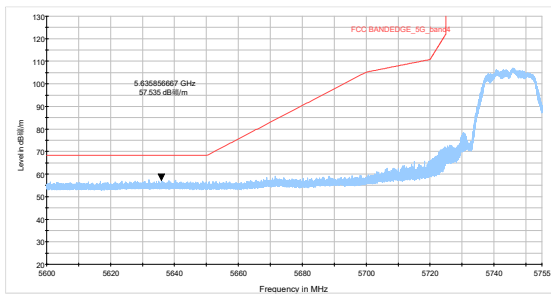
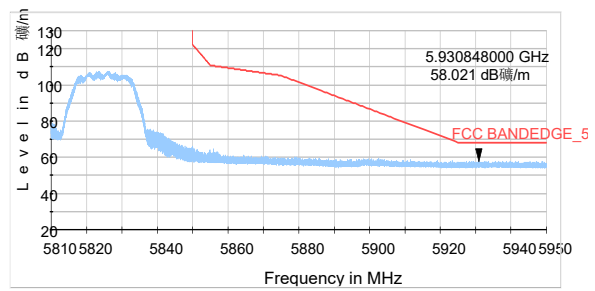


U-NII-3

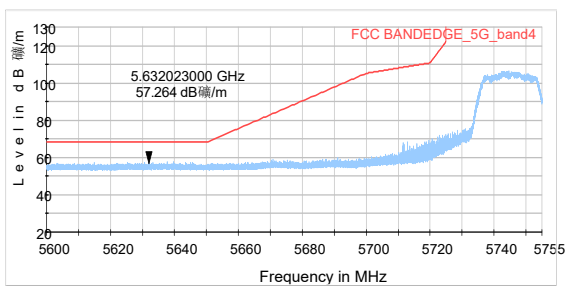
802.11a-Channel 149: Peak



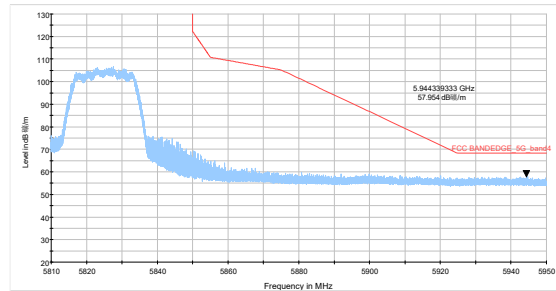
802.11a-Channel 165: Peak



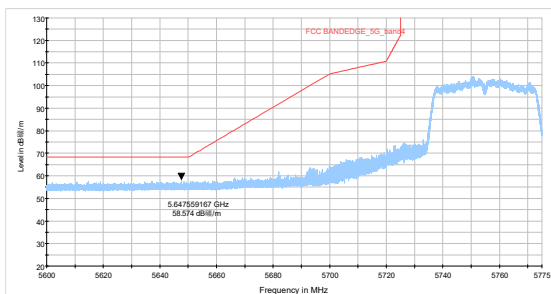
802.11n HT20-Channel 149: Peak



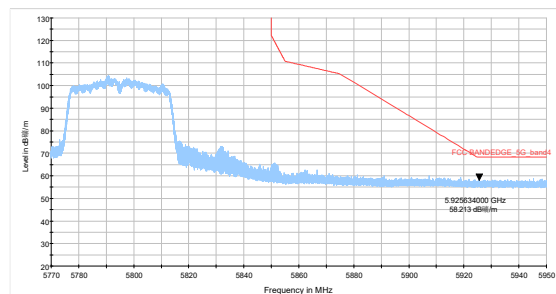
802.11n HT20-Channel 165: Peak



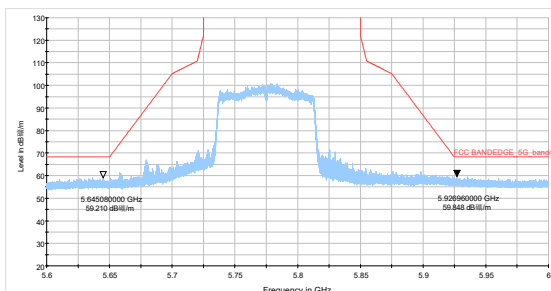
802.11n HT40-Channel 151: Peak



802.11n HT40-Channel 159: Peak



802.11ac VHT80- Channel 155: Peak



Result of RE

Test result

Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, the Emissions in the frequency band 9kHz-30MHz are more than 20dB below the limit are not reported.

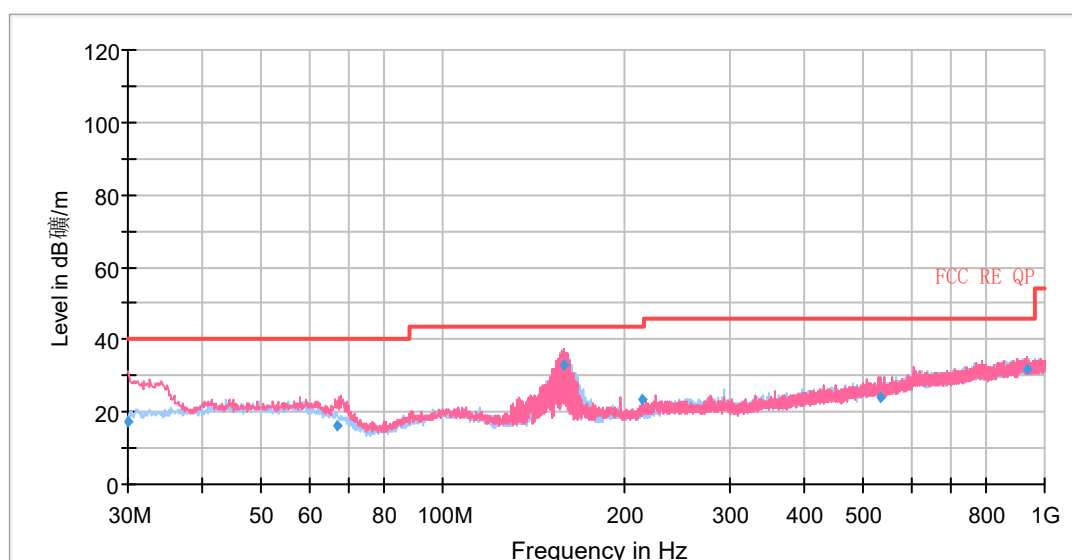
After the pre-test, MIMO was selected as the worst antenna.

A symbol (dB μ V/m) in the test plot below means (dB μ V/m)

A symbol (dB V/) in the test plot below means (dB μ V/m)

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels, 802.11ac (VHT80) CH106 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

Continuous TX mode:



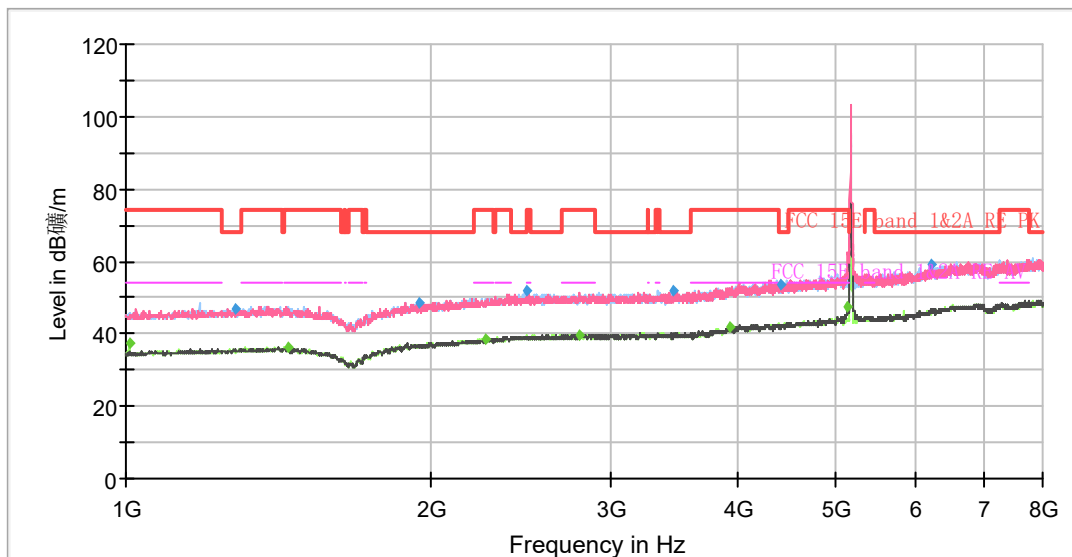
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
30.08	17.38	40.00	22.62	103.0	V	244.00	13
66.99	16.13	40.00	23.87	112.0	V	295.00	12
158.73	32.70	43.50	10.80	100.0	V	22.00	10
214.50	23.34	43.50	20.16	201.0	V	355.00	13
532.91	24.15	46.00	21.85	123.0	V	90.00	20
932.15	31.55	46.00	14.45	108.0	V	270.00	26

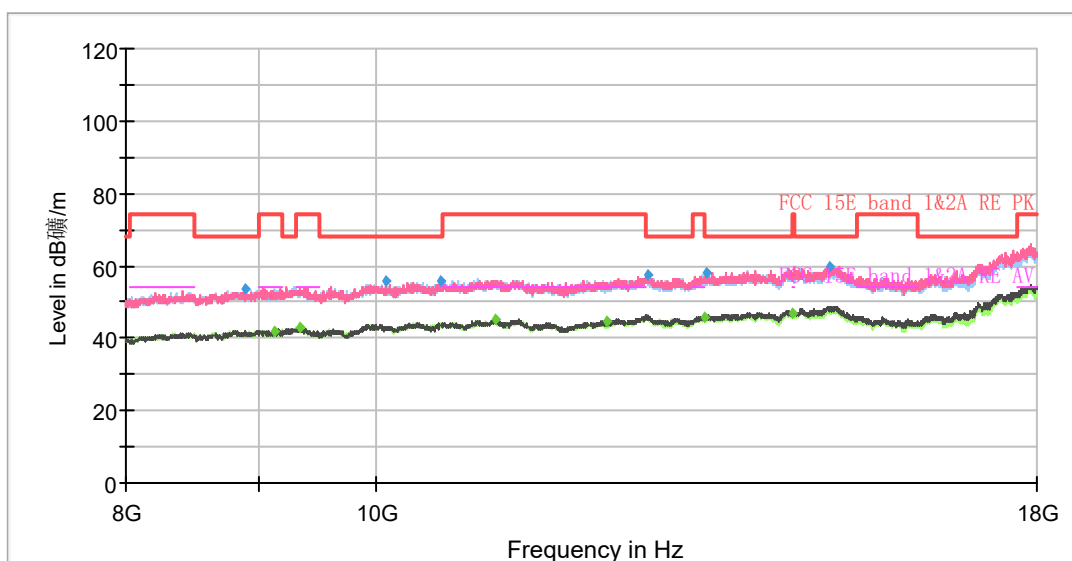
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit – Quasi-Peak

802.11a CH36



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



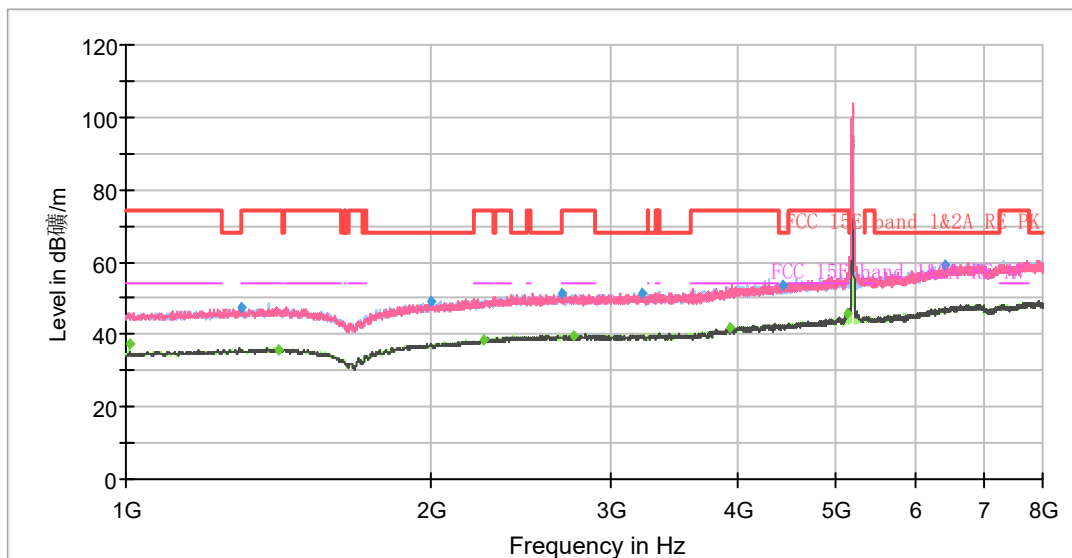
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1007.00	---	37.45	54.00	16.55	500.00	200.0	H	125.00	-10
1280.00	47.06	---	68.20	21.14	500.00	200.0	H	38.00	-9
1446.25	---	36.09	54.00	17.91	500.00	100.0	V	113.00	-8
1946.75	48.45	---	68.20	19.75	500.00	100.0	V	9.00	-7
2261.75	---	38.52	54.00	15.48	500.00	200.0	H	1.00	-6
2480.50	51.74	---	68.20	16.46	500.00	200.0	H	31.00	-5
2802.50	---	39.62	54.00	14.38	500.00	100.0	H	39.00	-5
3464.88	52.01	---	68.20	16.19	500.00	100.0	H	287.00	-3
3933.00	---	41.74	54.00	12.26	500.00	100.0	V	36.00	-1
4417.75	53.42	---	74.00	20.58	500.00	200.0	V	320.00	3
5145.75	---	47.35	54.00	6.65	500.00	200.0	V	22.00	3
6219.38	59.13	---	68.20	9.07	500.00	200.0	V	345.00	7

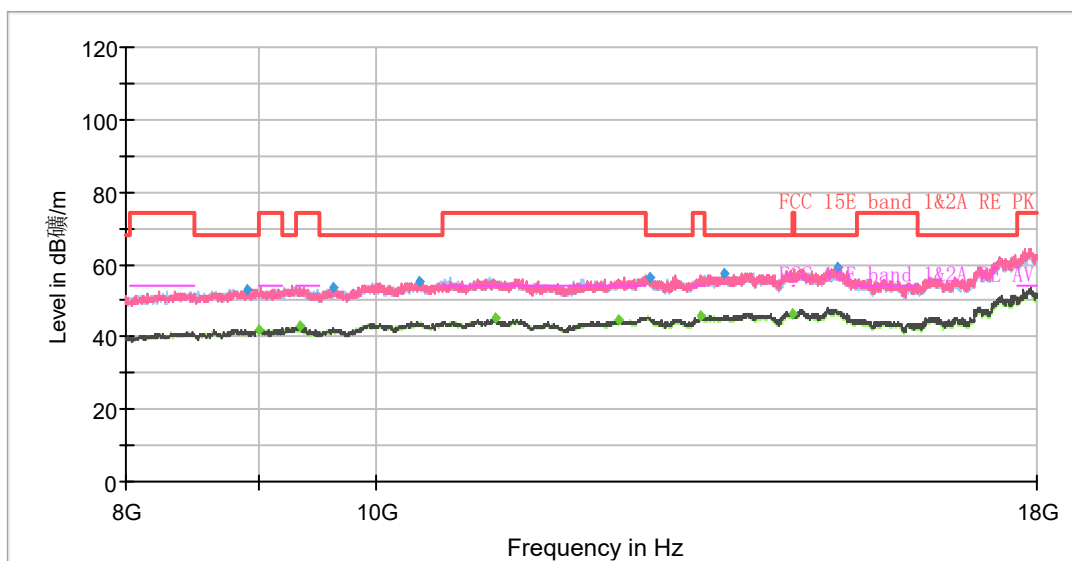
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11a CH40



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



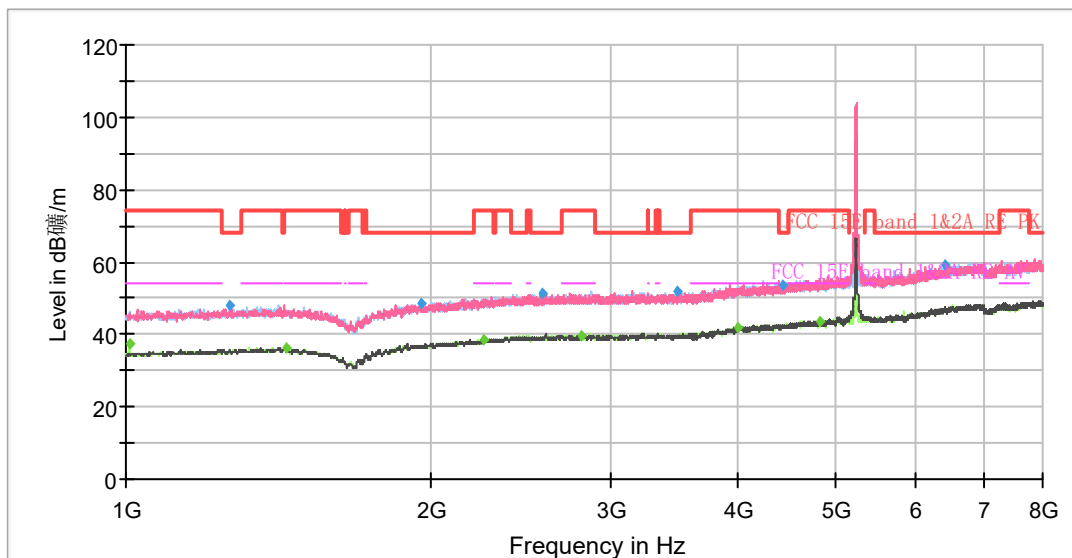
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1007.00	---	37.20	54.00	16.80	500.00	200.0	H	135.00	-10
1298.38	47.39	---	68.20	20.81	500.00	100.0	V	1.00	-9
1415.63	---	35.97	54.00	18.03	500.00	100.0	H	249.00	-8
1994.88	49.05	---	68.20	19.15	500.00	200.0	V	325.00	-7
2253.00	---	38.52	54.00	15.48	500.00	200.0	V	210.00	-6
2687.00	51.29	---	68.20	16.91	500.00	200.0	H	249.00	-5
2757.00	---	39.76	54.00	14.24	500.00	200.0	H	208.00	-5
3228.63	51.61	---	68.20	16.59	500.00	200.0	V	128.00	-4
3931.25	---	41.74	54.00	12.26	500.00	100.0	H	255.00	-1
4441.38	53.75	---	68.20	14.45	500.00	200.0	H	242.00	0
5144.88	---	45.97	54.00	8.03	500.00	200.0	V	210.00	3
6408.38	59.29	---	68.20	8.91	500.00	200.0	H	202.00	7
14481.25	---	46.14	54.00	7.86	500.00	100.0	V	206.00	9

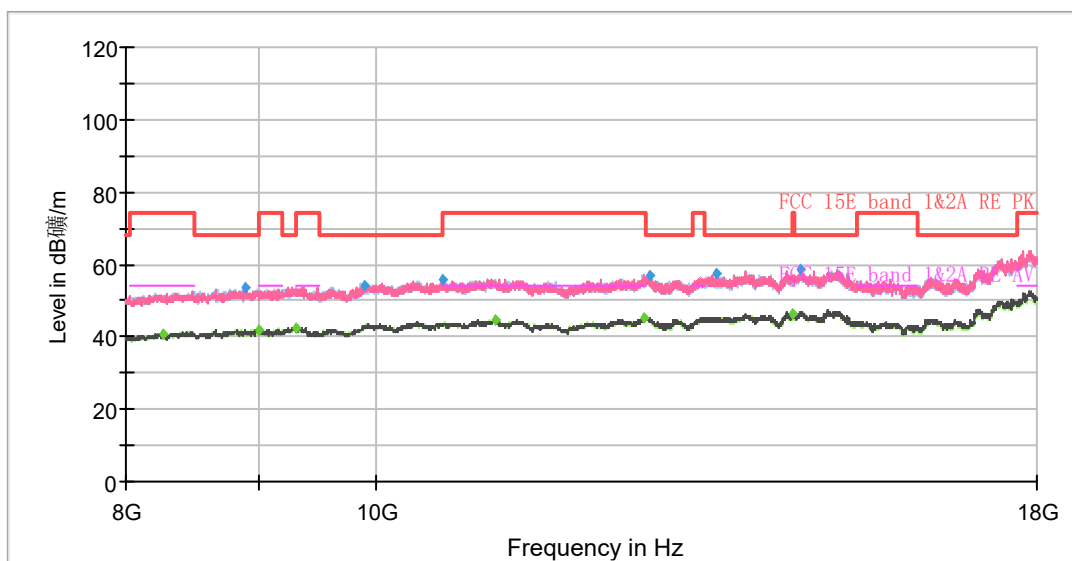
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11a CH48



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



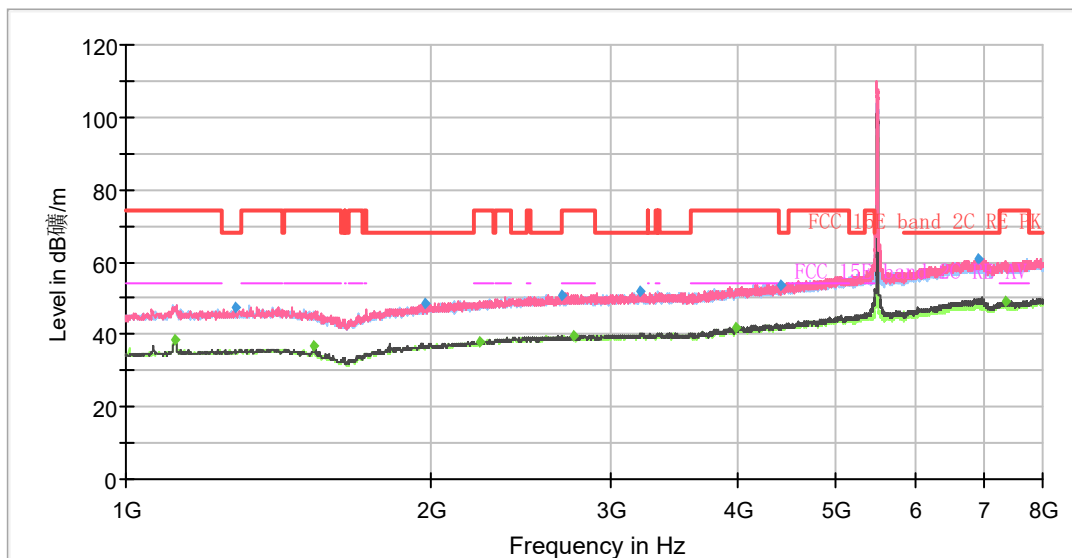
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1007.00	---	37.28	54.00	16.72	500.00	200.0	H	138.00	-10
1266.88	47.86	---	68.20	20.34	500.00	100.0	H	330.00	-9
1437.50	---	36.07	54.00	17.93	500.00	200.0	V	162.00	-8
1955.50	48.42	---	68.20	19.78	500.00	200.0	V	355.00	-7
2253.88	---	38.46	54.00	15.54	500.00	200.0	H	57.00	-6
2575.88	51.33	---	68.20	16.87	500.00	200.0	V	334.00	-5
2807.75	---	39.73	54.00	14.27	500.00	100.0	V	1.00	-5
3488.50	51.85	---	68.20	16.35	500.00	200.0	V	196.00	-3
3999.50	---	41.85	54.00	12.15	500.00	200.0	H	171.00	-1
4434.38	53.74	---	68.20	14.46	500.00	100.0	H	258.00	0
4823.75	---	43.47	54.00	10.53	500.00	200.0	V	27.00	2
6408.38	59.42	---	68.20	8.78	500.00	100.0	H	357.00	7
14487.50	---	46.15	54.00	7.85	500.00	100.0	V	353.00	9

