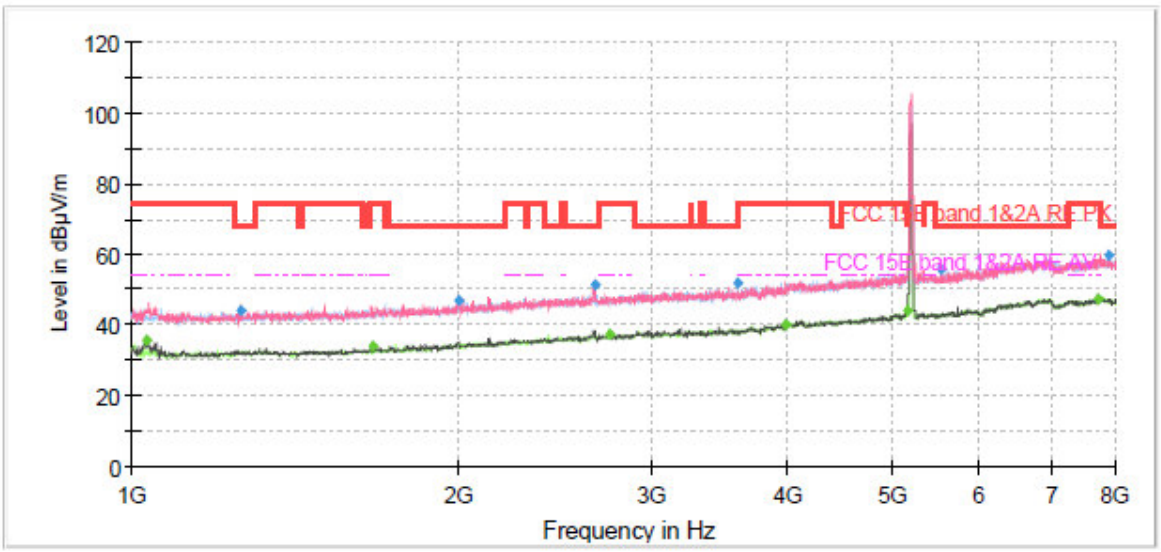
802.11a CH40



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 8GHz

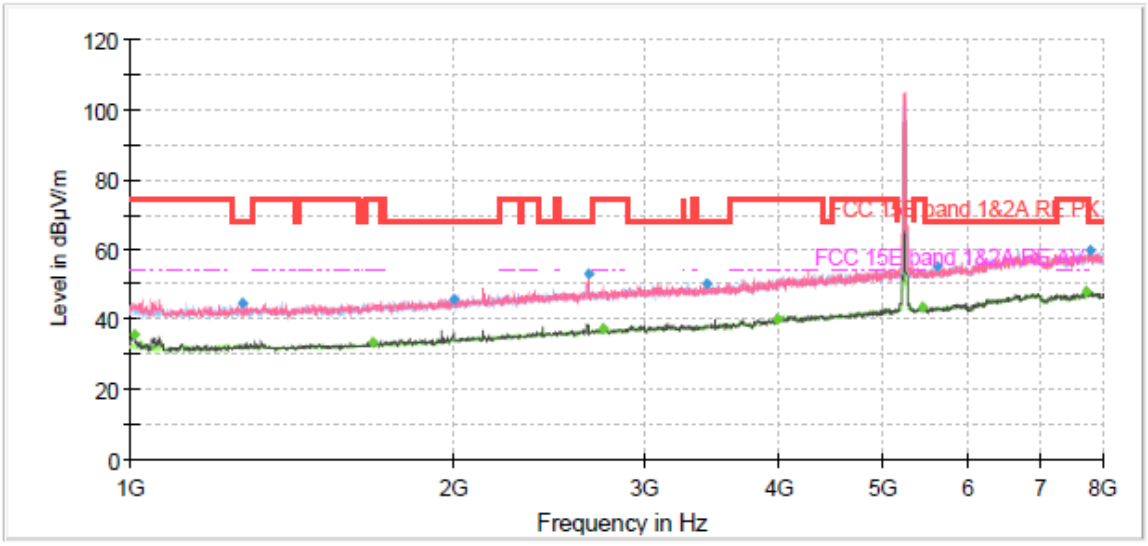
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μV/m)	Average (dB μV/m)	Limit (dB μV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1030.63	---	35.72	54.00	18.28	500.00	200.0	V	210.00	-3
1257.25	43.82	---	68.20	24.38	500.00	200.0	V	75.00	-2
1662.38	---	34.05	54.00	19.95	500.00	100.0	V	0.00	-1
1995.75	46.90	---	68.20	21.30	500.00	200.0	V	12.00	1
2660.75	51.41	---	68.20	16.79	500.00	100.0	V	110.00	4
2742.13	---	37.27	54.00	16.73	500.00	100.0	H	36.00	4
3595.25	51.80	---	68.20	16.40	500.00	200.0	H	1.00	5
3996.00	---	40.34	54.00	13.66	500.00	100.0	H	96.00	6
5149.25	---	43.83	54.00	10.17	500.00	200.0	V	217.00	10
5535.13	55.71	---	68.20	12.49	500.00	200.0	V	224.00	11
7734.00	---	47.62	54.00	6.38	500.00	100.0	H	36.00	17
7896.75	59.72	---	68.20	8.48	500.00	100.0	V	280.00	17

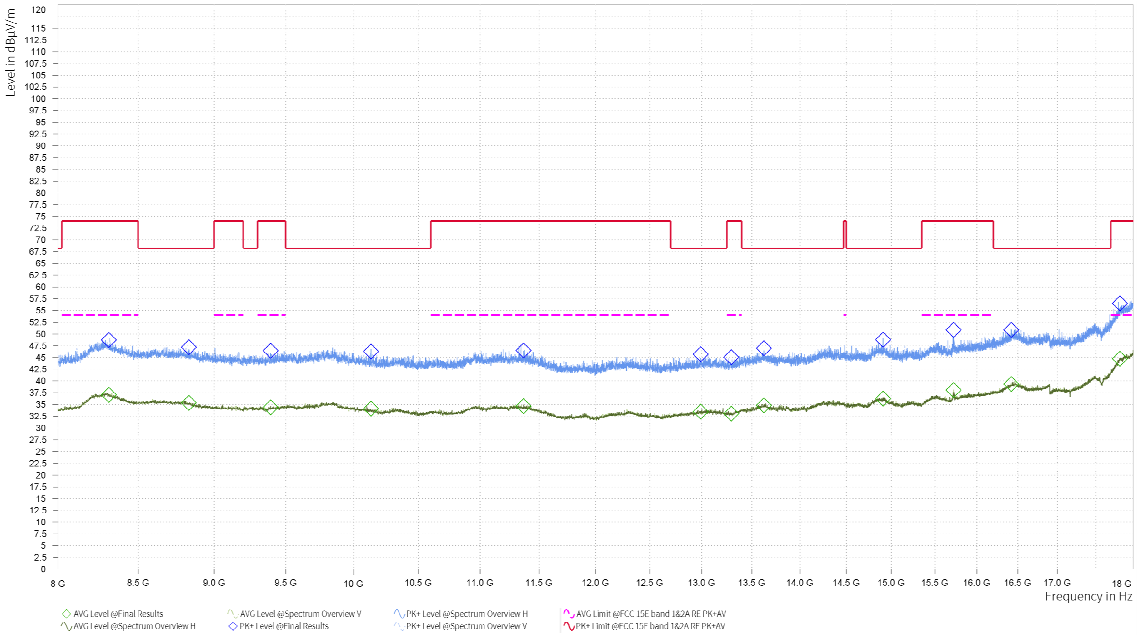
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11a CH48



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

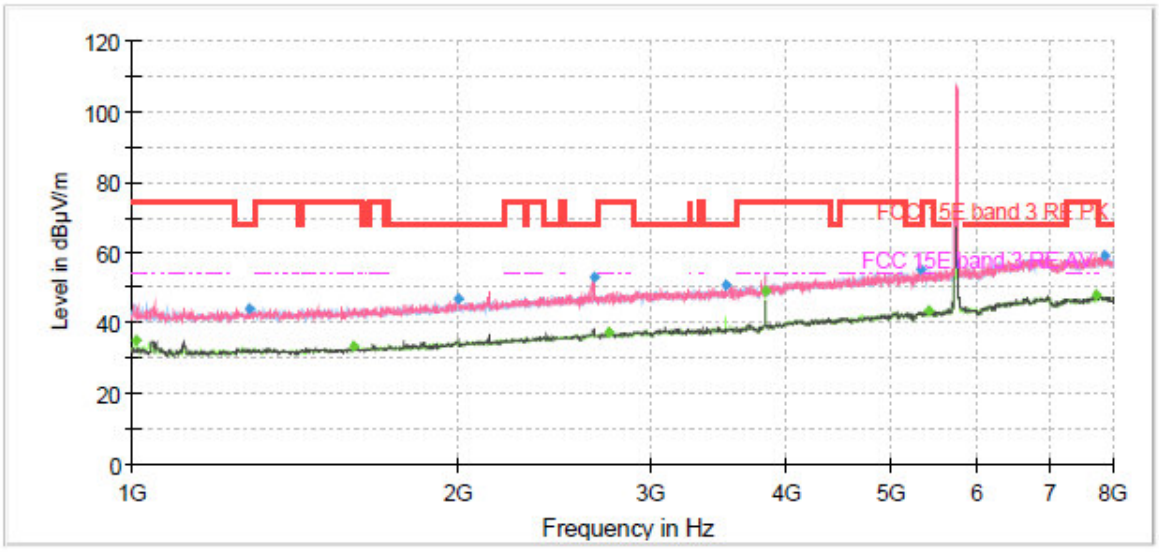


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μV/m)	Average (dB μV/m)	Limit (dB μV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1007.00	---	35.50	54.00	18.50	500.00	200.0	V	218.00	-3
1268.63	44.50	---	68.20	23.70	500.00	200.0	V	247.00	-2
1679.88	---	33.73	54.00	20.27	500.00	100.0	H	4.00	0
1996.63	45.95	---	68.20	22.25	500.00	200.0	V	14.00	1
2665.13	52.94	---	68.20	15.26	500.00	200.0	H	32.00	4
2746.50	---	37.19	54.00	16.81	500.00	100.0	V	291.00	4
3433.38	50.28	---	68.20	17.92	500.00	200.0	V	72.00	5
3996.00	---	40.29	54.00	13.71	500.00	100.0	H	0.00	6
5438.88	---	43.43	54.00	10.57	500.00	200.0	V	185.00	11
5606.00	55.19	---	68.20	13.01	500.00	200.0	H	176.00	11
7730.50	---	47.79	54.00	6.21	500.00	100.0	V	26.00	17
7793.50	59.67	---	68.20	8.53	500.00	100.0	V	244.00	17

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

802.11a CH149



Note: The signal beyond the limit is carrier.

