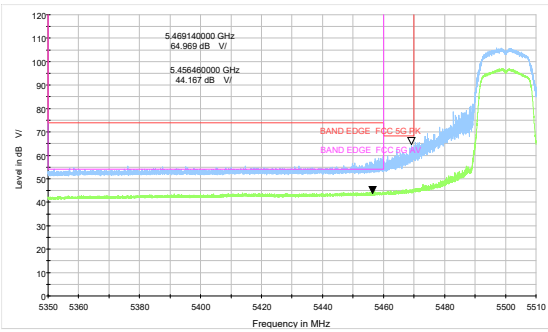


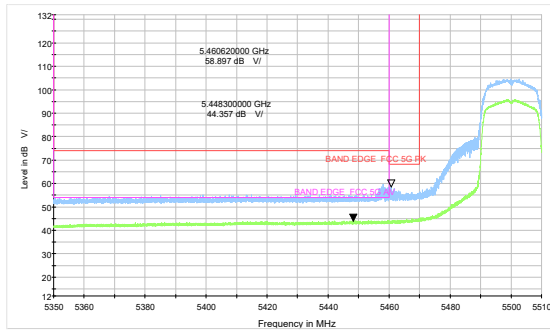


U-NII-2C

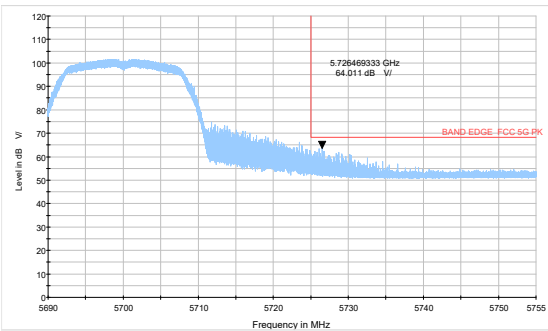
802.11a-Channel 100: Peak + Average



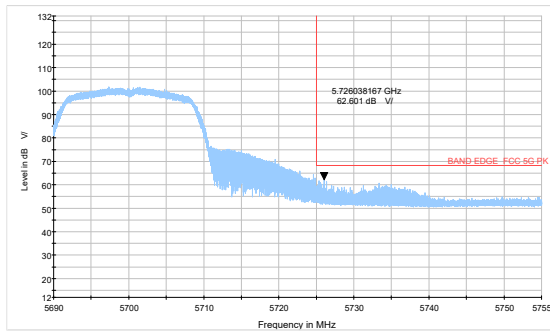
802.11n HT20-Channel 100: Peak + Average



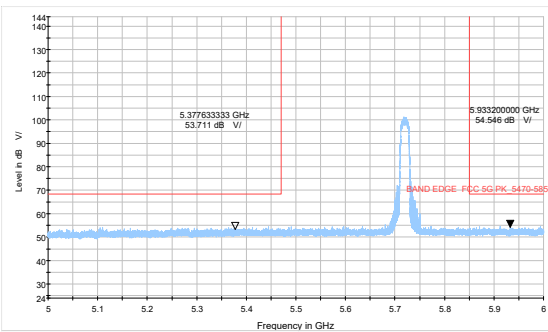
802.11a-Channel 140: Peak



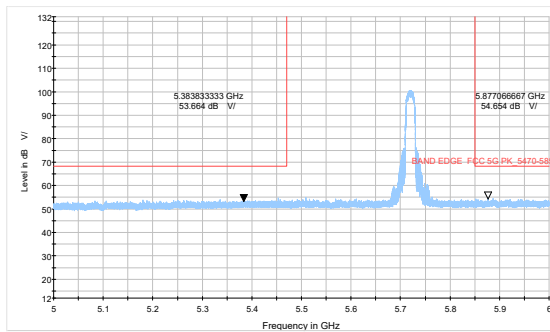
802.11n HT20-Channel 140: Peak



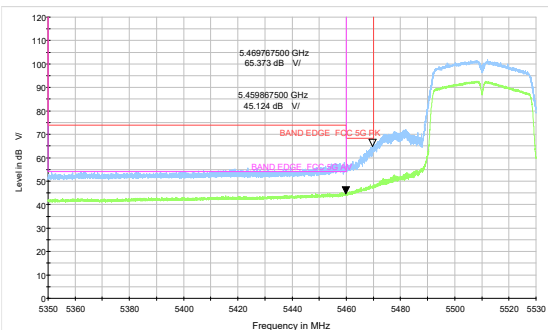
802.11a-Channel 144: Peak



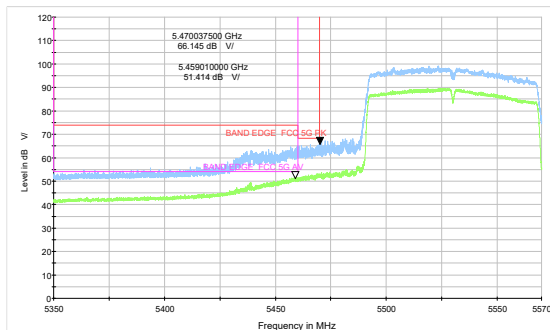
802.11n HT20-Channel 144: Peak



802.11n HT40-Channel 102: Peak + Average

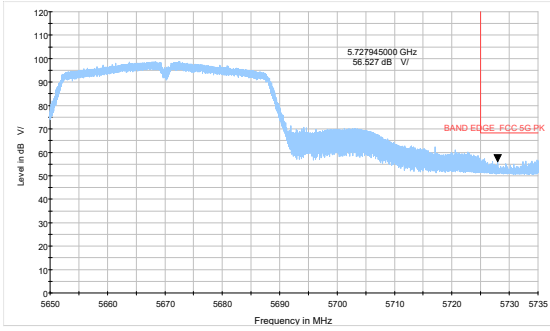


802.11ac VHT80-Channel 106: Peak + Average

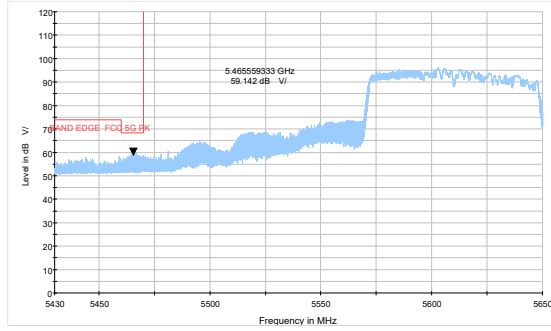




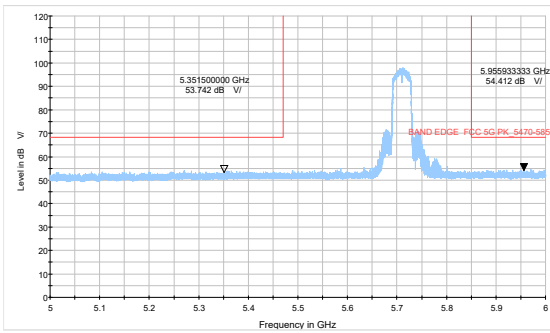
802.11n HT40-Channel 134: Peak



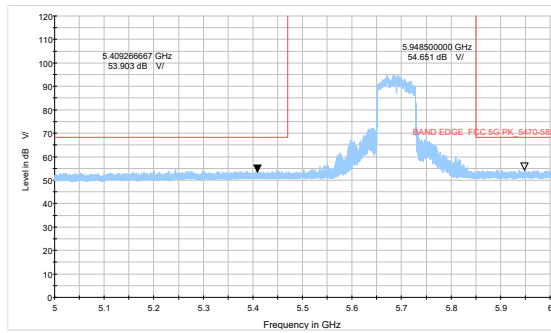
802.11ac VHT80-Channel 122: Peak + Average



802.11n HT40-Channel 142: Peak



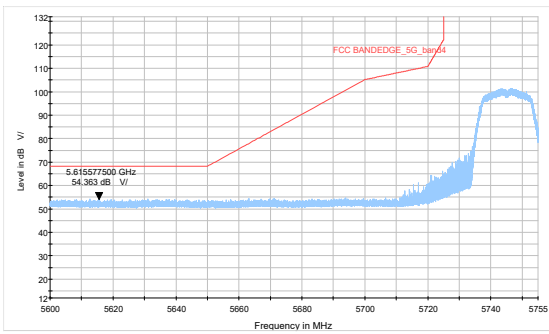
802.11ac VHT80-Channel 138: Peak + Average



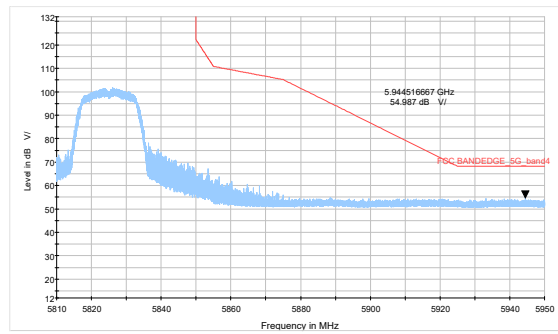


U-NII-3

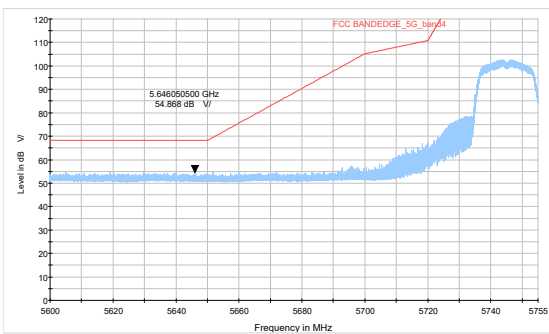
802.11a-Channel 149: Peak



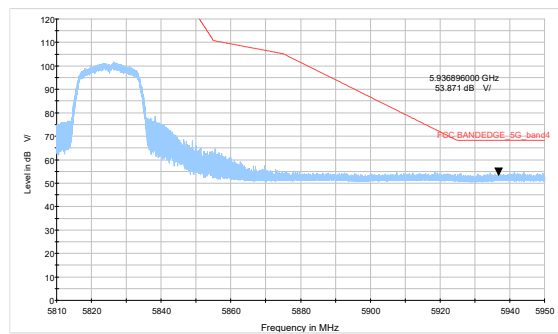
802.11a-Channel 165: Peak



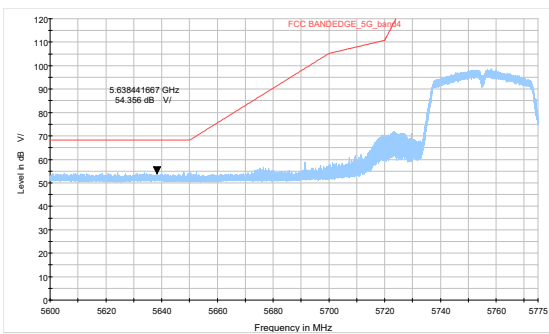
802.11n HT20-Channel 149: Peak



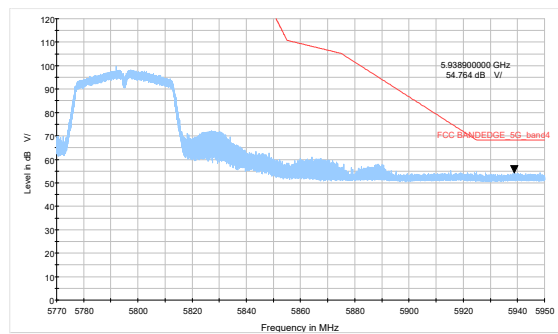
802.11n HT20-Channel 165: Peak



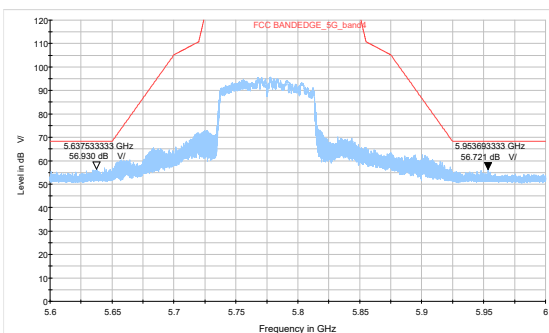
802.11n HT40-Channel 151: Peak



802.11n HT40-Channel 159: Peak



802.11ac VHT80- Channel 155: Peak



**Result of RE**

**Test result**

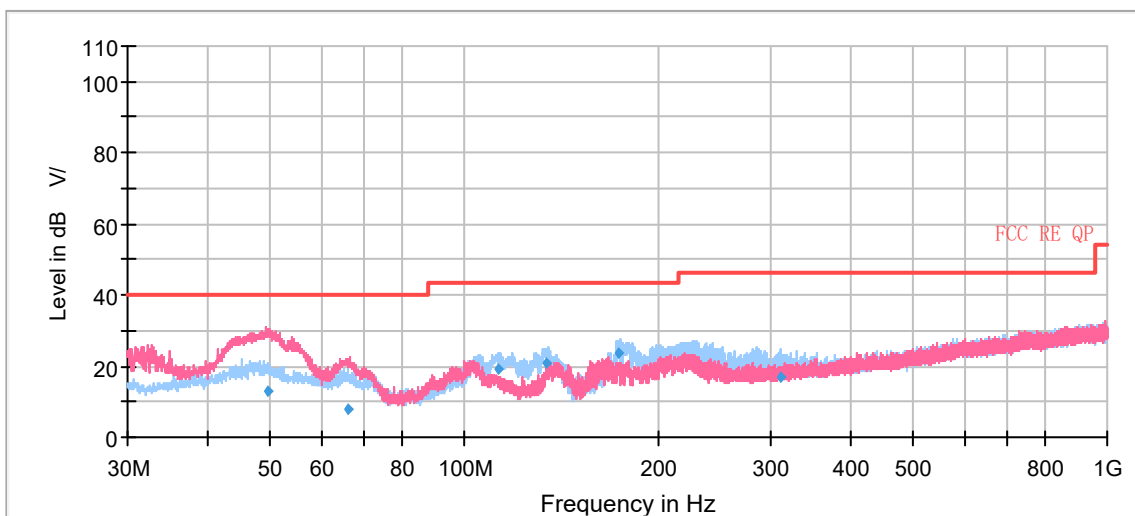
Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, the Emissions in the frequency band 9kHz-30MHz are more than 20dB below the limit are not reported.