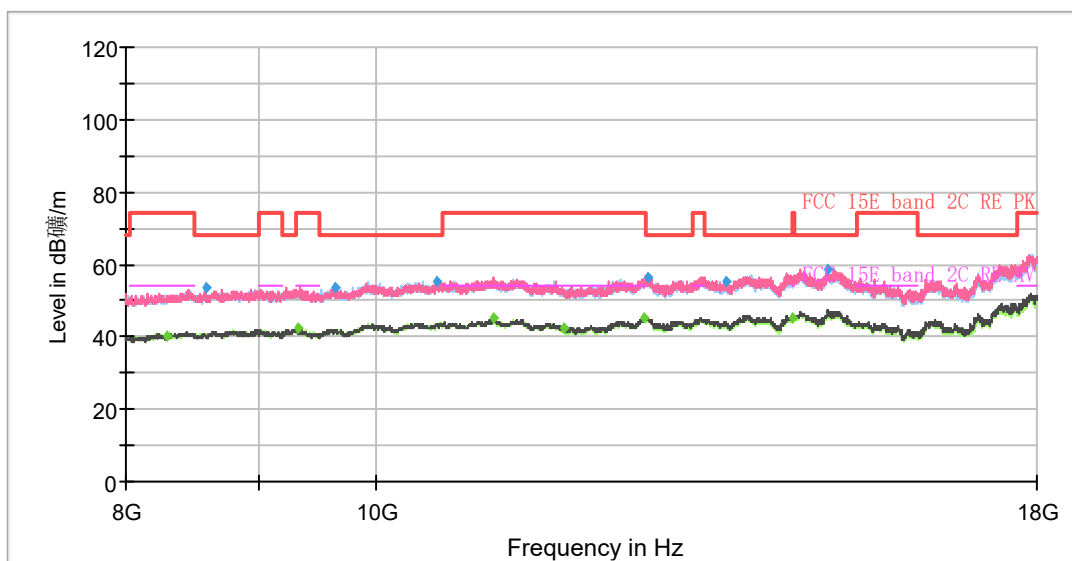
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11a CH100



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



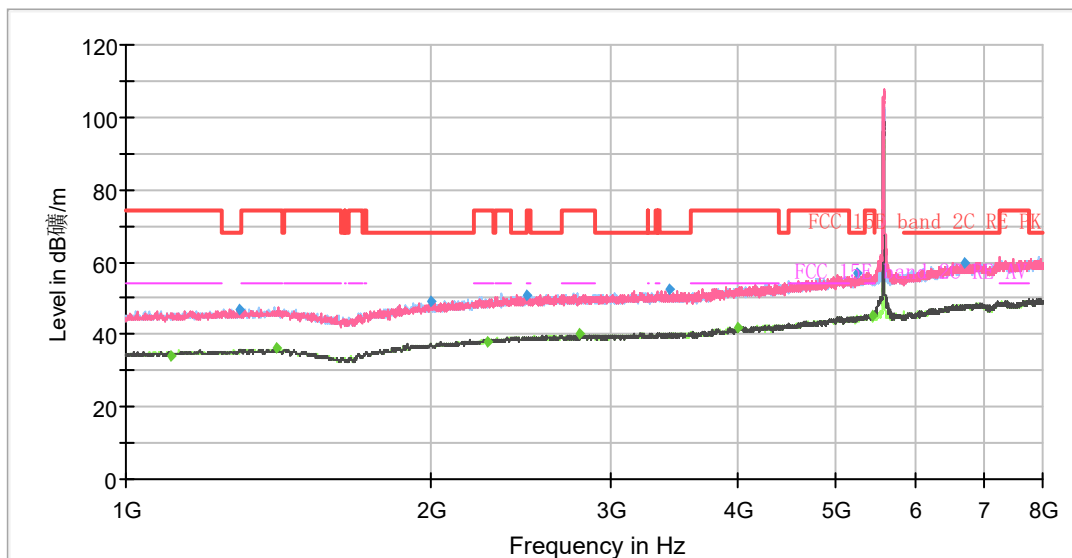
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1119.00	---	38.30	54.00	15.70	500.00	200.0	H	226.00	-10
1284.38	47.29	---	68.20	20.91	500.00	200.0	V	155.00	-9
1532.00	---	36.83	54.00	17.17	500.00	200.0	V	182.00	-8
1973.88	48.74	---	68.20	19.46	500.00	200.0	H	313.00	-7
2228.50	---	38.10	54.00	15.90	500.00	200.0	H	307.00	-6
2688.75	51.04	---	68.20	17.16	500.00	100.0	H	50.00	-5
2754.38	---	39.80	54.00	14.20	500.00	200.0	V	54.00	-5
3214.63	51.73	---	68.20	16.47	500.00	100.0	V	352.00	-4
3987.25	---	41.68	54.00	12.32	500.00	200.0	V	250.00	-1
4424.75	53.85	---	68.20	14.35	500.00	200.0	V	18.00	0
6909.75	60.82	---	68.20	7.38	500.00	200.0	V	201.00	9
7356.00	---	49.14	54.00	4.86	500.00	200.0	V	122.00	9

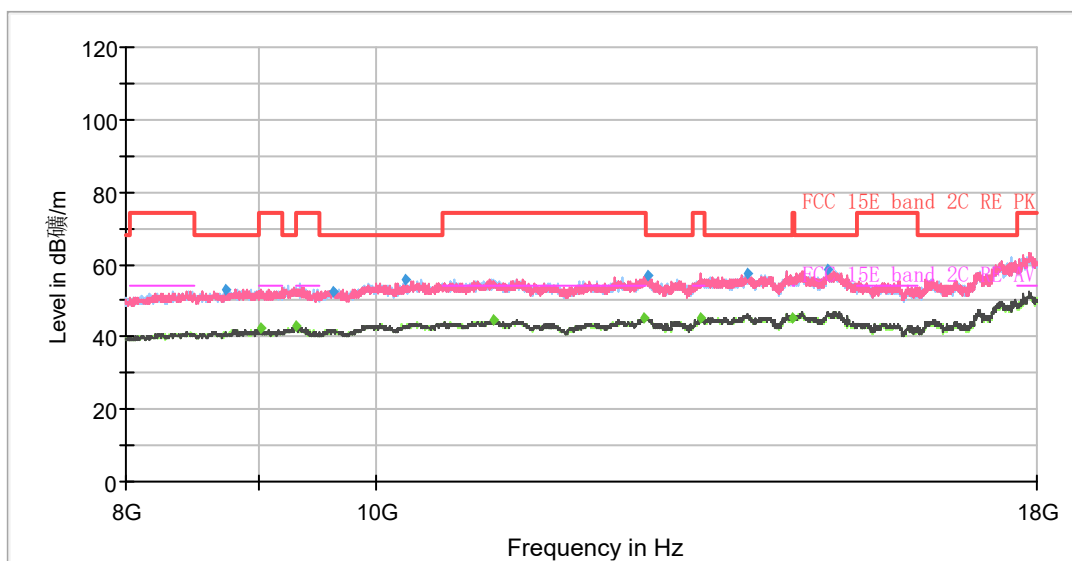
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11a CH116



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



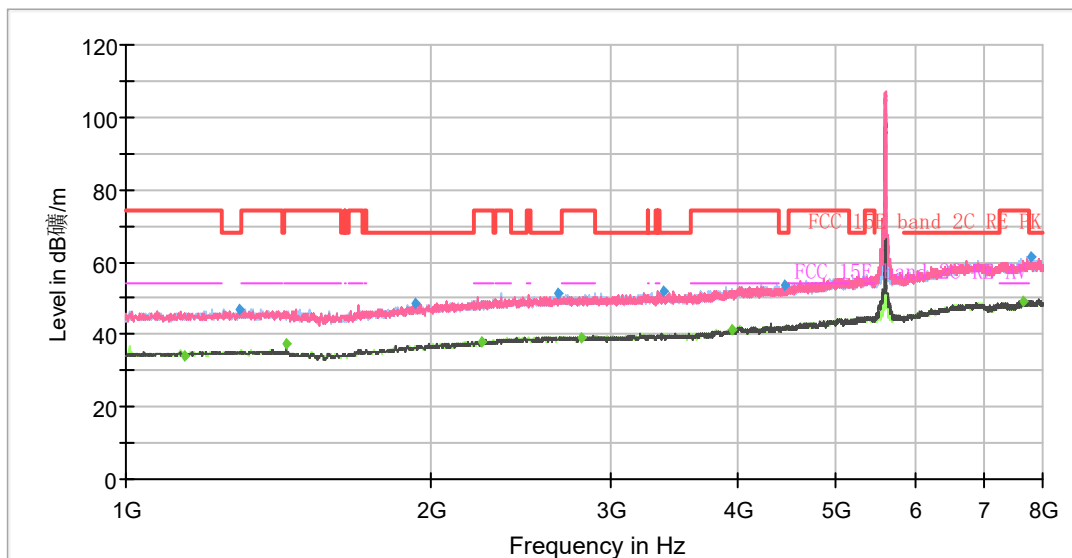
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1109.38	---	34.26	54.00	19.74	500.00	100.0	H	339.00	-10
1295.75	46.91	---	68.20	21.29	500.00	100.0	H	292.00	-9
1404.25	---	36.03	54.00	17.97	500.00	100.0	H	319.00	-8
1994.00	48.90	---	68.20	19.30	500.00	100.0	H	278.00	-7
2268.75	---	38.22	54.00	15.78	500.00	100.0	H	182.00	-6
2477.00	50.96	---	68.20	17.24	500.00	100.0	H	228.00	-5
2803.38	---	40.21	54.00	13.79	500.00	200.0	H	219.00	-5
3432.50	52.63	---	68.20	15.57	500.00	200.0	V	357.00	-3
3999.50	---	41.94	54.00	12.06	500.00	100.0	V	162.00	-1
5258.63	57.19	---	68.20	11.01	500.00	200.0	V	0.00	3
5429.25	---	45.30	54.00	8.70	500.00	200.0	V	290.00	4
6697.13	59.80	---	68.20	8.40	500.00	100.0	V	0.00	8

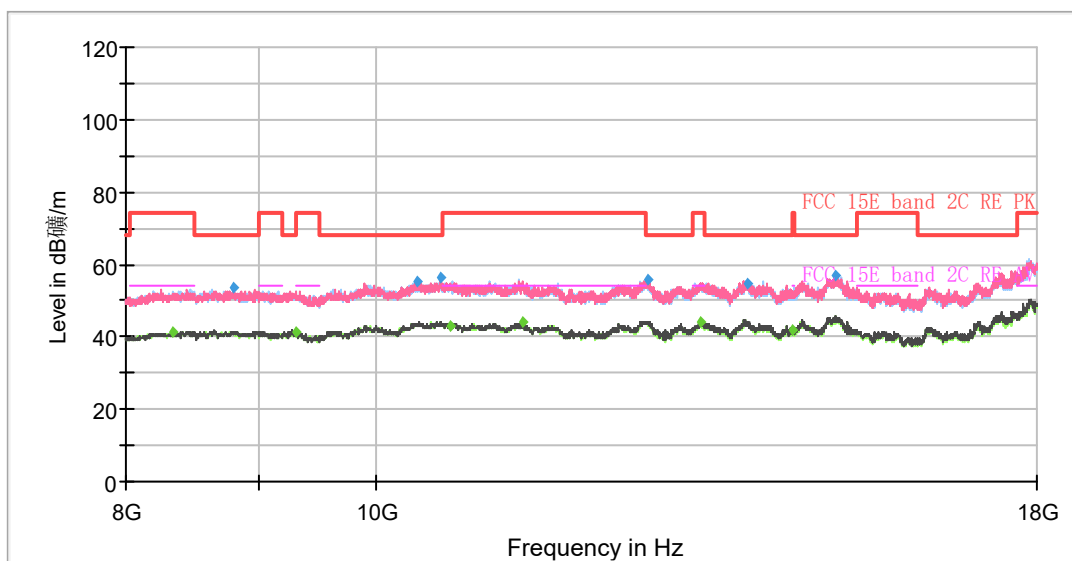
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11a CH120



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



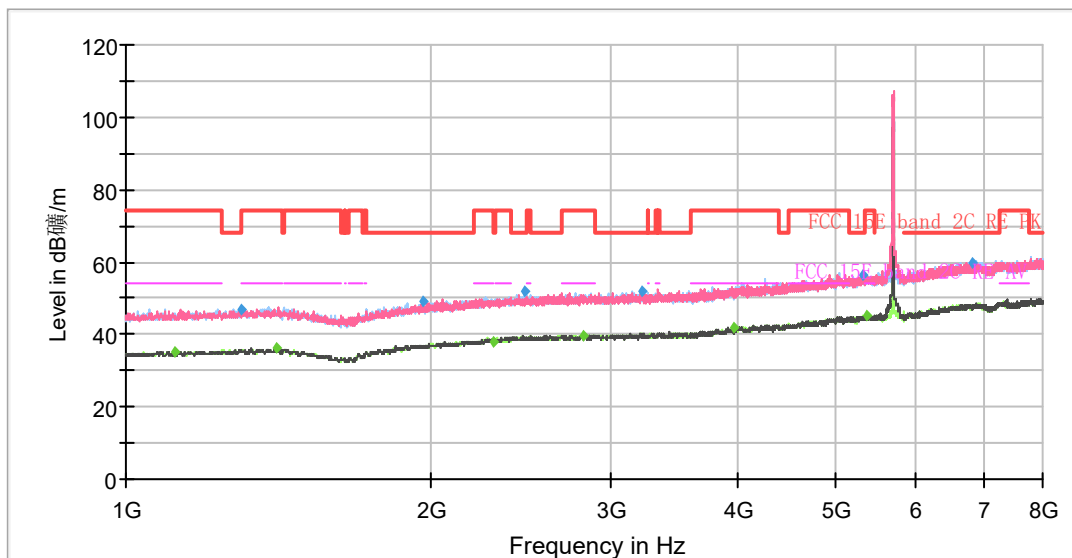
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1144.38	---	34.29	54.00	19.71	500.00	100.0	H	149.00	-10
1295.75	46.77	---	68.20	21.43	500.00	200.0	V	149.00	-9
1440.13	---	37.37	54.00	16.63	500.00	100.0	V	324.00	-8
1928.38	48.58	---	68.20	19.62	500.00	200.0	V	285.00	-7
2237.25	---	38.16	54.00	15.84	500.00	200.0	H	351.00	-6
2661.63	51.29	---	68.20	16.91	500.00	100.0	V	218.00	-5
2814.75	---	39.33	54.00	14.67	500.00	100.0	H	103.00	-5
3382.63	51.85	---	68.20	16.35	500.00	200.0	V	75.00	-4
3948.75	---	41.35	54.00	12.65	500.00	100.0	H	224.00	-1
4448.38	53.78	---	68.20	14.42	500.00	100.0	V	318.00	0
7664.88	---	48.97	54.00	5.03	500.00	100.0	V	80.00	10
7783.00	61.50	---	68.20	6.70	500.00	100.0	V	233.00	10

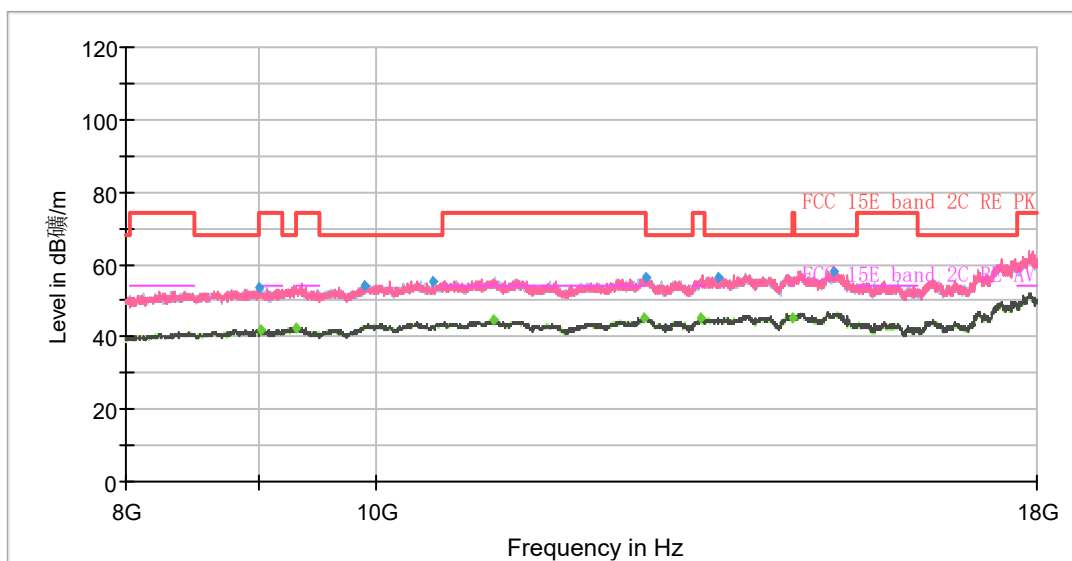
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11a CH140



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



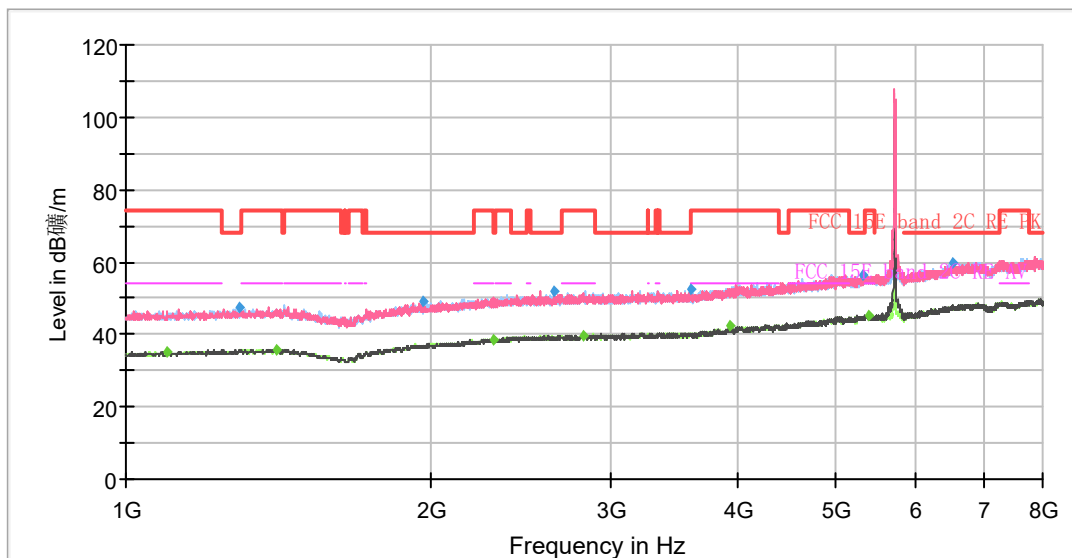
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1115.50	---	34.95	54.00	19.05	500.00	100.0	V	219.00	-10
1299.25	46.78	---	68.20	21.42	500.00	100.0	V	0.00	-9
1404.25	---	36.23	54.00	17.77	500.00	100.0	H	163.00	-8
1962.50	48.89	---	68.20	19.31	500.00	100.0	V	219.00	-7
2299.38	---	38.22	54.00	15.78	500.00	200.0	H	105.00	-6
2468.25	51.85	---	68.20	16.35	500.00	100.0	H	189.00	-5
2822.63	---	39.91	54.00	14.09	500.00	100.0	H	270.00	-5
3221.63	51.87	---	68.20	16.33	500.00	100.0	V	166.00	-3
3966.25	---	41.94	54.00	12.06	500.00	200.0	V	0.00	-1
5324.25	56.44	---	68.20	11.76	500.00	200.0	H	178.00	4
5369.75	---	45.26	54.00	8.74	500.00	200.0	V	149.00	4
6804.75	59.87	---	68.20	8.33	500.00	200.0	V	256.00	8

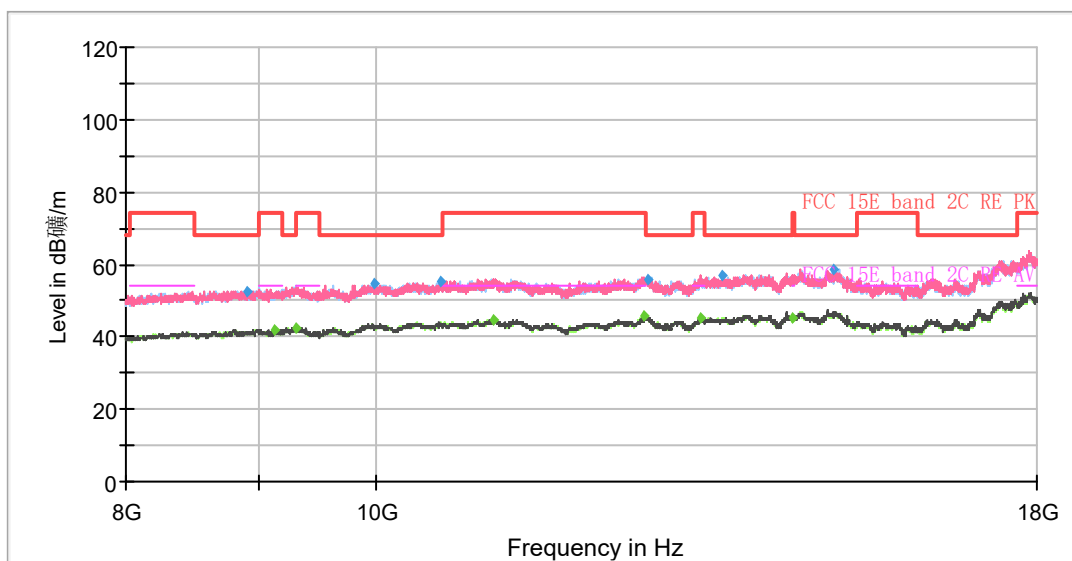
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11a CH144



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



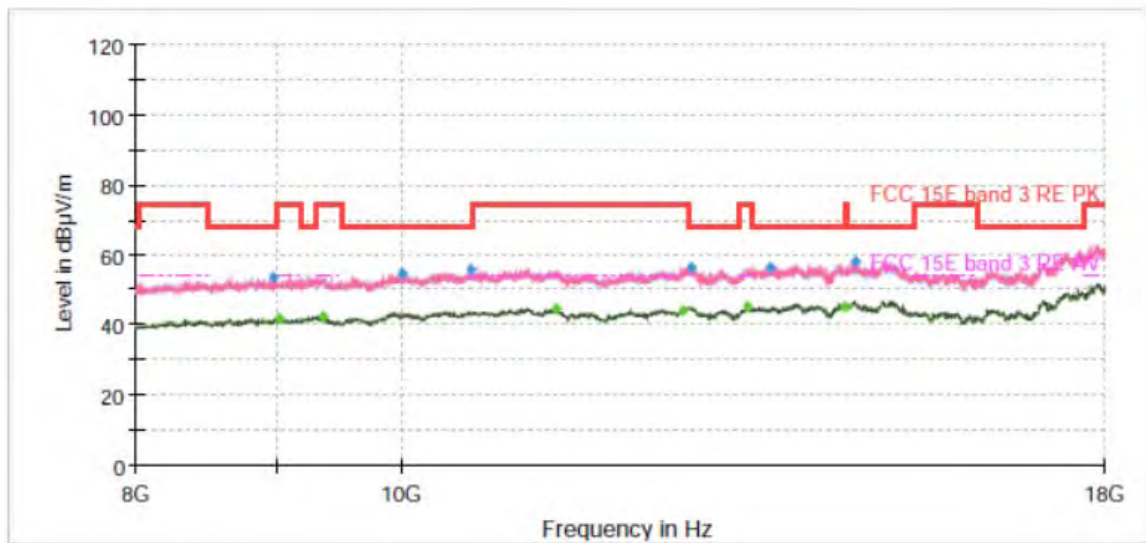
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1099.75	---	35.31	54.00	18.69	500.00	200.0	H	275.00	-10
1295.75	47.70	---	68.20	20.50	500.00	200.0	H	121.00	-9
1404.25	---	35.88	54.00	18.12	500.00	100.0	V	1.00	-8
1958.13	49.05	---	68.20	19.15	500.00	100.0	V	107.00	-7
2299.38	---	38.39	54.00	15.61	500.00	200.0	H	350.00	-6
2645.00	51.88	---	68.20	16.32	500.00	200.0	H	67.00	-5
2822.63	---	39.77	54.00	14.23	500.00	100.0	V	316.00	-5
3596.13	52.53	---	68.20	15.67	500.00	100.0	V	359.00	-3
3932.13	---	42.17	54.00	11.83	500.00	100.0	H	0.00	-1
5320.75	56.61	---	68.20	11.59	500.00	200.0	H	350.00	4
5389.88	---	45.31	54.00	8.69	500.00	200.0	V	33.00	4
6525.63	59.92	---	68.20	8.28	500.00	200.0	V	0.00	8