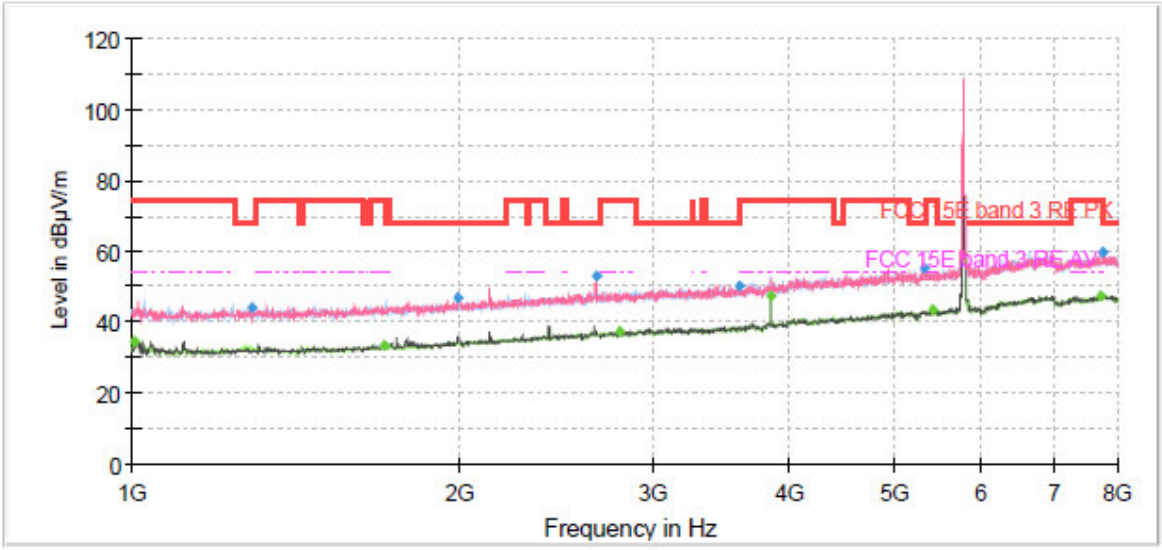
Radiates Emission from 1GHz to 8GHz

Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μV/m)	Average (dB μV/m)	Limit (dB μV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1007.00	---	35.34	54.00	18.66	500.00	200.0	H	261.00	-3
1280.00	44.02	---	68.20	24.18	500.00	200.0	H	46.00	-2
1599.38	---	33.56	54.00	20.44	500.00	100.0	V	359.00	-1
1997.50	46.92	---	68.20	21.28	500.00	200.0	V	355.00	1
2659.88	53.29	---	68.20	14.91	500.00	100.0	V	220.00	4
2749.13	---	37.63	54.00	16.37	500.00	200.0	V	349.00	4
3517.38	50.64	---	68.20	17.56	500.00	200.0	H	124.00	5
3829.75	---	49.04	54.00	4.96	500.00	200.0	H	184.00	6
5332.13	55.41	---	68.20	12.79	500.00	100.0	V	107.00	11
5416.13	---	43.30	54.00	10.70	500.00	200.0	H	252.00	11
7728.75	---	47.88	54.00	6.12	500.00	100.0	V	0.00	17
7854.75	59.10	---	68.20	9.10	500.00	100.0	H	4.00	17

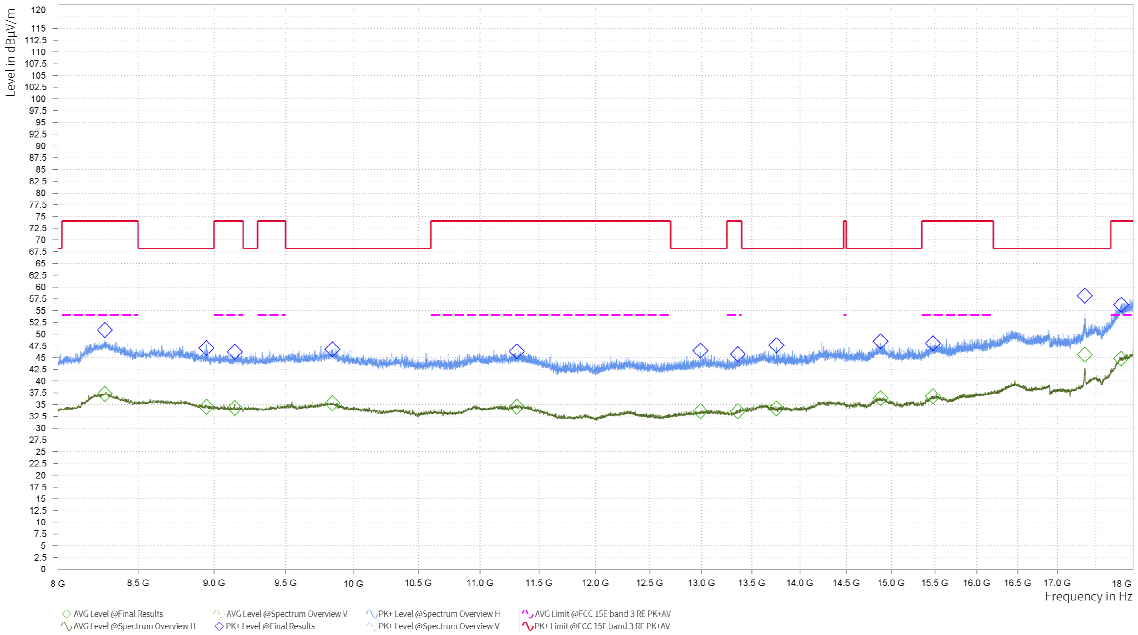
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)
2. Margin = Limit –MAX Peak/ Average

802.11a CH157



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 8GHz

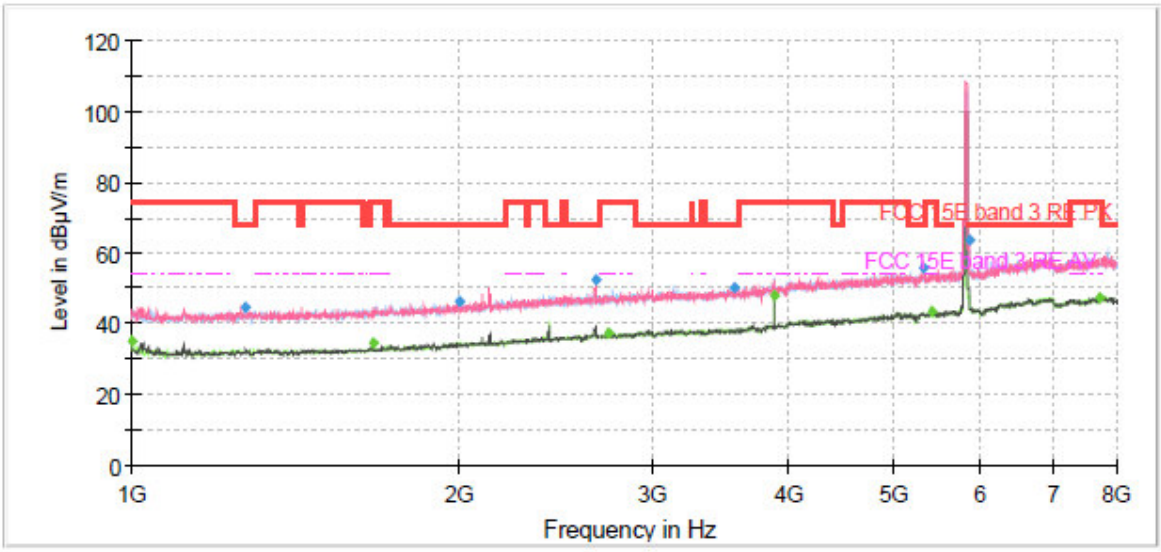


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μV/m)	Average (dB μV/m)	Limit (dB μV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1003.50	---	34.76	54.00	19.24	500.00	200.0	H	261.00	-3
1287.88	44.11	---	68.20	24.09	500.00	100.0	H	234.00	-2
1700.88	---	33.70	54.00	20.30	500.00	200.0	V	144.00	0
1992.25	46.85	---	68.20	21.35	500.00	200.0	V	2.00	1
2665.13	52.89	---	68.20	15.31	500.00	100.0	V	40.00	4
2798.13	---	37.26	54.00	16.74	500.00	200.0	H	303.00	4
3594.38	50.37	---	68.20	17.83	500.00	100.0	V	230.00	5
3856.88	---	47.61	54.00	6.39	500.00	100.0	V	255.00	6
5316.38	55.14	---	68.20	13.06	500.00	100.0	V	49.00	11
5417.88	---	43.43	54.00	10.57	500.00	100.0	V	170.00	11
7727.88	---	47.55	54.00	6.45	500.00	200.0	V	162.00	17
7762.88	59.75	---	68.20	8.45	500.00	100.0	H	15.00	17

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

802.11a CH165



Note: The signal beyond the limit is carrier.