A symbol (  $\text{dB}\mu\text{V}$  ) in the test plot below means (  $\text{dB}\mu\text{V}/\text{m}$  )

A symbol (  $\text{dB V}$  ) in the test plot below means (  $\text{dB}\mu\text{V}/\text{m}$  )

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels, 802.11n (HT20), Channel 116 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

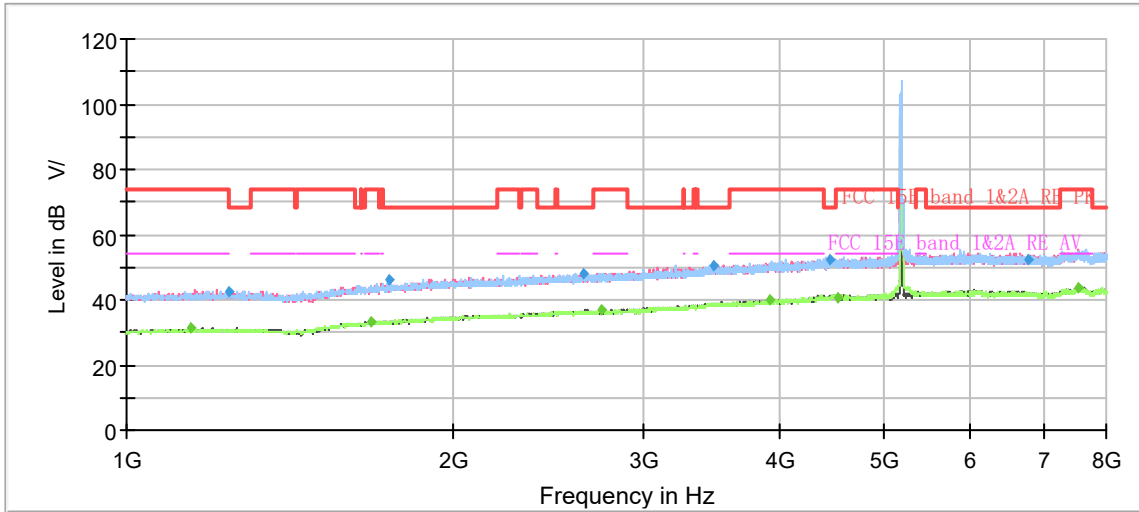
Frequency (MHz)	Quasi-Peak (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
49.72	12.86	40.00	27.14	125.0	V	34.00	21
66.03	7.90	40.00	32.10	100.0	V	98.00	18
113.01	19.34	43.50	24.16	200.0	H	271.00	18
134.75	21.01	43.50	22.49	185.0	H	124.00	15
174.20	23.88	43.50	19.62	175.0	H	252.00	16
310.12	16.97	46.00	29.03	100.0	H	251.00	21

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

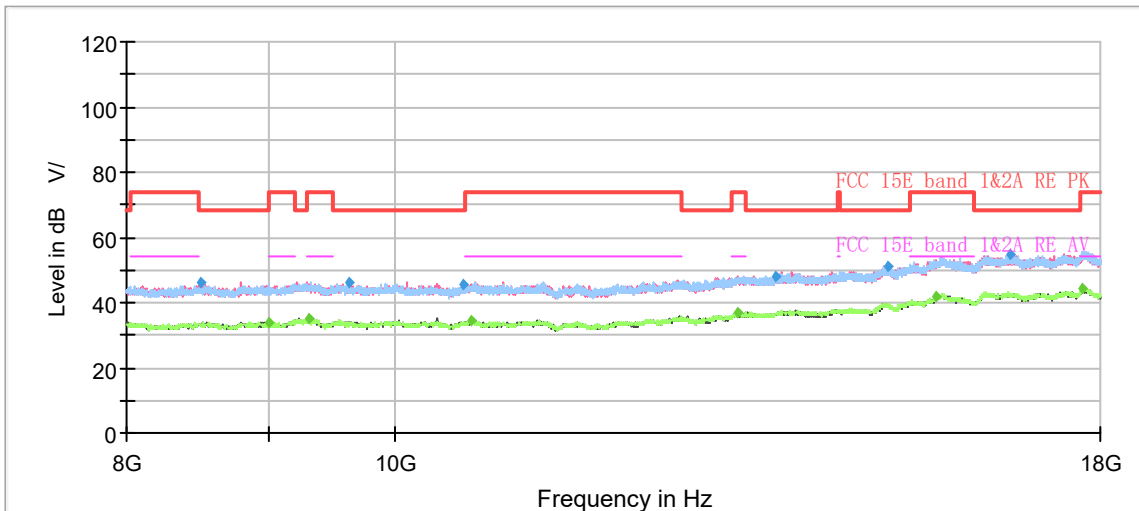
**2. Margin = Limit – Quasi-Peak**



802.11a CH36



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



Radiates Emission from 8GHz to 18GHz

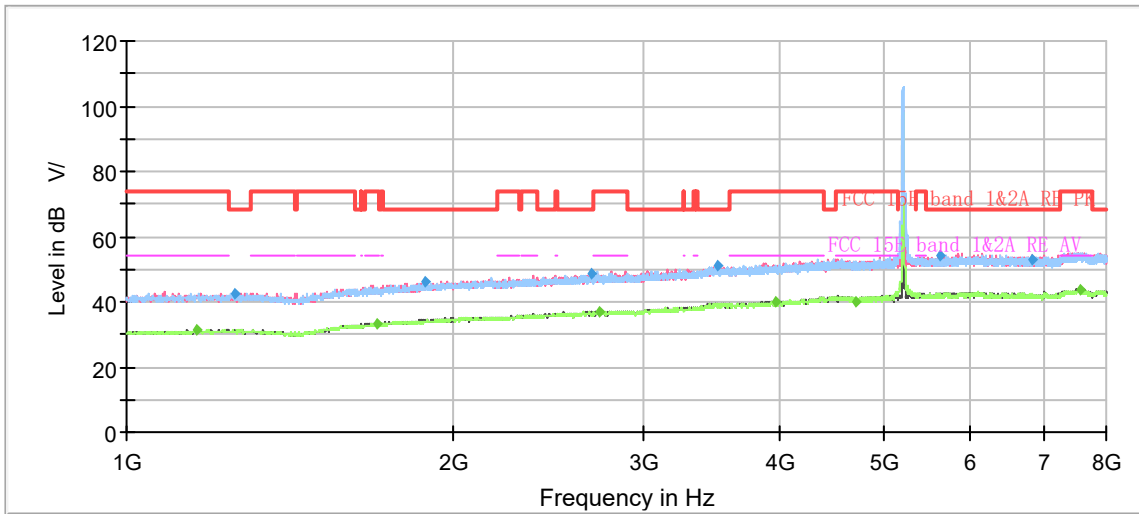


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1144.38	---	31.24	54.00	22.76	500.00	100.0	V	99.00	-8
1243.25	42.71	---	68.20	25.49	500.00	100.0	V	268.00	-7
1678.13	---	33.29	54.00	20.71	500.00	100.0	V	55.00	-5
1748.13	46.07	---	68.20	22.13	500.00	200.0	V	28.00	-4
2640.63	48.29	---	68.20	19.91	500.00	100.0	V	8.00	0
2740.38	---	36.78	54.00	17.22	500.00	200.0	H	217.00	0
3477.13	50.73	---	68.20	17.47	500.00	100.0	V	0.00	3
3919.88	---	39.92	54.00	14.08	500.00	100.0	V	80.00	5
4449.25	52.60	---	68.20	15.60	500.00	100.0	V	200.00	6
4524.50	---	40.88	54.00	13.12	500.00	100.0	V	75.00	7
6789.00	52.51	---	68.20	15.69	500.00	200.0	V	205.00	9
7552.88	---	43.51	54.00	10.49	500.00	100.0	V	296.00	11
17745.00	---	44.33	54.00	9.67	500.00	200.0	V	91.00	14

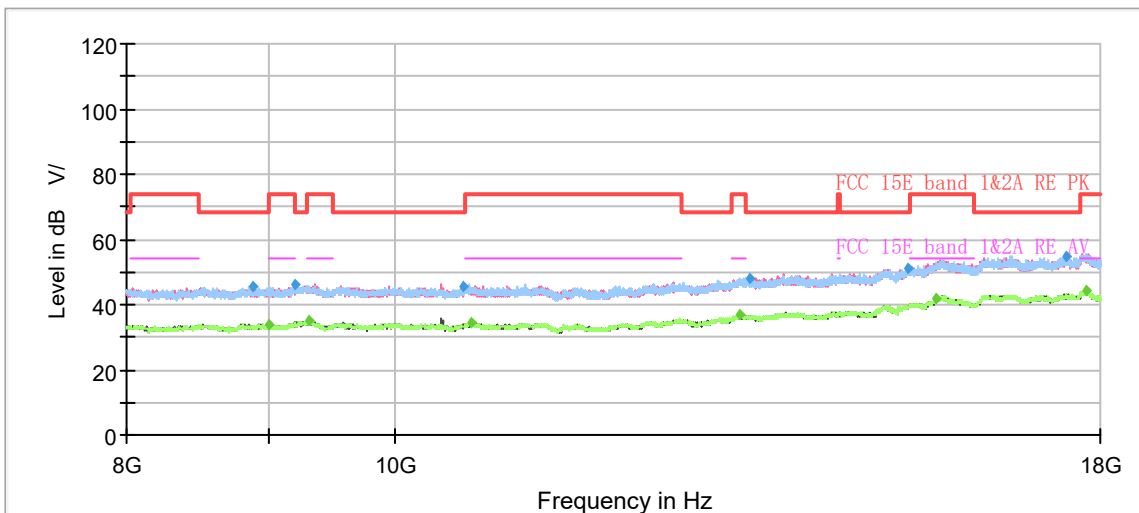
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

