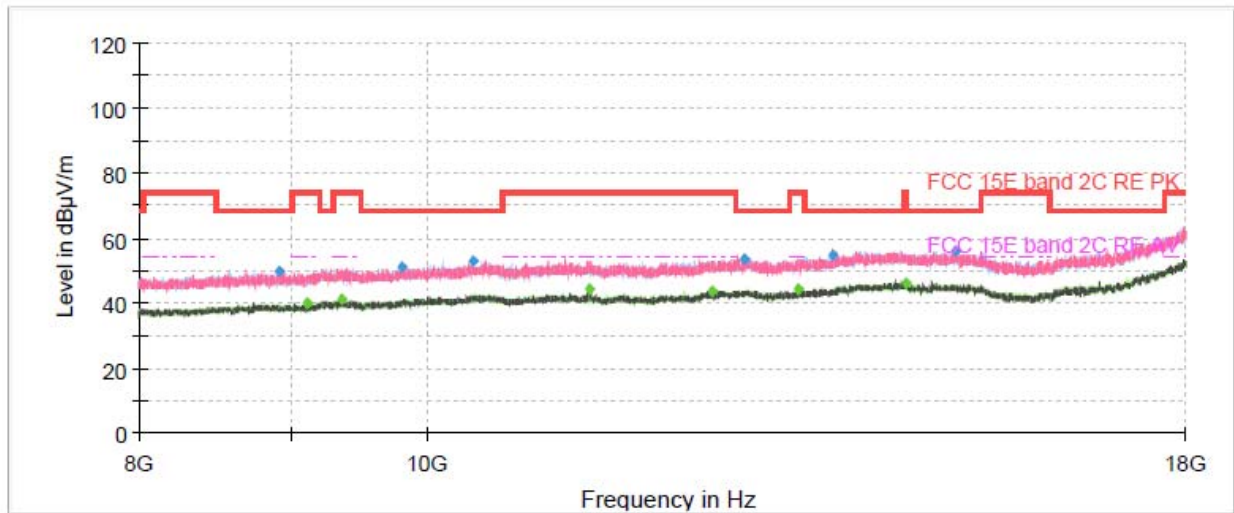
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1272.766667	48.15	---	68.20	20.05	100.0	V	5.0	-8
1445.433333	---	39.43	54.00	14.57	200.0	H	230.0	-7
1674.566667	---	38.58	54.00	15.42	200.0	H	98.0	-6
1978.133333	49.94	---	68.20	18.26	100.0	V	3.0	-5
2661.566667	54.92	---	68.20	13.28	100.0	H	144.0	-3
2810.200000	---	42.29	54.00	11.71	200.0	H	10.0	-3
3084.366667	52.75	---	68.20	15.45	100.0	H	209.0	-3
3987.366667	---	42.93	54.00	11.07	200.0	H	2.0	-1
4934.233333	---	45.24	54.00	8.76	100.0	V	14.0	2
5163.133333	54.84	---	68.20	13.36	100.0	V	191.0	2
7747.300000	---	48.71	54.00	5.29	100.0	V	84.0	7
7774.366667	58.27	---	68.20	9.93	100.0	V	292.0	7

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

802.11n (HT40) CH134



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



Radiates Emission from 8GHz to 18GHz

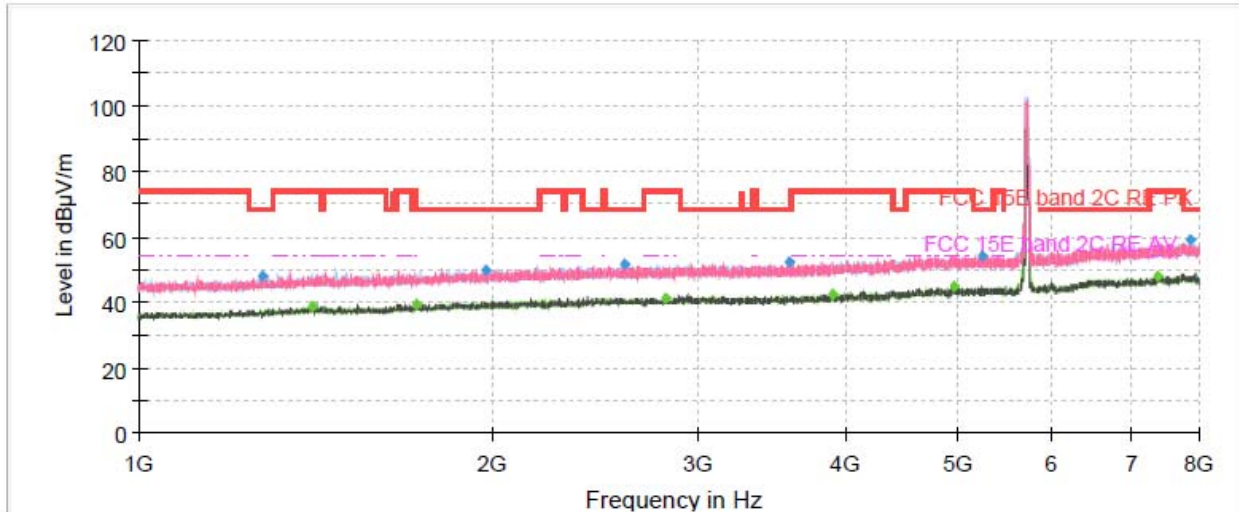


Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1299.833333	47.58	---	68.20	20.62	200.0	V	39.0	-8
1394.333333	---	38.98	54.00	15.02	100.0	V	0.0	-7
1701.166667	---	39.16	54.00	14.84	200.0	V	12.0	-6
1940.566667	50.32	---	68.20	17.88	100.0	H	338.0	-5
2389.733333	---	43.34	54.00	10.66	100.0	V	22.0	-4
2656.200000	54.27	---	68.20	13.93	200.0	H	143.0	-4
3149.233333	51.92	---	68.20	16.28	100.0	H	137.0	-3
3982.933333	---	43.91	54.00	10.09	100.0	V	248.0	-1
5193.466667	54.16	---	68.20	14.04	100.0	H	60.0	2
5393.433333	---	44.79	54.00	9.21	200.0	V	103.0	3
7357.866667	---	48.87	54.00	5.13	200.0	H	358.0	7
7753.600000	58.56	---	68.20	9.64	200.0	H	300.0	7

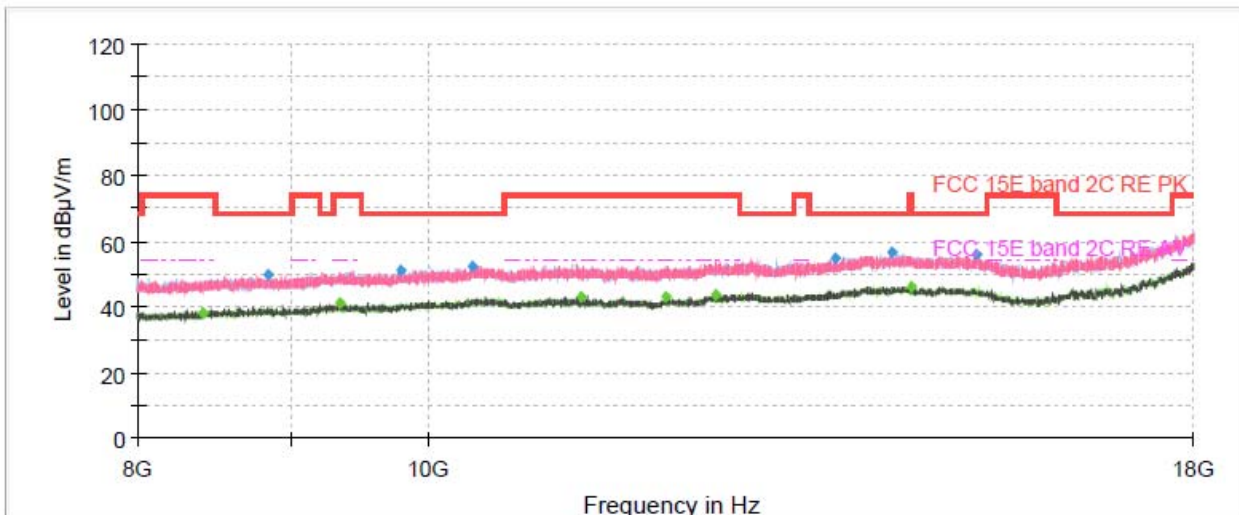
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)