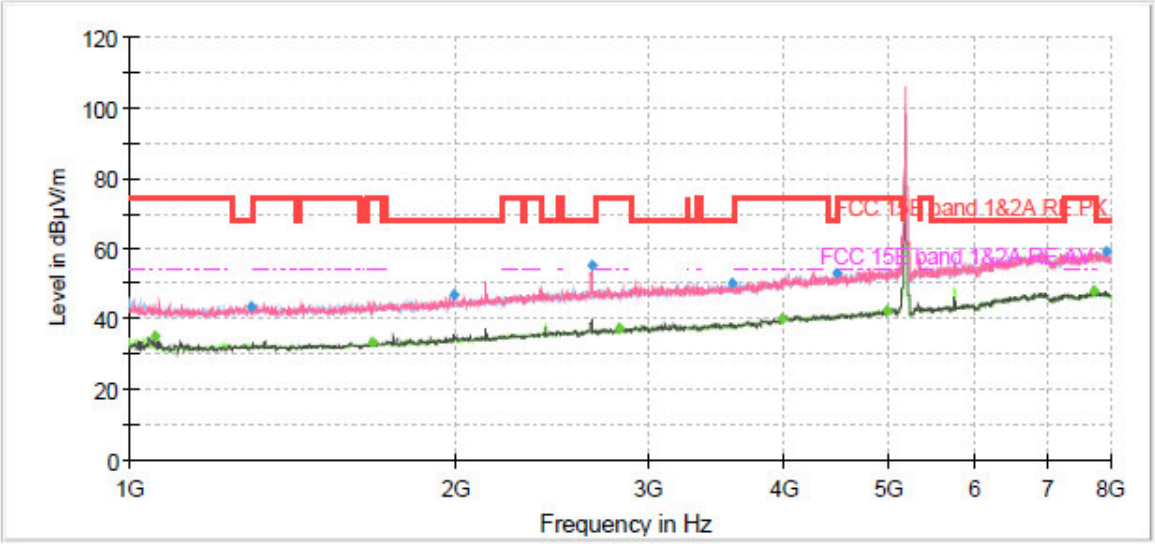
Radiates Emission from 1GHz to 8GHz

Radiates Emission from 8GHz to 18GHz

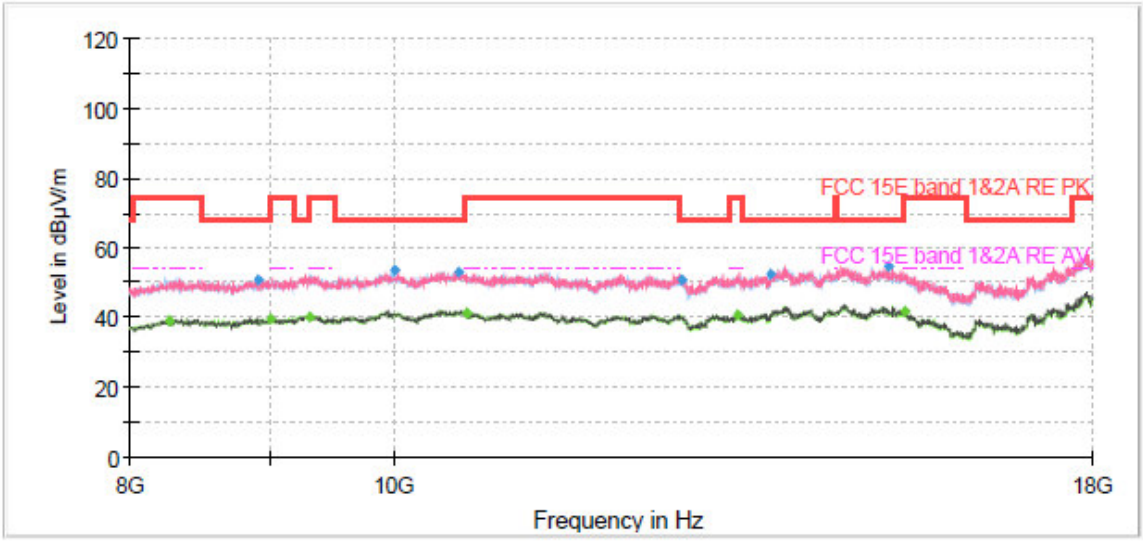
Frequency (MHz)	MaxPeak (dB μV/m)	Average (dB μV/m)	Limit (dB μV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1000.88	---	35.09	54.00	18.91	500.00	200.0	V	226.00	-3
1270.38	44.52	---	68.20	23.68	500.00	200.0	H	266.00	-2
1664.13	---	34.77	54.00	19.23	500.00	100.0	V	1.00	-1
1994.88	46.58	---	68.20	21.62	500.00	100.0	V	249.00	1
2666.88	52.47	---	68.20	15.73	500.00	200.0	V	236.00	4
2732.50	---	37.38	54.00	16.62	500.00	100.0	V	179.00	4
3566.38	50.47	---	68.20	17.73	500.00	100.0	V	358.00	5
3883.13	---	48.04	54.00	5.96	500.00	200.0	H	197.00	6
5313.75	55.84	---	68.20	12.36	500.00	100.0	V	110.00	11
5409.13	---	43.31	54.00	10.69	500.00	200.0	H	356.00	11
5852.75	63.59	---	68.20	4.61	500.00	200.0	V	279.00	11
7729.63	---	47.48	54.00	6.52	500.00	100.0	H	52.00	17

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

802.11n (HT20) CH36



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

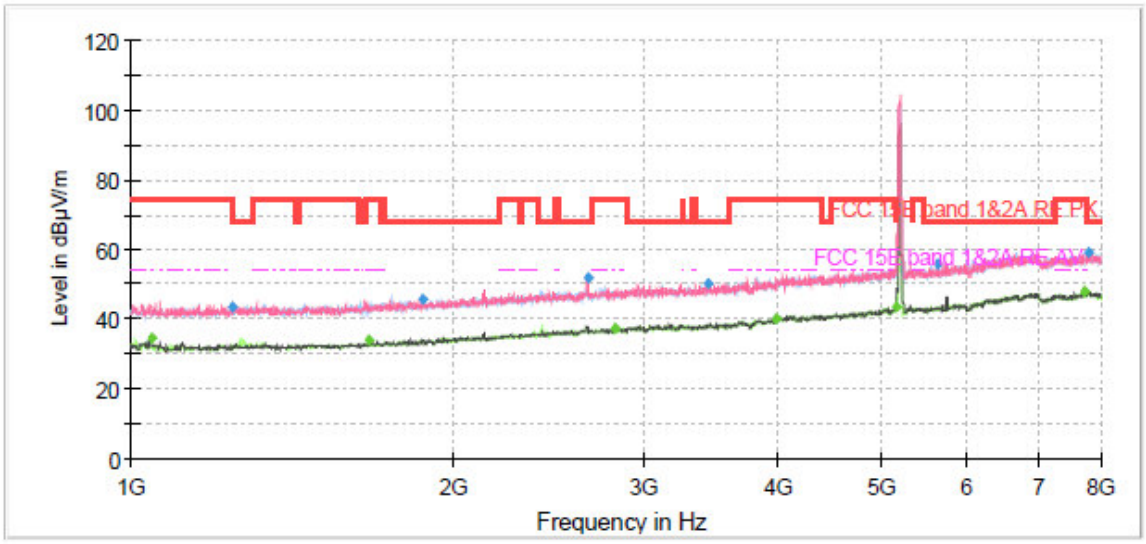


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μV/m)	Average (dB μV/m)	Limit (dB μV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1053.38	---	34.90	54.00	19.10	500.00	200.0	V	197.00	-3
1295.75	43.77	---	68.20	24.43	500.00	100.0	V	170.00	-2
1674.63	---	33.70	54.00	20.30	500.00	200.0	V	8.00	-1
1991.38	46.64	---	68.20	21.56	500.00	100.0	V	8.00	1
2660.75	55.13	---	68.20	13.07	500.00	100.0	V	54.00	4
2827.88	---	37.60	54.00	16.40	500.00	200.0	H	203.00	4
3592.63	50.33	---	68.20	17.87	500.00	100.0	V	120.00	5
3996.88	---	40.42	54.00	13.58	500.00	100.0	H	2.00	6
4482.50	53.14	---	68.20	15.06	500.00	100.0	V	88.00	7
4980.38	---	42.41	54.00	11.59	500.00	200.0	V	74.00	9
7731.38	---	47.86	54.00	6.14	500.00	100.0	V	60.00	17
7921.25	58.99	---	68.20	9.21	500.00	200.0	V	224.00	17

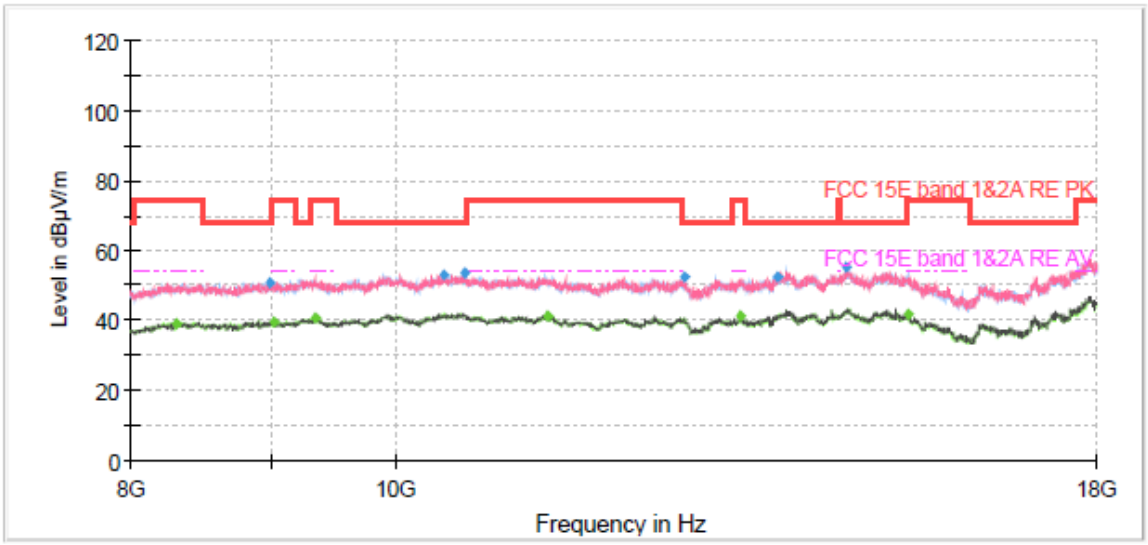
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)
2. Margin = Limit –MAX Peak/ Average