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



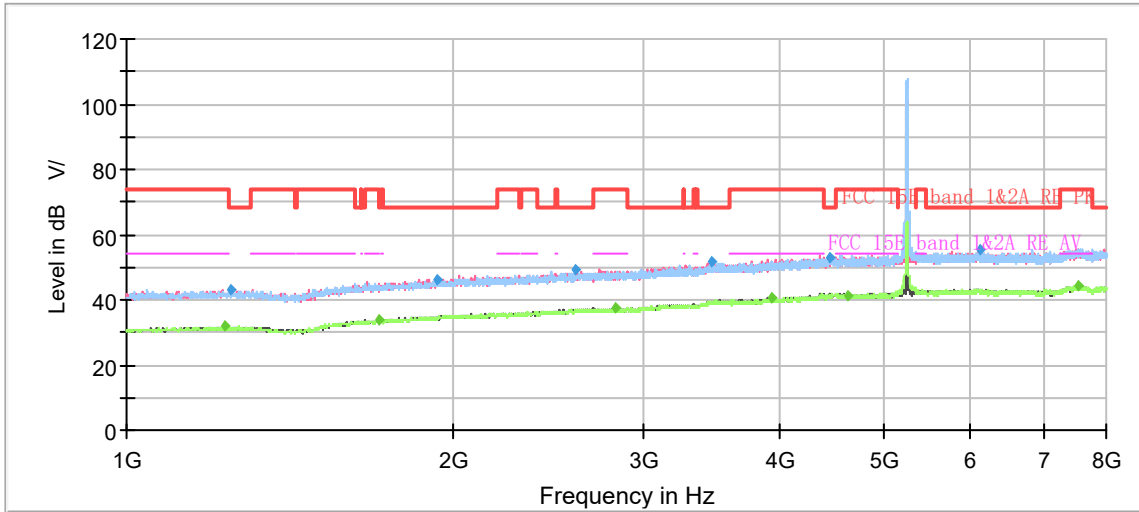
Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1162.75	---	31.55	54.00	22.45	500.00	200.0	V	353.00	-8
1260.75	42.60	---	68.20	25.60	500.00	100.0	V	72.00	-7
1702.63	---	33.44	54.00	20.56	500.00	200.0	V	241.00	-5
1887.25	46.14	---	68.20	22.06	500.00	100.0	H	230.00	-4
2682.63	48.43	---	68.20	19.77	500.00	200.0	H	234.00	0
2725.50	---	36.87	54.00	17.13	500.00	200.0	V	152.00	0
3503.38	51.17	---	68.20	17.03	500.00	100.0	V	19.00	4
3968.00	---	40.06	54.00	13.94	500.00	200.0	V	232.00	5
4703.88	---	40.17	54.00	13.83	500.00	100.0	H	7.00	7
5612.13	53.92	---	68.20	14.28	500.00	100.0	H	299.00	9
6828.38	52.80	---	68.20	15.40	500.00	200.0	V	336.00	9
7585.25	---	43.84	54.00	10.16	500.00	100.0	V	82.00	11
17798.75	---	44.06	54.00	9.94	500.00	100.0	H	334.00	14

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

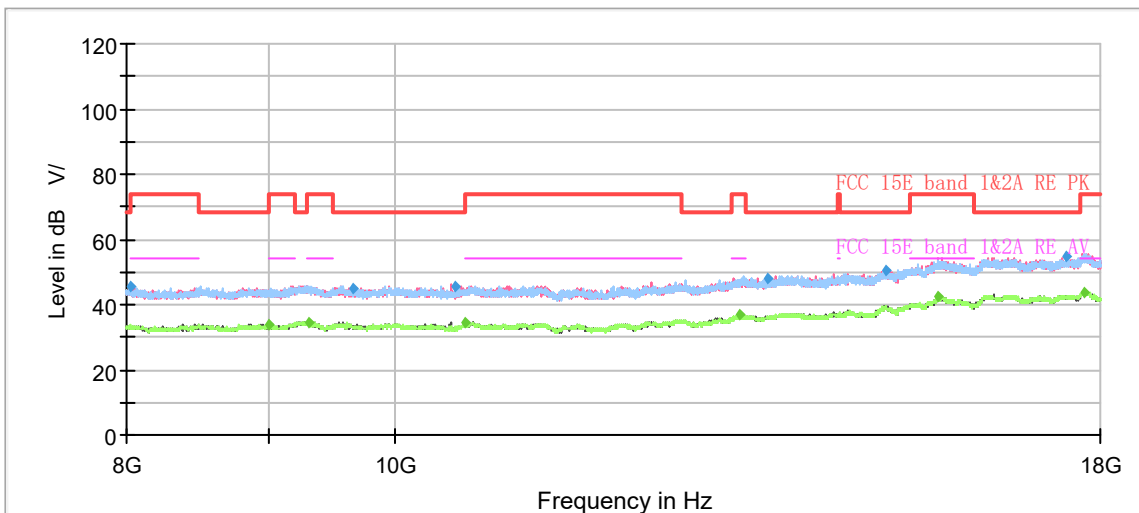
2. Margin = Limit - MAX Peak/ Average



## 802.11a CH48



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



Radiates Emission from 8GHz to 18GHz

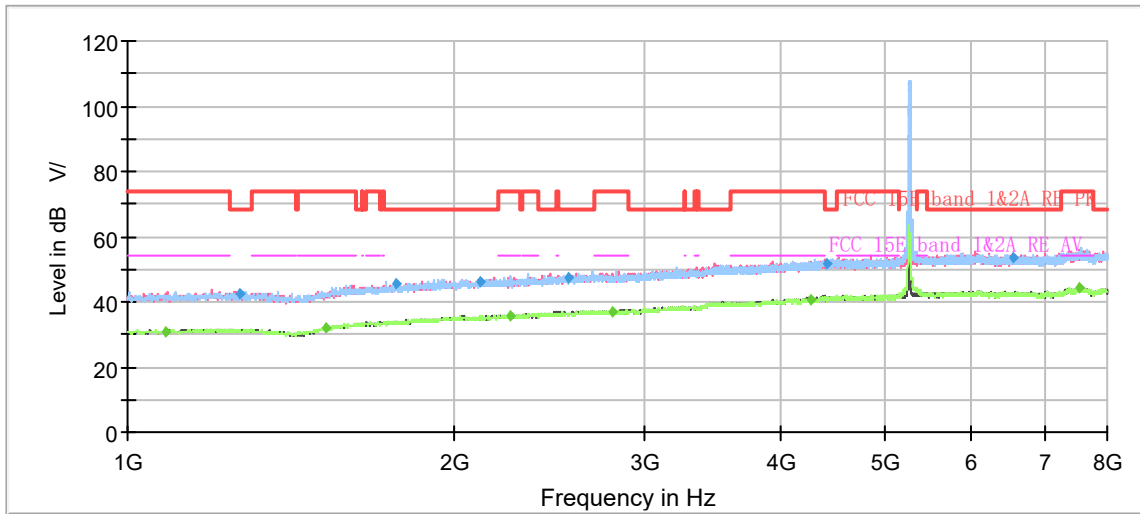


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1229.25	---	31.74	54.00	22.26	500.00	100.0	V	132.00	-7
1246.75	43.30	---	68.20	24.90	500.00	200.0	H	27.00	-7
1706.13	---	33.71	54.00	20.29	500.00	200.0	H	77.00	-4
1934.50	46.38	---	68.20	21.82	500.00	100.0	H	141.00	-3
2589.00	49.05	---	68.20	19.15	500.00	200.0	V	117.00	0
2826.13	---	37.37	54.00	16.63	500.00	100.0	V	0.00	1
3461.38	51.68	---	68.20	16.52	500.00	200.0	V	357.00	3
3939.13	---	40.37	54.00	13.63	500.00	100.0	V	132.00	5
4441.38	52.77	---	68.20	15.43	500.00	200.0	V	319.00	6
4629.50	---	40.92	54.00	13.08	500.00	100.0	V	64.00	7
6124.88	55.59	---	68.20	12.61	500.00	200.0	H	280.00	9
7547.63	---	44.30	54.00	9.70	500.00	200.0	H	32.00	11

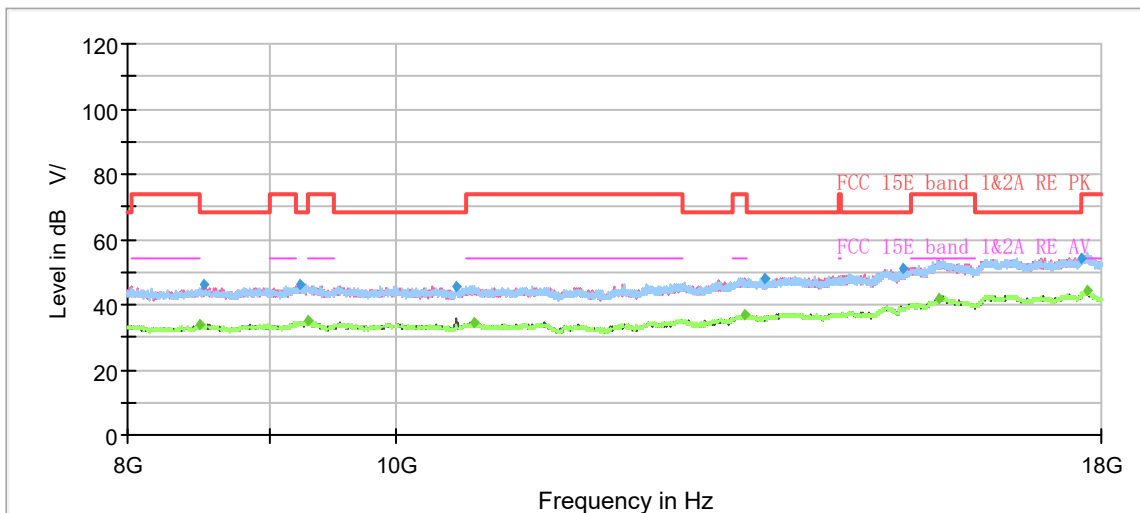
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit - MAX Peak/ Average

## 802.11a CH52



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



Radiates Emission from 8GHz to 18GHz

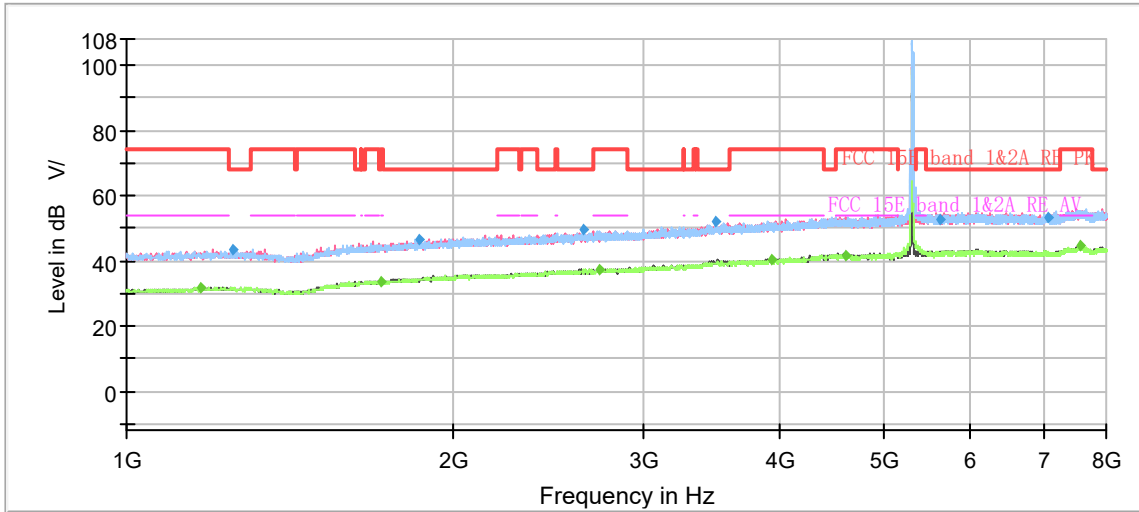


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1082.25	---	30.94	54.00	23.06	500.00	100.0	V	358.00	-8
1266.88	42.38	---	68.20	25.82	500.00	200.0	V	276.00	-7
1520.63	---	32.14	54.00	21.86	500.00	100.0	H	0.00	-5
1770.88	45.81	---	68.20	22.39	500.00	200.0	V	316.00	-4
2116.50	45.92	---	68.20	22.28	500.00	100.0	H	180.00	-2
2249.50	---	35.85	54.00	18.15	500.00	200.0	V	264.00	-2
2552.25	47.51	---	68.20	20.69	500.00	100.0	V	98.00	0
2799.00	---	37.07	54.00	16.93	500.00	100.0	V	14.00	0
4270.75	---	40.77	54.00	13.23	500.00	100.0	V	238.00	6
4420.38	51.93	---	68.20	16.27	500.00	200.0	H	41.00	6
6549.25	53.82	---	68.20	14.38	500.00	100.0	H	292.00	9
7528.38	---	44.26	54.00	9.74	500.00	200.0	V	109.00	11
17776.25	---	44.21	54.00	9.79	500.00	200.0	V	142.00	14