802.11n (HT40) CH142



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



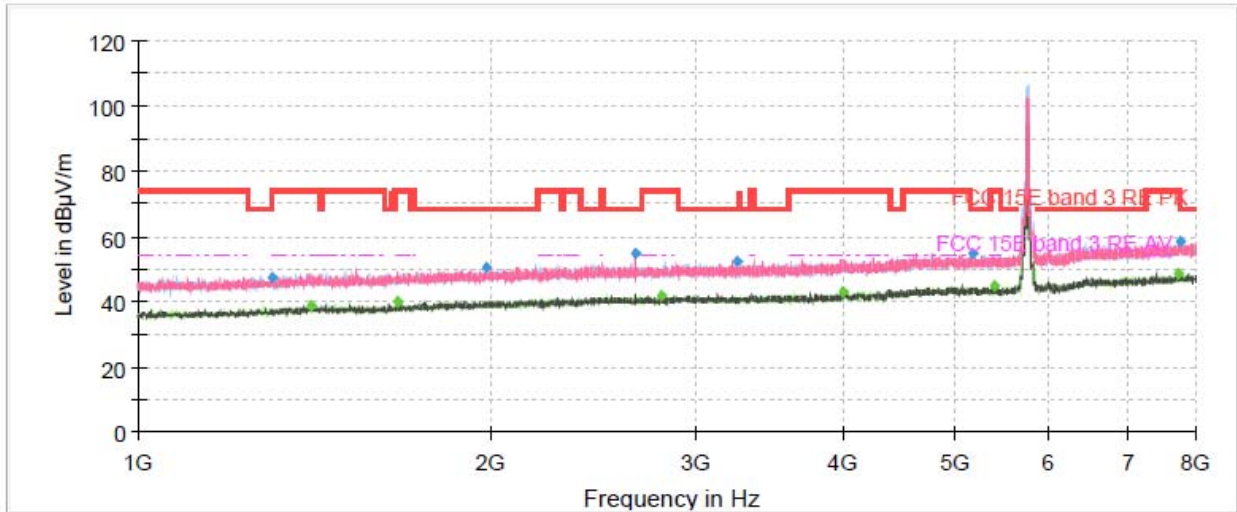
Radiates Emission from 8GHz to 18GHz



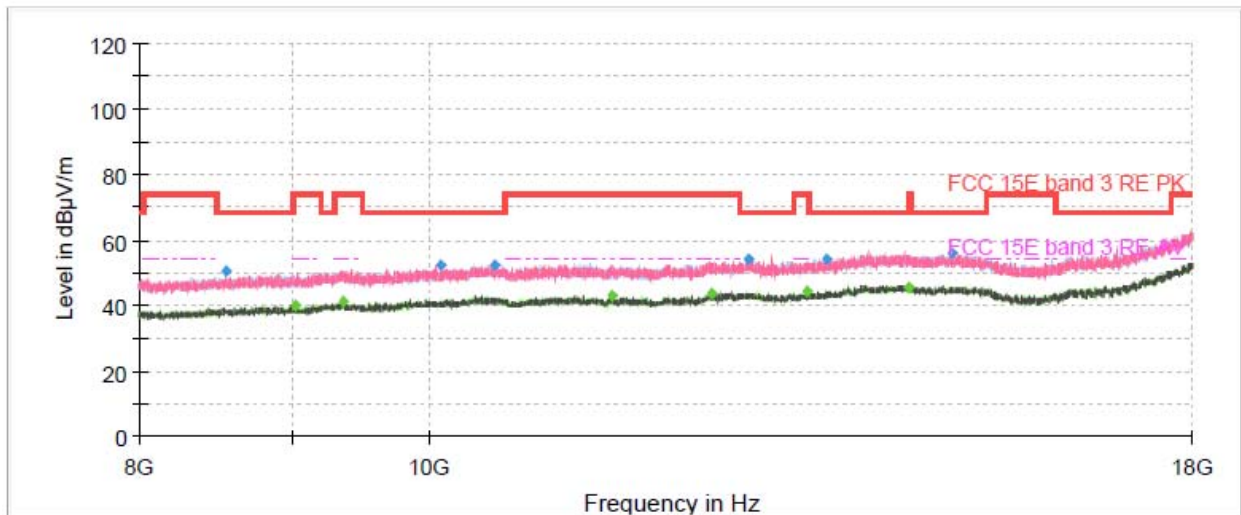
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1271.600000	47.86	---	68.20	20.34	200.0	H	51.0	-8
1406.700000	---	39.00	54.00	15.00	100.0	H	237.0	-7
1721.700000	---	39.41	54.00	14.59	100.0	V	0.0	-6
1973.700000	50.07	---	68.20	18.13	100.0	H	339.0	-5
2594.833333	51.97	---	68.20	16.23	100.0	H	357.0	-4
2804.833333	---	41.37	54.00	12.63	100.0	V	0.0	-3
3583.933333	52.40	---	68.20	15.80	100.0	H	184.0	-3
3905.933333	---	42.56	54.00	11.44	100.0	V	106.0	-2
4957.566667	---	44.70	54.00	9.30	200.0	V	52.0	2
5239.433333	54.23	---	68.20	13.97	100.0	V	211.0	2
7379.800000	---	47.71	54.00	6.29	100.0	H	184.0	7
7863.500000	58.84	---	68.20	9.36	100.0	V	145.0	7