802.11n (HT20) CH40



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 8GHz

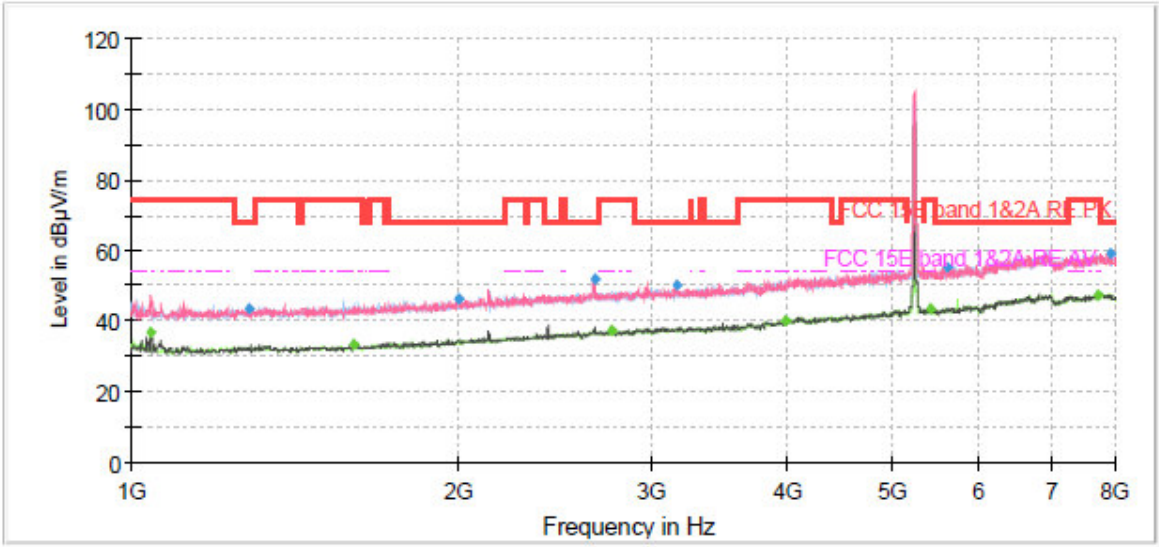


Radiates Emission from 8GHz to 18GHz

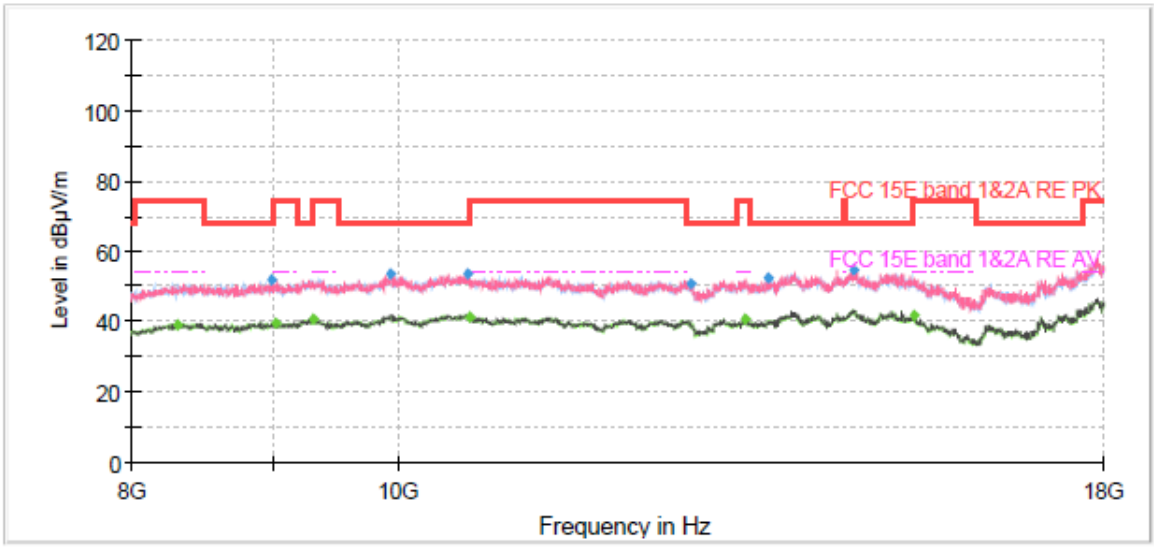
Frequency (MHz)	MaxPeak (dB μV/m)	Average (dB μV/m)	Limit (dB μV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1043.75	---	34.68	54.00	19.32	500.00	200.0	V	206.00	-3
1240.63	43.56	---	68.20	24.64	500.00	200.0	V	84.00	-2
1665.88	---	34.03	54.00	19.97	500.00	200.0	V	1.00	-1
1864.50	45.78	---	68.20	22.42	500.00	200.0	H	252.00	0
2659.00	51.73	---	68.20	16.47	500.00	200.0	V	260.00	4
2827.88	---	37.26	54.00	16.74	500.00	200.0	V	3.00	4
3445.63	50.42	---	68.20	17.78	500.00	200.0	V	124.00	5
3995.13	---	40.26	54.00	13.74	500.00	100.0	H	0.00	6
5149.25	---	43.39	54.00	10.61	500.00	200.0	V	219.00	10
5632.25	55.57	---	68.20	12.63	500.00	200.0	H	252.00	11
7727.88	---	47.73	54.00	6.28	500.00	200.0	H	0.00	17
7782.13	59.30	---	68.20	8.90	500.00	200.0	H	292.00	17

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

802.11n (HT20) CH48



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

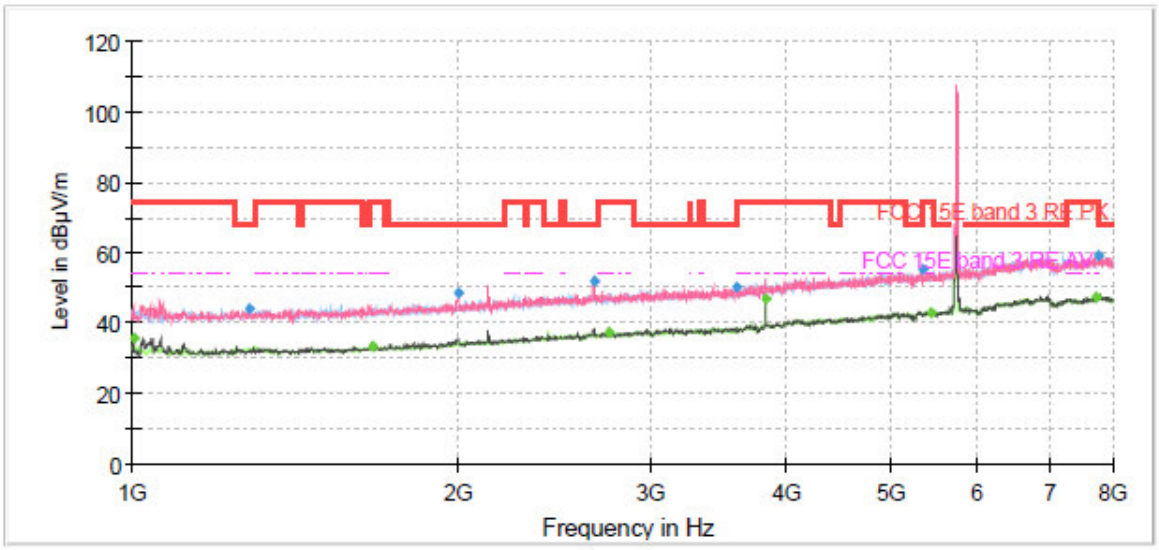


Radiates Emission from 8GHz to 18GHz

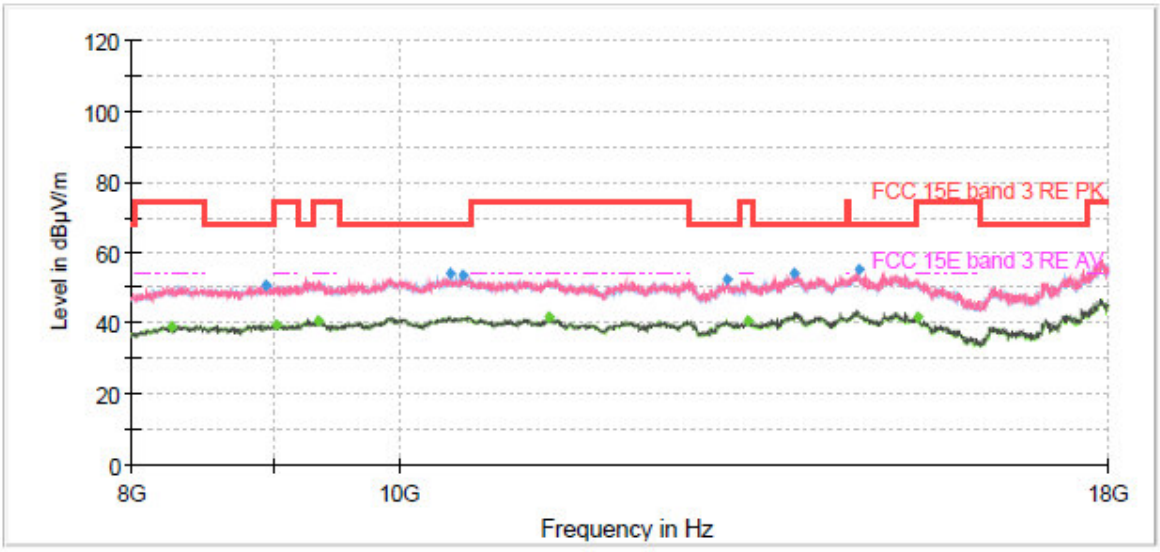
Frequency (MHz)	MaxPeak (dB µV/m)	Average (dB µV/m)	Limit (dB µV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1039.38	---	36.86	54.00	17.14	500.00	200.0	V	213.00	-3
1281.75	43.81	---	68.20	24.39	500.00	100.0	V	357.00	-2
1599.38	---	33.47	54.00	20.53	500.00	100.0	V	355.00	-1
1995.75	46.55	---	68.20	21.65	500.00	200.0	V	0.00	1
2662.50	52.06	---	68.20	16.14	500.00	100.0	V	87.00	4
2762.25	---	37.22	54.00	16.78	500.00	100.0	H	359.00	4
3160.38	50.14	---	68.20	18.06	500.00	100.0	V	228.00	5
3995.13	---	40.12	54.00	13.88	500.00	200.0	V	159.00	6
5427.50	---	43.39	54.00	10.61	500.00	200.0	H	353.00	11
5600.75	55.40	---	68.20	12.80	500.00	100.0	V	288.00	11
7734.88	---	47.65	54.00	6.35	500.00	200.0	V	0.00	17
7927.38	59.42	---	68.20	8.78	500.00	200.0	V	2.00	17