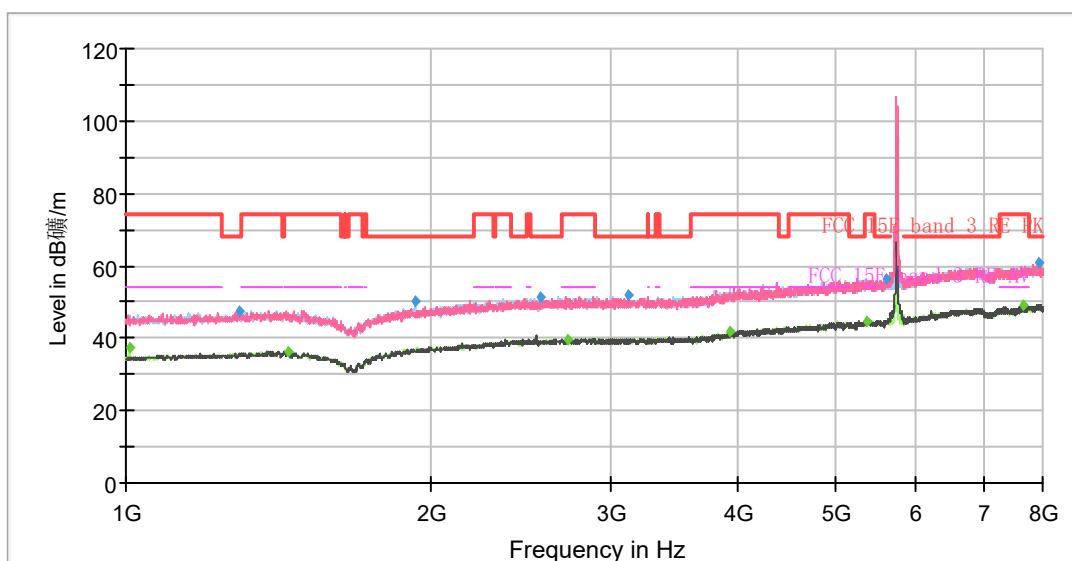
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11a CH149



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



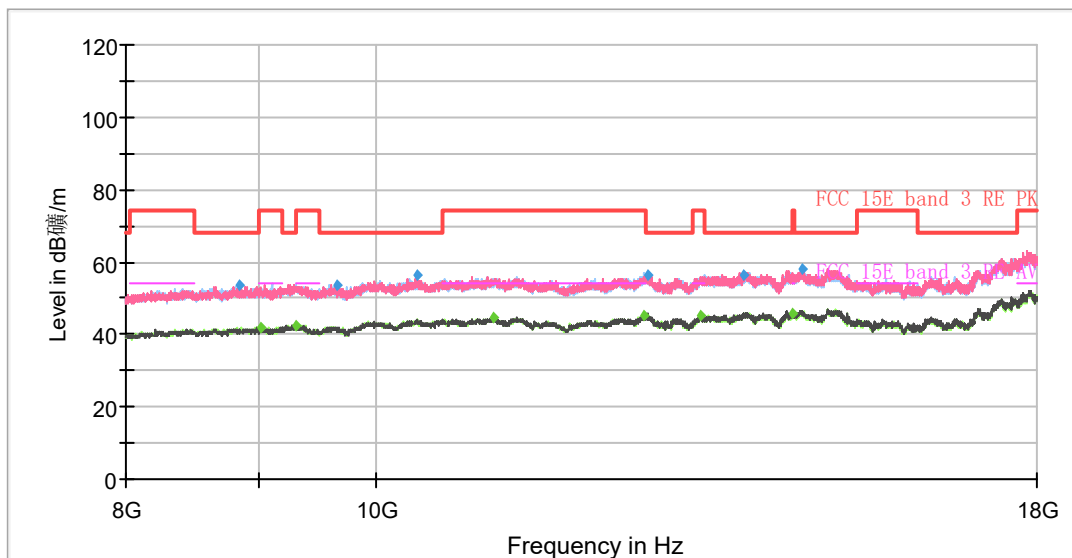
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8981.25	53.36	---	68.20	14.84	500.00	100.0	V	355.00	1
9016.25	---	42.06	54.00	11.94	500.00	100.0	H	263.00	1
9361.25	---	42.46	54.00	11.54	500.00	200.0	H	302.00	1
10003.75	54.84	---	68.20	13.36	500.00	200.0	H	175.00	2
10591.25	55.83	---	68.20	12.37	500.00	200.0	V	347.00	3
11365.00	---	44.74	54.00	9.26	500.00	200.0	H	184.00	4
12642.50	---	44.20	54.00	9.80	500.00	200.0	H	358.00	7
12732.50	56.37	---	68.20	11.83	500.00	200.0	H	2.00	7
13336.25	---	45.03	54.00	8.97	500.00	100.0	V	333.00	7
13605.00	56.64	---	68.20	11.56	500.00	200.0	H	292.00	8
14493.75	---	45.22	54.00	8.78	500.00	100.0	V	357.00	9
14598.75	58.12	---	68.20	10.08	500.00	100.0	V	307.00	8
7926.50	60.74	---	68.20	7.46	500.00	200.0	V	0.00	10

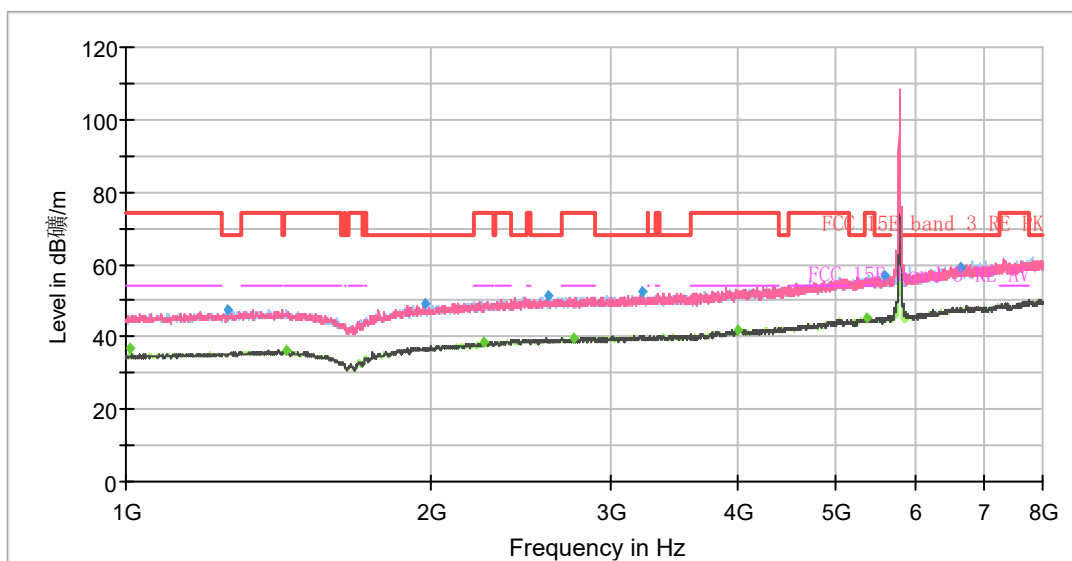
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11a CH157



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



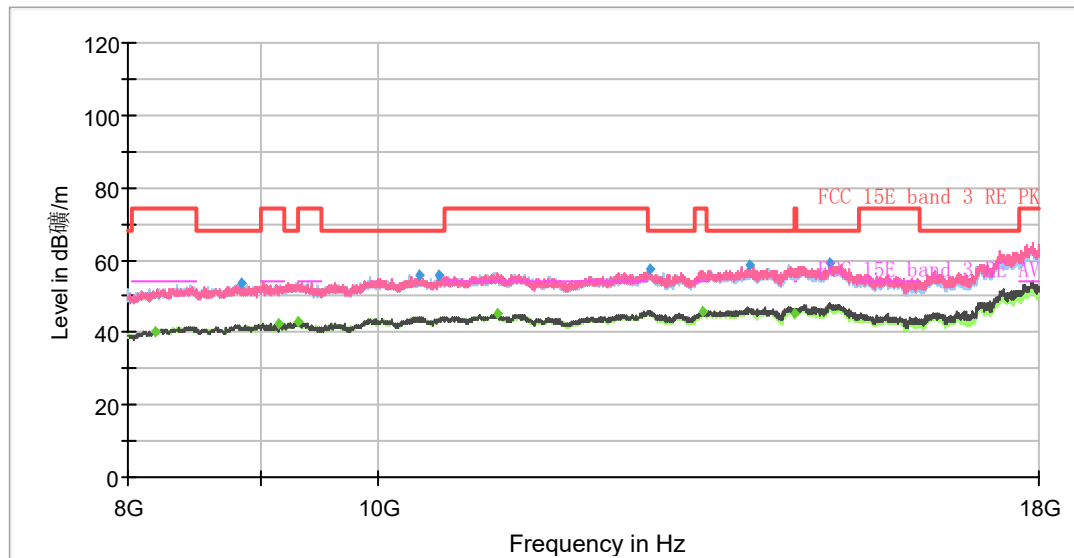
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8843.75	53.40	---	68.20	14.80	500.00	200.0	H	278.00	1
9013.75	---	41.92	54.00	12.08	500.00	100.0	V	227.00	1
9306.25	---	42.60	54.00	11.40	500.00	100.0	H	301.00	1
9647.50	53.41	---	68.20	14.79	500.00	100.0	V	59.00	2
10365.00	56.18	---	68.20	12.02	500.00	100.0	V	346.00	3
11093.75	---	44.65	54.00	9.35	500.00	100.0	H	55.00	4
12696.25	---	45.02	54.00	8.98	500.00	100.0	V	142.00	7
12736.25	56.25	---	68.20	11.95	500.00	100.0	H	0.00	7
13333.75	---	44.96	54.00	9.04	500.00	200.0	H	224.00	7
13866.25	56.49	---	68.20	11.71	500.00	200.0	H	0.00	8
14475.00	---	45.73	54.00	8.27	500.00	200.0	V	209.00	9
14595.00	58.32	---	68.20	9.88	500.00	200.0	V	164.00	8

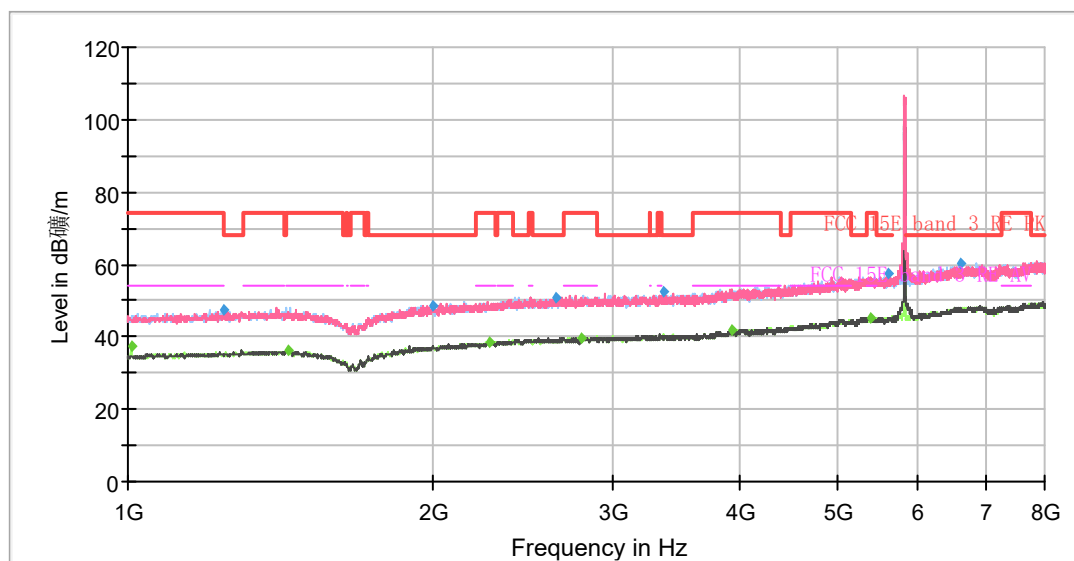
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11a CH165



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



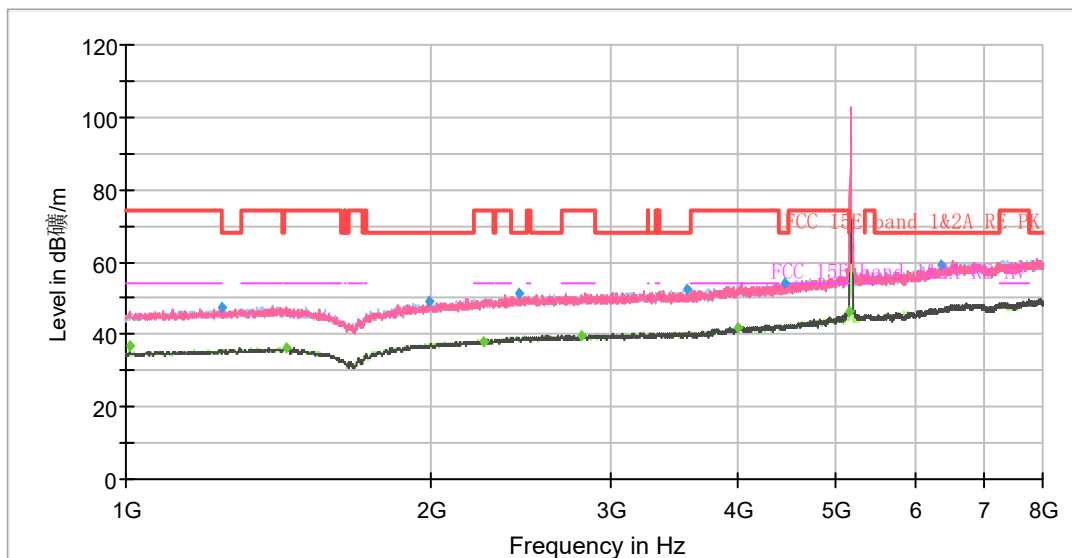
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8193.75	---	39.93	54.00	14.07	500.00	100.0	H	5.00	0
8845.00	53.35	---	68.20	14.85	500.00	100.0	H	128.00	1
9140.00	---	42.36	54.00	11.64	500.00	200.0	H	163.00	1
9308.75	---	42.74	54.00	11.26	500.00	100.0	V	270.00	1
10365.00	55.96	---	68.20	12.24	500.00	100.0	V	345.00	3
10550.00	55.87	---	68.20	12.33	500.00	200.0	V	207.00	3
11107.50	---	45.43	54.00	8.57	500.00	200.0	V	2.00	4
12733.75	57.28	---	68.20	10.92	500.00	100.0	H	4.00	7
13340.00	---	45.67	54.00	8.33	500.00	100.0	V	6.00	7
13901.25	58.59	---	68.20	9.61	500.00	100.0	V	357.00	8
14482.50	---	45.33	54.00	8.67	500.00	200.0	H	352.00	9
14931.25	59.09	---	68.20	9.11	500.00	200.0	V	34.00	10
6607.88	60.24	---	68.20	7.96	500.00	200.0	V	289.00	8

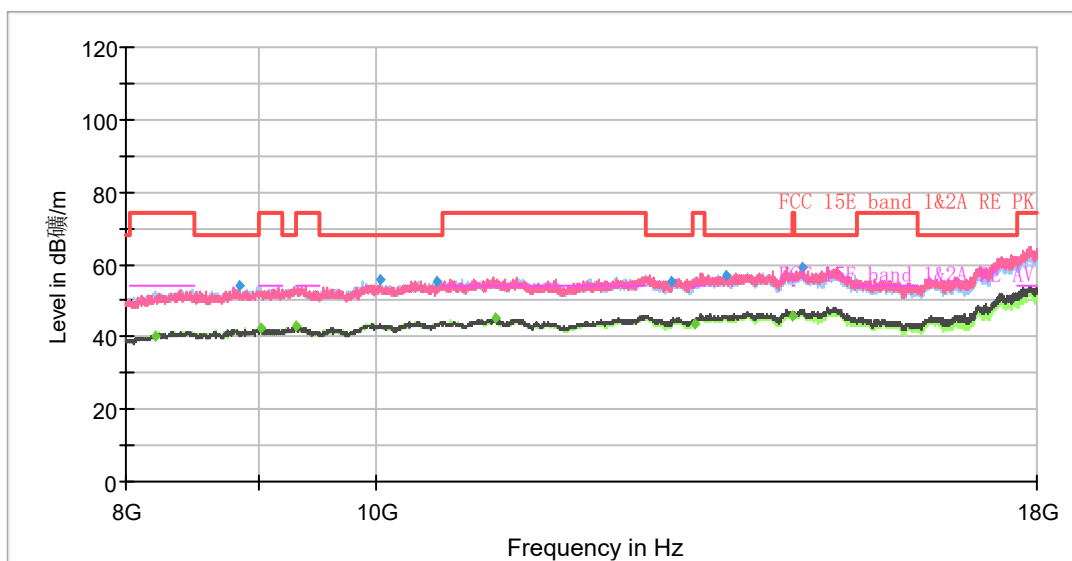
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT20) CH36



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



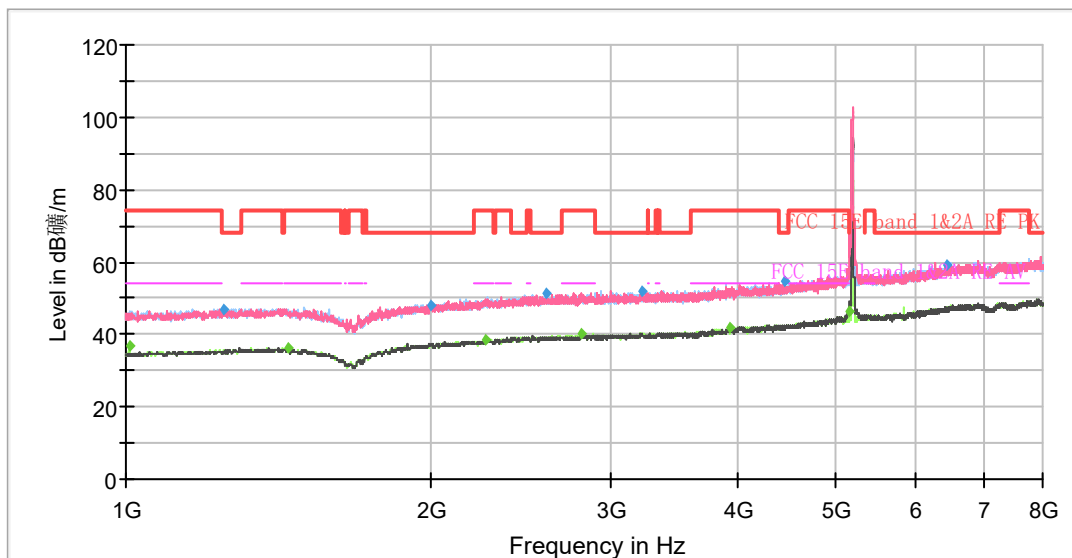
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1007.00	---	36.83	54.00	17.17	500.00	200.0	H	123.00	-10
1244.13	47.43	---	68.20	20.77	500.00	200.0	V	174.00	-9
1440.13	---	36.51	54.00	17.49	500.00	200.0	H	144.00	-8
1991.38	48.90	---	68.20	19.30	500.00	100.0	V	71.00	-7
2249.50	---	37.84	54.00	16.16	500.00	100.0	H	357.00	-6
2436.75	51.61	---	68.20	16.59	500.00	200.0	V	347.00	-5
2805.13	---	39.83	54.00	14.17	500.00	100.0	H	235.00	-5
3567.25	52.70	---	68.20	15.50	500.00	100.0	H	154.00	-3
3998.63	---	42.13	54.00	11.87	500.00	100.0	V	2.00	-1
4450.13	54.09	---	68.20	14.11	500.00	200.0	H	111.00	0
5149.25	---	46.45	54.00	7.55	500.00	200.0	V	316.00	3
6354.13	59.34	---	68.20	8.86	500.00	100.0	H	348.00	7

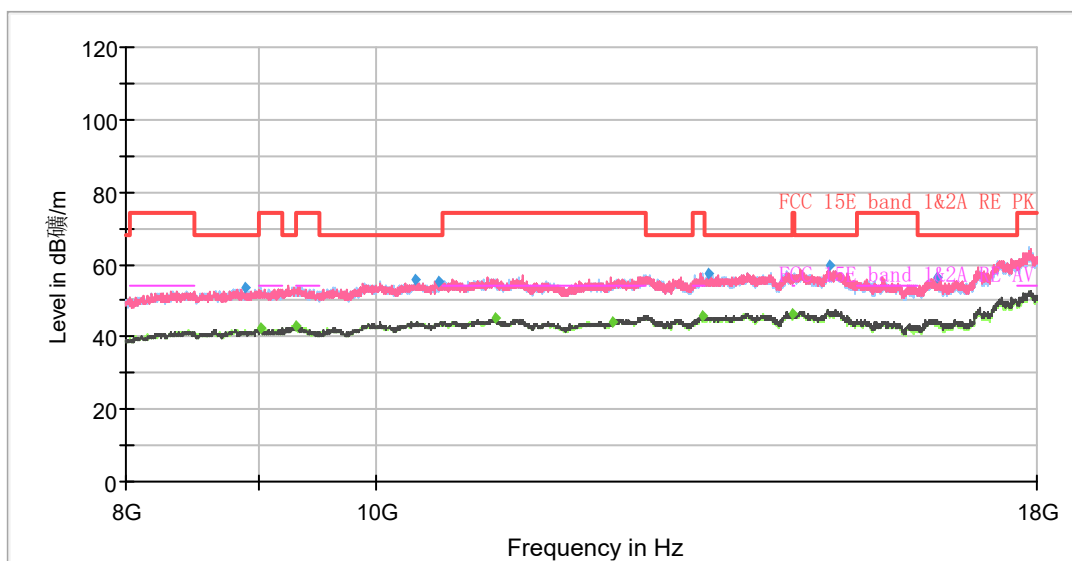
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT20) CH40