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



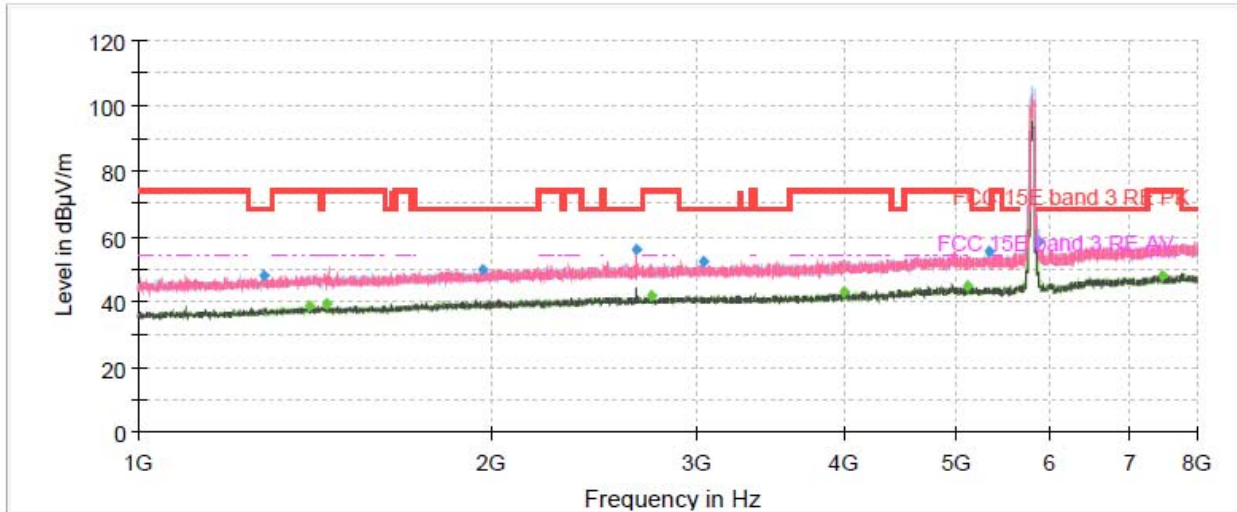
Radiates Emission from 8GHz to 18GHz



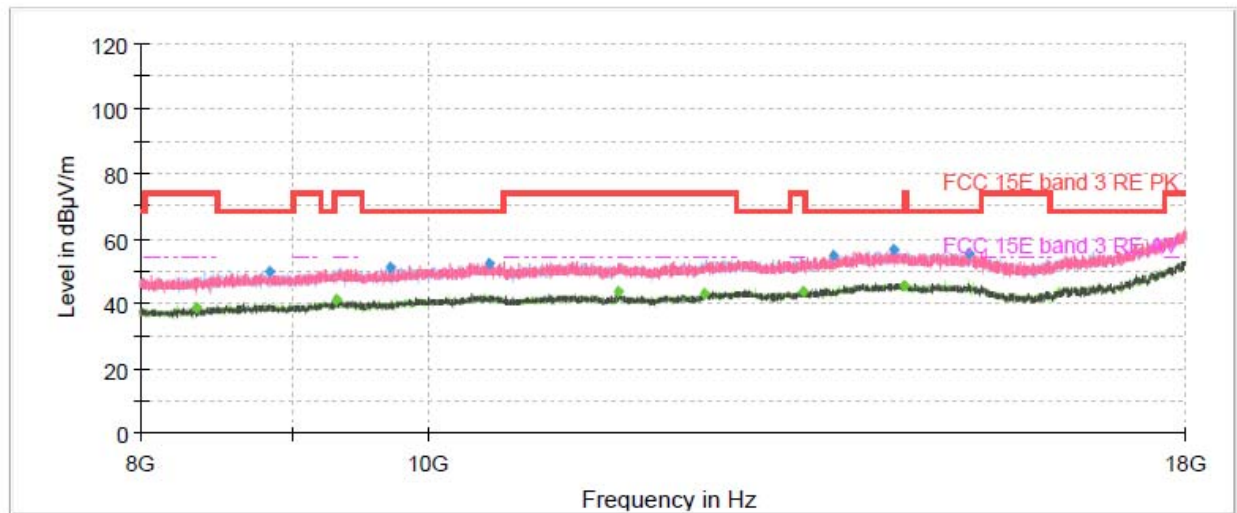
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1299.600000	47.41	---	68.20	20.79	200.0	V	319.0	-8
1407.166667	---	38.56	54.00	15.44	200.0	V	0.0	-7
1664.766667	---	40.21	54.00	13.79	100.0	V	164.0	-6
1984.433333	50.30	---	68.20	17.90	200.0	V	166.0	-5
2661.333333	54.53	---	68.20	13.68	200.0	V	115.0	-3
2800.866667	---	41.71	54.00	12.29	200.0	V	191.0	-3
3242.100000	52.16	---	68.20	16.04	100.0	V	12.0	-3
3999.966667	---	42.94	54.00	11.06	100.0	V	7.0	-1
5164.066667	54.91	---	68.20	13.29	100.0	H	159.0	2
5398.333333	---	44.87	54.00	9.13	200.0	V	77.0	3
7746.600000	---	48.44	54.00	5.56	100.0	V	337.0	7
7773.200000	58.35	---	68.20	9.85	100.0	V	1.0	7

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

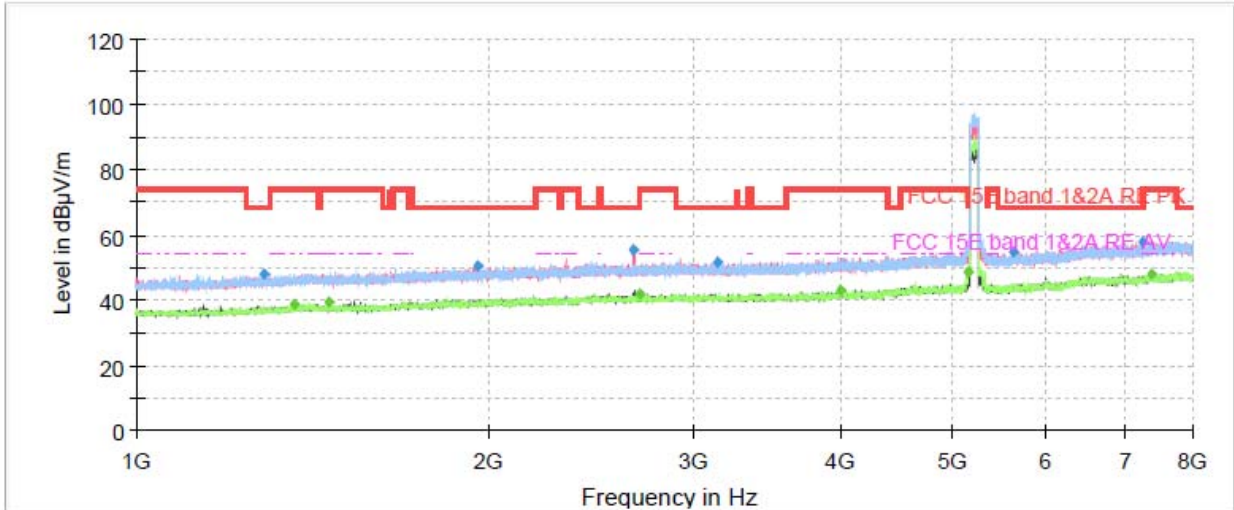


Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1281.166667	48.02	---	68.20	20.18	100.0	V	13.0	-8
1401.566667	---	39.04	54.00	14.96	200.0	H	18.0	-7
1444.966667	---	39.33	54.00	14.67	100.0	V	122.0	-7
1963.900000	49.85	---	68.20	18.35	200.0	H	0.0	-5
2655.500000	55.88	---	68.20	12.32	100.0	V	108.0	-4
2739.266667	---	41.75	54.00	12.25	200.0	H	322.0	-4
3035.366667	52.18	---	68.20	16.02	100.0	H	222.0	-3
3998.333333	---	42.98	54.00	11.02	100.0	V	254.0	-1
5097.333333	---	44.77	54.00	9.23	100.0	H	0.0	2
5312.700000	55.33	---	68.20	12.87	200.0	H	171.0	2
5870.600000	58.36	---	68.20	9.84	200.0	H	308.0	4
7486.200000	---	48.14	54.00	5.86	200.0	V	348.0	7

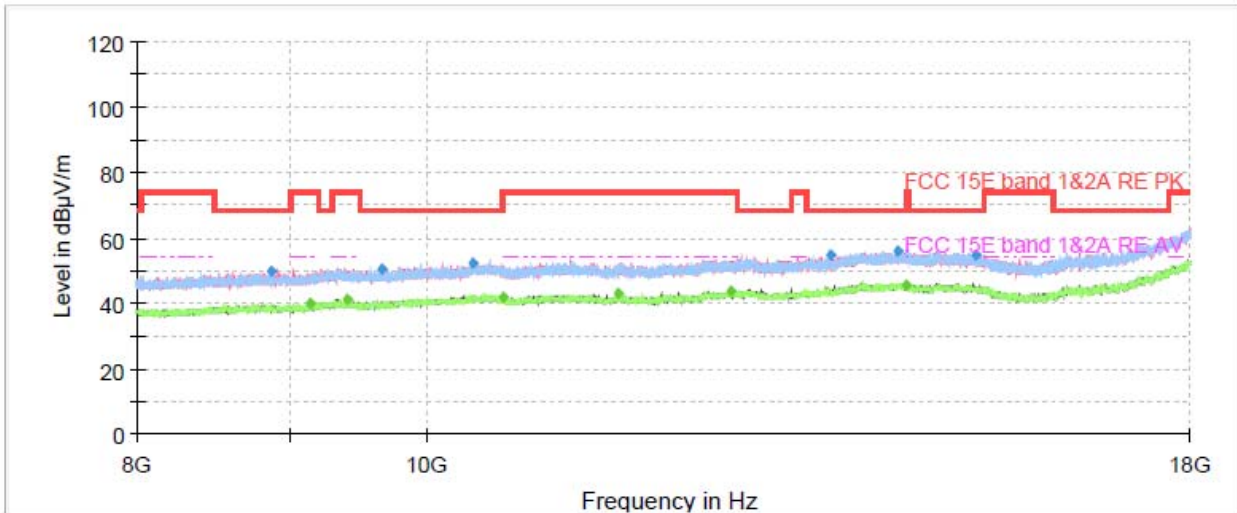
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)