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

802.11n (HT20) CH149



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

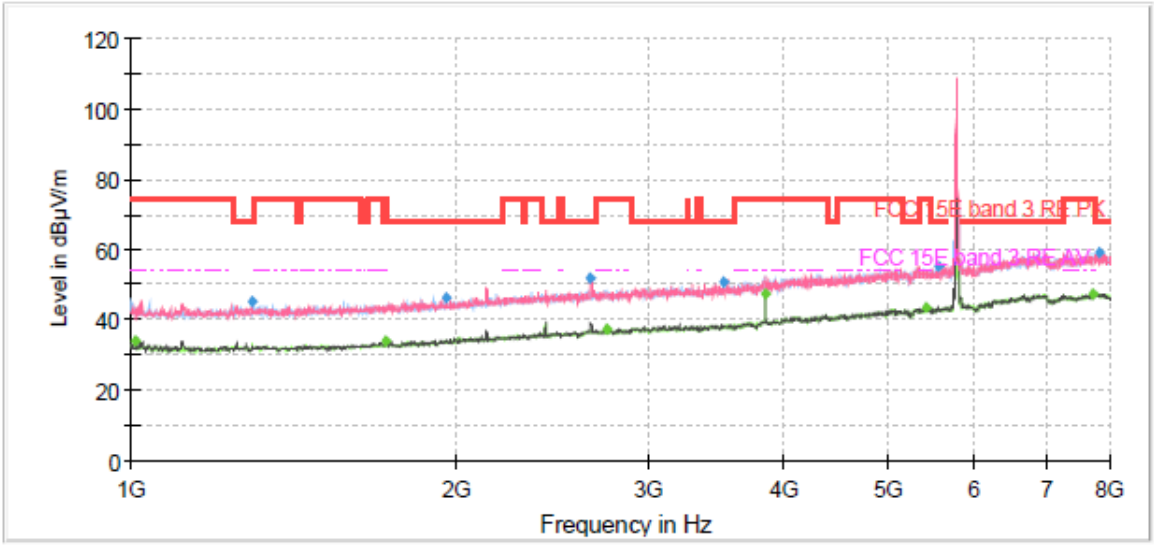


Radiates Emission from 8GHz to 18GHz

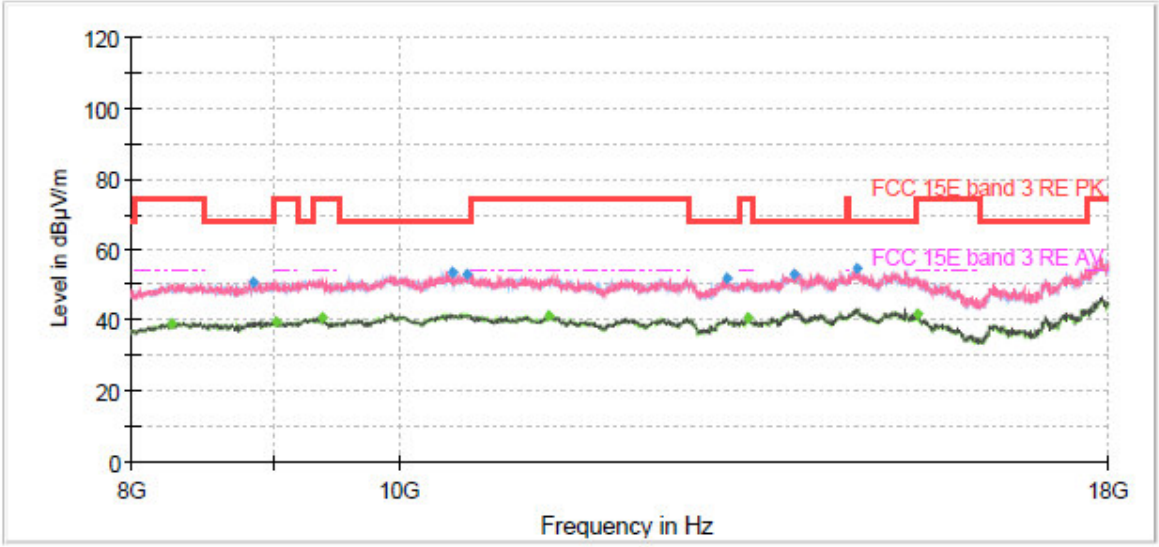
Frequency (MHz)	MaxPeak (dB μV/m)	Average (dB μV/m)	Limit (dB μV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1002.63	---	35.84	54.00	18.16	500.00	200.0	V	228.00	-3
1280.88	44.01	---	68.20	24.19	500.00	100.0	H	234.00	-2
1663.25	---	33.67	54.00	20.33	500.00	200.0	V	2.00	-1
1994.00	48.29	---	68.20	19.91	500.00	200.0	V	0.00	1
2666.00	51.88	---	68.20	16.32	500.00	100.0	V	220.00	4
2745.63	---	37.32	54.00	16.68	500.00	200.0	V	228.00	4
3595.25	50.19	---	68.20	18.01	500.00	200.0	V	2.00	5
3829.75	---	47.02	54.00	6.98	500.00	200.0	H	185.00	6
5333.88	55.00	---	68.20	13.20	500.00	200.0	H	73.00	11
5441.50	---	43.20	54.00	10.80	500.00	100.0	V	358.00	11
7732.25	---	47.42	54.00	6.58	500.00	200.0	V	95.00	17
7766.38	58.98	---	68.20	9.22	500.00	200.0	V	5.00	17

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

802.11n (HT20) CH157



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

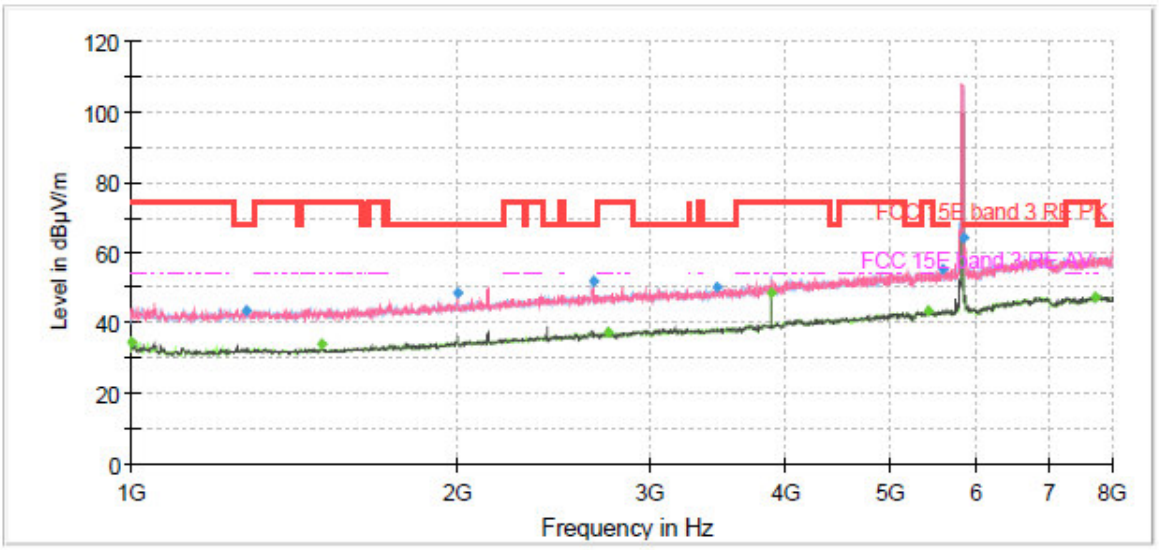


Radiates Emission from 8GHz to 18GHz

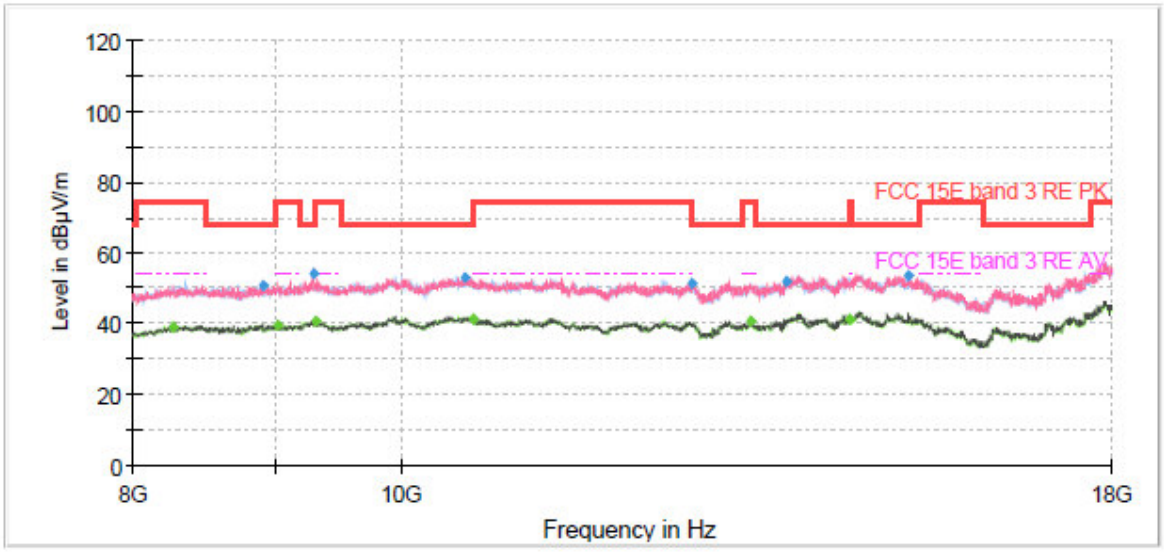
Frequency (MHz)	MaxPeak (dB μV/m)	Average (dB μV/m)	Limit (dB μV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1007.00	---	34.26	54.00	19.74	500.00	200.0	H	46.00	-3
1294.00	45.05	---	68.20	23.15	500.00	100.0	H	236.00	-2
1721.00	---	34.13	54.00	19.87	500.00	100.0	V	347.00	0
1956.38	46.23	---	68.20	21.97	500.00	100.0	V	221.00	1
2656.38	51.86	---	68.20	16.34	500.00	200.0	V	59.00	4
2743.00	---	37.25	54.00	16.75	500.00	200.0	H	0.00	4
3519.13	50.70	---	68.20	17.50	500.00	100.0	V	187.00	5
3856.88	---	47.19	54.00	6.81	500.00	200.0	H	185.00	6
5417.88	---	43.52	54.00	10.48	500.00	200.0	H	81.00	11
5569.25	55.04	---	68.20	13.16	500.00	200.0	V	170.00	11
7732.25	---	47.58	54.00	6.42	500.00	100.0	H	3.00	17
7826.75	59.01	---	68.20	9.19	500.00	100.0	V	99.00	17

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

802.11n (HT20) CH165



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

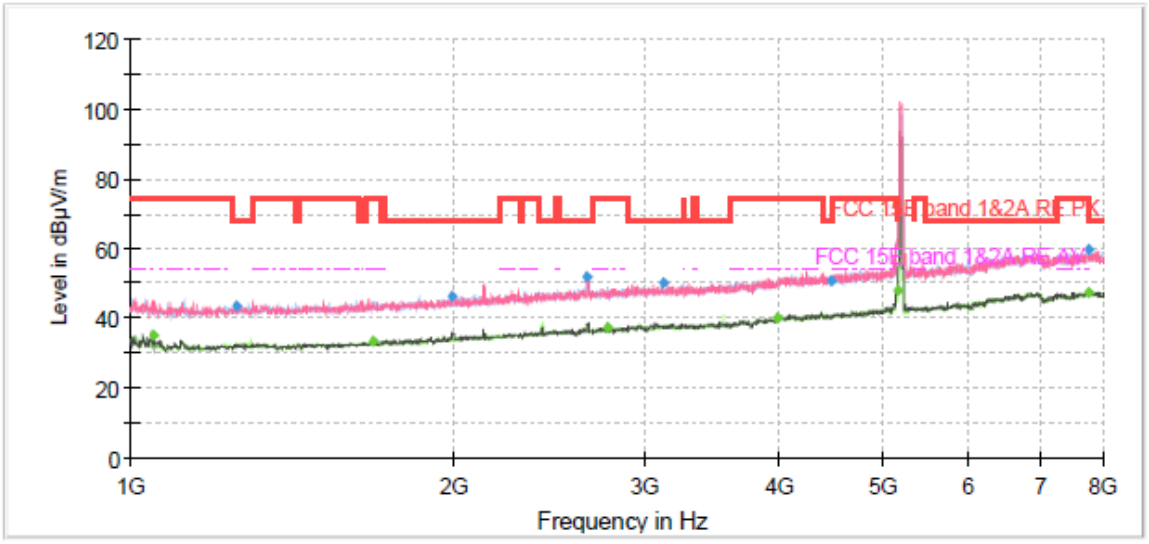


Radiates Emission from 8GHz to 18GHz

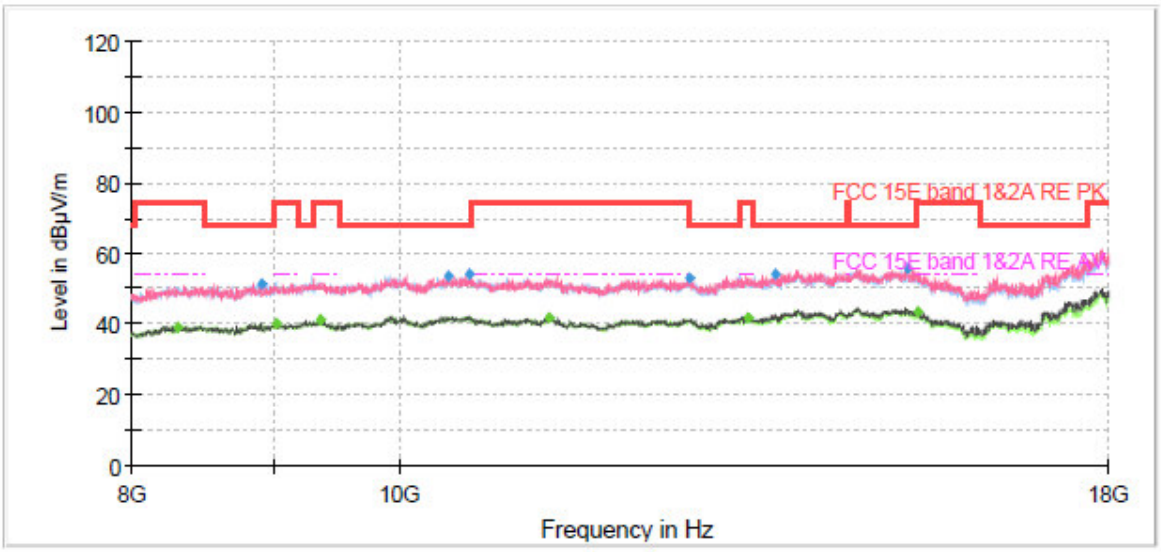
Frequency (MHz)	MaxPeak (dB μV/m)	Average (dB μV/m)	Limit (dB μV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1000.00	---	34.55	54.00	19.45	500.00	200.0	V	225.00	-3
1277.38	43.69	---	68.20	24.51	500.00	200.0	V	269.00	-2
1496.13	---	33.82	54.00	20.18	500.00	100.0	V	2.00	-1
1997.50	48.37	---	68.20	19.83	500.00	200.0	V	0.00	1
2662.50	52.12	---	68.20	16.08	500.00	100.0	H	61.00	4
2744.75	---	37.47	54.00	16.53	500.00	200.0	V	173.00	4
3457.00	50.41	---	68.20	17.79	500.00	200.0	H	358.00	5
3883.13	---	48.77	54.00	5.23	500.00	100.0	V	254.00	6
5417.00	---	43.27	54.00	10.73	500.00	100.0	H	6.00	11
5577.13	55.47	---	68.20	12.73	500.00	200.0	V	138.00	11
5850.13	64.33	---	68.20	3.87	500.00	200.0	V	277.00	11
7732.25	---	47.59	54.00	6.41	500.00	100.0	V	0.00	17