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



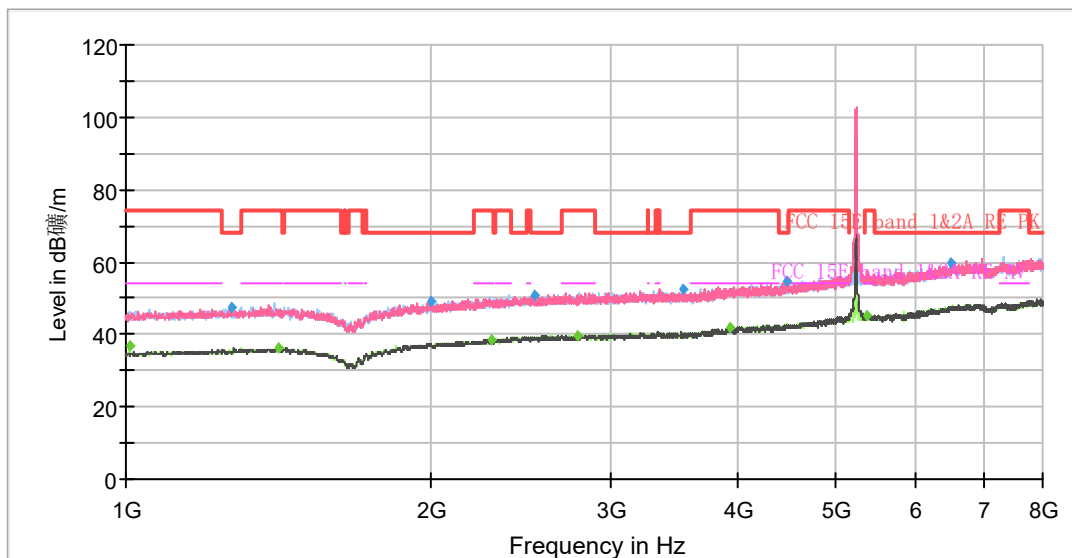
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1007.00	---	36.78	54.00	17.22	500.00	200.0	H	140.00	-10
1249.38	47.14	---	68.20	21.06	500.00	100.0	V	5.00	-9
1445.38	---	36.14	54.00	17.86	500.00	100.0	H	319.00	-8
1994.00	48.27	---	68.20	19.93	500.00	200.0	H	107.00	-7
2256.50	---	38.66	54.00	15.34	500.00	100.0	V	253.00	-6
2592.50	51.31	---	68.20	16.89	500.00	100.0	H	0.00	-5
2805.13	---	39.91	54.00	14.09	500.00	200.0	H	2.00	-5
3221.63	51.86	---	68.20	16.34	500.00	200.0	V	33.00	-3
3930.38	---	41.60	54.00	12.40	500.00	200.0	H	35.00	-1
4456.25	54.68	---	68.20	13.52	500.00	200.0	V	327.00	0
5147.50	---	46.33	54.00	7.67	500.00	200.0	V	195.00	3
6446.88	59.06	---	68.20	9.14	500.00	100.0	V	300.00	7
14480.00	---	46.31	54.00	7.69	500.00	200.0	V	93.00	9

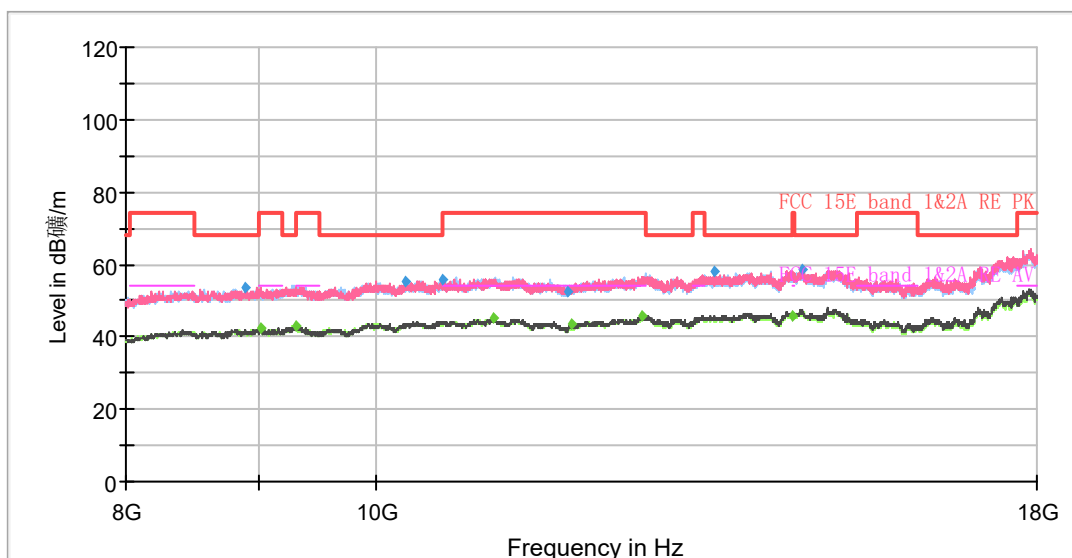
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT20) CH48



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



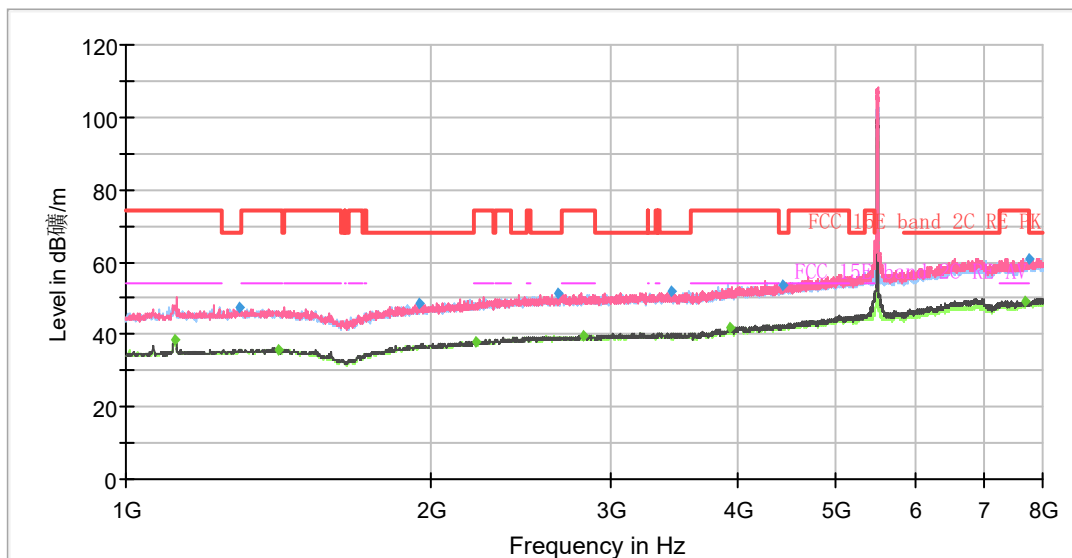
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1007.00	---	36.95	54.00	17.05	500.00	200.0	H	133.00	-10
1268.63	47.34	---	68.20	20.86	500.00	200.0	V	93.00	-9
1414.75	---	36.30	54.00	17.70	500.00	200.0	H	133.00	-8
1994.00	48.93	---	68.20	19.27	500.00	100.0	V	246.00	-7
2287.13	---	38.47	54.00	15.53	500.00	200.0	H	227.00	-6
2529.50	51.05	---	68.20	17.15	500.00	100.0	H	338.00	-5
2789.38	---	39.75	54.00	14.25	500.00	100.0	H	356.00	-5
3543.63	52.27	---	68.20	15.93	500.00	100.0	H	0.00	-3
3936.50	---	41.70	54.00	12.30	500.00	200.0	H	66.00	-1
4476.38	54.73	---	68.20	13.47	500.00	100.0	H	180.00	0
5376.75	---	45.26	54.00	8.74	500.00	100.0	V	57.00	4
6495.88	59.61	---	68.20	8.59	500.00	100.0	V	18.00	8
14488.75	---	46.02	54.00	7.98	500.00	200.0	V	276.00	9

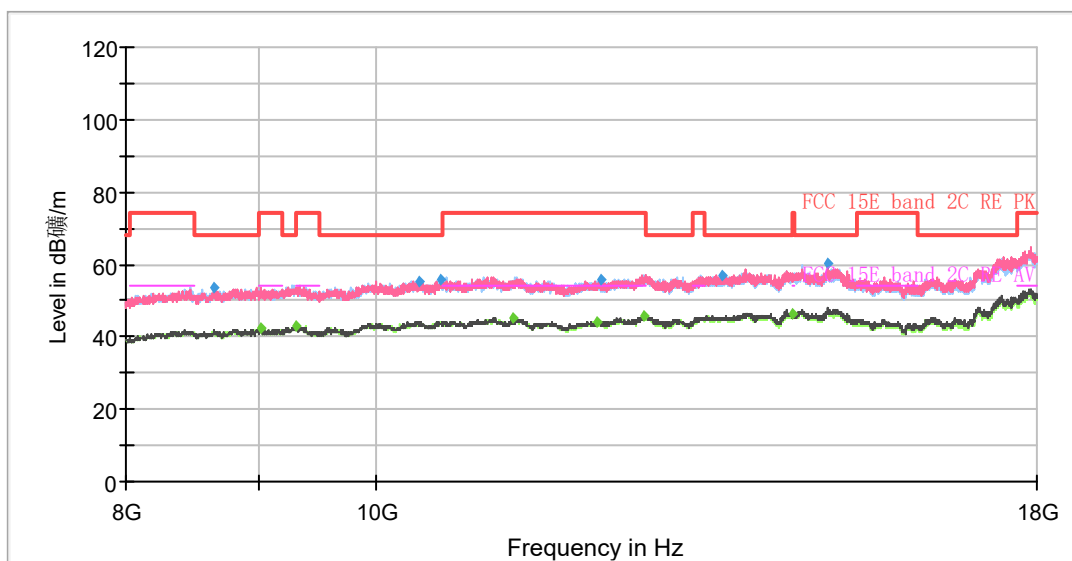
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT20) CH100



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



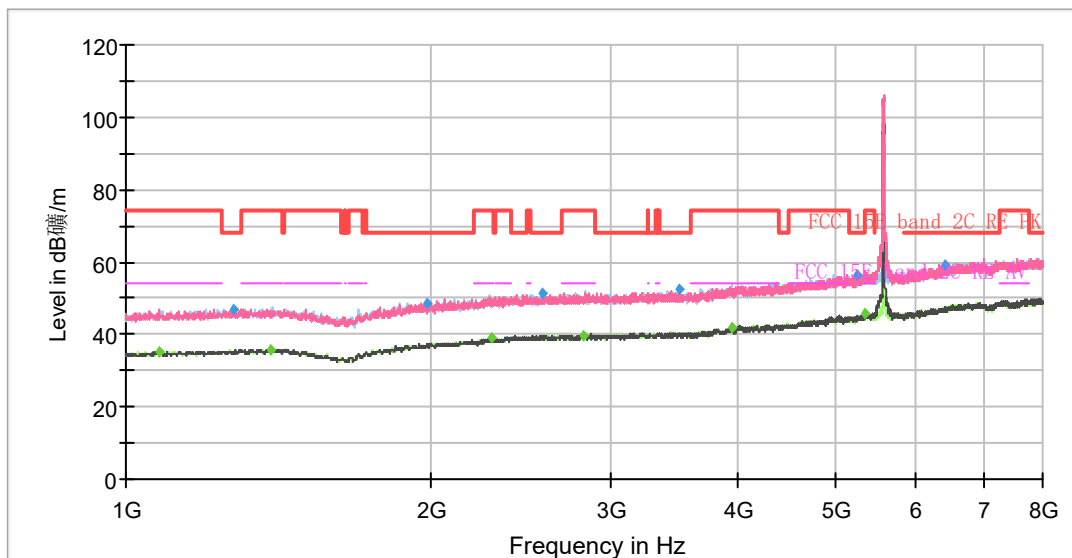
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1119.00	---	38.39	54.00	15.61	500.00	200.0	V	217.00	-10
1294.00	47.50	---	68.20	20.70	500.00	200.0	H	215.00	-9
1414.75	---	35.94	54.00	18.06	500.00	200.0	V	109.00	-8
1941.50	48.44	---	68.20	19.76	500.00	200.0	V	122.00	-7
2213.63	---	37.73	54.00	16.27	500.00	200.0	V	6.00	-6
2659.88	51.25	---	68.20	16.95	500.00	200.0	V	177.00	-5
2816.50	---	39.70	54.00	14.30	500.00	200.0	V	177.00	-5
3442.13	51.80	---	68.20	16.40	500.00	200.0	H	322.00	-3
3934.75	---	41.70	54.00	12.30	500.00	200.0	V	4.00	-1
4445.75	53.63	---	68.20	14.57	500.00	200.0	V	244.00	0
7671.00	---	49.14	54.00	4.86	500.00	100.0	V	292.00	10
7762.88	60.85	---	68.20	7.35	500.00	100.0	V	0.00	10
14475.00	---	46.28	54.00	7.72	500.00	100.0	V	268.00	9
14947.50	60.33	---	68.20	7.87	500.00	200.0	V	280.00	10

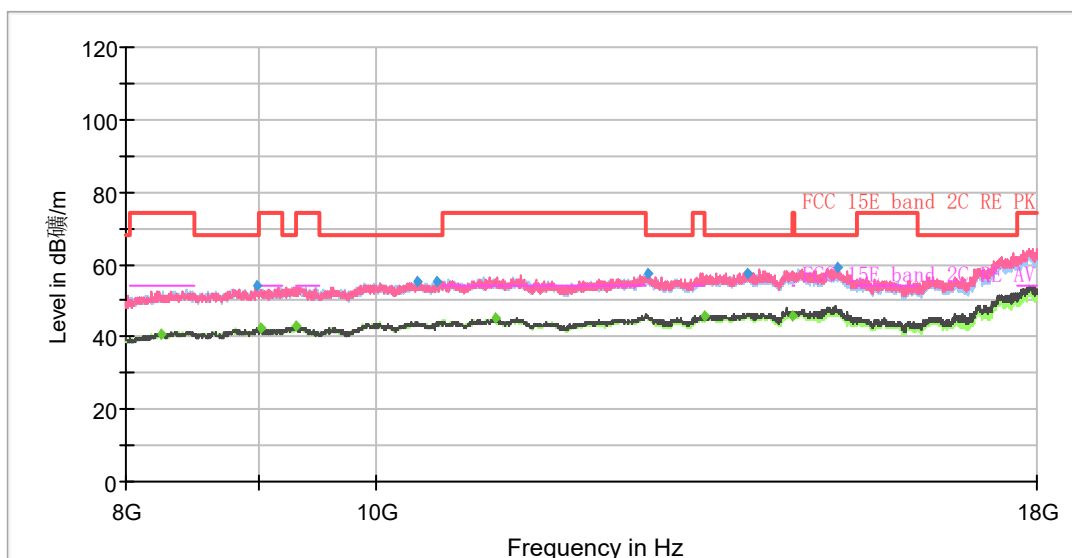
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT20) CH116



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



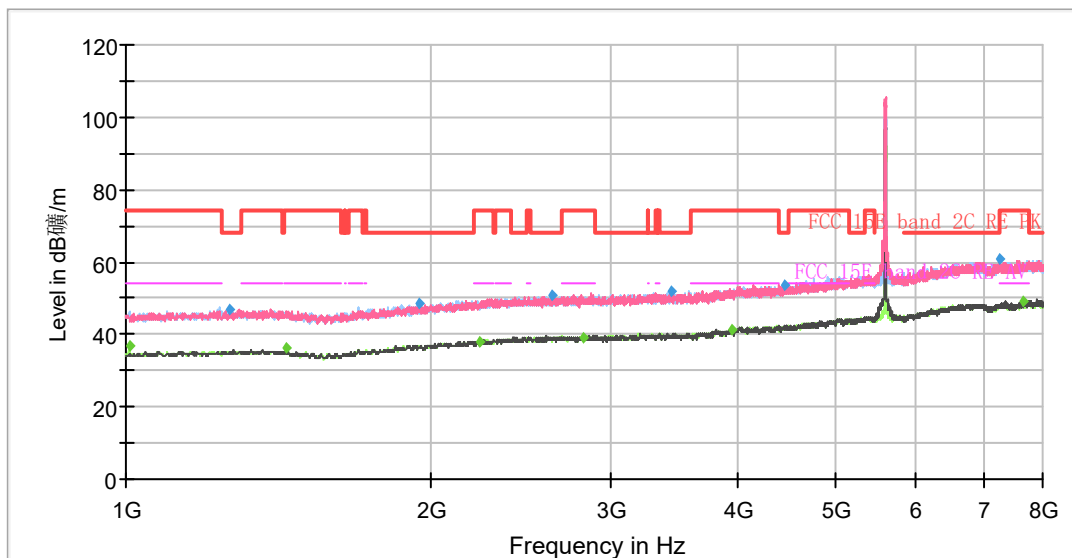
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1076.13	---	35.07	54.00	18.93	500.00	200.0	H	244.00	-10
1278.25	47.07	---	68.20	21.13	500.00	100.0	V	63.00	-9
1387.63	---	35.94	54.00	18.06	500.00	100.0	H	47.00	-8
1979.13	48.65	---	68.20	19.55	500.00	100.0	V	6.00	-7
2295.88	---	39.12	54.00	14.88	500.00	200.0	V	168.00	-6
2573.25	51.34	---	68.20	16.86	500.00	100.0	V	211.00	-5
2816.50	---	39.60	54.00	14.40	500.00	100.0	H	89.00	-5
3514.75	52.55	---	68.20	15.65	500.00	100.0	V	144.00	-3
3949.63	---	41.77	54.00	12.23	500.00	100.0	V	97.00	-1
5248.13	56.57	---	68.20	11.63	500.00	100.0	H	303.00	3
5355.75	---	45.54	54.00	8.46	500.00	200.0	V	135.00	4
6418.88	59.08	---	68.20	9.12	500.00	200.0	V	273.00	7
13380.00	---	45.67	54.00	8.33	500.00	100.0	V	56.00	7

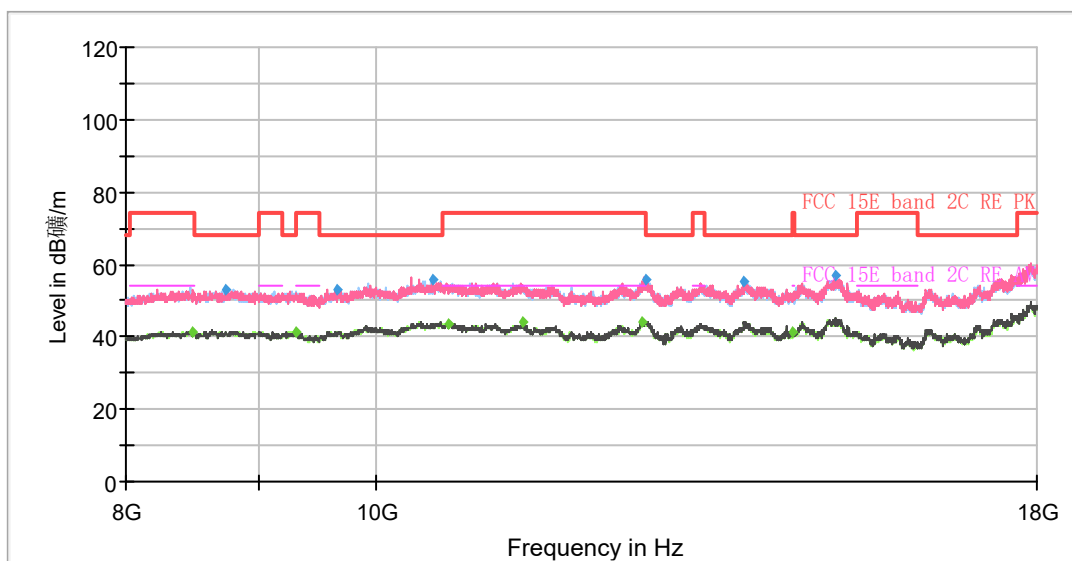
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT20) CH120



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



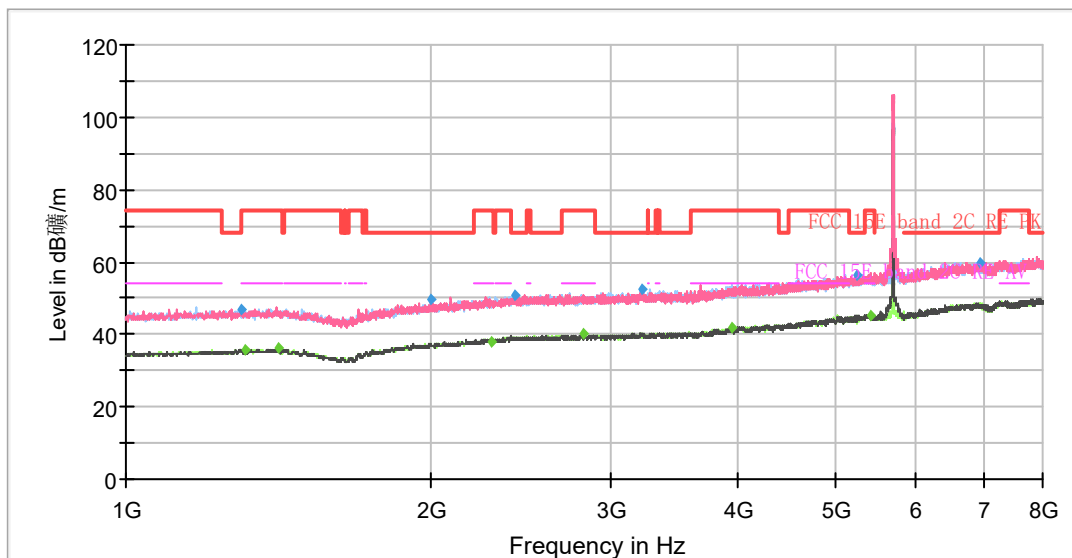
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1007.00	---	36.86	54.00	17.14	500.00	200.0	H	140.00	-10
1266.88	46.92	---	68.20	21.28	500.00	200.0	V	138.00	-9
1440.13	---	36.23	54.00	17.77	500.00	200.0	V	0.00	-8
1946.75	48.61	---	68.20	19.59	500.00	200.0	H	357.00	-7
2227.63	---	38.04	54.00	15.96	500.00	100.0	V	357.00	-6
2623.13	50.76	---	68.20	17.44	500.00	100.0	V	329.00	-5
2818.25	---	39.33	54.00	14.67	500.00	200.0	H	160.00	-5
3440.38	51.87	---	68.20	16.33	500.00	200.0	V	62.00	-3
3958.38	---	41.36	54.00	12.65	500.00	200.0	V	36.00	-1
4455.38	53.60	---	68.20	14.60	500.00	200.0	H	207.00	0
7246.63	60.75	---	68.20	7.45	500.00	200.0	V	205.00	9
7667.50	---	49.00	54.00	5.00	500.00	100.0	V	174.00	10

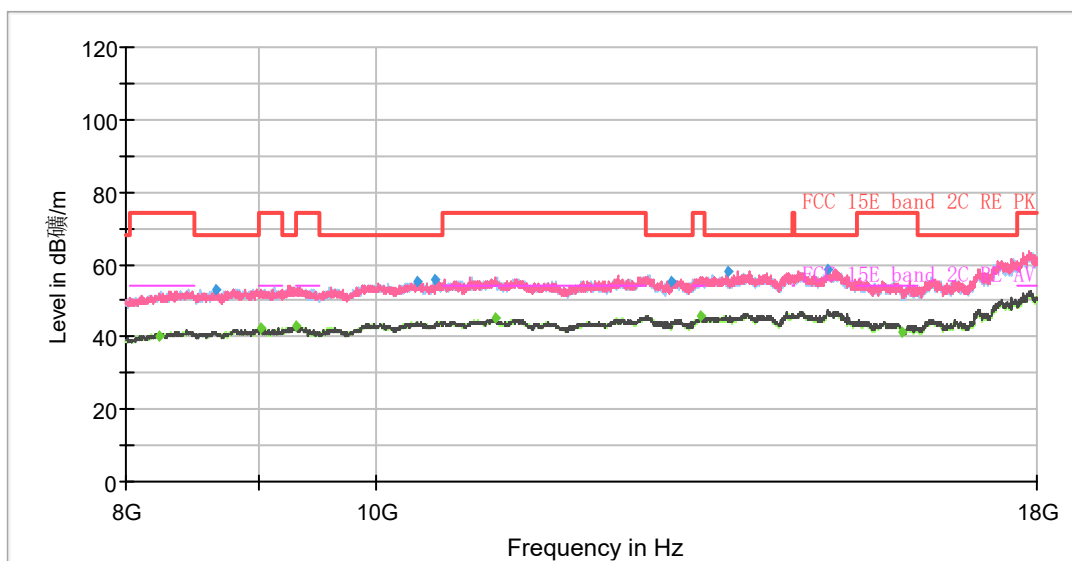
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT20) CH140