802.11ac (VHT80) CH42



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



Radiates Emission from 8GHz to 18GHz

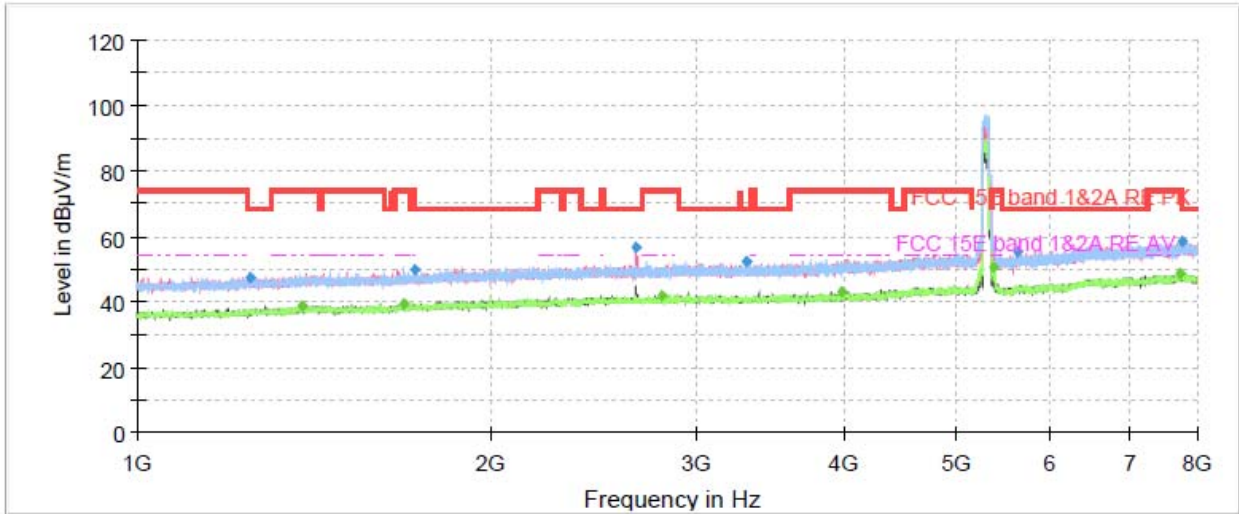


Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1285.833333	47.70	---	68.20	20.50	200.0	H	37.0	-8
1364.466667	---	38.86	54.00	15.14	100.0	V	345.0	-7
1458.500000	---	39.32	54.00	14.68	100.0	V	345.0	-7
1960.633333	50.70	---	68.20	17.50	200.0	V	358.0	-5
2663.666667	55.45	---	68.20	12.75	100.0	V	285.0	-3
2696.800000	---	41.84	54.00	12.16	200.0	H	0.0	-4
3134.766667	51.93	---	68.20	16.27	200.0	V	13.0	-3
3999.033333	---	42.86	54.00	11.14	100.0	V	0.0	-1
5148.900000	---	48.64	54.00	5.36	100.0	H	200.0	2
5631.666667	55.01	---	68.20	13.19	100.0	H	26.0	3
7246.566667	57.95	---	68.20	10.25	100.0	H	120.0	6
7378.866667	---	47.81	54.00	6.19	100.0	V	2.0	7

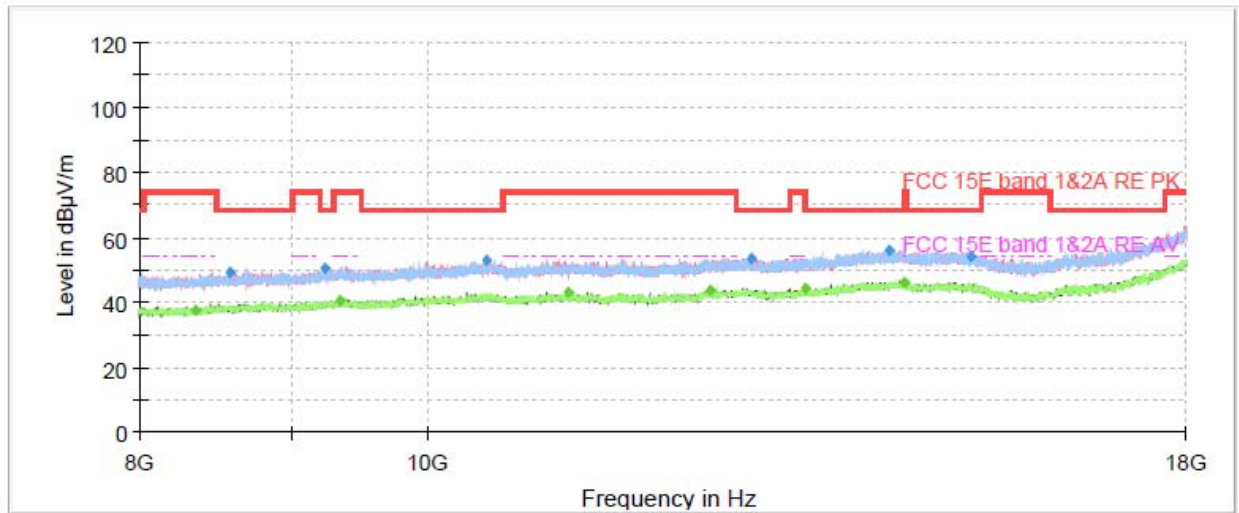
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)



802.11ac (VHT80) CH58



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



Radiates Emission from 8GHz to 18GHz

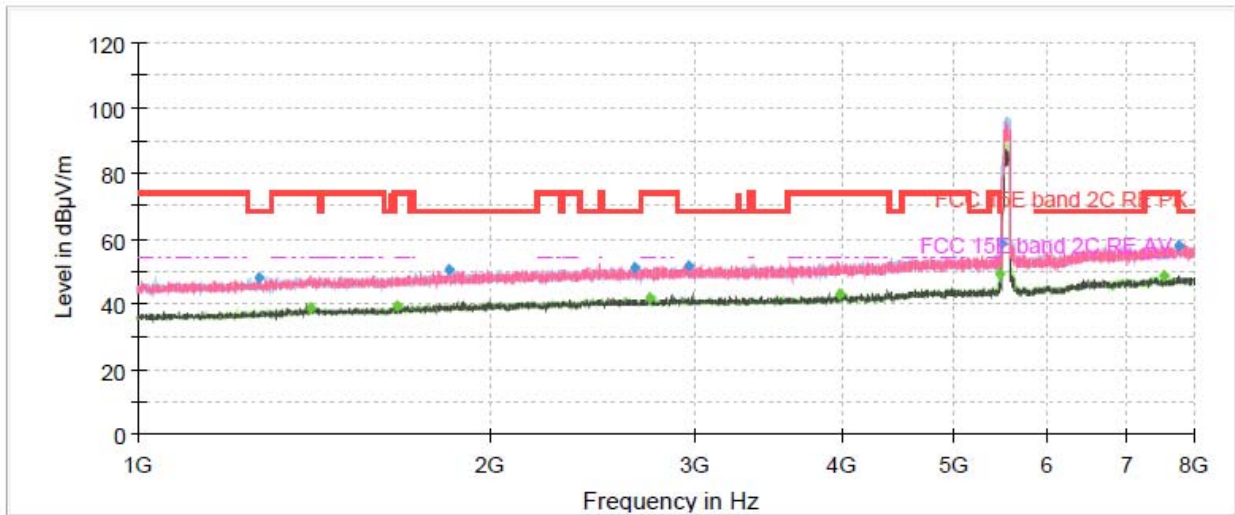


Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1250.133333	47.60	---	68.20	20.60	100.0	V	226.0	-8
1379.166667	---	38.96	54.00	15.04	200.0	V	236.0	-7
1685.766667	---	39.18	54.00	14.82	100.0	V	134.0	-6
1725.666667	50.02	---	68.20	18.18	200.0	V	11.0	-6
2657.366667	56.77	---	68.20	11.43	100.0	V	107.0	-4
2796.666667	---	42.08	54.00	11.92	200.0	H	306.0	-4
3309.533333	52.32	---	68.20	15.88	200.0	V	18.0	-3
3983.866667	---	43.01	54.00	10.99	100.0	V	0.0	-1
5353.533333	---	50.48	54.00	3.52	100.0	H	2.0	3
5626.066667	55.31	---	68.20	12.89	200.0	H	241.0	3
7741.000000	---	48.32	54.00	5.68	200.0	V	0.0	7
7776.000000	58.62	---	68.20	9.58	100.0	H	2.0	7