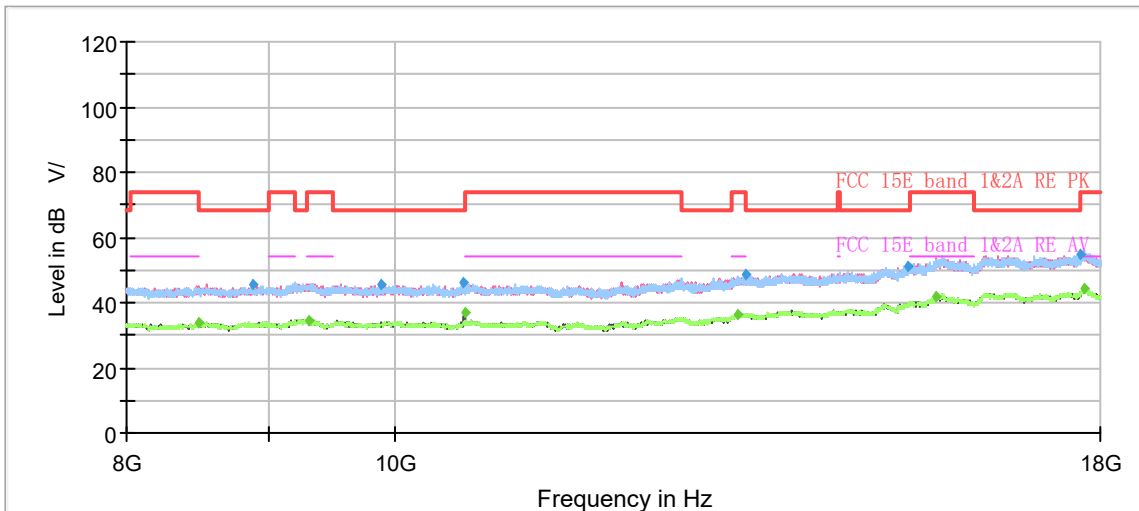
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit - MAX Peak/ Average

802.11a CH60



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



Radiates Emission from 8GHz to 18GHz

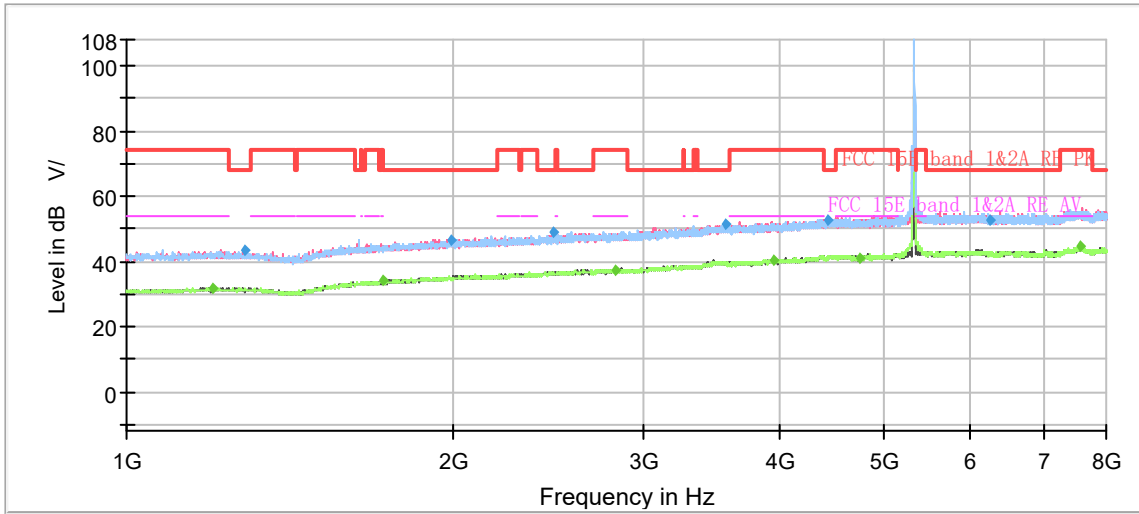


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1170.63	---	31.72	54.00	22.28	500.00	100.0	H	0.00	-8
1252.00	43.50	---	68.20	24.70	500.00	200.0	H	44.00	-7
1719.25	---	33.77	54.00	20.23	500.00	200.0	H	63.00	-4
1859.25	46.70	---	68.20	21.50	500.00	100.0	H	333.00	-4
2631.88	49.43	---	68.20	18.77	500.00	100.0	H	232.00	0
2729.88	---	37.16	54.00	16.84	500.00	100.0	V	160.00	0
3495.50	52.13	---	68.20	16.07	500.00	200.0	H	125.00	4
3933.00	---	40.51	54.00	13.49	500.00	100.0	H	10.00	5
4593.63	---	41.49	54.00	12.51	500.00	200.0	H	39.00	7
5617.38	52.68	---	68.20	15.52	500.00	100.0	V	179.00	9
7084.75	53.16	---	68.20	15.04	500.00	200.0	V	207.00	9
7580.00	---	44.37	54.00	9.63	500.00	200.0	V	359.00	11
17772.50	---	44.11	54.00	9.89	500.00	100.0	V	11.00	14

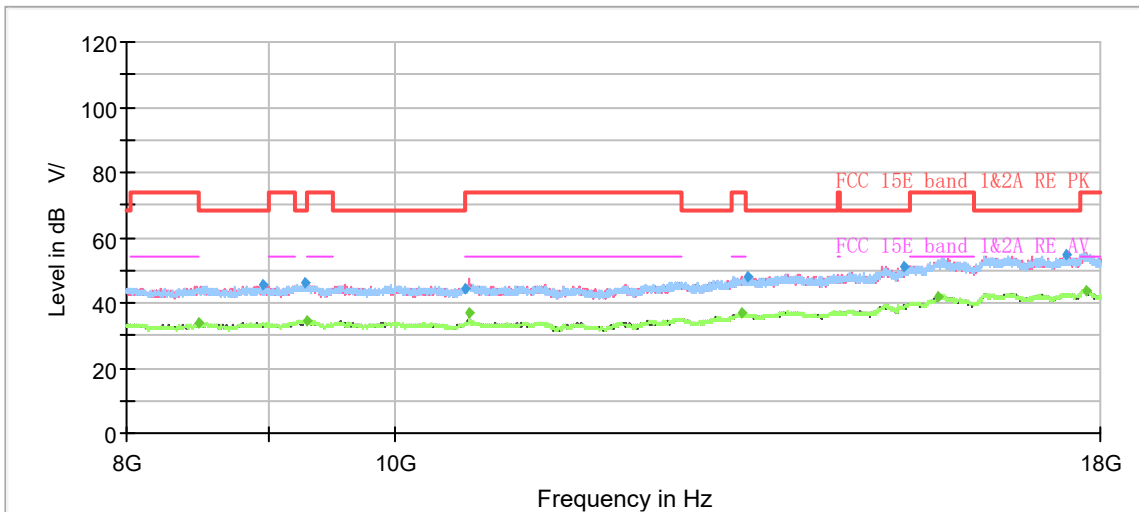
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit - MAX Peak/ Average

802.11a  
CH64



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



Radiates Emission from 8GHz to 18GHz



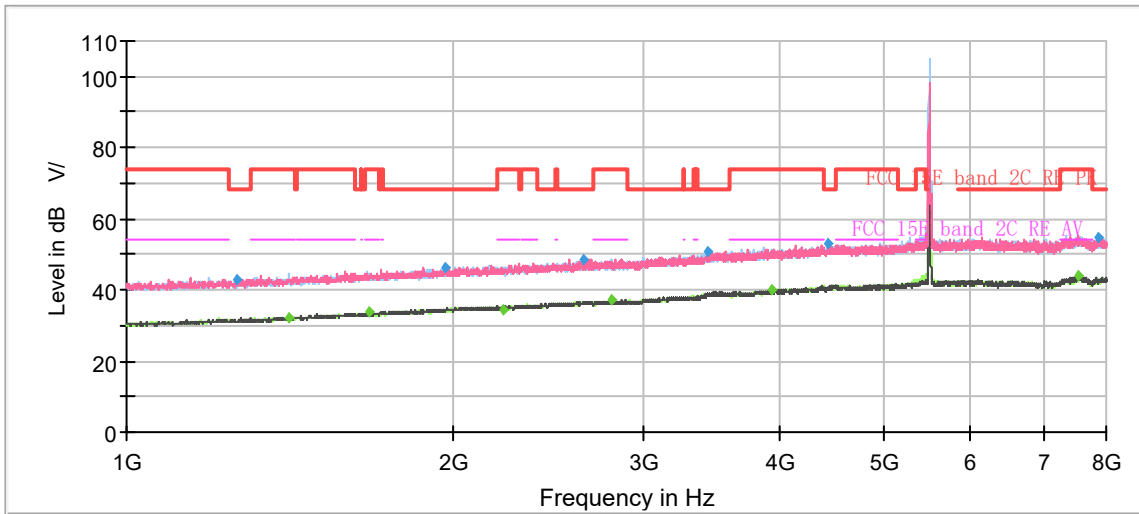
Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1200.38	---	31.76	54.00	22.24	500.00	200.0	H	93.00	-7
1283.50	43.14	---	68.20	25.06	500.00	200.0	V	79.00	-7
1721.00	---	33.99	54.00	20.01	500.00	200.0	V	304.00	-4
1995.75	46.76	---	68.20	21.44	500.00	200.0	V	346.00	-3
2470.00	48.92	---	68.20	19.28	500.00	100.0	V	108.00	-1
2827.88	---	37.38	54.00	16.62	500.00	100.0	V	150.00	1
3573.38	51.10	---	68.20	17.10	500.00	100.0	V	160.00	4
3946.13	---	40.37	54.00	13.63	500.00	100.0	V	68.00	5
4437.00	52.41	---	68.20	15.79	500.00	200.0	V	0.00	6
4739.75	---	41.15	54.00	12.85	500.00	100.0	V	155.00	7
6250.00	52.76	---	68.20	15.44	500.00	100.0	V	29.00	9
7553.75	---	44.38	54.00	9.62	500.00	100.0	H	229.00	11