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



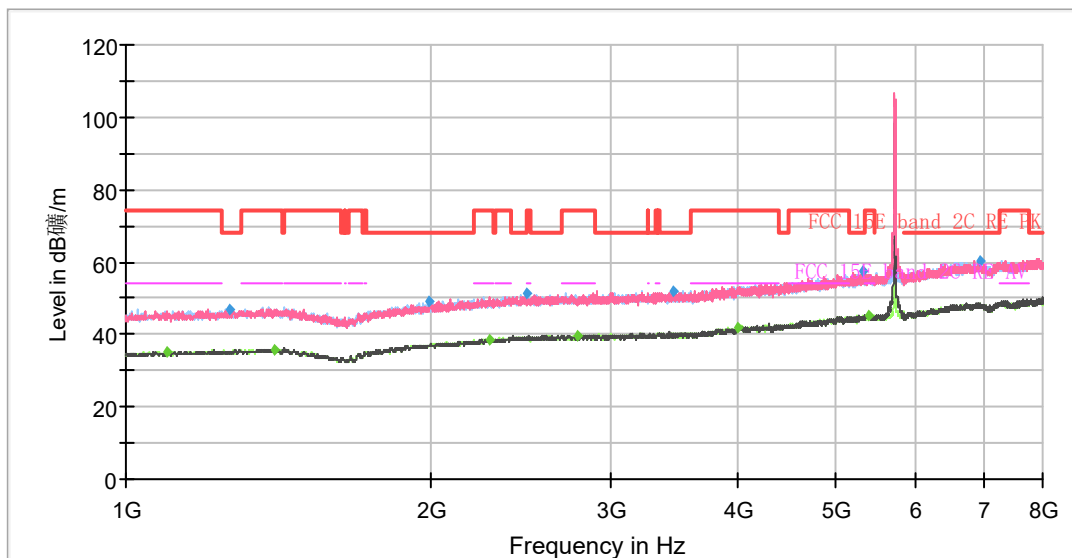
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1298.38	46.79	---	68.20	21.41	500.00	200.0	V	342.00	-9
1308.88	---	35.84	54.00	18.16	500.00	100.0	H	121.00	-9
1415.63	---	36.06	54.00	17.94	500.00	100.0	H	270.00	-8
1998.38	49.82	---	68.20	18.38	500.00	100.0	H	0.00	-7
2290.63	---	38.22	54.00	15.78	500.00	100.0	H	296.00	-6
2412.25	50.90	---	68.20	17.30	500.00	100.0	H	0.00	-5
2827.00	---	39.93	54.00	14.07	500.00	100.0	H	80.00	-5
3230.38	52.63	---	68.20	15.57	500.00	200.0	V	214.00	-4
3955.75	---	41.84	54.00	12.16	500.00	200.0	H	17.00	-1
5258.63	56.59	---	68.20	11.61	500.00	200.0	V	228.00	3
5413.50	---	45.34	54.00	8.66	500.00	200.0	V	288.00	4
6957.00	59.80	---	68.20	8.40	500.00	200.0	H	49.00	9

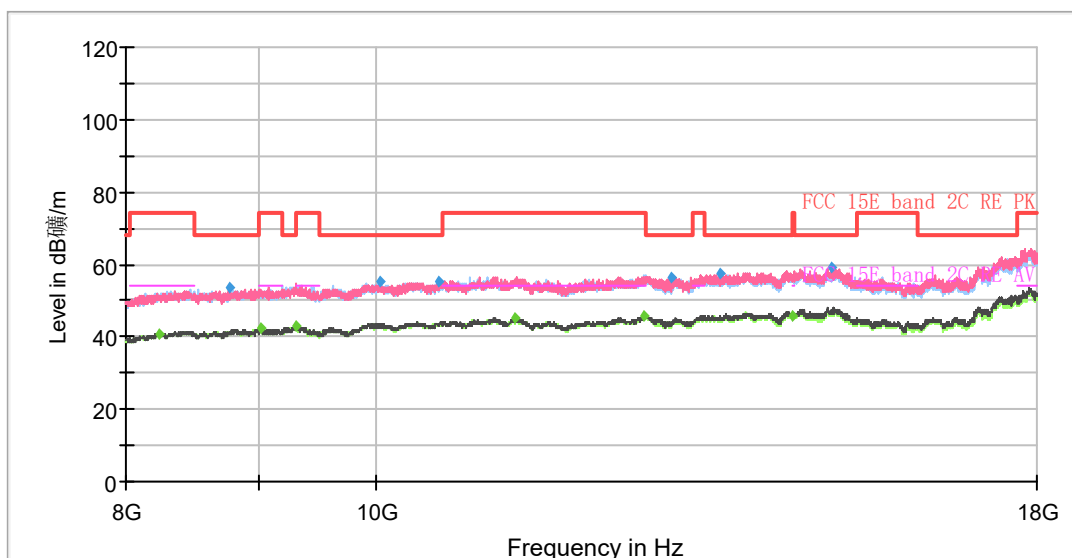
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT20) CH144



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



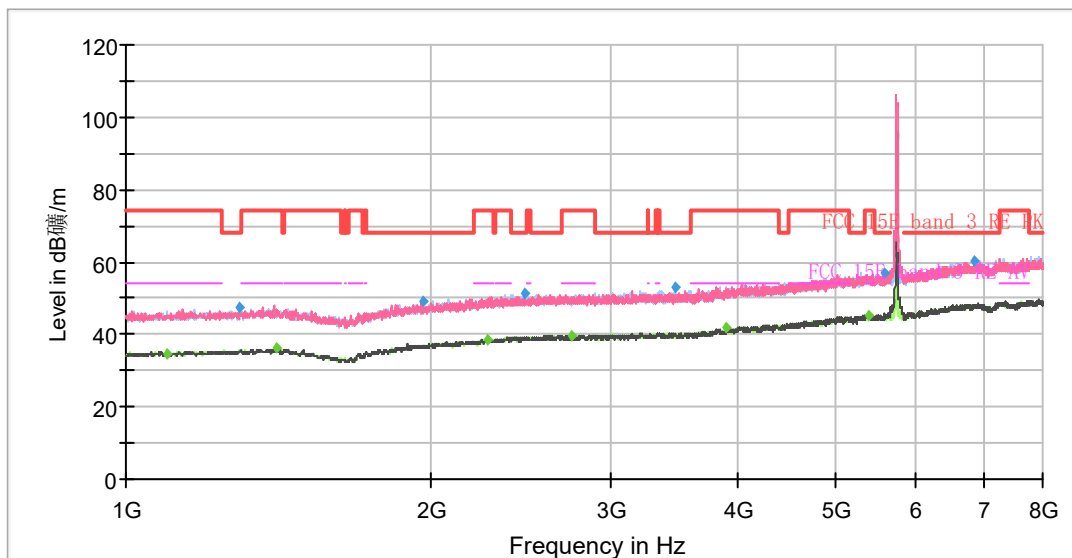
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1098.00	---	35.05	54.00	18.95	500.00	200.0	V	166.00	-10
1264.25	46.77	---	68.20	21.43	500.00	100.0	V	300.00	-9
1398.13	---	35.95	54.00	18.05	500.00	200.0	V	280.00	-8
1990.50	48.95	---	68.20	19.25	500.00	200.0	H	211.00	-7
2284.50	---	38.67	54.00	15.33	500.00	100.0	V	8.00	-6
2477.88	51.49	---	68.20	16.71	500.00	100.0	H	68.00	-5
2788.50	---	39.71	54.00	14.29	500.00	200.0	H	245.00	-5
3463.13	52.12	---	68.20	16.08	500.00	200.0	V	299.00	-3
3998.63	---	41.63	54.00	12.37	500.00	100.0	H	341.00	-1
5332.13	57.69	---	68.20	10.51	500.00	100.0	V	113.00	4
5384.63	---	45.24	54.00	8.76	500.00	100.0	V	26.00	4
6946.50	60.09	---	68.20	8.11	500.00	200.0	V	326.00	9
12687.50	---	45.97	54.00	8.03	500.00	200.0	V	277.00	7

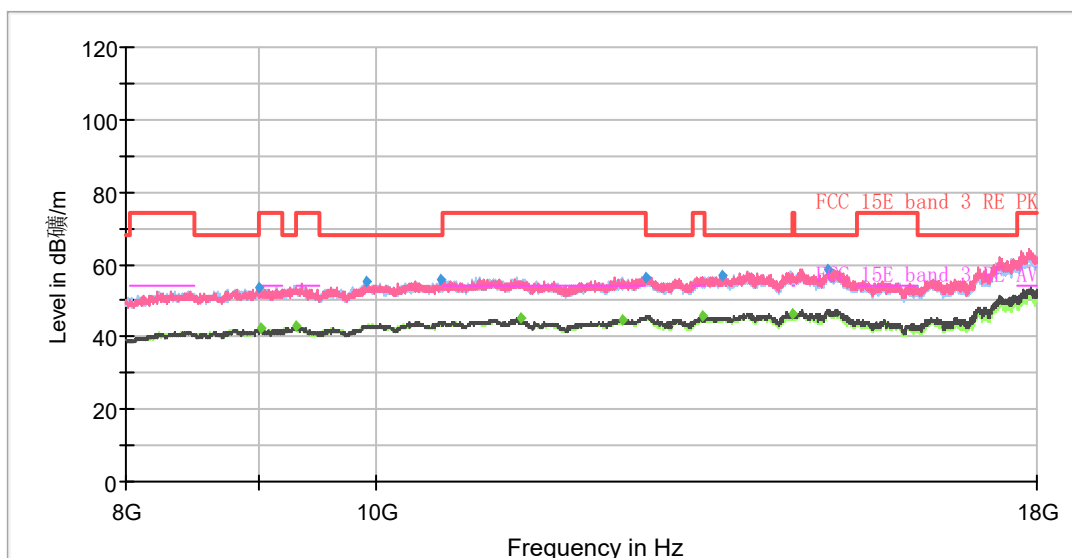
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT20) CH149



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



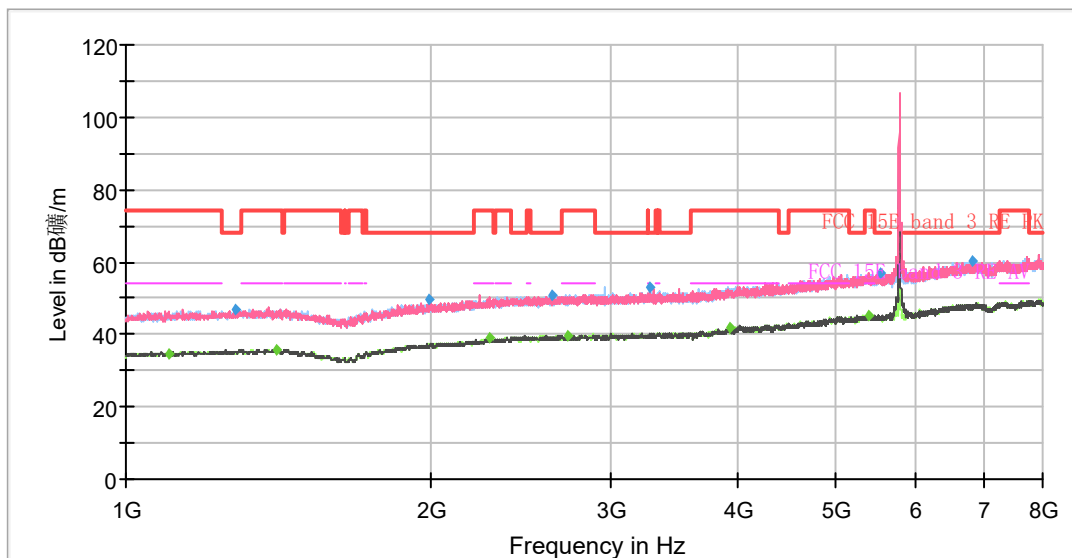
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1097.13	---	34.66	54.00	19.34	500.00	200.0	H	186.00	-10
1291.38	47.49	---	68.20	20.71	500.00	100.0	H	317.00	-9
1404.25	---	36.03	54.00	17.97	500.00	100.0	V	0.00	-8
1964.25	49.15	---	68.20	19.05	500.00	200.0	H	0.00	-7
2267.00	---	38.63	54.00	15.37	500.00	100.0	H	282.00	-6
2474.38	51.34	---	68.20	16.86	500.00	100.0	H	300.00	-5
2743.88	---	39.65	54.00	14.35	500.00	200.0	H	0.00	-5
3479.75	52.78	---	68.20	15.42	500.00	200.0	H	82.00	-3
3904.13	---	41.71	54.00	12.29	500.00	100.0	H	334.00	-2
5380.25	---	45.21	54.00	8.79	500.00	100.0	V	48.00	4
5592.00	56.67	---	68.20	11.53	500.00	200.0	V	265.00	4
6846.75	60.23	---	68.20	7.97	500.00	200.0	V	354.00	9
14475.00	---	46.13	54.00	7.87	500.00	100.0	V	220.00	9

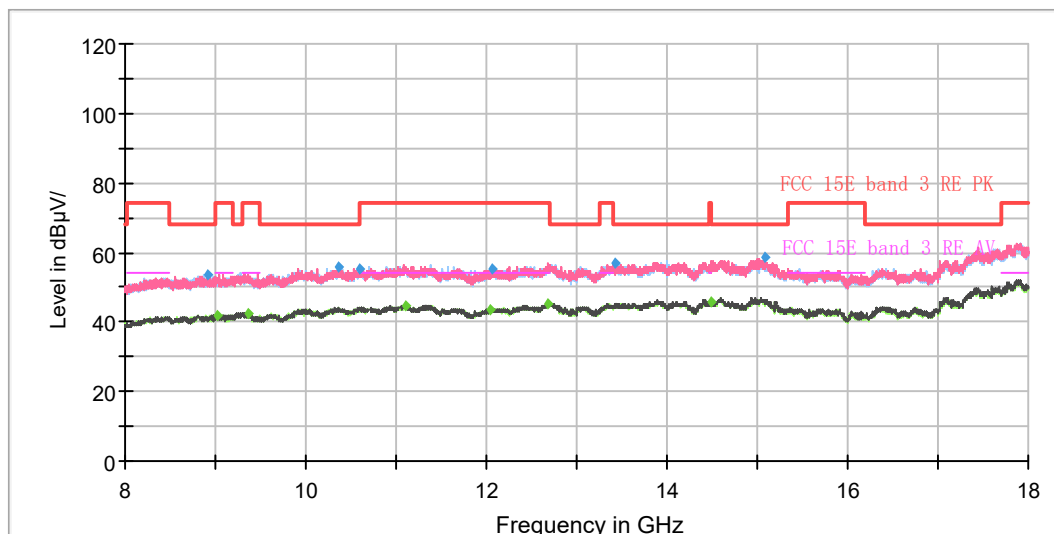
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT20) CH157



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



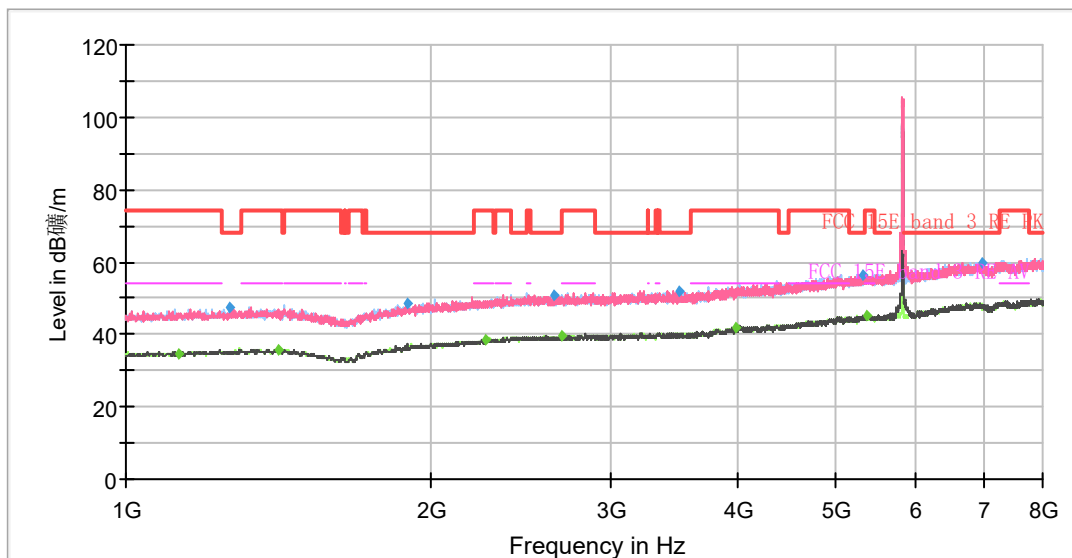
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1104.13	---	34.68	54.00	19.32	500.00	200.0	H	190.00	-10
1282.63	46.70	---	68.20	21.50	500.00	200.0	H	147.00	-9
1407.75	---	35.97	54.00	18.03	500.00	200.0	H	4.00	-8
1985.25	49.51	---	68.20	18.69	500.00	100.0	V	11.00	-7
2283.63	---	38.92	54.00	15.08	500.00	200.0	V	0.00	-6
2626.63	50.62	---	68.20	17.58	500.00	100.0	H	0.00	-5
2723.75	---	39.60	54.00	14.40	500.00	100.0	H	352.00	-5
3284.63	52.86	---	68.20	15.34	500.00	100.0	V	123.00	-4
3938.25	---	41.72	54.00	12.28	500.00	200.0	H	312.00	-1
5396.88	---	45.05	54.00	8.95	500.00	200.0	V	352.00	4
5536.00	57.08	---	68.20	11.12	500.00	200.0	V	264.00	4
6834.50	60.23	---	68.20	7.97	500.00	100.0	V	114.00	8
14483.75	---	45.66	54.00	8.34	500.00	100.0	V	0.00	9

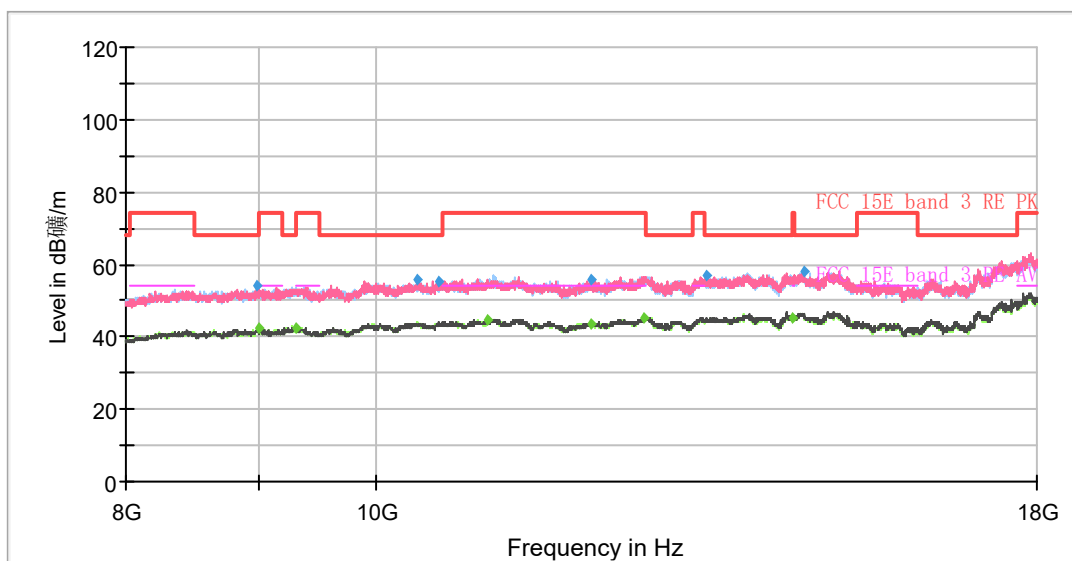
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT20) CH165



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



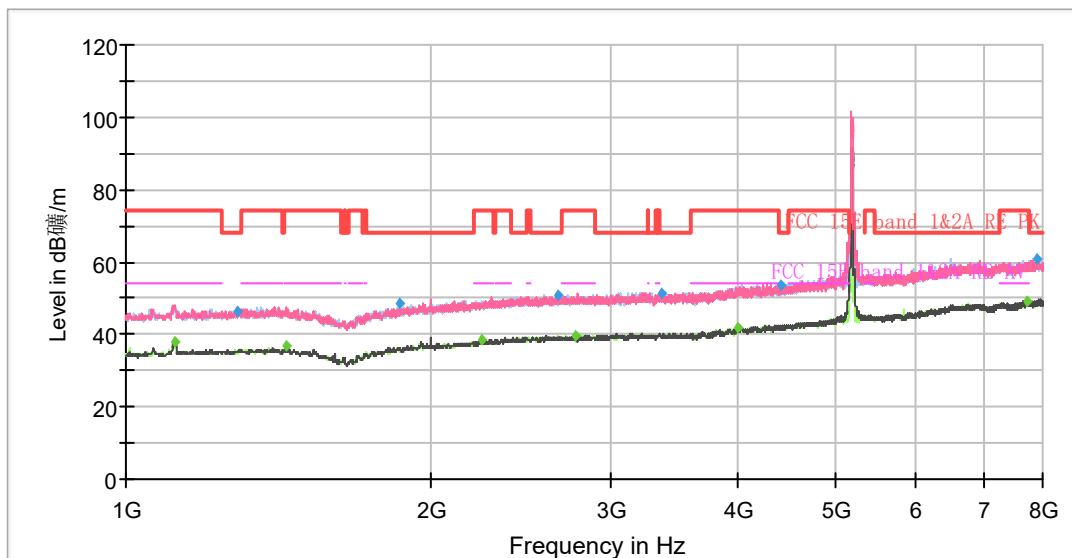
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1126.00	---	34.74	54.00	19.26	500.00	100.0	H	187.00	-10
1266.88	47.32	---	68.20	20.88	500.00	100.0	H	187.00	-9
1413.00	---	35.84	54.00	18.16	500.00	100.0	V	183.00	-8
1889.88	48.82	---	68.20	19.38	500.00	100.0	V	192.00	-7
2260.88	---	38.54	54.00	15.46	500.00	200.0	V	211.00	-6
2641.50	51.03	---	68.20	17.17	500.00	100.0	V	8.00	-5
2690.50	---	39.71	54.00	14.29	500.00	200.0	V	0.00	-5
3508.63	52.18	---	68.20	16.02	500.00	200.0	V	333.00	-3
3996.00	---	41.78	54.00	12.22	500.00	100.0	H	290.00	-1
5313.75	56.53	---	68.20	11.67	500.00	200.0	H	228.00	3
5356.63	---	45.24	54.00	8.76	500.00	200.0	V	333.00	4
6959.63	59.68	---	68.20	8.52	500.00	100.0	V	8.00	9
14483.75	---	45.43	54.00	8.57	500.00	100.0	V	91.00	9