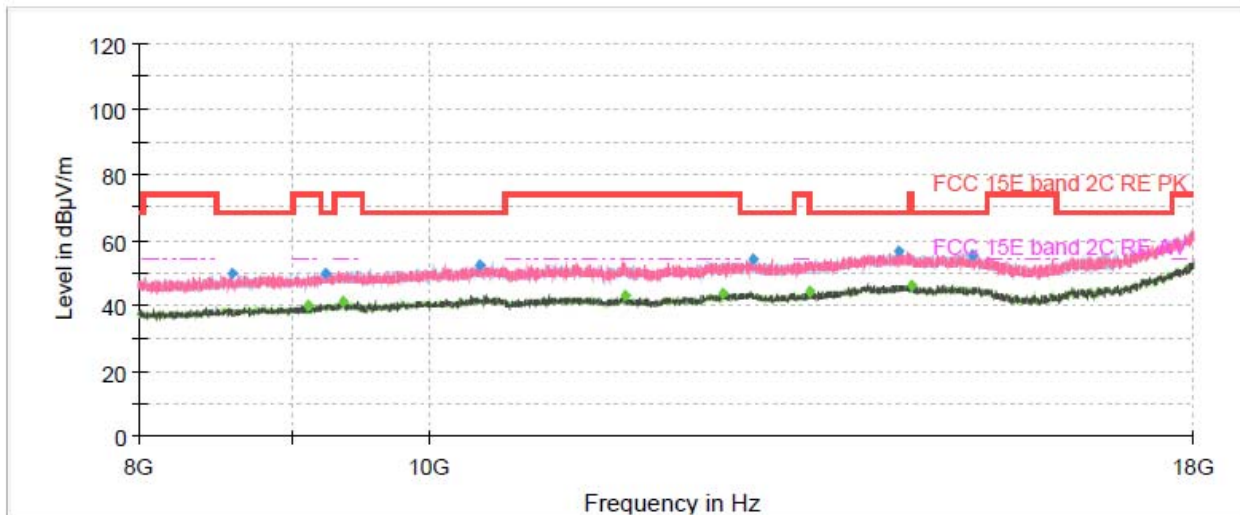
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)



802.11ac (VHT80) CH106



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



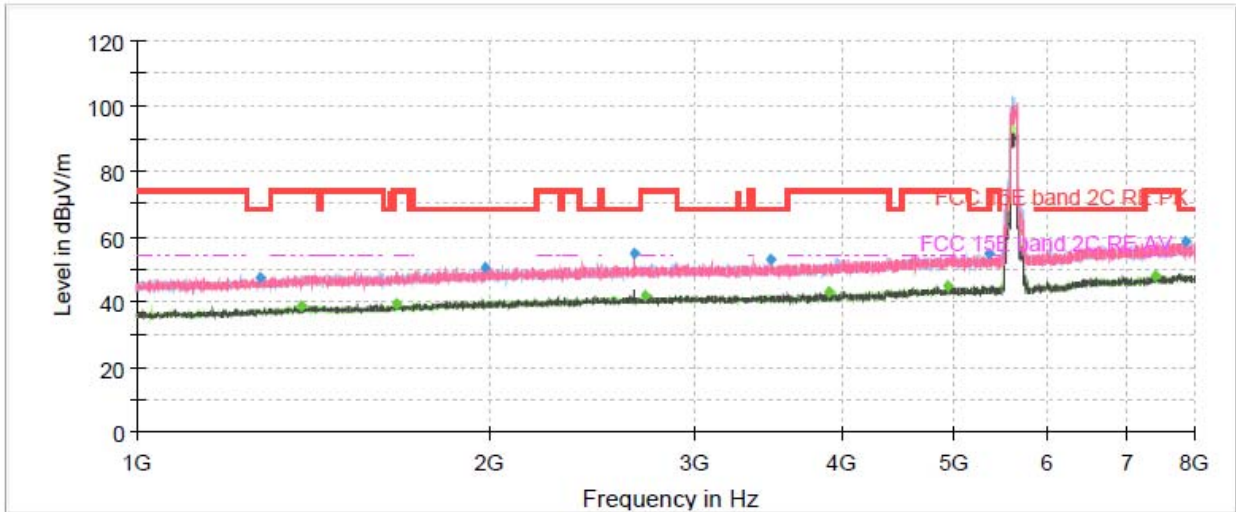
Radiates Emission from 8GHz to 18GHz



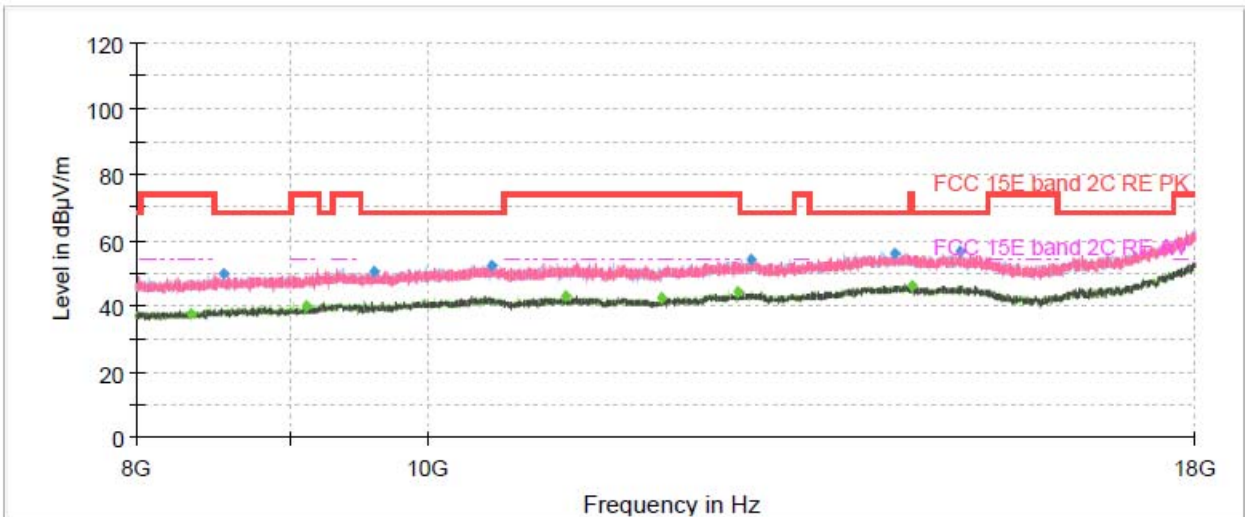
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1269.966667	47.99	---	68.20	20.21	100.0	V	0.0	-8
1404.366667	---	38.72	54.00	15.28	100.0	V	169.0	-7
1664.766667	---	39.51	54.00	14.49	100.0	V	143.0	-6
1848.166667	50.23	---	68.20	17.97	100.0	H	330.0	-5
2658.300000	51.20	---	68.20	17.00	200.0	H	12.0	-4
2735.066667	---	41.57	54.00	12.43	100.0	V	236.0	-4
2951.833333	51.84	---	68.20	16.36	200.0	H	1.0	-3
3985.033333	---	42.78	54.00	11.22	100.0	V	50.0	-1
5454.333333	---	49.27	54.00	4.73	100.0	H	353.0	3
5469.733333	58.25	---	68.20	9.95	100.0	H	0.0	3
7527.733333	---	48.68	54.00	5.32	200.0	V	64.0	7
7779.033333	58.04	---	68.20	10.16	100.0	H	340.0	7