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

802.11n (HT40) CH38



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

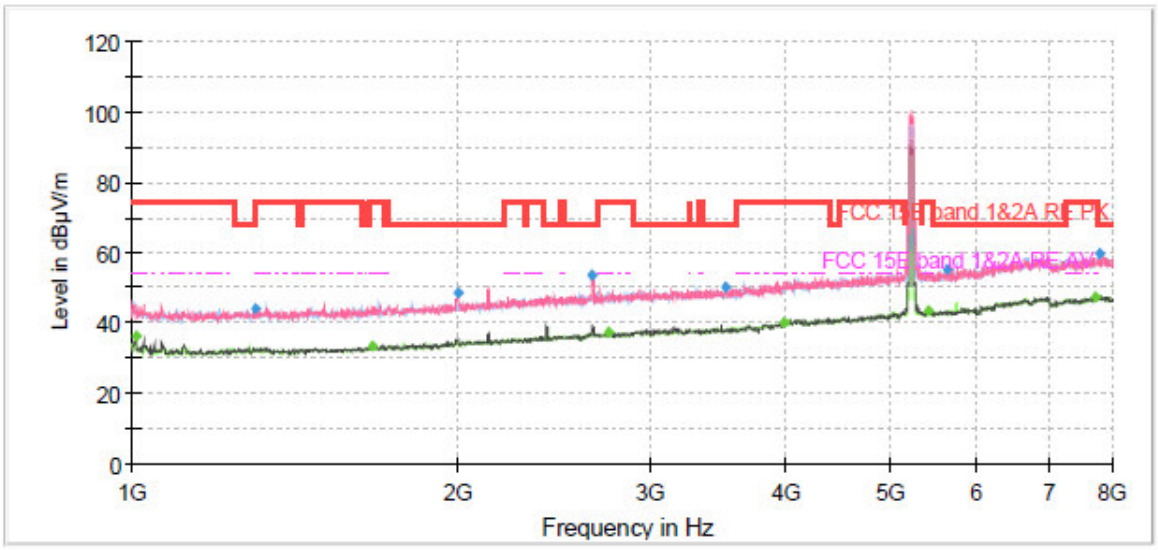


Radiates Emission from 8GHz to 18GHz

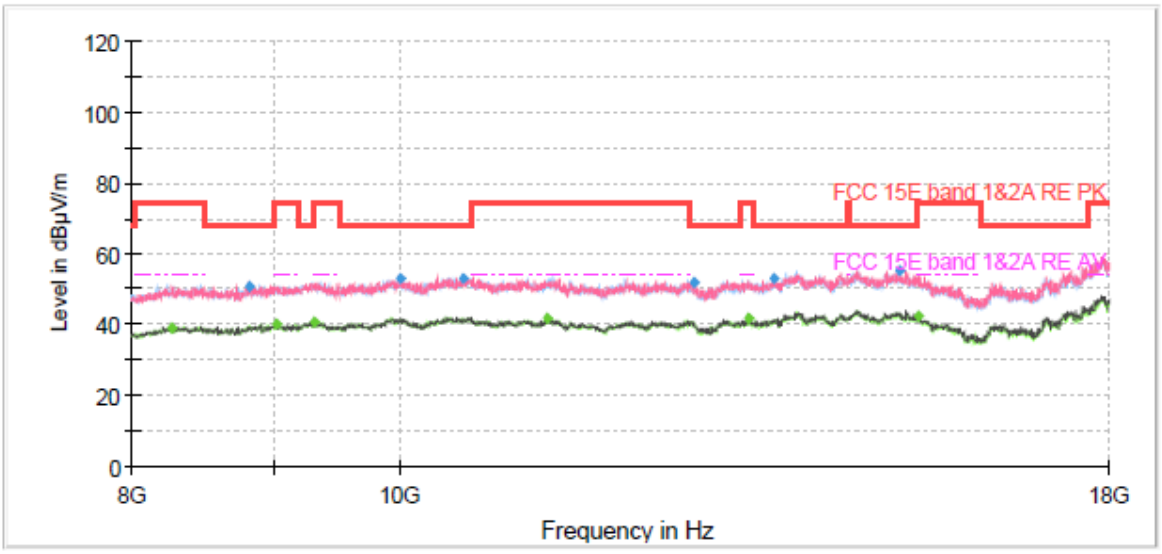
Frequency (MHz)	MaxPeak (dB μV/m)	Average (dB μV/m)	Limit (dB μV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1051.63	---	35.38	54.00	18.62	500.00	200.0	V	205.00	-3
1253.75	43.58	---	68.20	24.62	500.00	200.0	V	3.00	-2
1678.13	---	33.43	54.00	20.57	500.00	200.0	V	2.00	0
1991.38	46.56	---	68.20	21.64	500.00	200.0	V	17.00	1
2658.13	51.84	---	68.20	16.36	500.00	200.0	V	279.00	4
2767.50	---	37.22	54.00	16.78	500.00	100.0	H	42.00	4
3119.25	50.09	---	68.20	18.11	500.00	100.0	H	4.00	5
3996.00	---	40.09	54.00	13.91	500.00	200.0	V	107.00	6
4473.75	50.94	---	68.20	17.26	500.00	200.0	H	198.00	7
5148.38	---	47.97	54.00	6.03	500.00	100.0	V	257.00	10
7739.25	---	47.58	54.00	6.43	500.00	100.0	V	264.00	17
7757.63	59.55	---	68.20	8.65	500.00	100.0	H	151.00	17

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

802.11n (HT40) CH46



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

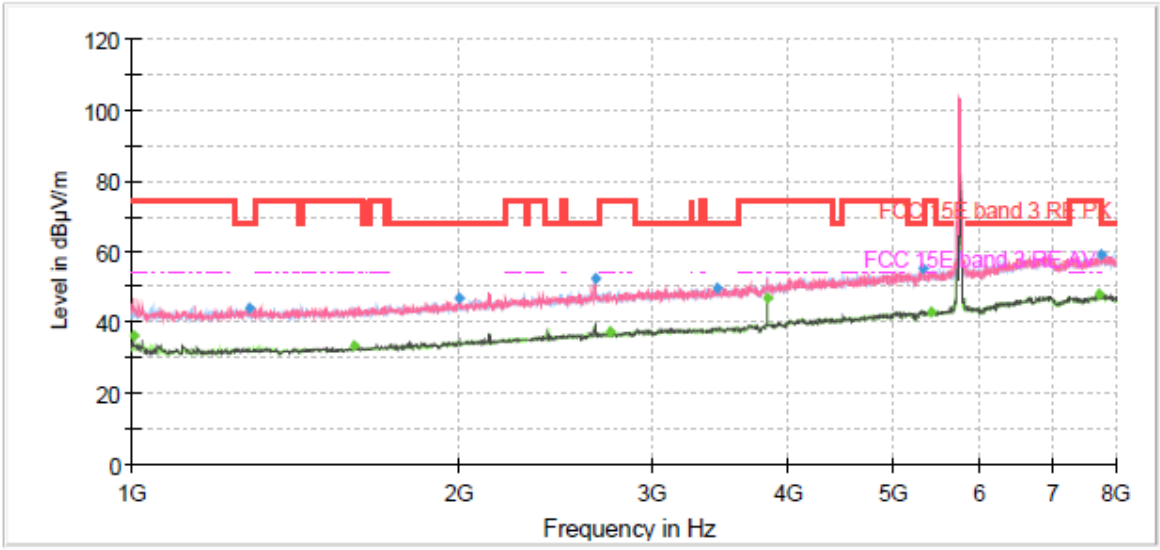


Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μV/m)	Average (dB μV/m)	Limit (dB μV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1007.00	---	36.08	54.00	17.92	500.00	200.0	H	261.00	-3
1296.63	44.03	---	68.20	24.17	500.00	200.0	V	239.00	-2
1668.50	---	33.59	54.00	20.41	500.00	100.0	V	356.00	-1
1998.38	48.49	---	68.20	19.71	500.00	200.0	V	0.00	1
2655.50	53.47	---	68.20	14.73	500.00	200.0	V	232.00	4
2747.38	---	37.38	54.00	16.62	500.00	100.0	V	0.00	4
3522.63	50.12	---	68.20	18.08	500.00	100.0	H	355.00	5
3995.13	---	40.34	54.00	13.66	500.00	200.0	V	122.00	6
5408.25	---	43.56	54.00	10.44	500.00	200.0	H	275.00	11
5625.25	55.05	---	68.20	13.15	500.00	200.0	H	309.00	11
7731.38	---	47.68	54.00	6.32	500.00	100.0	V	359.00	17
7782.13	59.79	---	68.20	8.41	500.00	100.0	H	293.00	17

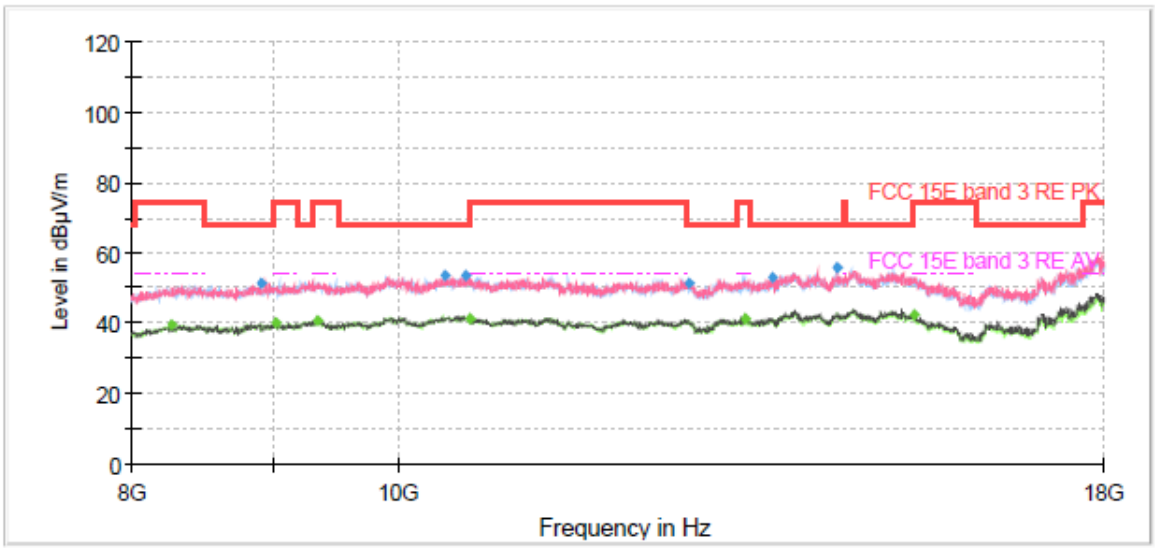
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)
2. Margin = Limit –MAX Peak/ Average