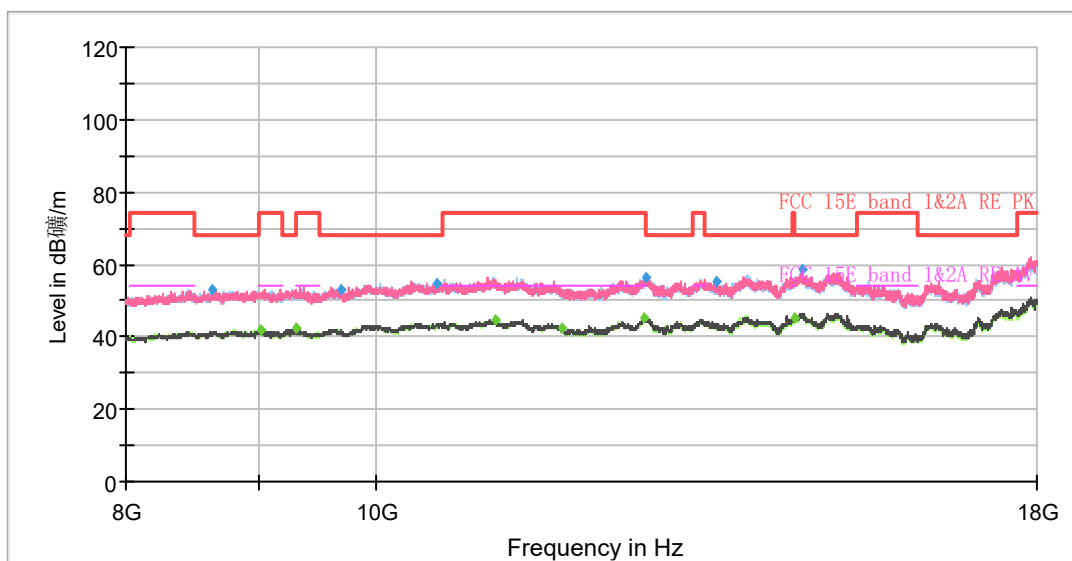
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT40) CH38



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



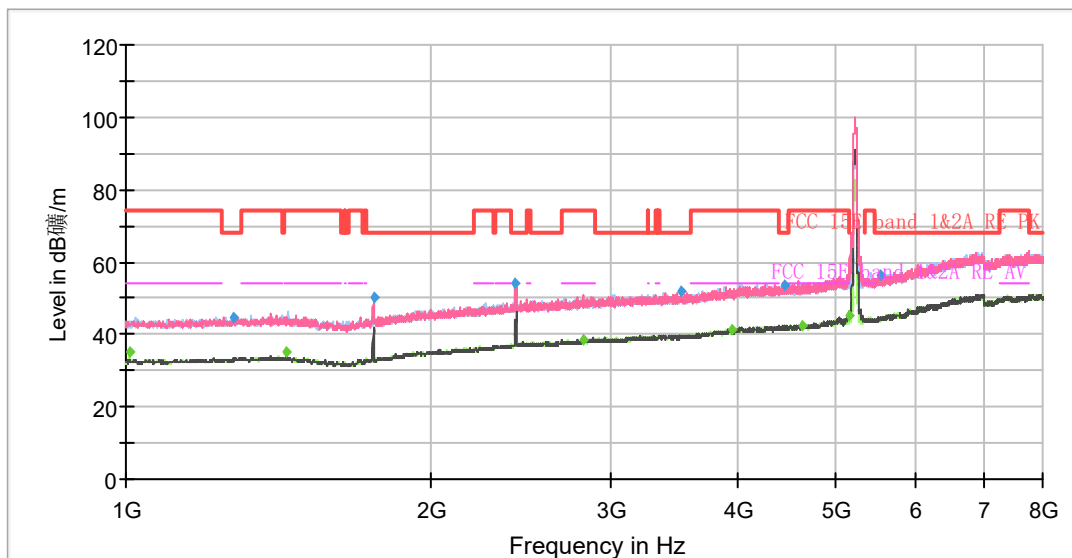
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1117.25	---	38.19	54.00	15.81	500.00	200.0	V	216.00	-10
1285.25	46.46	---	68.20	21.74	500.00	200.0	V	223.00	-9
1437.50	---	36.71	54.00	17.29	500.00	200.0	V	176.00	-8
1858.38	48.49	---	68.20	19.71	500.00	200.0	H	106.00	-7
2240.75	---	38.25	54.00	15.75	500.00	200.0	V	216.00	-6
2660.75	50.61	---	68.20	17.59	500.00	100.0	H	337.00	-5
2771.88	---	39.54	54.00	14.46	500.00	100.0	V	0.00	-5
3367.75	51.51	---	68.20	16.69	500.00	100.0	V	148.00	-3
3999.50	---	41.59	54.00	12.41	500.00	200.0	H	260.00	-1
4425.63	53.36	---	68.20	14.84	500.00	100.0	V	4.00	0
7730.50	---	49.10	54.00	4.90	500.00	100.0	V	0.00	10
7900.25	60.94	---	68.20	7.26	500.00	100.0	H	256.00	10

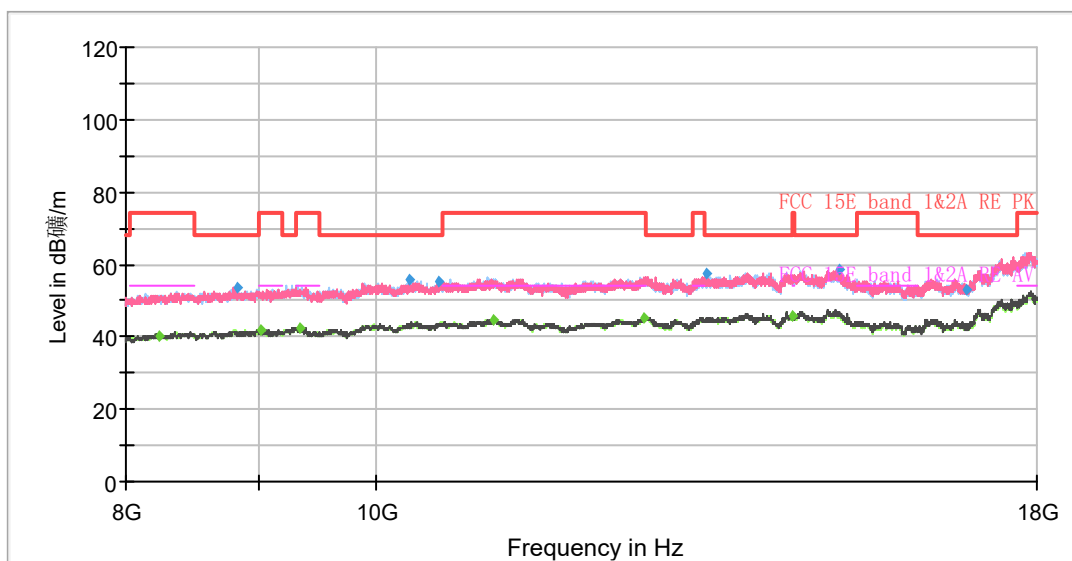
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT40) CH46



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



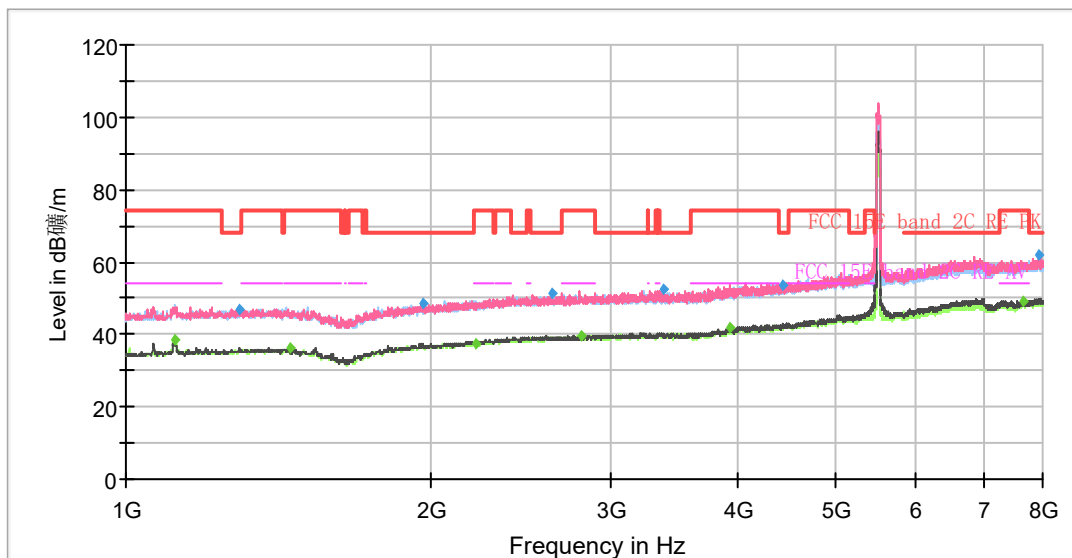
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1007.00	---	35.32	54.00	18.68	500.00	100.0	H	165.00	4
1276.50	44.74	---	68.20	23.46	500.00	200.0	V	134.00	5
1440.13	---	35.07	54.00	18.93	500.00	100.0	V	63.00	6
1756.00	50.02	---	68.20	18.18	500.00	100.0	V	123.00	7
2420.13	53.91	---	68.20	14.29	500.00	200.0	V	302.00	9
2822.63	---	38.52	54.00	15.48	500.00	100.0	H	292.00	10
3517.38	51.86	---	68.20	16.34	500.00	100.0	V	184.00	11
3957.50	---	41.33	54.00	12.67	500.00	200.0	V	39.00	13
4450.13	53.30	---	68.20	14.90	500.00	200.0	V	347.00	14
4631.25	---	42.56	54.00	11.44	500.00	100.0	V	224.00	14
5148.38	---	44.97	54.00	9.03	500.00	200.0	V	39.00	16
5532.50	56.60	---	68.20	11.60	500.00	100.0	H	138.00	16
14491.25	---	45.94	54.00	8.06	500.00	100.0	H	34.00	9

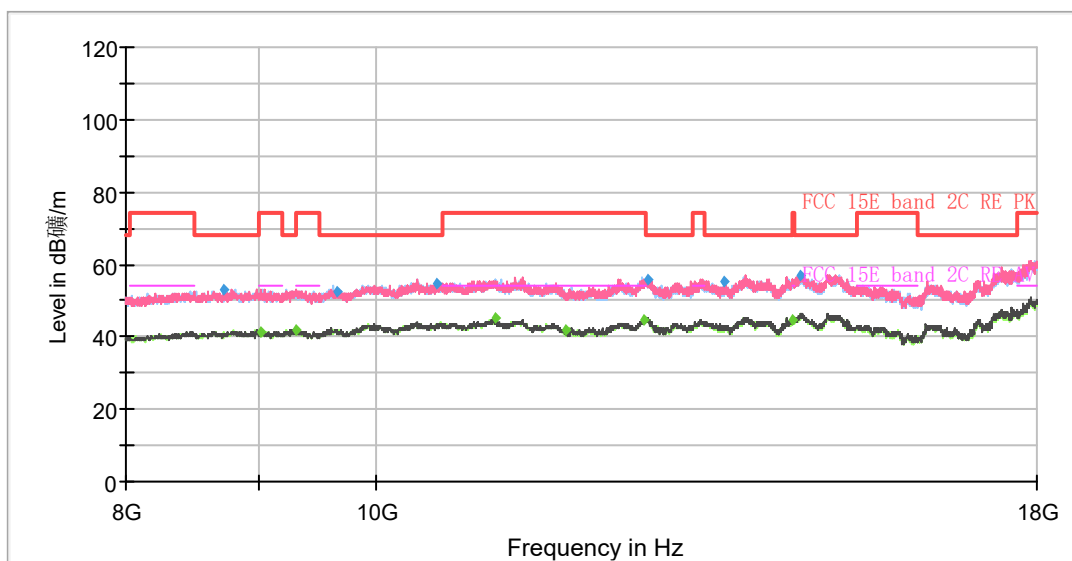
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT40) CH102



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



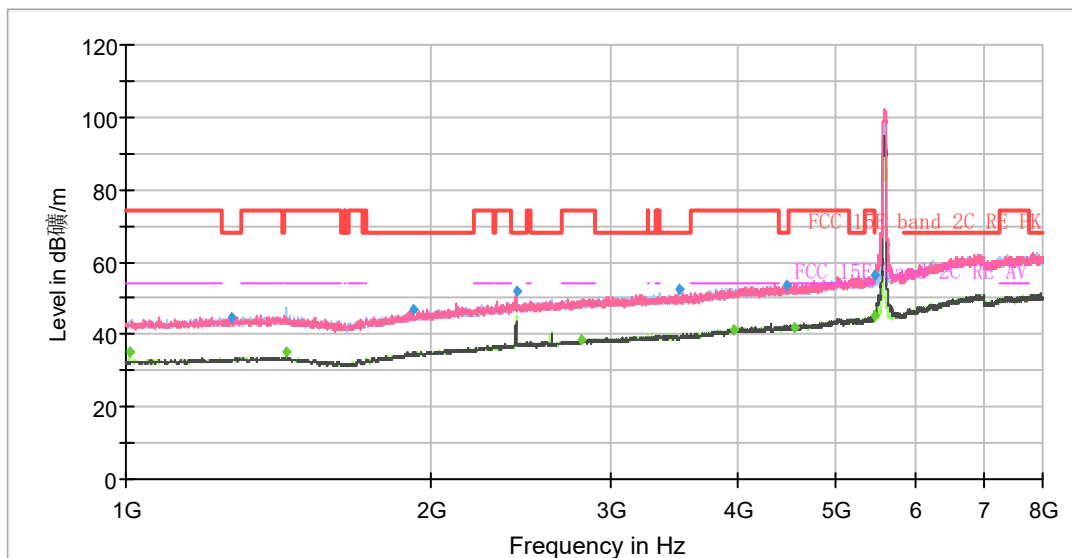
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1116.38	---	38.54	54.00	15.46	500.00	200.0	V	216.00	-10
1294.00	47.13	---	68.20	21.07	500.00	200.0	V	209.00	-9
1449.75	---	36.26	54.00	17.74	500.00	100.0	V	0.00	-8
1959.88	48.66	---	68.20	19.54	500.00	100.0	H	46.00	-7
2216.25	---	37.64	54.00	16.36	500.00	100.0	V	252.00	-6
2629.25	51.18	---	68.20	17.02	500.00	100.0	H	352.00	-5
2806.00	---	39.59	54.00	14.41	500.00	100.0	H	348.00	-5
3382.63	52.49	---	68.20	15.71	500.00	200.0	V	176.00	-4
3933.00	---	41.65	54.00	12.35	500.00	200.0	V	298.00	-1
4443.13	53.33	---	68.20	14.87	500.00	200.0	V	128.00	0
7659.63	---	49.26	54.00	4.74	500.00	100.0	V	16.00	10
7933.50	61.83	---	68.20	6.37	500.00	100.0	V	89.00	10

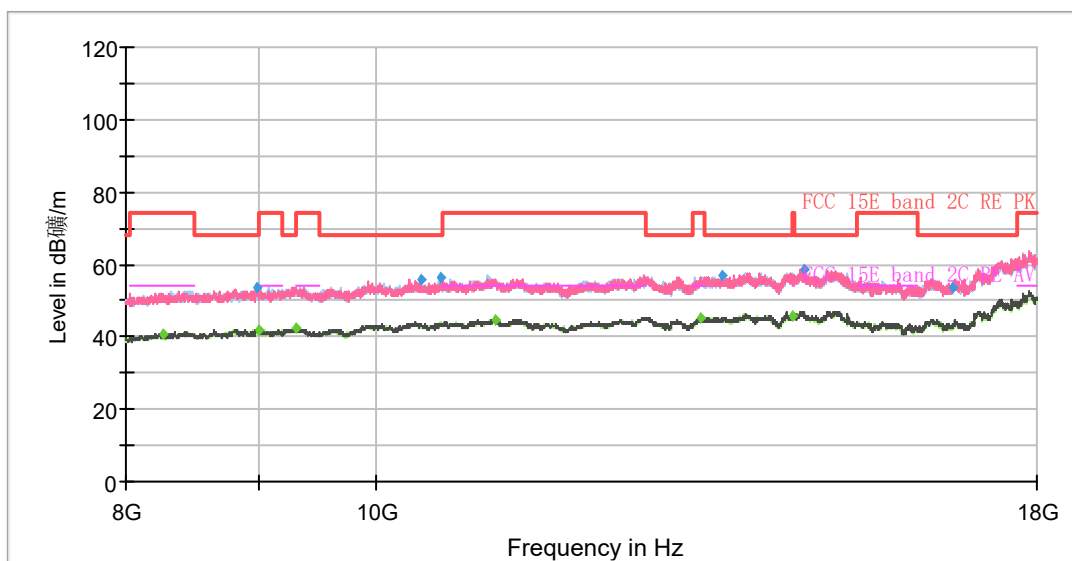
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT40) CH118



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



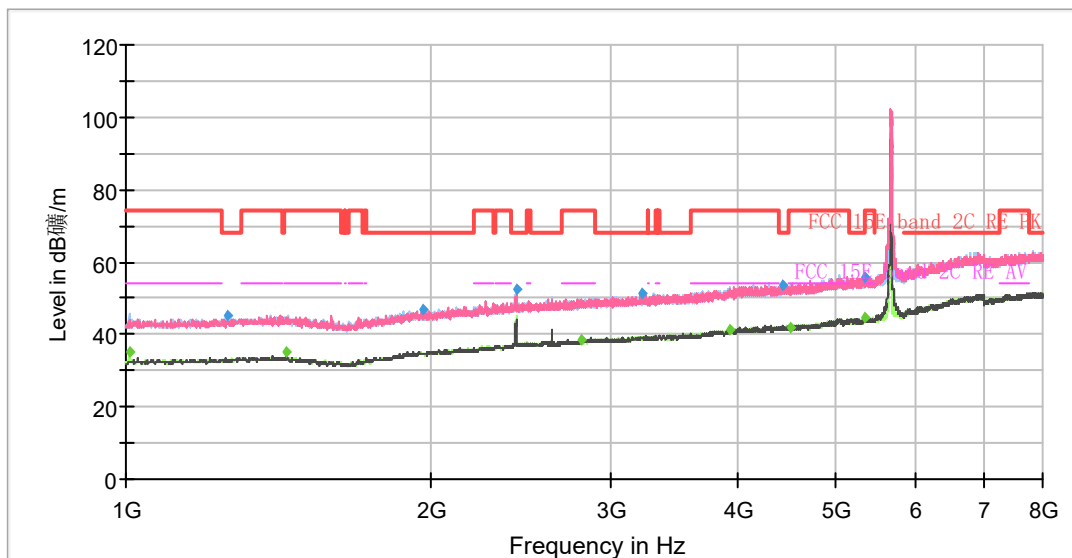
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1007.00	---	35.21	54.00	18.79	500.00	200.0	H	99.00	4
1270.38	44.54	---	68.20	23.66	500.00	100.0	V	53.00	5
1440.13	---	35.09	54.00	18.91	500.00	100.0	V	60.00	6
1915.25	47.08	---	68.20	21.12	500.00	100.0	H	264.00	7
2426.25	51.64	---	68.20	16.56	500.00	200.0	H	258.00	9
2809.50	---	38.43	54.00	15.57	500.00	100.0	V	141.00	10
3499.88	52.31	---	68.20	15.89	500.00	100.0	H	318.00	11
3964.50	---	41.37	54.00	12.63	500.00	100.0	V	161.00	13
4469.38	53.51	---	68.20	14.69	500.00	200.0	V	270.00	14
4552.50	---	41.83	54.00	12.17	500.00	200.0	H	217.00	14
5456.38	---	44.97	54.00	9.03	500.00	200.0	V	53.00	16
5465.13	56.30	---	68.20	11.90	500.00	200.0	V	277.00	16
14478.75	---	45.63	54.00	8.37	500.00	100.0	V	1.00	9

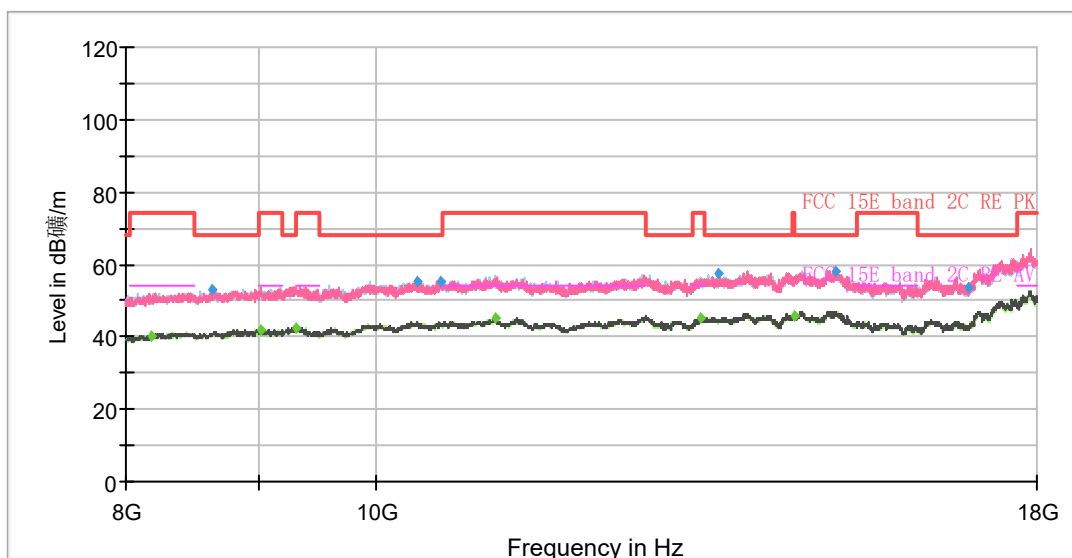
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT40) CH134



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



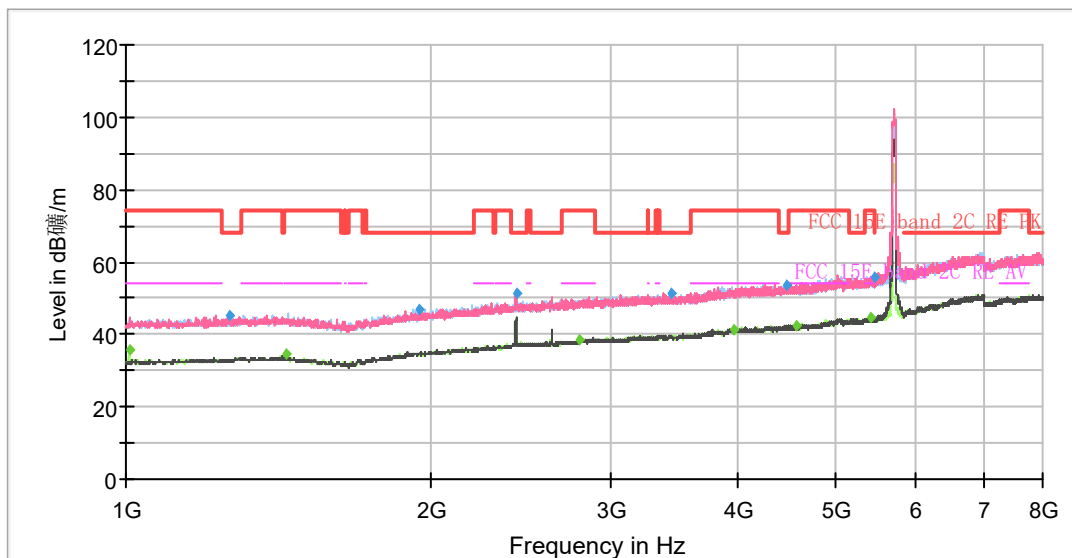
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1007.00	---	35.25	54.00	18.75	500.00	100.0	H	159.00	4
1260.75	45.20	---	68.20	23.00	500.00	200.0	H	74.00	5
1440.13	---	35.31	54.00	18.69	500.00	100.0	V	59.00	6
1958.13	46.62	---	68.20	21.58	500.00	200.0	V	248.00	7
2421.88	52.29	---	68.20	15.91	500.00	100.0	H	173.00	9
2811.25	---	38.45	54.00	15.55	500.00	100.0	V	10.00	10
3221.63	51.15	---	68.20	17.05	500.00	200.0	V	268.00	11
3933.00	---	41.35	54.00	12.65	500.00	200.0	V	288.00	13
4443.13	53.32	---	68.20	14.88	500.00	100.0	H	286.00	14
4514.00	---	41.71	54.00	12.29	500.00	200.0	H	296.00	14
5335.63	55.89	---	68.20	12.31	500.00	200.0	V	334.00	16
5354.88	---	44.48	54.00	9.52	500.00	200.0	V	107.00	16
14495.00	---	45.93	54.00	8.07	500.00	200.0	V	185.00	9