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

802.11ac (VHT80) CH122



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



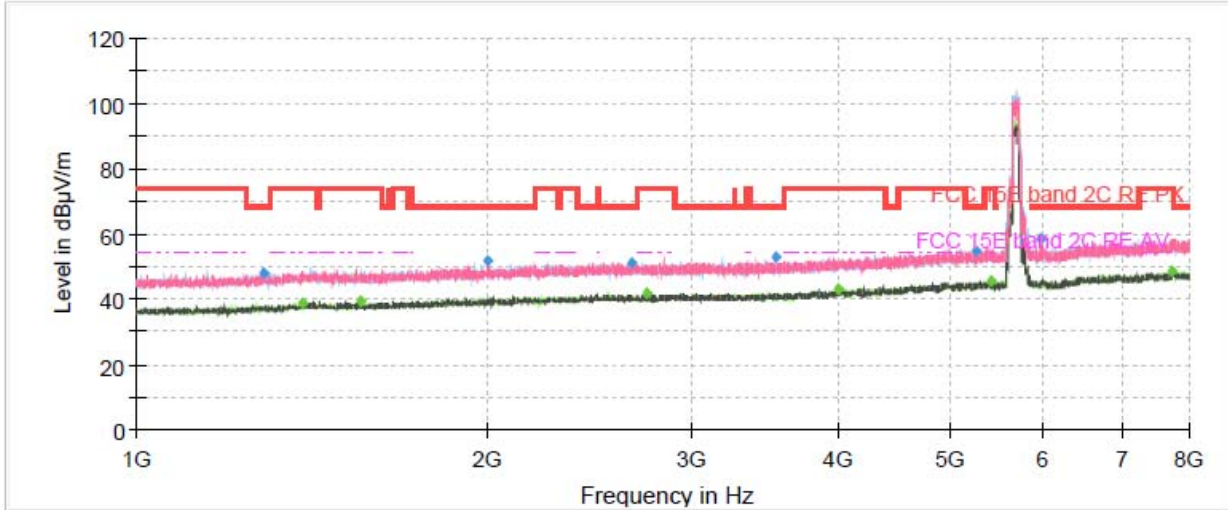
Radiates Emission from 8GHz to 18GHz



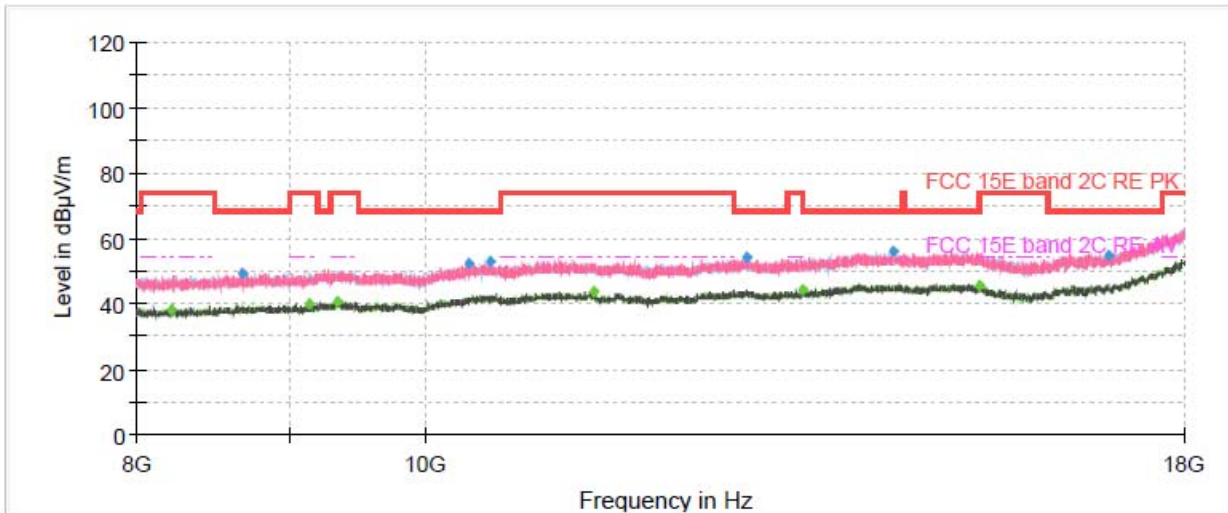
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1271.600000	47.38	---	68.20	20.82	200.0	V	97.0	-8
1378.933333	---	38.71	54.00	15.29	100.0	V	62.0	-7
1664.533333	---	39.65	54.00	14.35	100.0	V	10.0	-6
1987.000000	50.55	---	68.20	17.65	100.0	V	25.0	-5
2656.666667	54.52	---	68.20	13.68	100.0	V	308.0	-4
2712.200000	---	41.88	54.00	12.12	100.0	H	26.0	-4
3480.800000	52.83	---	68.20	15.37	100.0	H	356.0	-3
3905.233333	---	42.81	54.00	11.19	100.0	H	202.0	-2
4933.766667	---	45.01	54.00	8.99	100.0	H	269.0	2
5335.100000	54.78	---	68.20	13.42	200.0	V	231.0	3
7408.966667	---	48.29	54.00	5.71	100.0	V	102.0	7
7852.300000	58.57	---	68.20	9.63	100.0	V	239.0	7

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

802.11ac (VHT80) CH138



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



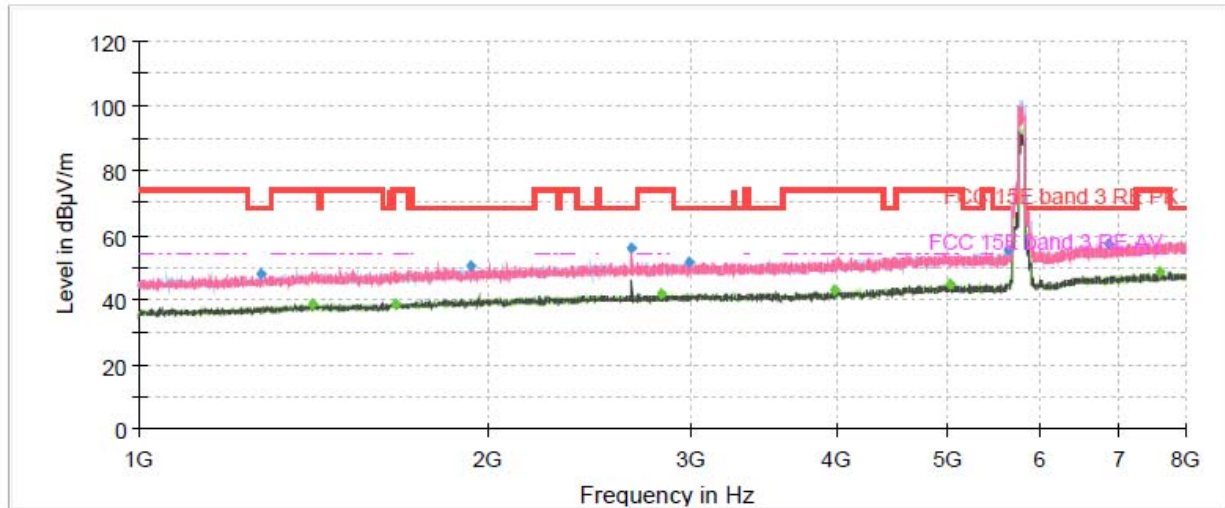
Radiates Emission from 8GHz to 18GHz



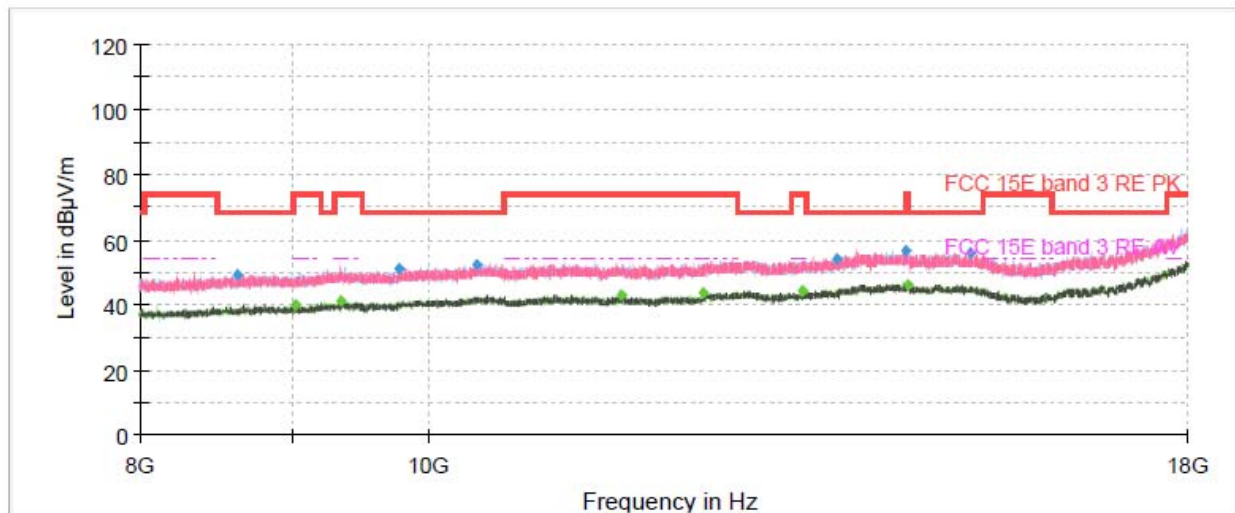
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1284.900000	47.82	---	68.20	20.38	200.0	V	10.0	-8
1387.566667	---	39.07	54.00	14.93	200.0	V	83.0	-7
1556.033333	---	39.31	54.00	14.69	200.0	V	353.0	-7
1998.666667	51.79	---	68.20	16.41	200.0	V	166.0	-5
2655.033333	51.35	---	68.20	16.85	100.0	V	135.0	-4
2739.033333	---	41.55	54.00	12.45	100.0	V	0.0	-4
3535.866667	52.95	---	68.20	15.25	200.0	H	21.0	-3
3995.533333	---	42.83	54.00	11.17	200.0	V	340.0	-1
5242.000000	54.88	---	68.20	13.32	200.0	V	353.0	2
5398.566667	---	45.65	54.00	8.35	200.0	V	329.0	3
5972.333333	58.65	---	68.20	9.55	100.0	V	150.0	4
7746.133333	---	48.36	54.00	5.64	100.0	H	301.0	7