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

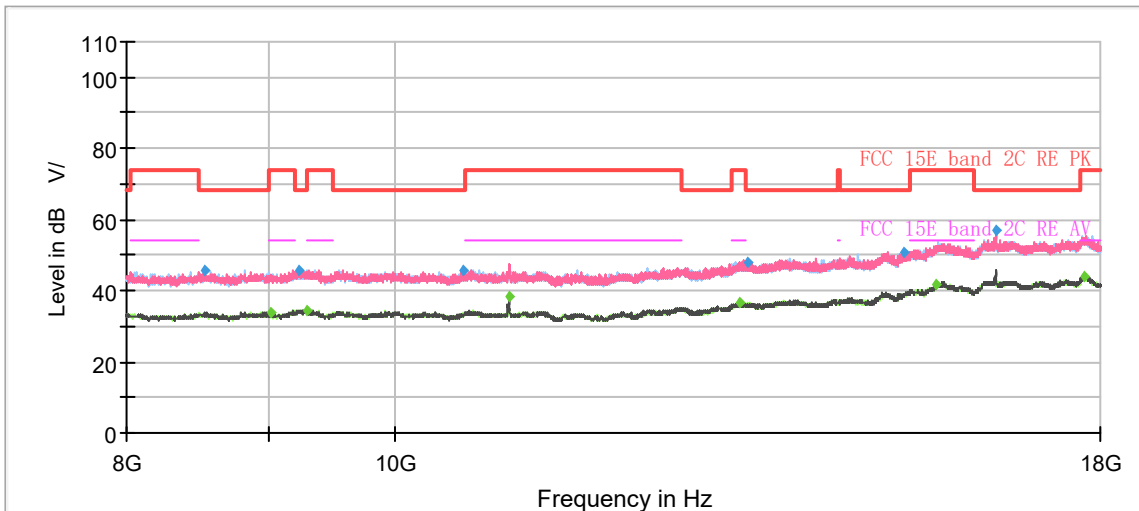
2. Margin = Limit - MAX Peak/ Average



802.11a CH100



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



Radiates Emission from 8GHz to 18GHz

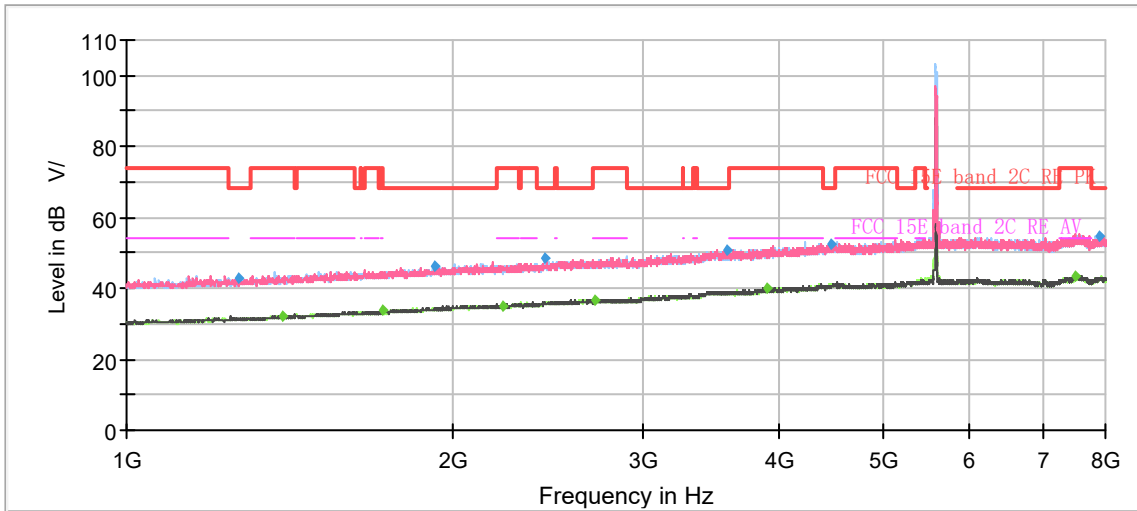


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1266.00	43.11	---	68.20	25.09	500.00	100.0	H	60.00	-7
1411.25	---	32.39	54.00	21.61	500.00	200.0	H	310.00	-6
1674.63	---	33.60	54.00	20.40	500.00	200.0	V	104.00	-5
1965.13	46.18	---	68.20	22.02	500.00	200.0	V	32.00	-3
2221.50	---	34.65	54.00	19.35	500.00	100.0	H	90.00	-2
2640.63	48.71	---	68.20	19.49	500.00	200.0	V	71.00	0
2804.25	---	36.95	54.00	17.05	500.00	100.0	H	133.00	0
3434.25	50.92	---	68.20	17.28	500.00	200.0	H	264.00	3
3934.75	---	39.97	54.00	14.03	500.00	100.0	V	300.00	5
4437.00	53.18	---	68.20	15.02	500.00	200.0	H	178.00	6
7524.88	---	44.16	54.00	9.84	500.00	100.0	V	121.00	11
7853.88	54.66	---	68.20	13.54	500.00	100.0	V	145.00	11
17747.50	---	44.14	54.00	9.86	500.00	200.0	H	346.00	14

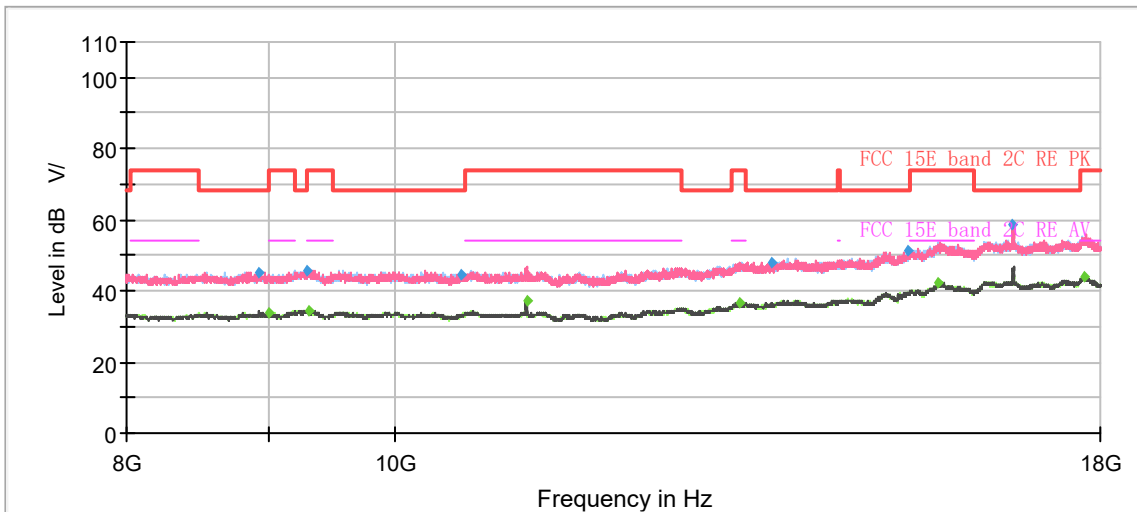
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

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

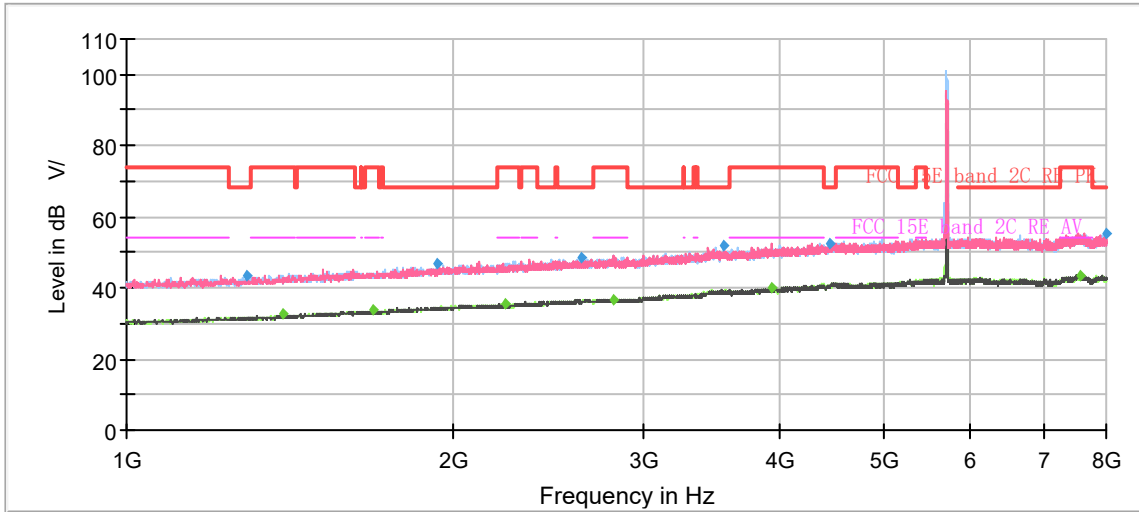


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1268.63	42.81	---	68.20	25.39	500.00	200.0	V	163.00	-7
1394.63	---	32.34	54.00	21.66	500.00	200.0	V	110.00	-6
1721.00	---	34.02	54.00	19.98	500.00	200.0	H	281.00	-4
1922.25	46.10	---	68.20	22.10	500.00	200.0	V	37.00	-3
2223.25	---	35.14	54.00	18.86	500.00	200.0	H	239.00	-2
2433.25	48.48	---	68.20	19.72	500.00	100.0	H	286.00	-1
2710.63	---	36.88	54.00	17.12	500.00	100.0	V	64.00	0
3585.63	50.75	---	68.20	17.45	500.00	100.0	V	0.00	4
3891.00	---	40.04	54.00	13.96	500.00	200.0	V	217.00	5
4471.13	52.48	---	68.20	15.72	500.00	100.0	H	257.00	7
7515.25	---	43.50	54.00	10.50	500.00	200.0	H	0.00	11
7883.63	54.76	---	68.20	13.44	500.00	200.0	V	344.00	11
16737.50	58.42	---	68.20	9.78	500.00	100.0	V	311.00	13

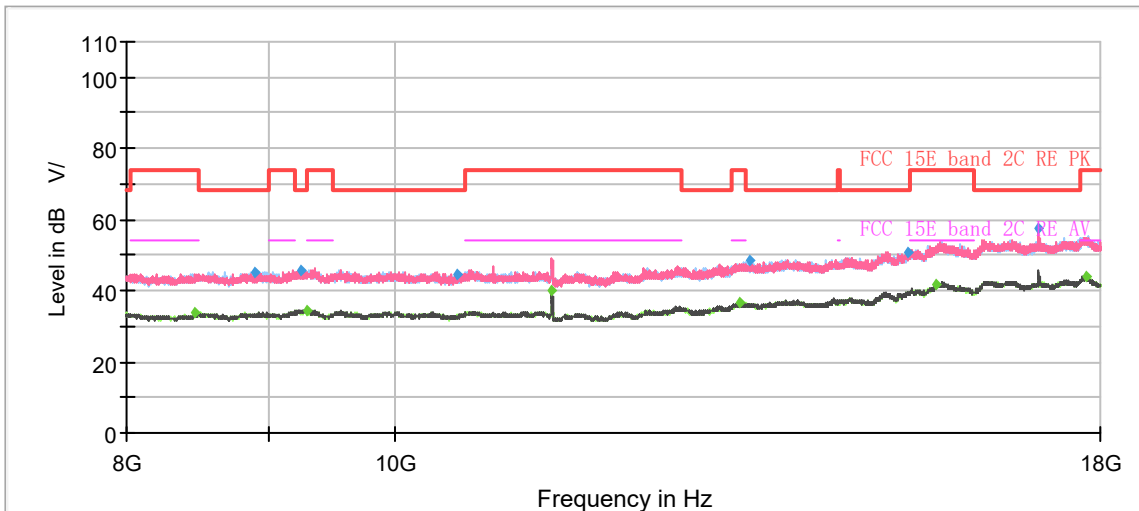
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

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

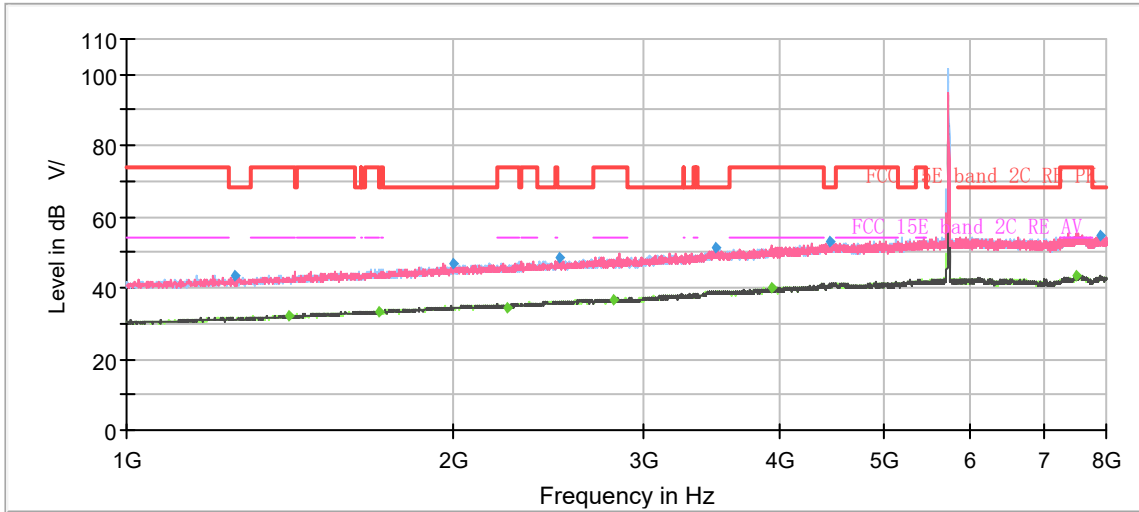


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1290.50	43.36	---	68.20	24.85	500.00	200.0	H	328.00	-7
1393.75	---	32.58	54.00	21.42	500.00	100.0	H	37.00	-6
1690.38	---	33.61	54.00	20.39	500.00	200.0	V	283.00	-5
1932.75	46.77	---	68.20	21.43	500.00	100.0	H	0.00	-3
2236.38	---	35.27	54.00	18.73	500.00	100.0	H	156.00	-2
2624.00	48.68	---	68.20	19.52	500.00	100.0	V	0.00	0
2805.13	---	36.80	54.00	17.20	500.00	200.0	V	114.00	0
3553.25	51.73	---	68.20	16.47	500.00	100.0	H	215.00	4
3929.50	---	40.04	54.00	13.96	500.00	100.0	H	99.00	5
4439.63	52.51	---	68.20	15.69	500.00	200.0	H	125.00	6
7575.63	---	43.57	54.00	10.43	500.00	100.0	V	0.00	11
7999.13	55.17	---	68.20	13.03	500.00	100.0	V	0.00	11