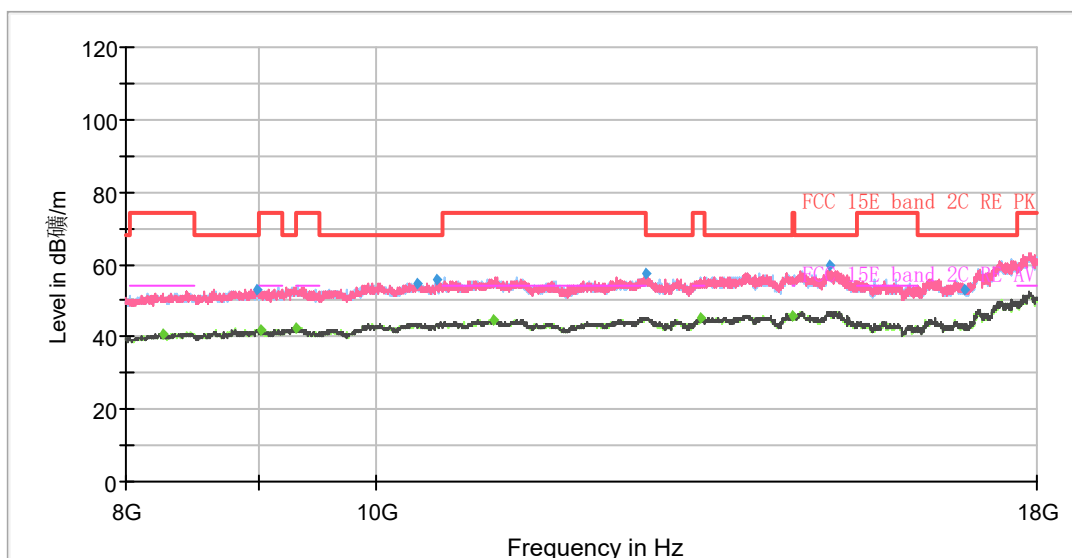
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT40) CH142



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



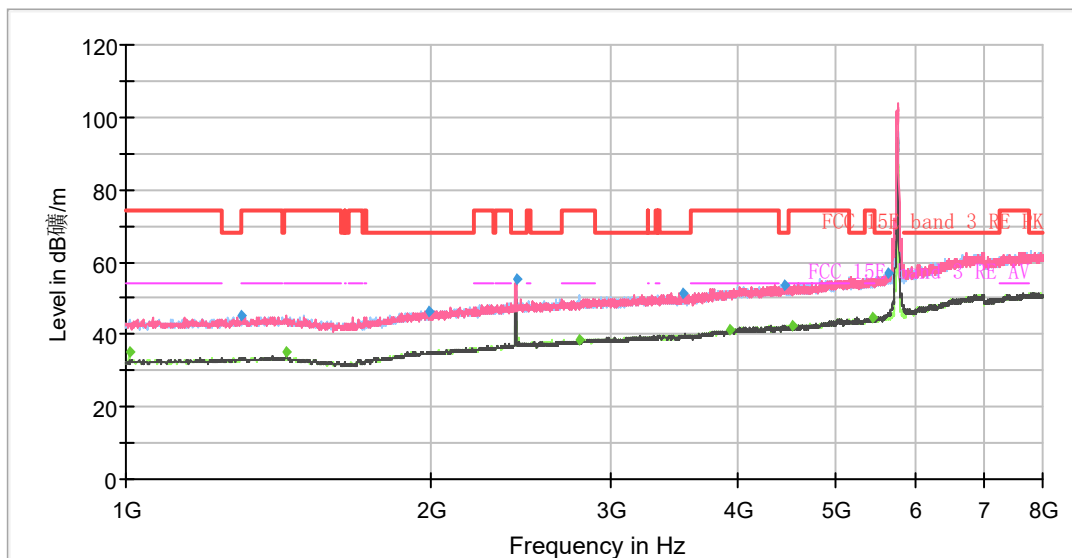
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1007.00	---	35.60	54.00	18.40	500.00	200.0	H	135.00	4
1264.25	45.19	---	68.20	23.01	500.00	200.0	H	88.00	5
1440.13	---	34.47	54.00	19.53	500.00	100.0	V	67.00	6
1941.50	46.93	---	68.20	21.27	500.00	100.0	H	101.00	7
2423.63	51.61	---	68.20	16.59	500.00	100.0	V	20.00	9
2792.88	---	38.60	54.00	15.40	500.00	200.0	H	34.00	10
3452.63	51.24	---	68.20	16.96	500.00	200.0	V	347.00	12
3962.75	---	41.38	54.00	12.62	500.00	200.0	V	0.00	13
4466.75	53.46	---	68.20	14.74	500.00	100.0	H	81.00	14
4567.38	---	42.47	54.00	11.53	500.00	100.0	V	0.00	14
5416.13	---	44.45	54.00	9.55	500.00	200.0	V	150.00	16
5468.63	55.82	---	68.20	12.38	500.00	100.0	V	2.00	16
14487.50	---	45.69	54.00	8.31	500.00	200.0	H	35.00	9

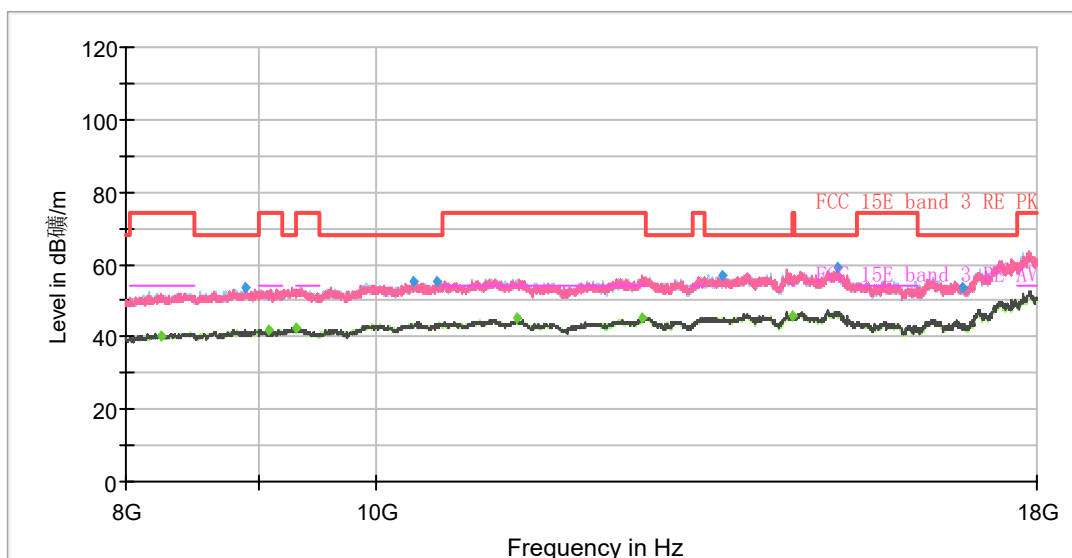
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT40) CH151



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



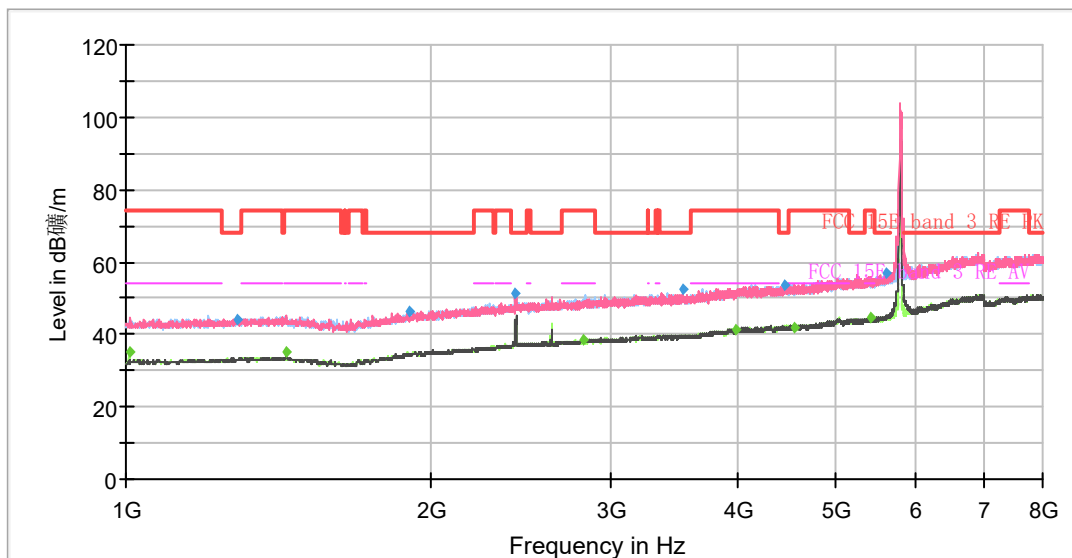
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1007.00	---	35.39	54.00	18.61	500.00	200.0	H	150.00	4
1298.38	44.99	---	68.20	23.21	500.00	100.0	H	244.00	6
1440.13	---	35.13	54.00	18.87	500.00	100.0	V	35.00	6
1987.00	46.41	---	68.20	21.79	500.00	200.0	V	355.00	7
2423.63	55.47	---	68.20	12.73	500.00	200.0	V	214.00	9
2799.88	---	38.44	54.00	15.56	500.00	200.0	V	93.00	10
3541.00	51.58	---	68.20	16.62	500.00	200.0	H	132.00	12
3929.50	---	41.50	54.00	12.50	500.00	200.0	H	0.00	13
4450.13	53.39	---	68.20	14.81	500.00	100.0	H	296.00	14
4542.00	---	42.32	54.00	11.68	500.00	100.0	H	115.00	14
5435.38	---	44.44	54.00	9.56	500.00	100.0	V	12.00	16
5640.13	57.10	---	68.20	11.10	500.00	100.0	H	336.00	17
14480.00	---	45.64	54.00	8.36	500.00	100.0	V	256.00	9

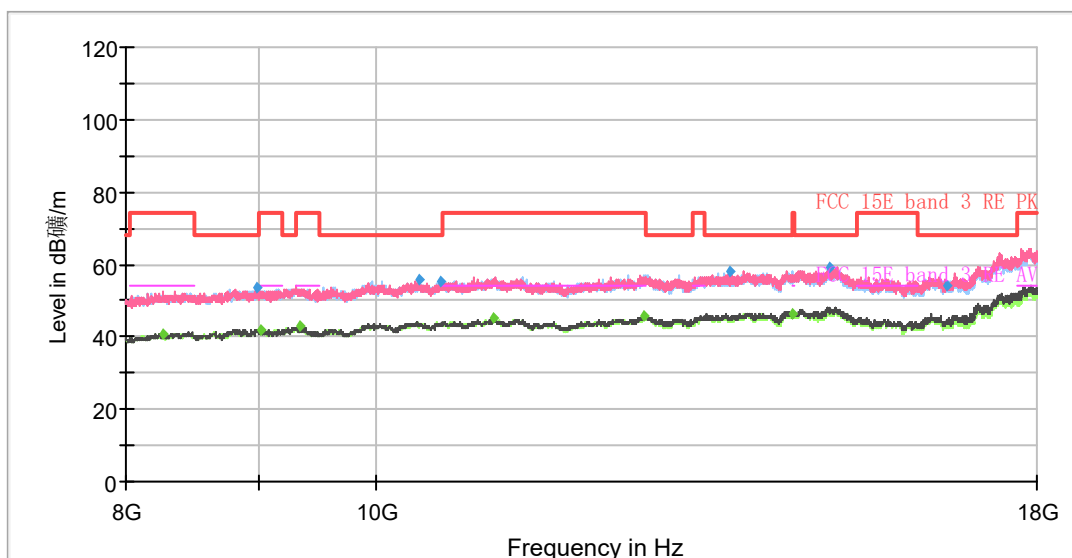
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11n (HT40) CH159



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



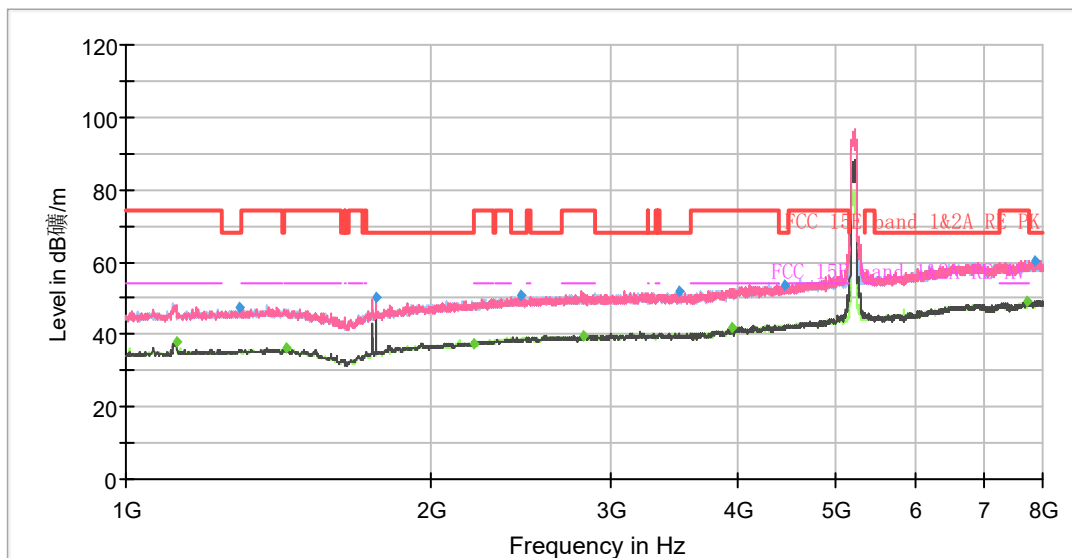
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1007.00	---	34.93	54.00	19.07	500.00	200.0	H	147.00	4
1288.75	44.32	---	68.20	23.88	500.00	200.0	V	256.00	6
1440.13	---	35.15	54.00	18.85	500.00	200.0	V	315.00	6
1901.25	46.36	---	68.20	21.84	500.00	200.0	V	289.00	7
2421.00	51.30	---	68.20	16.90	500.00	100.0	H	0.00	9
2817.38	---	38.38	54.00	15.62	500.00	100.0	V	248.00	10
3542.75	52.20	---	68.20	16.00	500.00	200.0	V	0.00	12
3996.00	---	41.27	54.00	12.73	500.00	200.0	H	50.00	13
4455.38	53.61	---	68.20	14.59	500.00	200.0	V	194.00	14
4563.00	---	41.84	54.00	12.16	500.00	200.0	H	59.00	14
5410.00	---	44.43	54.00	9.57	500.00	100.0	H	359.00	16
5622.63	57.03	---	68.20	11.17	500.00	200.0	V	117.00	17
14486.25	---	46.38	54.00	7.62	500.00	100.0	V	77.00	9

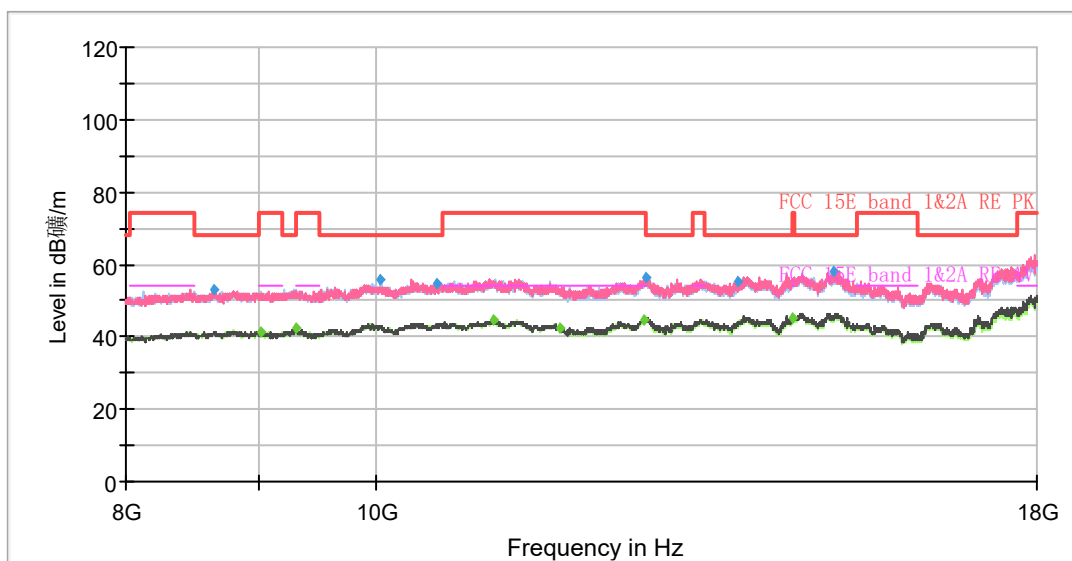
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11ac (VHT80) CH42



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



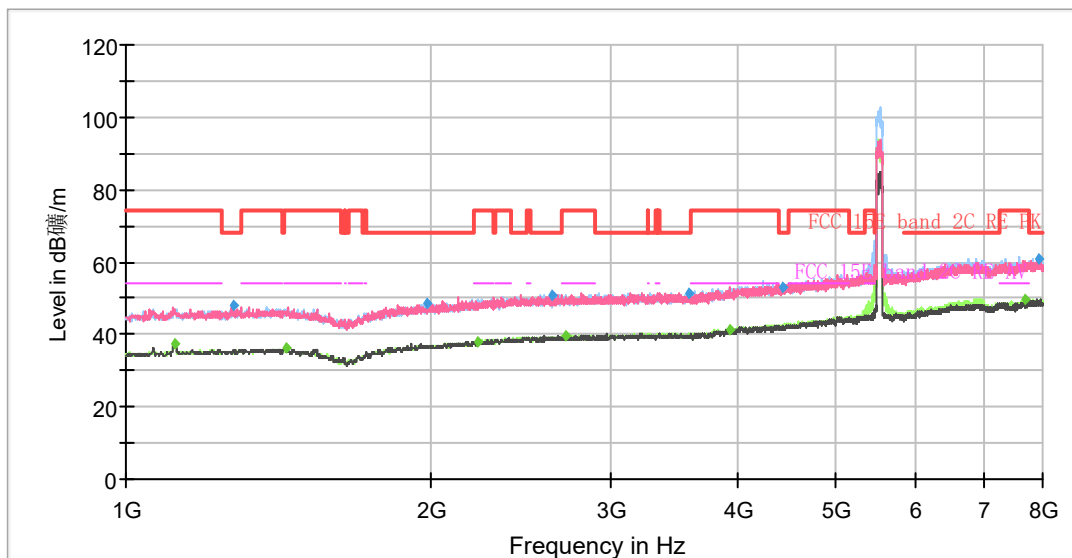
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1120.75	---	38.22	54.00	15.78	500.00	200.0	V	210.00	-10
1294.88	47.21	---	68.20	20.99	500.00	200.0	H	76.00	-9
1435.75	---	36.11	54.00	17.89	500.00	100.0	V	16.00	-8
1763.00	50.50	---	68.20	17.70	500.00	100.0	V	6.00	-8
2204.88	---	37.50	54.00	16.50	500.00	100.0	H	244.00	-6
2452.50	50.81	---	68.20	17.39	500.00	100.0	H	203.00	-5
2820.88	---	39.43	54.00	14.57	500.00	200.0	H	9.00	-5
3505.13	51.96	---	68.20	16.24	500.00	200.0	V	327.00	-3
3953.13	---	41.65	54.00	12.35	500.00	100.0	V	4.00	-1
4449.25	53.83	---	68.20	14.37	500.00	100.0	V	4.00	0
7736.63	---	49.20	54.00	4.80	500.00	100.0	V	34.00	10
7862.63	60.45	---	68.20	7.75	500.00	100.0	V	147.00	10

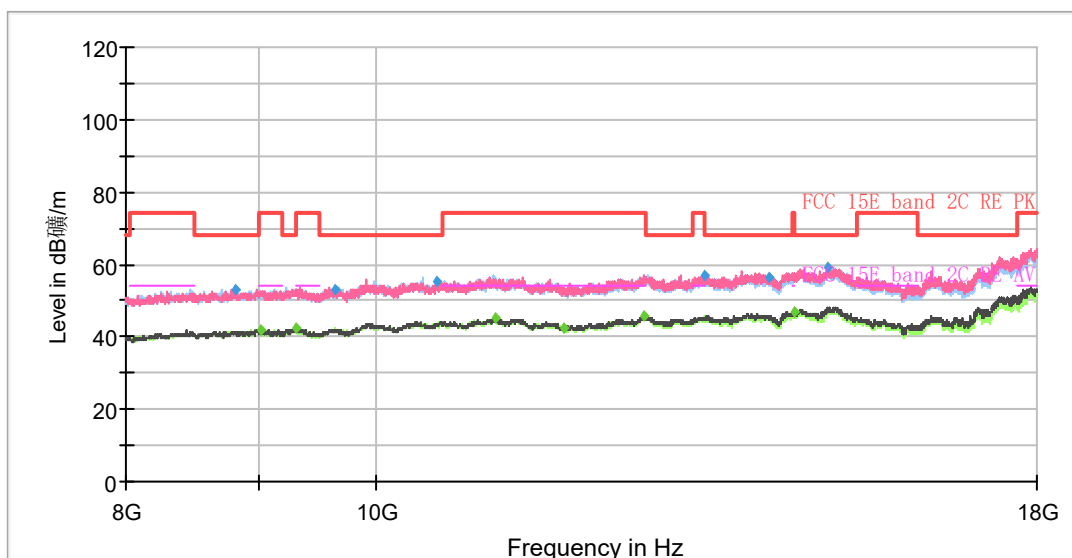
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11ac (VHT80) CH106



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



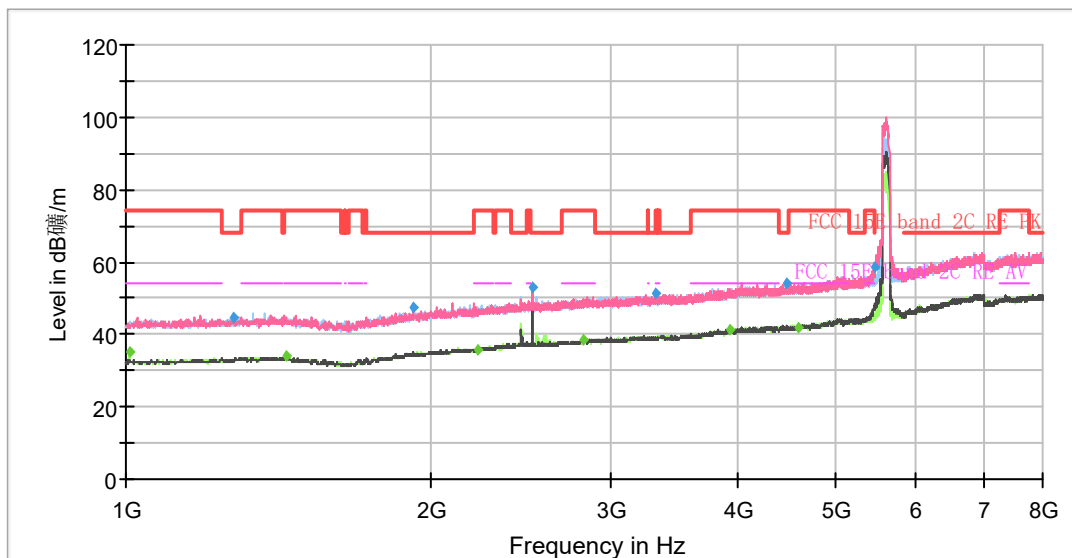
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1117.25	---	37.56	54.00	16.44	500.00	100.0	H	136.00	-10
1273.88	47.79	---	68.20	20.41	500.00	100.0	V	260.00	-9
1440.13	---	36.10	54.00	17.90	500.00	200.0	H	63.00	-8
1978.25	48.61	---	68.20	19.59	500.00	200.0	V	223.00	-7
2220.63	---	38.08	54.00	15.92	500.00	200.0	H	2.00	-6
2631.88	51.01	---	68.20	17.19	500.00	200.0	V	351.00	-5
2715.00	---	39.64	54.00	14.36	500.00	200.0	V	236.00	-5
3584.75	51.62	---	68.20	16.58	500.00	200.0	H	0.00	-3
3934.75	---	41.57	54.00	12.43	500.00	200.0	H	30.00	-1
4434.38	53.24	---	68.20	14.96	500.00	100.0	H	345.00	0
7673.63	---	49.52	54.00	4.48	500.00	200.0	H	70.00	10
7942.25	61.02	---	68.20	7.18	500.00	200.0	H	44.00	10