802.11n (HT40) CH151



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 8GHz



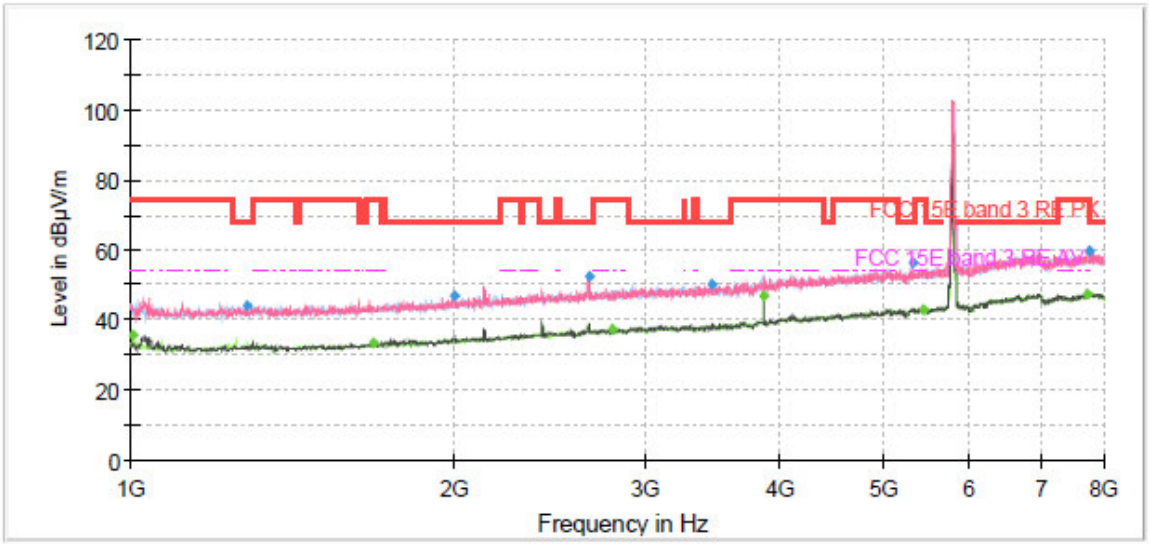
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μV/m)	Average (dB μV/m)	Limit (dB μV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1004.38	---	36.46	54.00	17.54	500.00	200.0	V	212.00	-3
1281.75	44.08	---	68.20	24.12	500.00	200.0	V	17.00	-2
1600.25	---	33.65	54.00	20.35	500.00	200.0	H	0.00	-1
1995.75	46.95	---	68.20	21.25	500.00	200.0	V	30.00	1
2663.38	52.62	---	68.20	15.58	500.00	200.0	H	37.00	4
2744.75	---	37.13	54.00	16.87	500.00	100.0	H	271.00	4
3443.88	49.83	---	68.20	18.37	500.00	100.0	H	129.00	5
3836.75	---	47.12	54.00	6.88	500.00	200.0	H	187.00	6
5317.25	55.39	---	68.20	12.81	500.00	200.0	V	64.00	11
5410.00	---	43.23	54.00	10.77	500.00	100.0	V	319.00	11
7734.88	---	48.03	54.00	5.97	500.00	100.0	V	74.00	17
7763.75	59.13	---	68.20	9.08	500.00	100.0	H	2.00	17

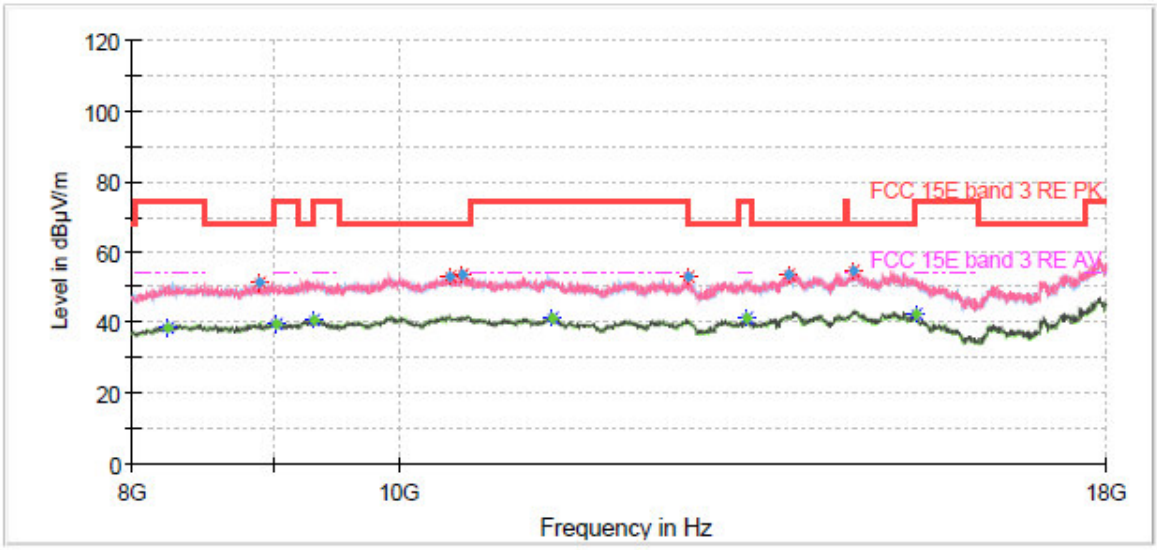
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT40) CH159



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

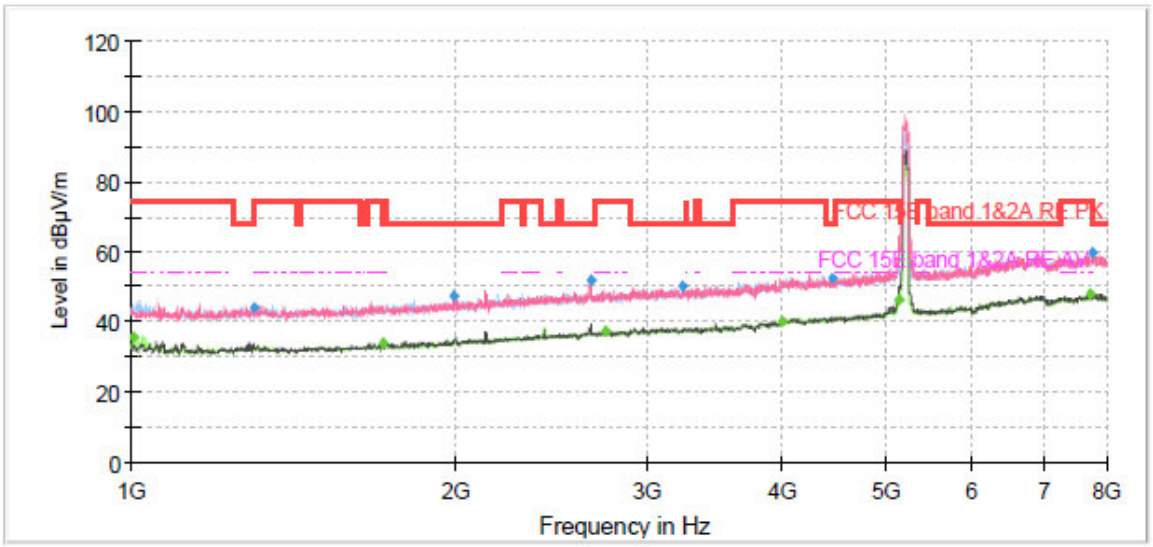


Radiates Emission from 8GHz to 18GHz

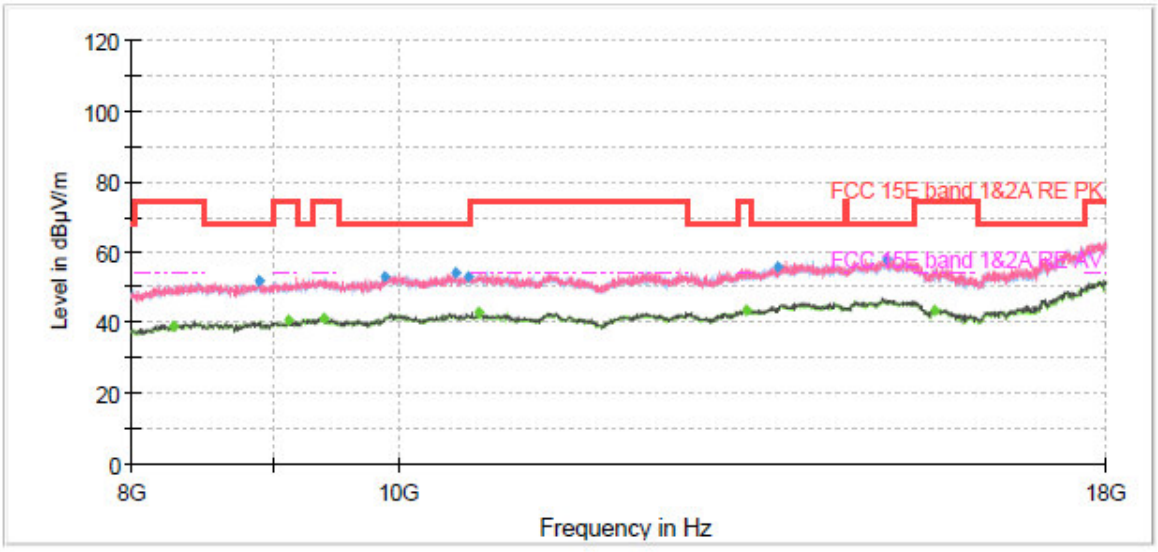
Frequency (MHz)	MaxPeak (dB μV/m)	Average (dB μV/m)	Limit (dB μV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1003.50	---	35.55	54.00	18.45	500.00	100.0	H	212.00	-3
1280.00	43.85	---	68.20	24.35	500.00	200.0	V	134.00	-2
1678.13	---	33.67	54.00	20.33	500.00	200.0	V	185.00	0
1995.75	46.66	---	68.20	21.54	500.00	100.0	V	231.00	1
2659.00	52.74	---	68.20	15.46	500.00	100.0	V	30.00	4
2803.38	---	37.24	54.00	16.76	500.00	200.0	V	202.00	4
3453.50	50.00	---	68.20	18.20	500.00	100.0	V	0.00	5
3863.00	---	46.90	54.00	7.10	500.00	200.0	H	186.00	6
5311.13	56.52	---	68.20	11.68	500.00	200.0	V	125.00	11
5435.38	---	43.13	54.00	10.87	500.00	200.0	H	339.00	11
7727.88	---	47.53	54.00	6.47	500.00	100.0	V	292.00	17
7767.25	59.73	---	68.20	8.47	500.00	100.0	V	265.00	17