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

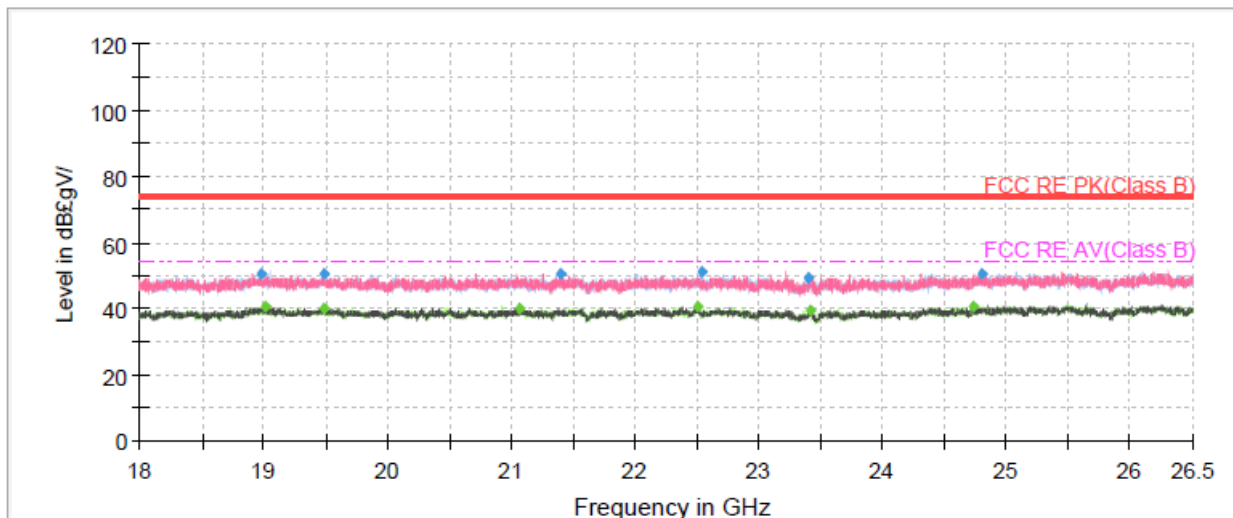


Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1274.400000	47.84	---	68.20	20.36	200.0	H	1.0	-8
1412.300000	---	38.63	54.00	15.37	200.0	V	160.0	-7
1665.000000	---	39.05	54.00	14.95	200.0	V	160.0	-6
1936.833333	50.18	---	68.20	18.02	200.0	H	146.0	-5
2664.833333	55.85	---	68.20	12.35	200.0	V	173.0	-3
2825.600000	---	41.63	54.00	12.37	100.0	H	343.0	-3
2985.433333	51.81	---	68.20	16.39	200.0	H	308.0	-3
3988.066667	---	42.81	54.00	11.19	100.0	V	0.0	-1
5021.033333	---	44.96	54.00	9.04	200.0	H	29.0	2
5628.166667	55.64	---	68.20	12.56	200.0	H	12.0	3
6851.300000	57.49	---	68.20	10.71	100.0	V	41.0	6
7615.933333	---	48.58	54.00	5.42	100.0	V	267.0	7

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



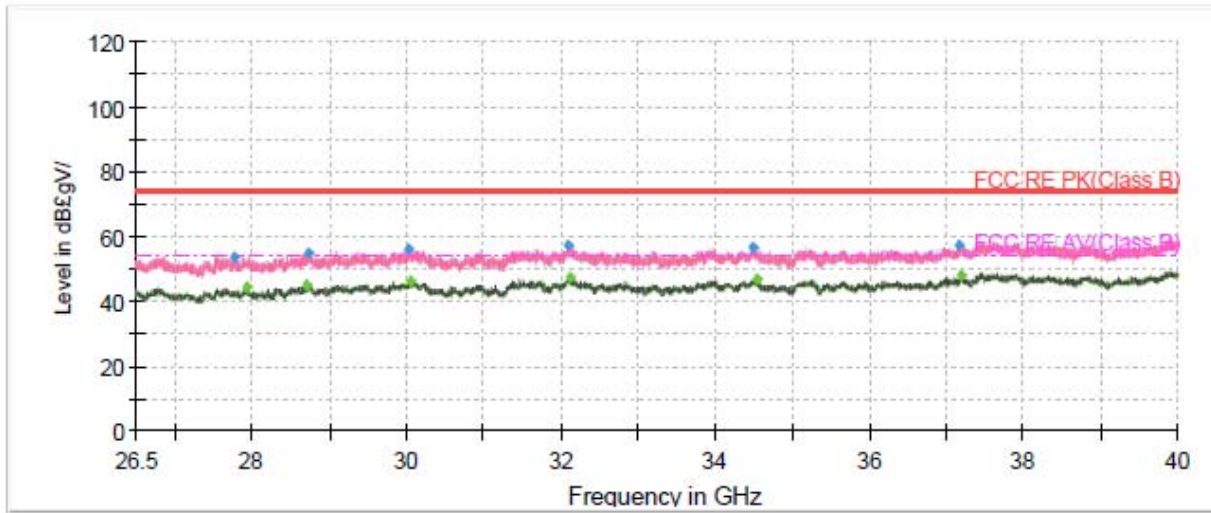
During the test, the Radiates Emission from 18GHz to 40GHz was performed in all modes with all channels, 802.11ac (VHT80), Channel 58 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.



Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
18988.266667	50.27	---	74.00	23.73	100.0	V	99.0	-1
19023.116667	---	40.38	54.00	13.62	100.0	V	106.0	-1
19492.033333	---	40.17	54.00	13.83	200.0	V	135.0	-1
19494.866667	50.22	---	74.00	23.78	100.0	H	273.0	-1
21072.750000	---	40.27	54.00	13.73	200.0	V	287.0	0
21401.133333	50.74	---	74.00	23.26	200.0	V	340.0	0
22500.750000	---	40.63	54.00	13.38	200.0	V	7.0	2
22538.150000	50.88	---	74.00	23.12	100.0	H	44.0	2
23392.400000	49.36	---	74.00	24.64	100.0	V	52.0	2
23414.500000	---	39.49	54.00	14.51	200.0	V	197.0	2
24722.366667	---	40.37	54.00	13.63	200.0	V	313.0	3
24797.733333	50.61	---	74.00	23.39	100.0	H	87.0	3

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



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
27774.400000	53.75	---	74.00	20.25	100.0	V	251.0	6
27945.400000	---	44.14	54.00	9.86	200.0	H	0.0	6
28706.800000	---	44.94	54.00	9.06	100.0	V	60.0	7
28744.150000	54.92	---	74.00	19.08	100.0	V	108.0	7
30032.950000	56.30	---	74.00	17.70	200.0	H	127.0	7
30051.400000	---	46.04	54.00	7.96	200.0	H	330.0	7
32104.300000	57.04	---	74.00	16.96	200.0	V	59.0	8
32115.550000	---	47.52	54.00	6.48	100.0	V	286.0	8
34478.050000	56.80	---	74.00	17.20	200.0	V	158.0	8
34549.150000	---	47.05	54.00	6.95	200.0	H	13.0	8
37175.800000	57.29	---	74.00	16.71	200.0	V	295.0	10
37201.450000	---	47.77	54.00	6.24	100.0	H	320.0	10