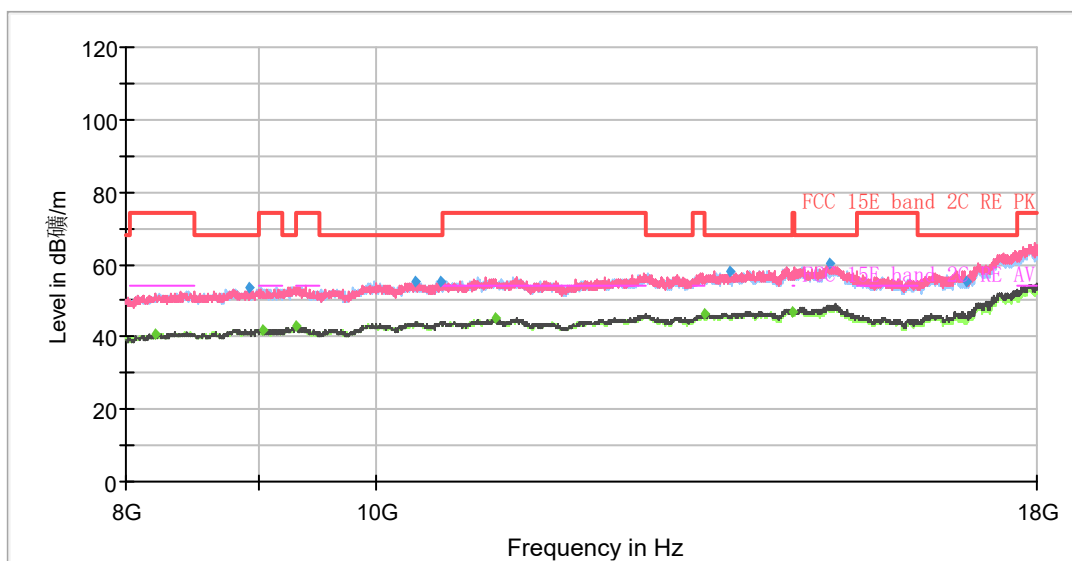
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11ac (VHT80) CH122



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



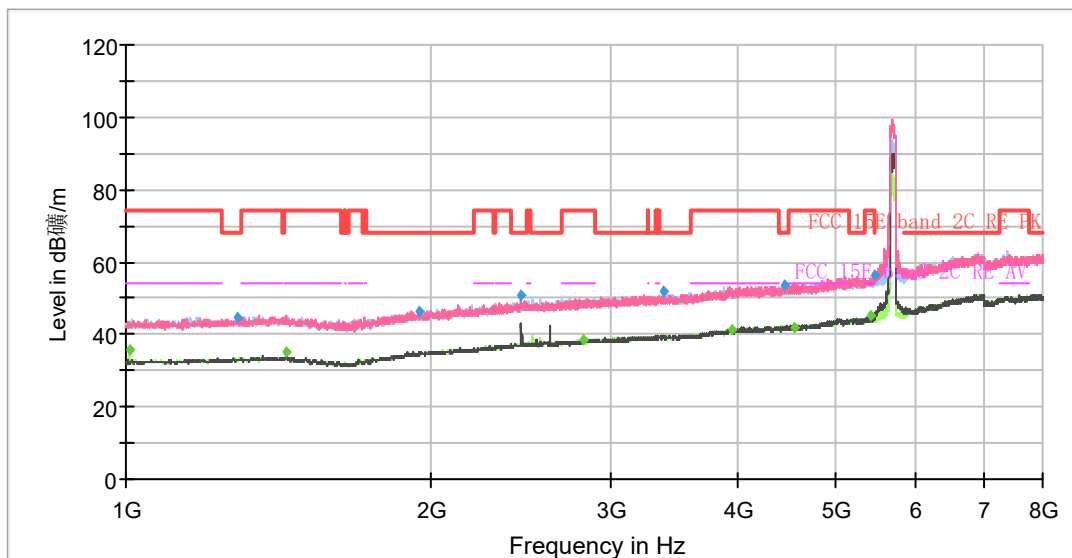
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1007.00	---	35.06	54.00	18.94	500.00	100.0	H	350.00	4
1275.63	44.90	---	68.20	23.30	500.00	100.0	H	309.00	5
1440.13	---	34.19	54.00	19.81	500.00	200.0	V	314.00	6
1920.50	47.21	---	68.20	20.99	500.00	100.0	V	286.00	7
2225.00	---	35.80	54.00	18.20	500.00	200.0	H	173.00	8
2518.13	53.25	---	68.20	14.95	500.00	200.0	V	194.00	10
2816.50	---	38.56	54.00	15.44	500.00	100.0	V	342.00	10
3325.75	51.31	---	68.20	16.89	500.00	200.0	H	10.00	11
3942.63	---	41.37	54.00	12.63	500.00	200.0	V	221.00	13
4475.50	54.24	---	68.20	13.96	500.00	100.0	H	60.00	14
4586.63	---	42.09	54.00	11.91	500.00	100.0	H	276.00	14
5468.63	58.67	---	68.20	9.53	500.00	200.0	V	288.00	16
14490.00	---	46.88	54.00	7.12	500.00	100.0	V	187.00	9

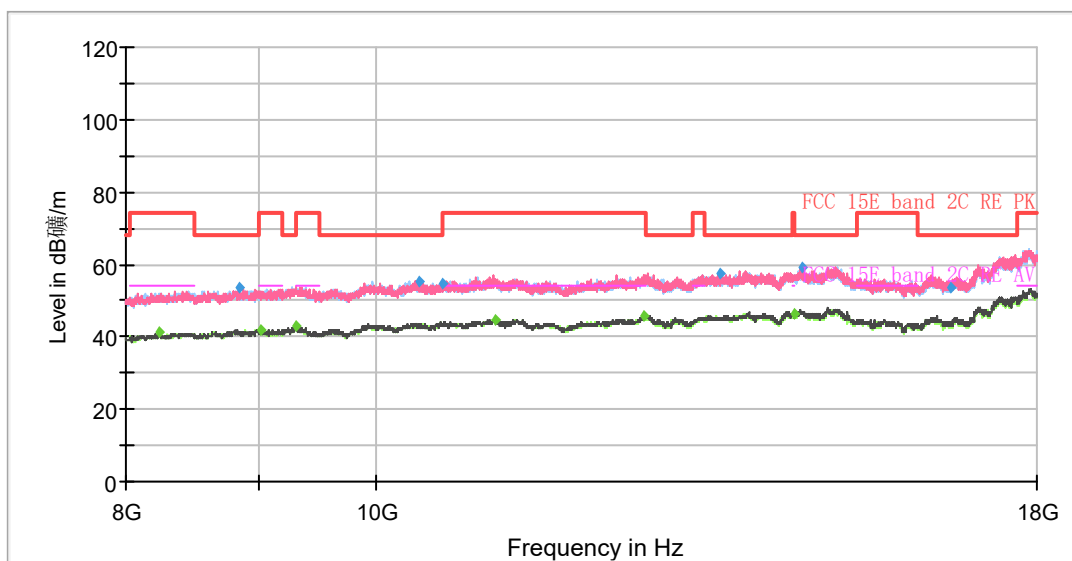
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11ac (VHT80) CH138



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



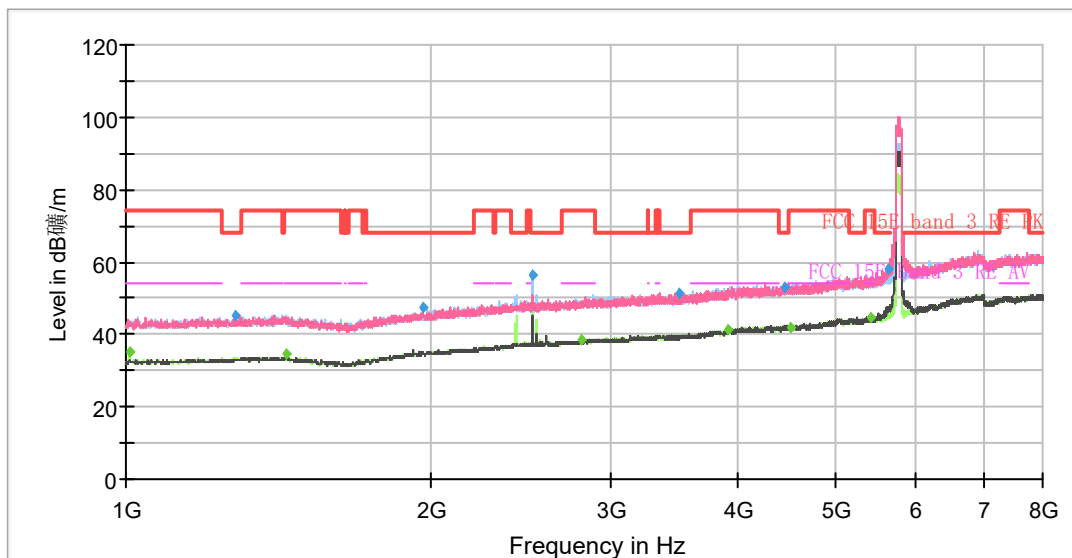
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1007.00	---	35.76	54.00	18.24	500.00	100.0	H	160.00	4
1287.88	44.48	---	68.20	23.72	500.00	200.0	V	291.00	6
1440.13	---	35.08	54.00	18.92	500.00	100.0	V	67.00	6
1945.88	46.44	---	68.20	21.76	500.00	200.0	V	327.00	7
2450.75	50.87	---	68.20	17.33	500.00	100.0	V	314.00	9
2827.88	---	38.50	54.00	15.50	500.00	200.0	V	271.00	10
3380.00	51.87	---	68.20	16.33	500.00	200.0	H	3.00	11
3944.38	---	41.45	54.00	12.55	500.00	200.0	V	334.00	13
4453.63	53.38	---	68.20	14.82	500.00	100.0	V	60.00	14
4550.75	---	41.61	54.00	12.39	500.00	200.0	H	3.00	14
5409.13	---	45.08	54.00	8.92	500.00	200.0	V	218.00	16
5467.75	56.41	---	68.20	11.79	500.00	200.0	V	85.00	16
14500.00	---	46.54	54.00	7.46	500.00	100.0	V	22.00	9

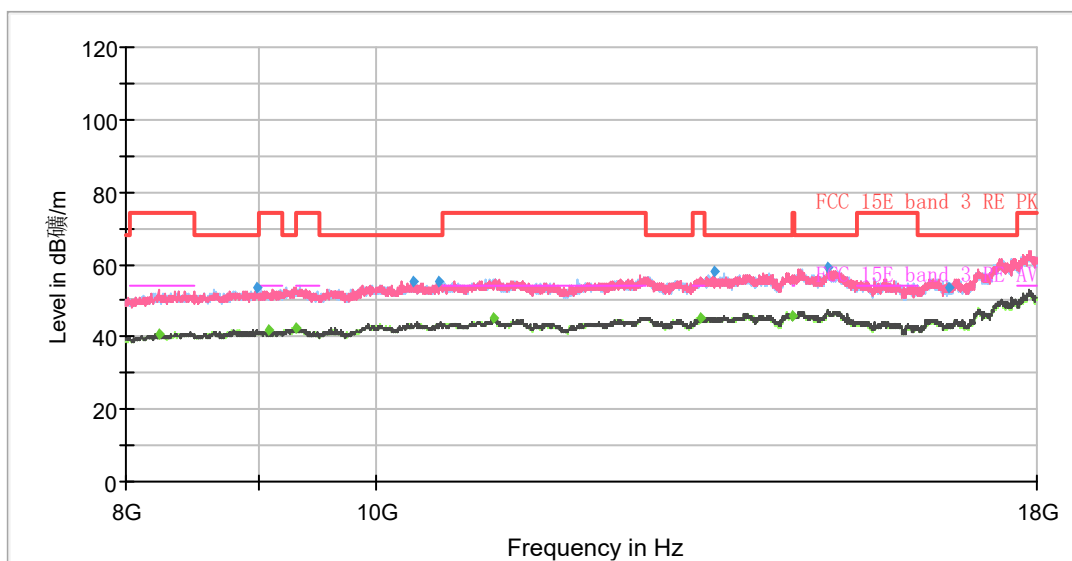
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit –MAX Peak/ Average

802.11ac (VHT80) CH155



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



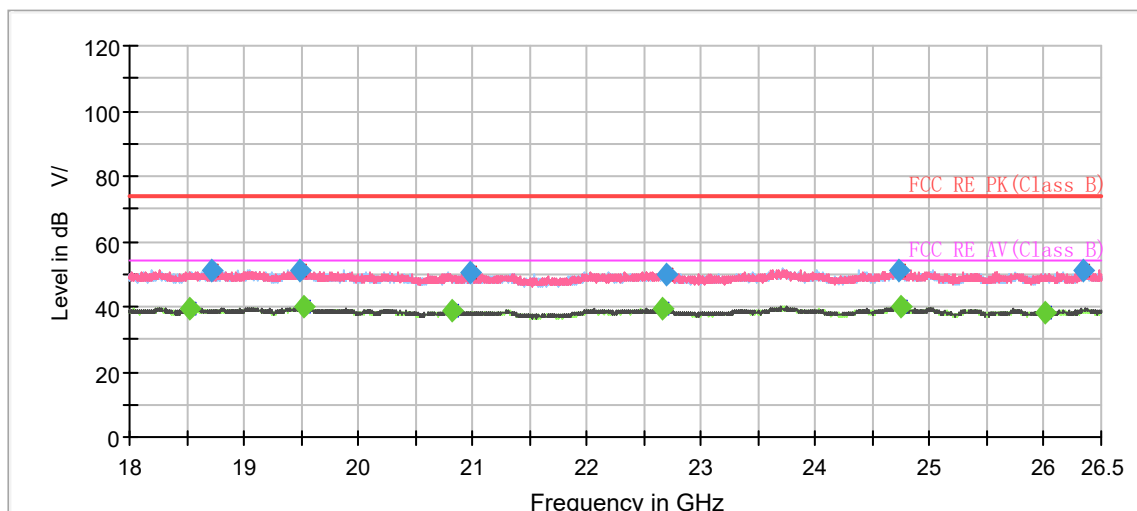
Radiates Emission from 8GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1007.00	---	35.31	54.00	18.69	500.00	200.0	H	148.00	4
1279.13	45.07	---	68.20	23.13	500.00	100.0	V	164.00	5
1440.13	---	34.85	54.00	19.15	500.00	100.0	V	72.00	6
1964.25	47.26	---	68.20	20.94	500.00	100.0	V	331.00	7
2518.13	56.65	---	68.20	11.55	500.00	100.0	H	179.00	10
2806.88	---	38.31	54.00	15.69	500.00	100.0	H	323.00	10
3512.13	51.47	---	68.20	16.73	500.00	200.0	H	21.00	11
3920.75	---	41.47	54.00	12.53	500.00	100.0	H	323.00	13
4448.38	52.77	---	68.20	15.43	500.00	200.0	V	0.00	14
4520.13	---	41.70	54.00	12.30	500.00	100.0	H	299.00	14
5409.13	---	44.70	54.00	9.30	500.00	200.0	V	226.00	16
5628.75	58.09	---	68.20	10.11	500.00	200.0	V	201.00	17
14487.50	---	45.81	54.00	8.19	500.00	200.0	V	154.00	9

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

2. Margin = Limit –MAX Peak/ Average

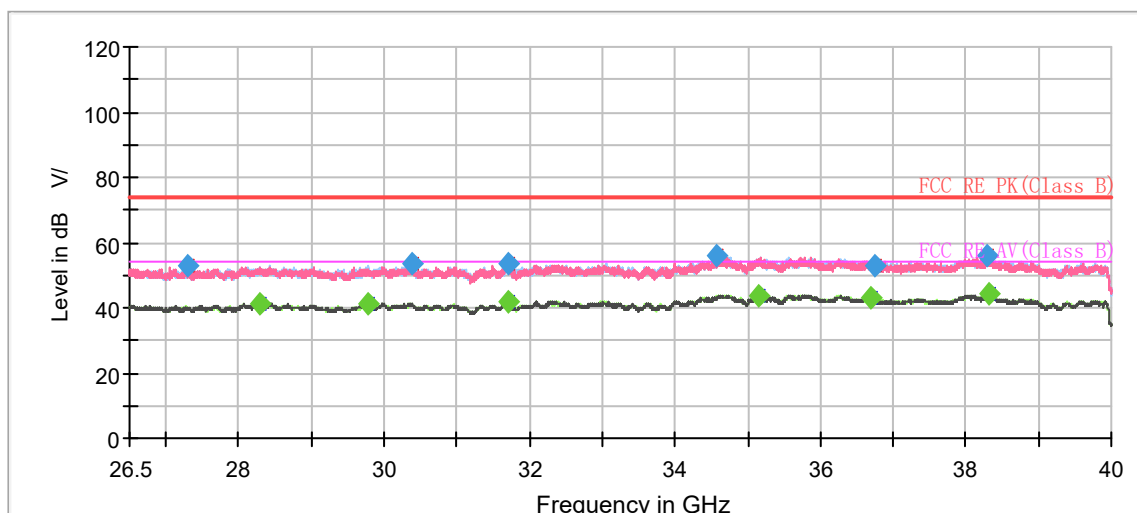
During the test, the Radiates Emission from 18GHz to 40GHz was performed in all modes with all channels, 802.11ac (VHT80) CH106 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.



Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
18523.81	---	39.54	54.00	14.46	500.0	200.0	V	51.0	-5.8
18722.50	51.35	---	74.00	22.65	500.0	100.0	H	38.0	-5.5
19494.94	51.17	---	74.00	22.83	500.0	100.0	V	0.0	-5.3
19528.94	---	39.91	54.00	14.09	500.0	200.0	V	269.0	-5.3
20815.63	---	38.88	54.00	15.12	500.0	100.0	V	298.0	-5.1
20983.50	50.58	---	74.00	23.42	500.0	100.0	V	277.0	-5.1
22663.31	---	39.44	54.00	14.56	500.0	100.0	V	227.0	-4.0
22699.44	50.01	---	74.00	23.99	500.0	100.0	V	147.0	-4.0
24721.38	50.77	---	74.00	23.23	500.0	100.0	H	159.0	-2.1
24743.69	---	40.09	54.00	13.91	500.0	100.0	V	332.0	-2.1
26011.25	---	38.38	54.00	15.62	500.0	100.0	H	130.0	-2.4
26347.00	50.97	---	74.00	23.03	500.0	100.0	H	3.0	-2.3

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



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
27293.13	52.83	---	74.00	21.17	500.0	100.0	H	123.0	-1.2
28283.69	---	41.09	54.00	12.91	500.0	200.0	H	247.0	0.0
29767.00	---	41.48	54.00	12.52	500.0	200.0	H	280.0	-0.8
30388.00	53.24	---	74.00	20.76	500.0	100.0	V	294.0	-0.6
31699.19	---	42.10	54.00	11.90	500.0	200.0	H	148.0	-1.7
31707.63	53.50	---	74.00	20.50	500.0	100.0	V	216.0	-1.7
34583.13	56.03	---	74.00	17.97	500.0	100.0	V	261.0	2.8
35156.88	---	43.97	54.00	10.03	500.0	100.0	V	82.0	3.1
36690.81	---	42.79	54.00	11.21	500.0	200.0	H	310.0	3.3
36746.50	53.03	---	74.00	20.97	500.0	100.0	H	147.0	3.3
38287.19	55.75	---	74.00	18.25	500.0	100.0	H	9.0	3.8
38326.00	---	44.02	54.00	9.98	500.0	200.0	H	233.0	3.7

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

2. Margin = Limit –MAX Peak/ Average

5.6. Conducted Emission

Ambient condition

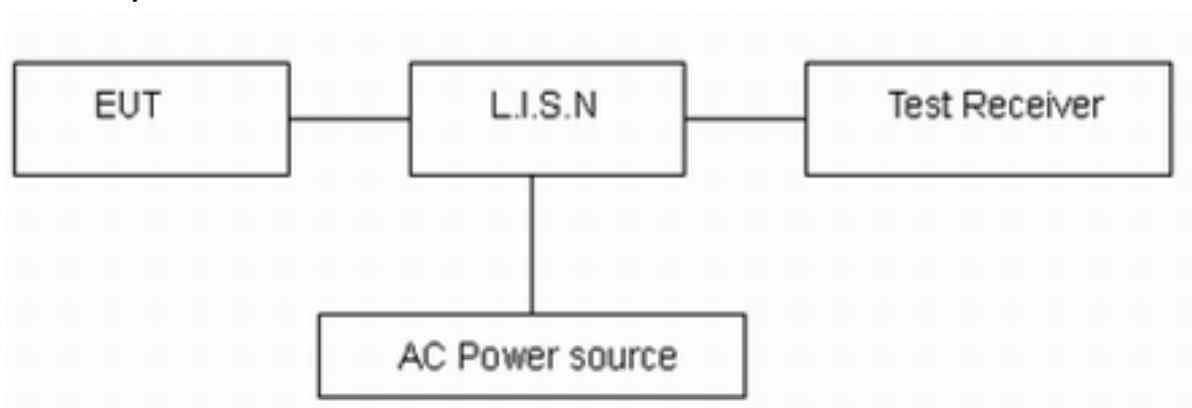
Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

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:

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

6. Main Test Instruments

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
Spectrum Analyzer	R&S	FSV40	101298	2023-05-12	2024-05-11
EMI Test Receiver	R&S	ESCI3	100948	2023-05-12	2024-05-11
Loop Antenna	SCHWARZBECK	FMZB1519	1519-047	2023-04-16	2026-04-15
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9163	01111	2022-10-25	2025-10-24
Horn Antenna	Schwarzbeck	BBHA 9120D	430	2021-07-26	2024-07-25
Horn Antenna	ETS-Lindgren	3160-09	00102643	2021-10-10	2024-10-09
Horn Antenna	STEATITE	QSH-SL-26-40 -K-15	16779	2023-01-17	2026-01-16
Spectrum Analyzer	KEYSIGHT	N9020A	MY51330870	2023-05-12	2024-05-11
Power Sensor	R&S	NRP18S	101954	2023-05-12	2024-05-11
DC Power Supply	UNI-T	UTP1306S+	2205D0517426	2022-12-10	2023-12-09
Temperature Chamber	ESPEC	SU-242	93000506	2022-12-10	2023-12-09
Software	R&S	EMC32	9.26.01	/	/

ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.

ANNEX B: Test Setup Photos

The Test Setup Photos are submitted separately.

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