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

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)	MaxPeak (dB μV/m)	Average (dB μV/m)	Limit (dB μV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1003.50	---	35.67	54.00	18.33	500.00	100.0	H	210.00	-3
1297.50	44.23	---	68.20	23.97	500.00	200.0	H	294.00	-2
1707.00	---	33.80	54.00	20.20	500.00	200.0	V	164.00	0
1992.25	47.29	---	68.20	20.91	500.00	100.0	V	32.00	1
2663.38	51.87	---	68.20	16.33	500.00	200.0	V	239.00	4
2747.38	---	37.53	54.00	16.47	500.00	100.0	H	52.00	4
3244.38	50.06	---	68.20	18.14	500.00	200.0	V	151.00	5
3999.50	---	40.31	54.00	13.69	500.00	200.0	H	288.00	6
4447.50	52.43	---	68.20	15.77	500.00	100.0	H	135.00	7
5127.38	---	46.50	54.00	7.50	500.00	200.0	H	254.00	10
7734.00	---	47.94	54.00	6.06	500.00	100.0	V	247.00	17
7753.25	59.49	---	68.20	8.71	500.00	200.0	V	232.00	17

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

5.6. Conducted Emission

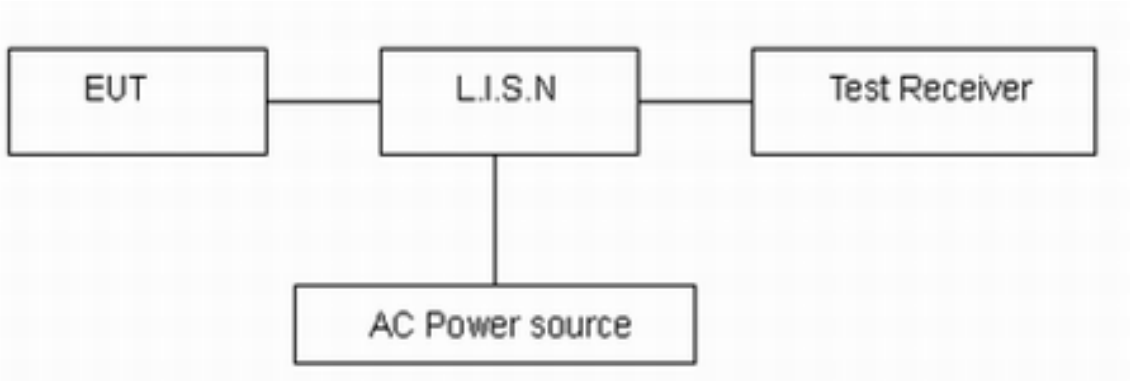
Ambient condition

Temperature	Relative humidity	Pressure
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

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 120V/60Hz.

Limits

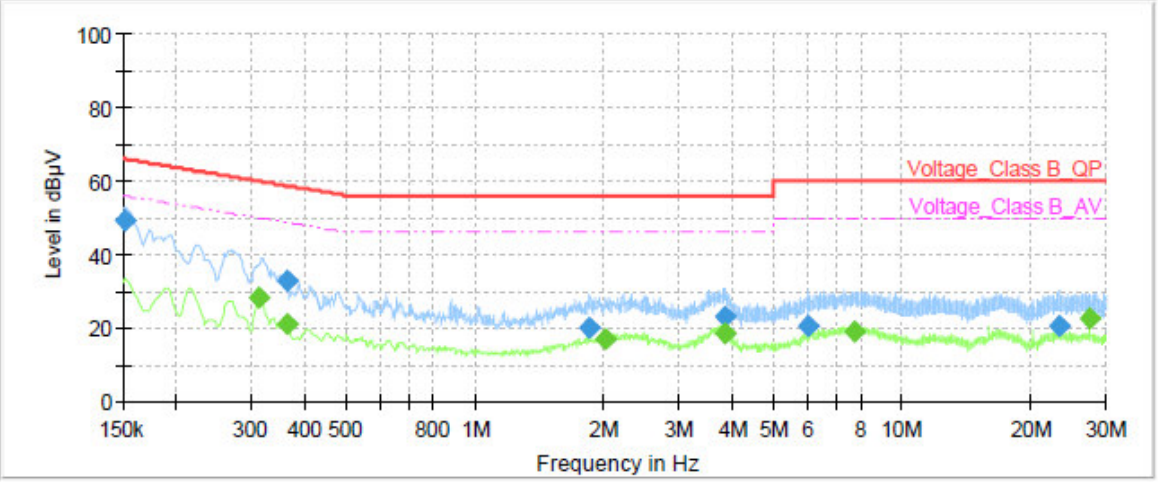
Frequency (MHz)	Conducted Limits(dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56 *	56 to 46*
0.5 - 5	56	46
5 - 30	60	50
*: Decreases with the logarithm of the frequency.		

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:

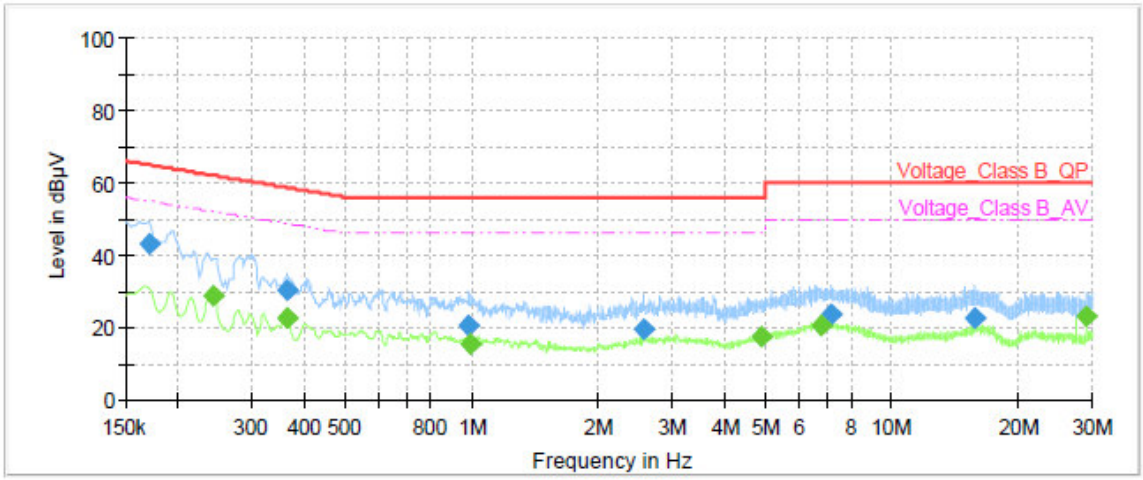
Following plots, Blue trace uses the peak detection and Green trace uses the average detection. During the test, the Conducted Emission was performed in all modes with all channels, 802.11n HT20, Channel 165 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.



Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.15	49.30	---	65.88	16.58	1000.0	9.000	L1	ON	21.0
0.31	---	28.17	49.92	21.75	1000.0	9.000	L1	ON	21.0
0.36	33.03	---	58.64	25.61	1000.0	9.000	L1	ON	21.0
0.36	---	21.17	48.64	27.47	1000.0	9.000	L1	ON	21.0
1.86	20.15	---	56.00	35.85	1000.0	9.000	L1	ON	19.8
2.02	---	17.02	46.00	28.98	1000.0	9.000	L1	ON	19.7
3.86	22.97	---	56.00	33.03	1000.0	9.000	L1	ON	19.5
3.86	---	18.23	46.00	27.77	1000.0	9.000	L1	ON	19.5
6.05	20.35	---	60.00	39.65	1000.0	9.000	L1	ON	19.5
7.73	---	19.16	50.00	30.84	1000.0	9.000	L1	ON	19.5
23.24	20.27	---	60.00	39.73	1000.0	9.000	L1	ON	19.7
27.55	---	22.79	50.00	27.21	1000.0	9.000	L1	ON	19.7

Remark: Correct factor=cable loss + LISN factor

L line Conducted Emission from 150 kHz to 30 MHz



Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.17	43.09	---	64.95	21.86	1000.0	9.000	N	ON	21.0
0.24	---	28.67	52.02	23.35	1000.0	9.000	N	ON	21.1
0.36	---	22.38	48.64	26.26	1000.0	9.000	N	ON	21.0
0.36	30.04	---	58.64	28.60	1000.0	9.000	N	ON	21.0
0.98	20.34	---	56.00	35.66	1000.0	9.000	N	ON	20.3
0.99	---	15.56	46.00	30.44	1000.0	9.000	N	ON	20.2
2.58	19.64	---	56.00	36.36	1000.0	9.000	N	ON	19.6
4.90	---	17.28	46.00	28.72	1000.0	9.000	N	ON	19.5
6.76	---	20.76	50.00	29.24	1000.0	9.000	N	ON	19.5
7.16	23.47	---	60.00	36.53	1000.0	9.000	N	ON	19.5
15.77	22.48	---	60.00	37.52	1000.0	9.000	N	ON	19.7
29.01	---	23.23	50.00	26.78	1000.0	9.000	N	ON	19.7

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 kHz to 30 MHz

6. Main Test Instruments

Date of Testing: May 28, 2024 ~ May 29, 2024

Name of Equipment	Manufacturer	Type/Model	Serial Number	Calibration Date	Expiration Time
Power Sensor	R&S	NRP18S	101954	2024-05-07	2025-05-06
Spectrum Analyzer	KEYSIGHT	N9020A	MY51330870	2024-05-07	2025-05-06
DC Power Supply	UNI-T	UTP1306S+	2205D0517426	2023-12-05	2024-12-04
Climate Chamber	ESPEC	SU-242	93000506	2023-12-05	2024-12-04

Date of Testing: March 25, 2024 ~ June 28, 2024

Name of Equipment	Manufacturer	Type/Model	Serial Number	Calibration Date	Expiration Time
Radiated Emission					
EMI Test Receiver	R&S	ESCI3	100948	2023-05-12	2024-05-11
				2024-05-07	2025-05-06
Signal Analyzer	R&S	FSV40	101298	2023-05-12	2024-05-11
				2024-05-07	2025-05-06
Horn Antenna	SCHWARZBECK	BBHA 9120D	430	2021-07-26	2024-07-25
Horn Antenna	ETS-Lindgren	3160-09	00102643	2021-10-10	2024-10-09
Horn Antenna	STEATITE	QSH-SL-26-40-K-15	16779	2023-01-17	2026-01-16
Software	R&S	EMC32	9.26.01	/	/
Conducted Emission					
Artificial main network	R&S	ENV216	102191	2022-12-10	2024-12-09
EMI Test Receiver	R&S	ESR	101667	2023-05-12	2024-05-11
				2024-05-07	2025-05-06
Software	R&S	EMC32	10.35.10	/	/

ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.

ANNEX B: Test Setup Photos

The Test Setup Photos are submitted separately.

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