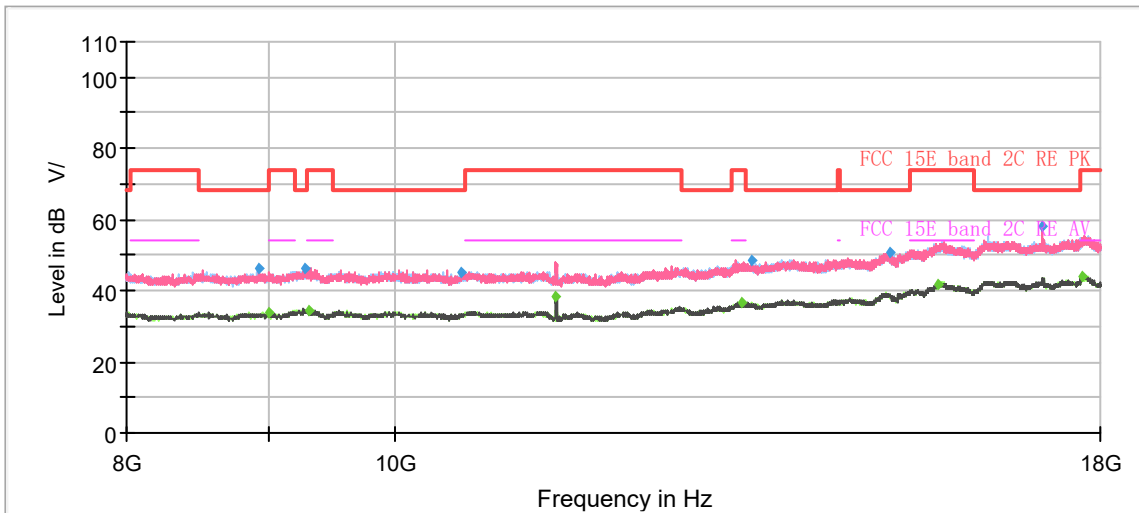
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**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



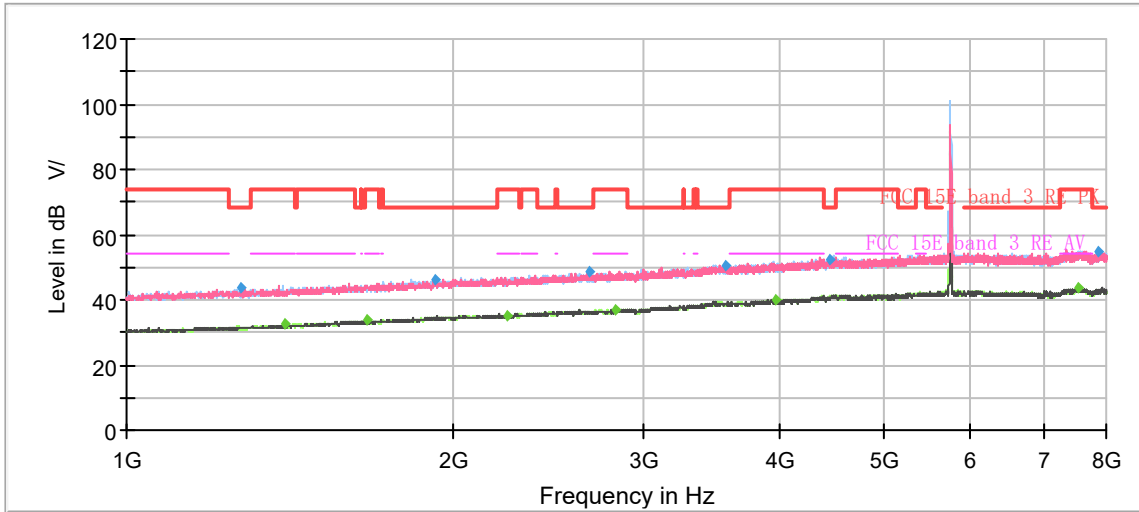
Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1256.38	43.27	---	68.20	24.93	500.00	200.0	H	257.00	-7
1408.63	---	32.43	54.00	21.57	500.00	200.0	H	295.00	-6
1708.75	---	33.51	54.00	20.49	500.00	100.0	V	250.00	-4
1999.25	46.96	---	68.20	21.24	500.00	200.0	H	276.00	-3
2239.00	---	34.66	54.00	19.34	500.00	200.0	H	0.00	-2
2507.63	48.35	---	68.20	19.85	500.00	200.0	V	267.00	-1
2807.75	---	36.83	54.00	17.17	500.00	200.0	V	147.00	0
3489.38	51.23	---	68.20	16.97	500.00	200.0	V	239.00	4
3935.63	---	40.01	54.00	13.99	500.00	200.0	H	223.00	5
4448.38	52.96	---	68.20	15.24	500.00	100.0	H	204.00	6
7516.13	---	43.52	54.00	10.48	500.00	100.0	V	318.00	11
7897.63	54.66	---	68.20	13.54	500.00	100.0	H	59.00	11

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

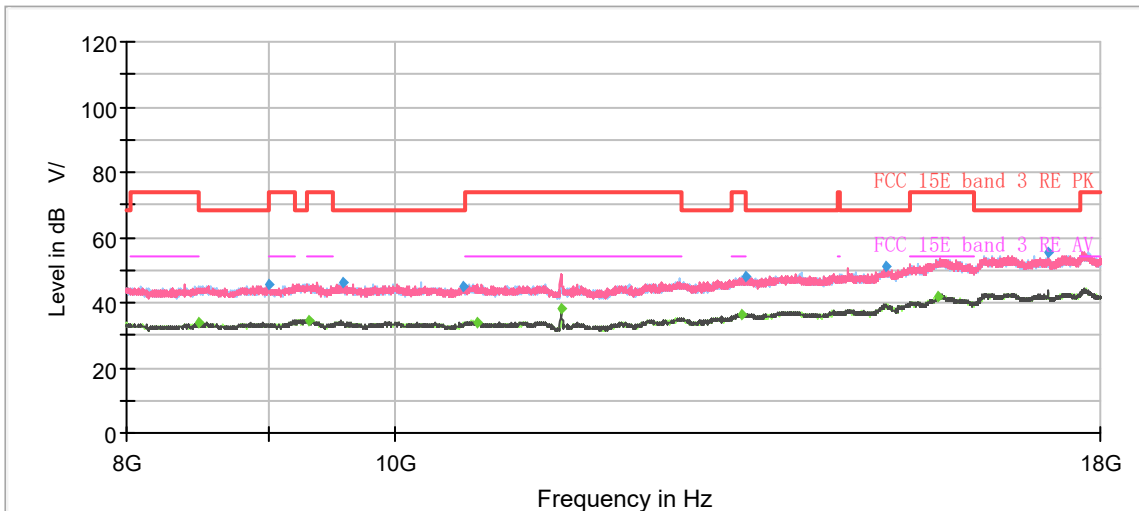
2. Margin = Limit - MAX Peak/ Average



802.11a CH149



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



Radiates Emission from 8GHz to 18GHz

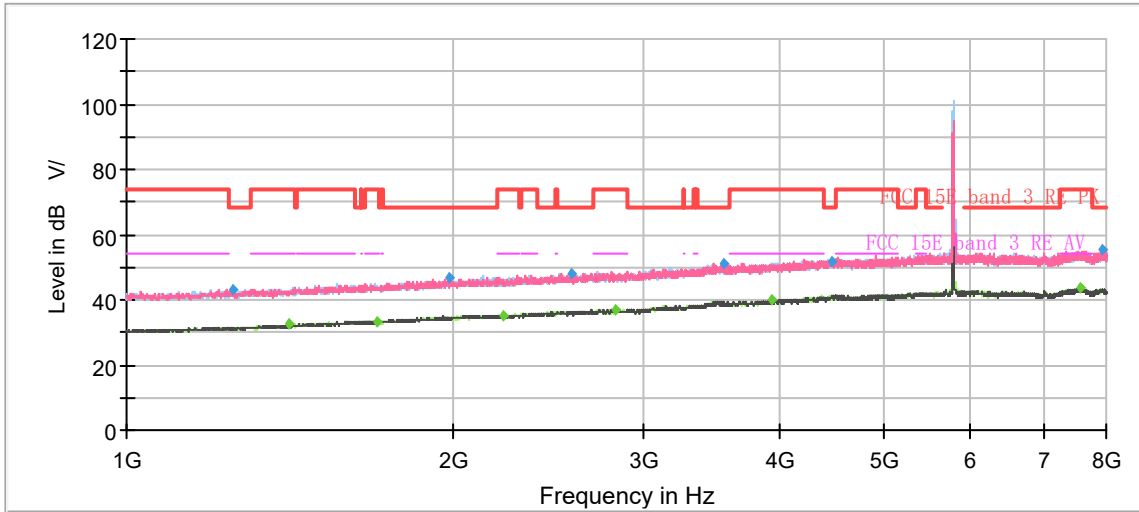


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1276.50	43.47	---	68.20	24.73	500.00	100.0	H	0.00	-7
1396.38	---	32.65	54.00	21.35	500.00	100.0	H	244.00	-6
1663.25	---	33.87	54.00	20.13	500.00	100.0	V	95.00	-5
1921.38	46.39	---	68.20	21.81	500.00	100.0	H	84.00	-3
2239.00	---	35.27	54.00	18.73	500.00	100.0	H	355.00	-2
2674.75	48.49	---	68.20	19.71	500.00	100.0	V	57.00	0
2825.25	---	37.05	54.00	16.95	500.00	100.0	V	80.00	1
3570.75	50.77	---	68.20	17.43	500.00	200.0	H	28.00	4
3974.13	---	40.08	54.00	13.92	500.00	200.0	H	351.00	5
4454.50	52.44	---	68.20	15.76	500.00	200.0	V	281.00	6
7546.75	---	43.73	54.00	10.27	500.00	100.0	V	114.00	11
7852.13	54.53	---	68.20	13.67	500.00	200.0	V	187.00	11

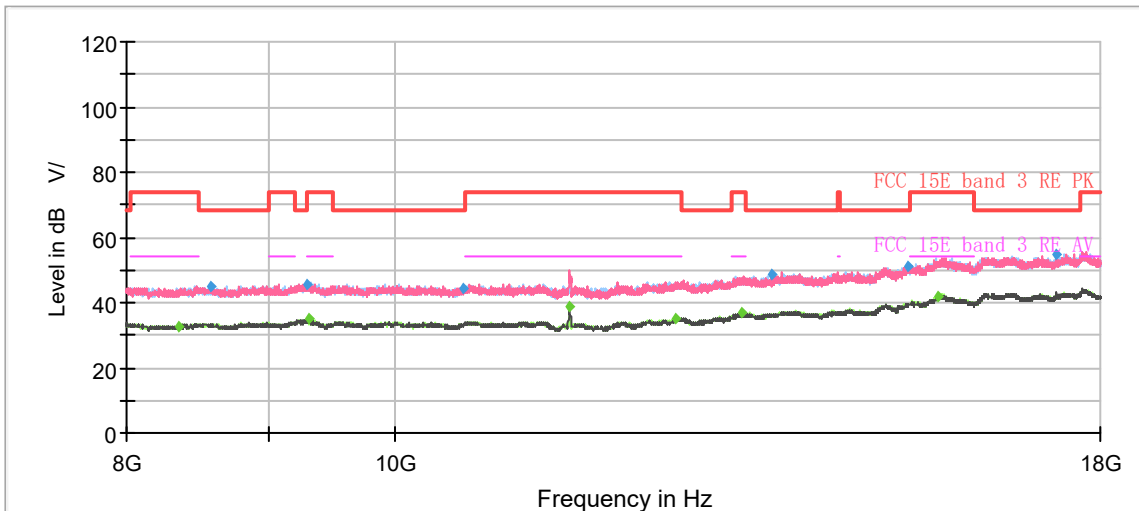
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**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

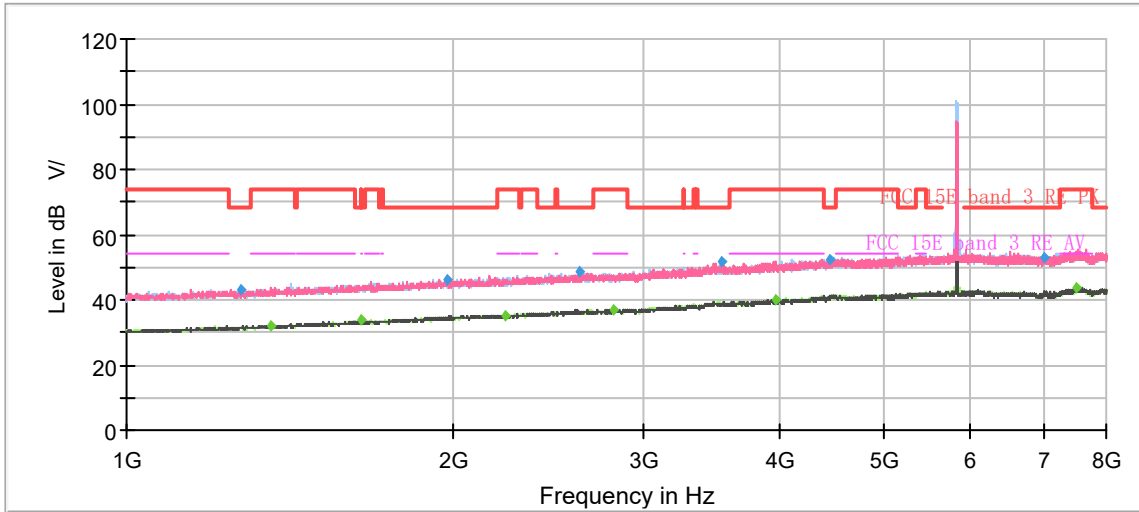


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1251.13	43.08	---	68.20	25.12	500.00	100.0	V	128.00	-7
1411.25	---	32.48	54.00	21.52	500.00	200.0	V	248.00	-6
1701.75	---	33.42	54.00	20.58	500.00	100.0	H	163.00	-5
1987.00	46.57	---	68.20	21.63	500.00	100.0	V	50.00	-3
2222.38	---	35.21	54.00	18.79	500.00	200.0	V	327.00	-2
2569.75	48.05	---	68.20	20.15	500.00	100.0	V	195.00	0
2818.25	---	37.00	54.00	17.00	500.00	200.0	H	64.00	1
3549.75	50.84	---	68.20	17.36	500.00	200.0	H	50.00	4
3930.38	---	40.04	54.00	13.96	500.00	100.0	V	0.00	5
4462.38	51.85	---	68.20	16.35	500.00	200.0	H	59.00	7
7555.50	---	43.60	54.00	10.40	500.00	200.0	H	237.00	11
7919.50	55.27	---	68.20	12.93	500.00	200.0	V	229.00	11