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

5.6. Conducted Emission

Ambient condition

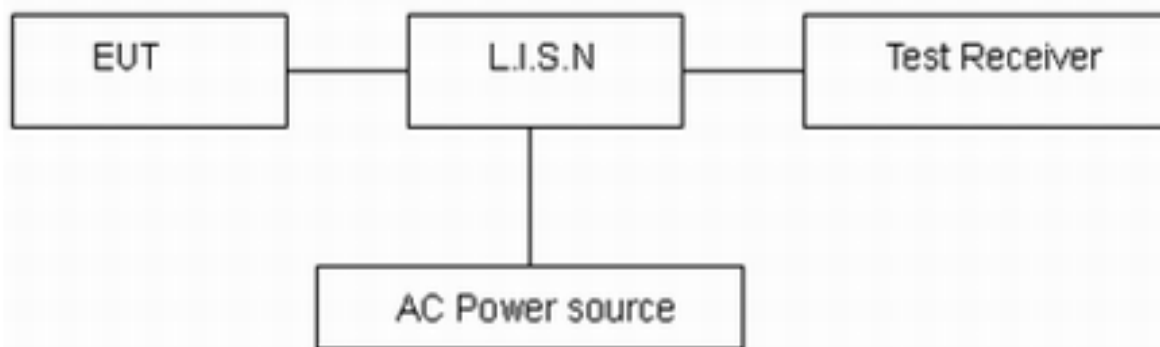
Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

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

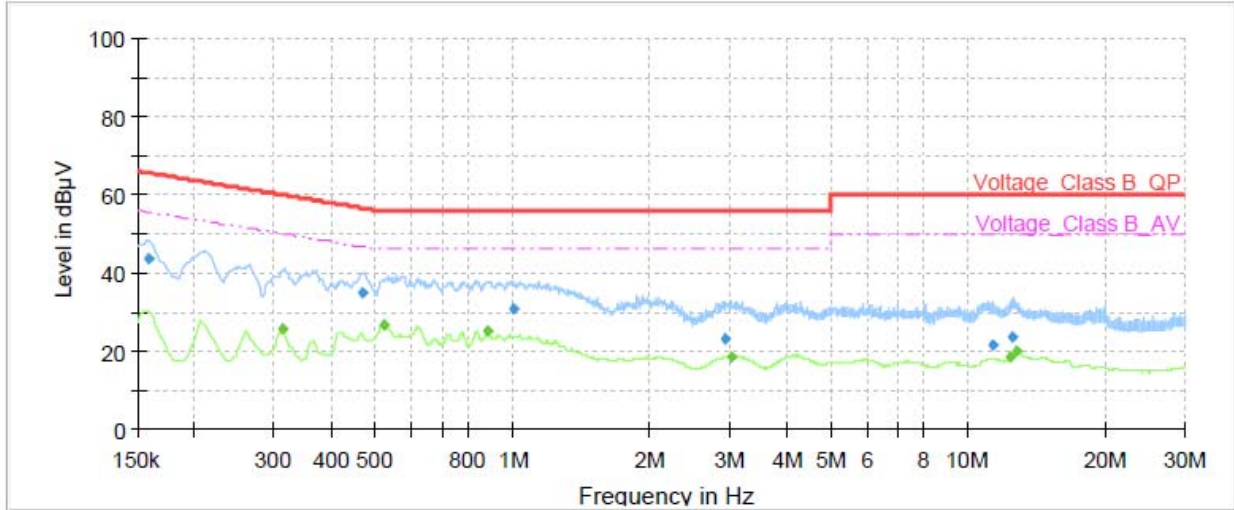
*: Decreases with the logarithm of the frequency.

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:

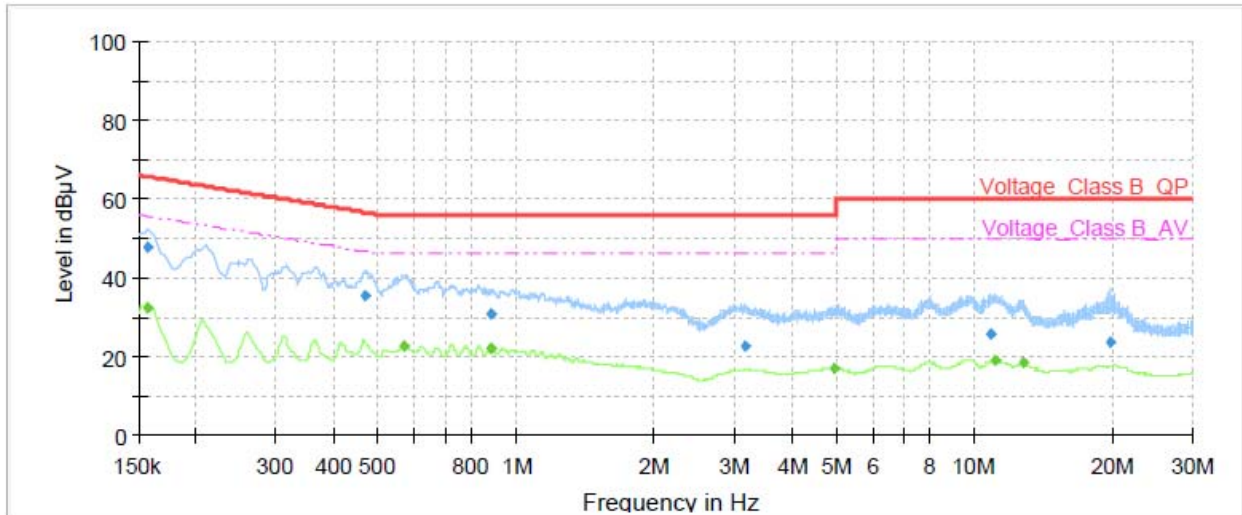
Following plots, Blue trace uses the peak detection and Green trace uses the average detection. During the test, the Conducted Emission was performed in all modes with all channels, 802.11ac (VHT80), Channel 58 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.



Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.16	43.69	---	65.52	21.83	70.0	9.000	L1	ON	21
0.31	---	25.64	49.92	24.28	70.0	9.000	L1	ON	21
0.47	34.78	---	56.56	21.78	70.0	9.000	L1	ON	20
0.52	---	26.82	46.00	19.18	70.0	9.000	L1	ON	20
0.88	---	25.12	46.00	20.88	70.0	9.000	L1	ON	20
1.01	30.85	---	56.00	25.15	70.0	9.000	L1	ON	20
2.93	22.93	---	56.00	33.07	70.0	9.000	L1	ON	19
3.03	---	18.69	46.00	27.31	70.0	9.000	L1	ON	19
11.36	21.51	---	60.00	38.49	70.0	9.000	L1	ON	20
12.40	---	18.62	50.00	31.38	70.0	9.000	L1	ON	20
12.50	23.72	---	60.00	36.28	70.0	9.000	L1	ON	20
12.84	---	20.04	50.00	29.96	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)
0.16	---	32.30	55.63	23.33	70.0	9.000	N	ON	21
0.16	47.53	---	65.63	18.10	70.0	9.000	N	ON	21
0.47	35.19	---	56.52	21.33	70.0	9.000	N	ON	20
0.57	---	22.75	46.00	23.25	70.0	9.000	N	ON	20
0.88	---	22.16	46.00	23.84	70.0	9.000	N	ON	20
0.88	30.90	---	56.00	25.10	70.0	9.000	N	ON	20
3.15	22.36	---	56.00	33.64	70.0	9.000	N	ON	19
4.92	---	16.76	46.00	29.24	70.0	9.000	N	ON	19
10.83	25.88	---	60.00	34.12	70.0	9.000	N	ON	20
11.13	---	18.80	50.00	31.20	70.0	9.000	N	ON	20
12.80	---	18.25	50.00	31.75	70.0	9.000	N	ON	20
19.79	23.74	---	60.00	36.26	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
EMI Test Receiver	R&S	ESCI7	100936	2021-12-12	2022-12-11
Signal Analyzer	R&S	FSV40	100815	2021-05-15	2022-05-14
TRILOG Broadband Antenna	SCHWARZBECK	9163	1023	2021-06-07	2024-06-06
Horn Antenna	R&S	HF907	102723	2021-07-26	2024-07-25
Horn Antenna	ETS-Lindgren	3160-09	00102643	2020-10-10	2023-10-09
Horn Antenna	STEATITE	QSH-SL-26-40-K-15	16779	2019-12-24	2022-12-23
Software	R&S	EMC32	9.26.01	/	/
Artificial main network	R&S	ENV216	101171	2020-12-13	2022-12-12
EMI Test Receiver	R&S	ESR	101667	2021-05-15	2022-05-14
Software	R&S	EMC32	10.35.10	/	/
Spectrum Analyzer	KEYSIGHT	N9020A	MY54420163	2021-12-12	2022-12-11
Wireless Communication Tester	R&S	CMW270	100673	2021-05-15	2022-05-14
Power probe	R&S	NRP18S	101954	2021-05-15	2022-05-14
Climate Chamber	ESPEC	SU-242	93000506	2021-12-12	2022-12-11

*****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.