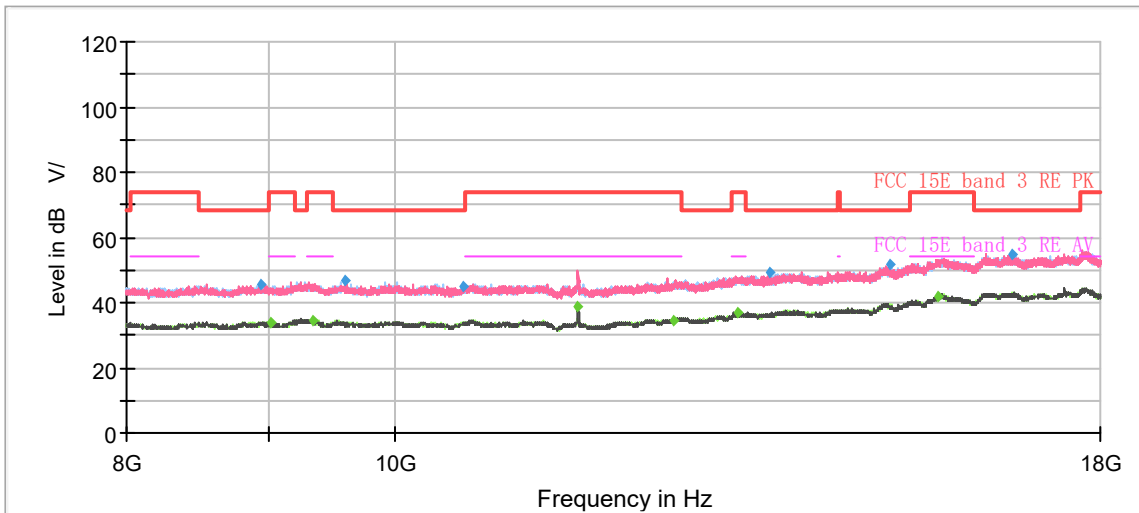
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

## 802.11a CH 165



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



Radiates Emission from 8GHz to 18GHz

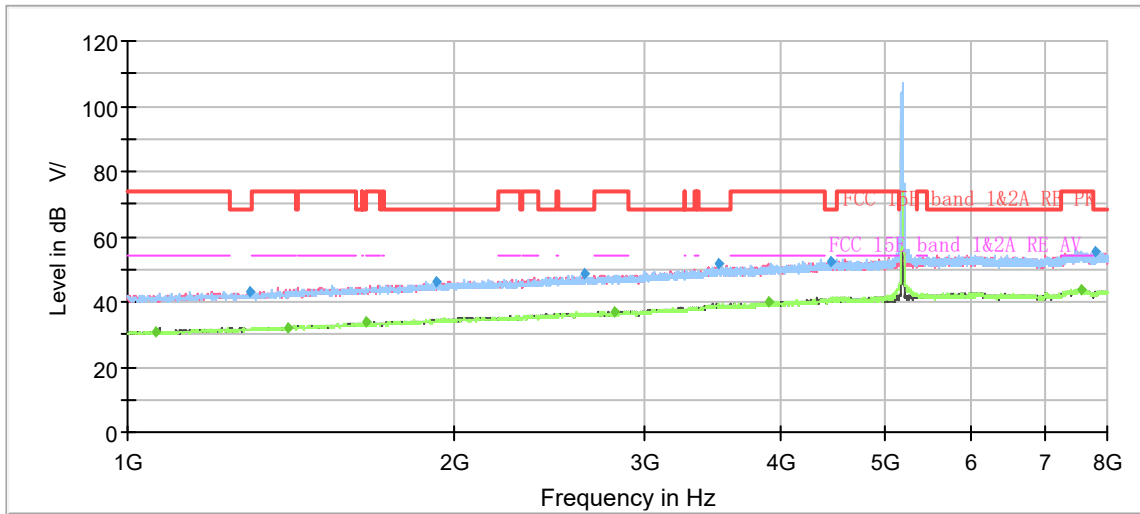


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1275.63	42.93	---	68.20	25.27	500.00	100.0	H	190.00	-7
1356.13	---	32.18	54.00	21.82	500.00	100.0	V	153.00	-6
1645.75	---	33.64	54.00	20.36	500.00	100.0	H	309.00	-5
1973.88	46.37	---	68.20	21.83	500.00	200.0	H	17.00	-3
2234.63	---	34.91	54.00	19.09	500.00	200.0	H	0.00	-2
2616.13	48.75	---	68.20	19.45	500.00	100.0	V	119.00	0
2813.88	---	37.01	54.00	16.99	500.00	100.0	H	139.00	0
3528.75	51.49	---	68.20	16.71	500.00	100.0	V	207.00	4
3958.38	---	40.06	54.00	13.94	500.00	200.0	V	102.00	5
4440.50	52.52	---	68.20	15.68	500.00	200.0	H	27.00	6
7001.63	52.98	---	68.20	15.22	500.00	100.0	H	204.00	9
7517.00	---	43.71	54.00	10.29	500.00	200.0	H	47.00	11

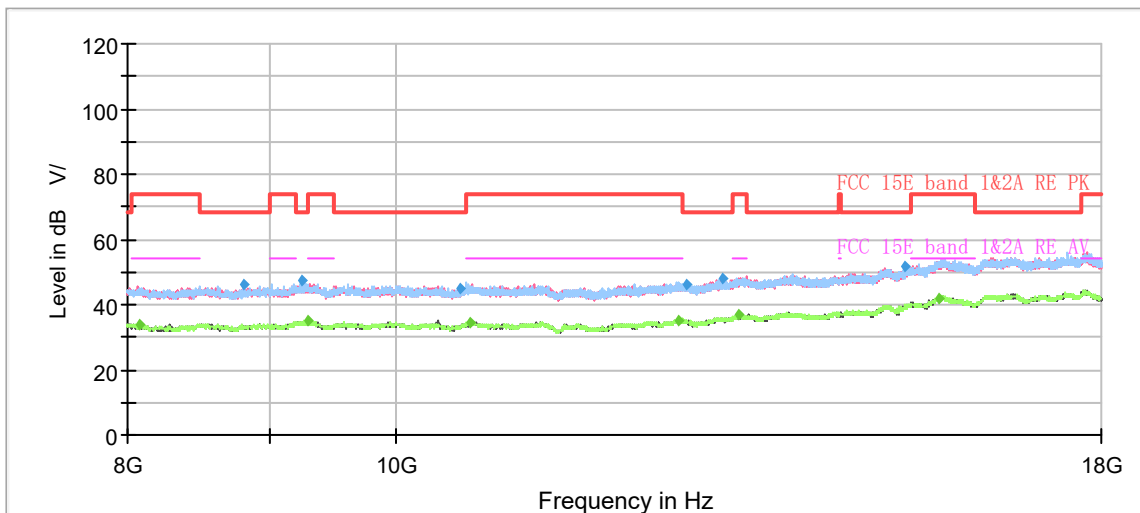
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

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



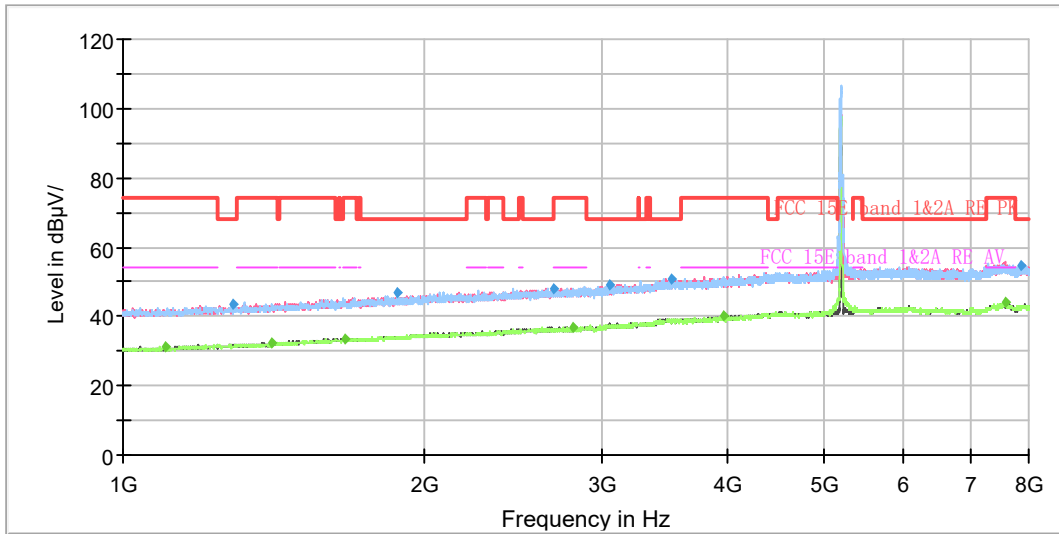
Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1061.25	---	30.97	54.00	23.03	500.00	200.0	H	225.00	-8
1294.88	43.09	---	68.20	25.11	500.00	100.0	H	207.00	-7
1406.88	---	32.20	54.00	21.80	500.00	200.0	H	220.00	-6
1661.50	---	33.58	54.00	20.42	500.00	200.0	H	110.00	-5
1922.25	46.39	---	68.20	21.81	500.00	100.0	V	254.00	-3
2638.88	48.53	---	68.20	19.67	500.00	100.0	V	185.00	0
2806.88	---	36.96	54.00	17.04	500.00	100.0	H	182.00	0
3502.50	51.39	---	68.20	16.81	500.00	200.0	V	15.00	4
3905.88	---	39.96	54.00	14.04	500.00	200.0	H	244.00	5
4458.00	52.14	---	68.20	16.06	500.00	100.0	H	192.00	7
7562.50	---	43.60	54.00	10.40	500.00	100.0	H	108.00	11
7801.38	55.10	---	68.20	13.10	500.00	200.0	V	230.00	11

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

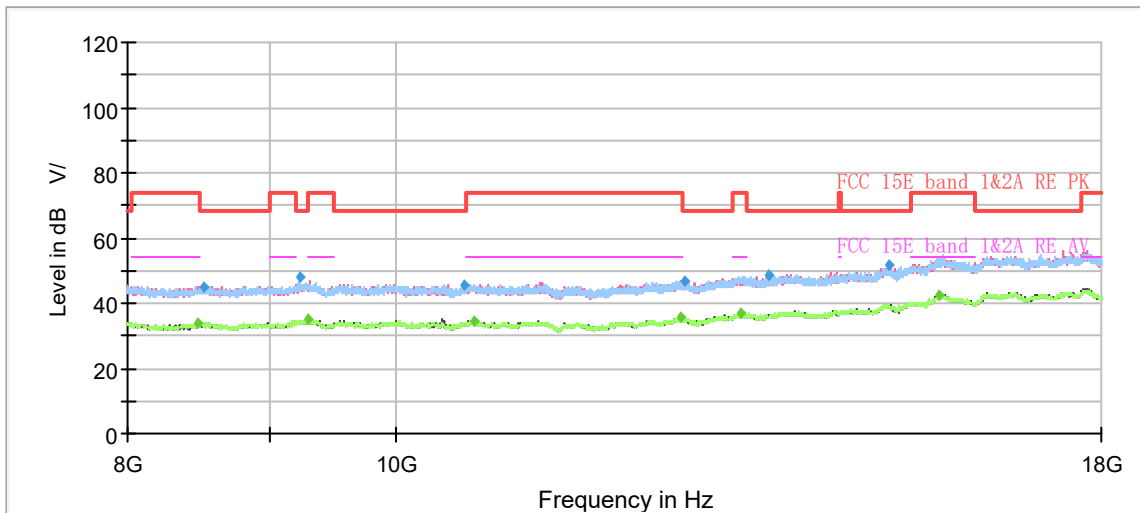
2. Margin = Limit - MAX Peak/ Average



## 802.11n (HT20) CH40



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



Radiates Emission from 8GHz to 18GHz

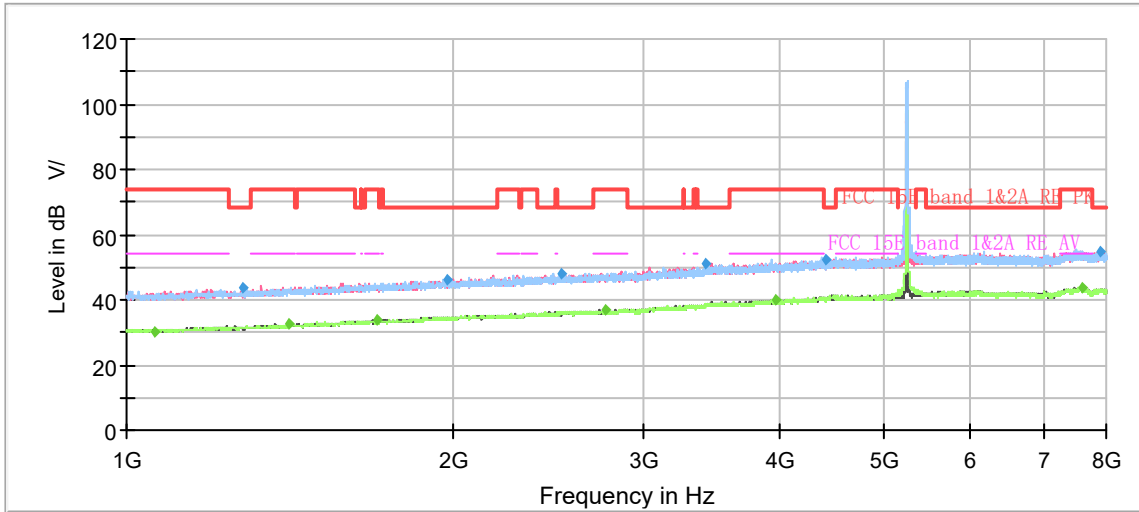


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1103.25	---	31.03	54.00	22.97	500.00	200.0	V	199.00	-8
1285.25	43.27	---	68.20	24.93	500.00	100.0	H	254.00	-7
1407.75	---	32.37	54.00	21.64	500.00	100.0	H	312.00	-6
1663.25	---	33.61	54.00	20.39	500.00	200.0	H	72.00	-5
1879.38	46.88	---	68.20	21.32	500.00	200.0	V	150.00	-4
2689.63	48.05	---	68.20	20.15	500.00	100.0	V	60.00	0
2811.25	---	37.01	54.00	16.99	500.00	200.0	H	329.00	0
3061.50	49.15	---	68.20	19.05	500.00	200.0	H	256.00	0
3519.13	50.94	---	68.20	17.26	500.00	200.0	H	159.00	4
3965.38	---	39.93	54.00	14.07	500.00	200.0	V	150.00	5
7595.75	---	43.82	54.00	10.18	500.00	200.0	V	127.00	11
7870.50	54.80	---	68.20	13.40	500.00	200.0	V	43.00	11

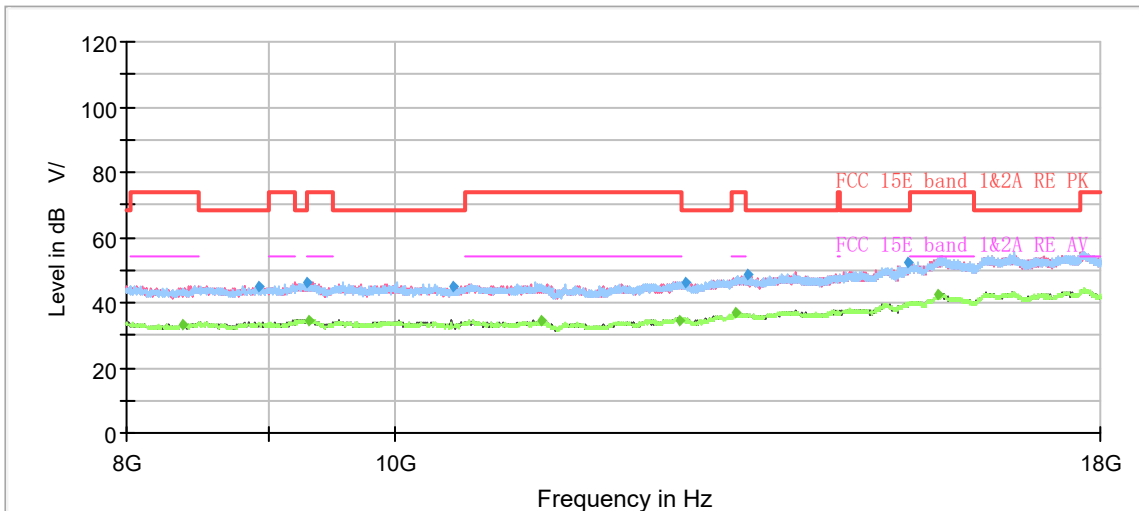
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

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

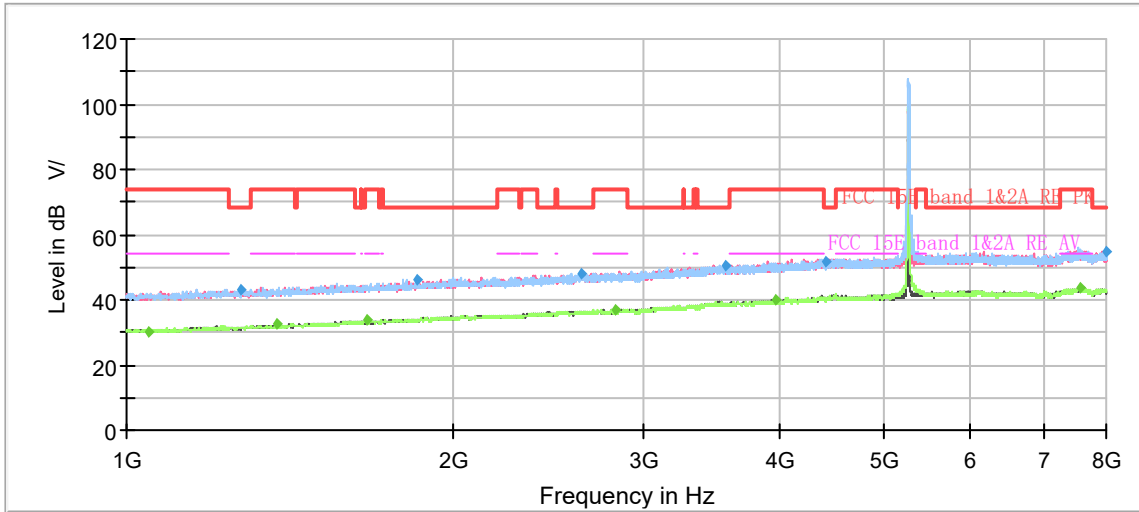


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1063.00	---	30.42	54.00	23.58	500.00	200.0	V	173.00	-8
1280.00	43.70	---	68.20	24.50	500.00	100.0	V	105.00	-7
1410.38	---	32.60	54.00	21.40	500.00	100.0	V	21.00	-6
1700.88	---	33.60	54.00	20.40	500.00	100.0	V	178.00	-5
1976.50	46.17	---	68.20	22.03	500.00	200.0	V	259.00	-3
2519.88	48.15	---	68.20	20.05	500.00	100.0	V	105.00	-1
2757.88	---	36.77	54.00	17.23	500.00	100.0	H	311.00	0
3422.88	51.28	---	68.20	16.92	500.00	100.0	H	268.00	3
3966.25	---	39.95	54.00	14.05	500.00	200.0	V	138.00	5
4416.88	52.13	---	68.20	16.07	500.00	200.0	H	247.00	6
7603.63	---	43.83	54.00	10.17	500.00	200.0	V	293.00	11
7898.50	54.65	---	68.20	13.55	500.00	200.0	V	211.00	11

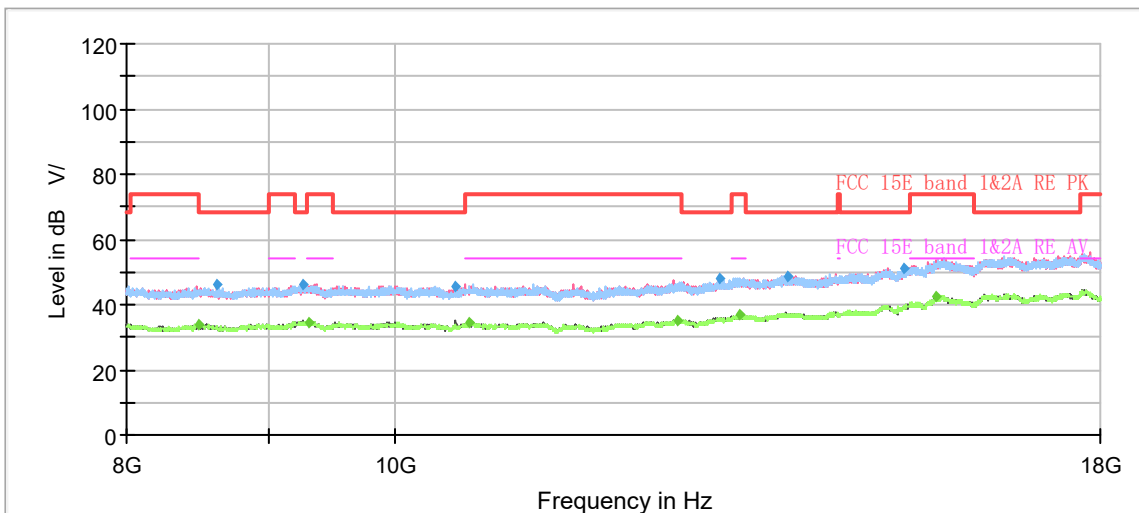
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit - MAX Peak/ Average**

## 802.11n (HT20) CH52



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



Radiates Emission from 8GHz to 18GHz

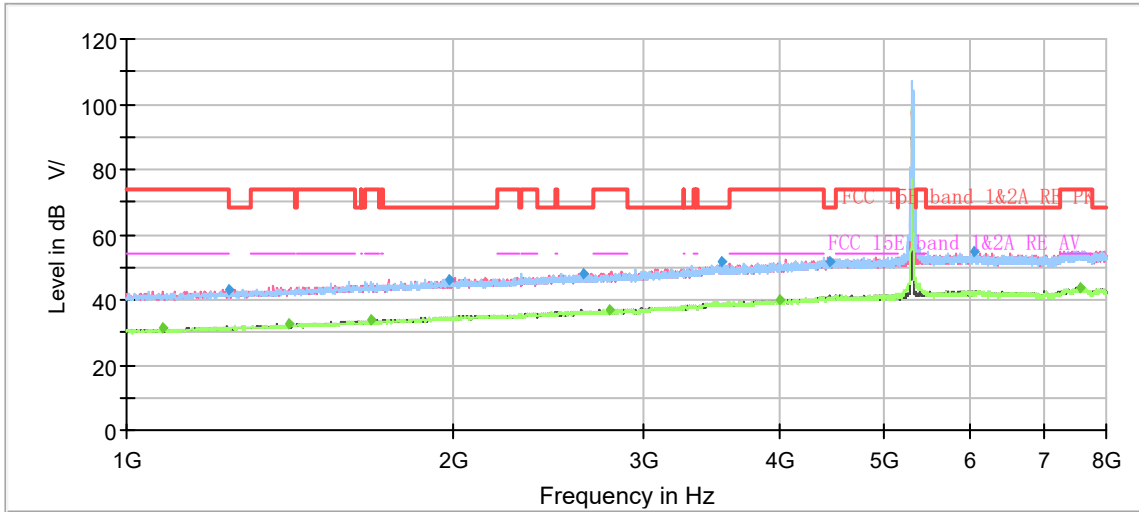


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1049.88	---	30.44	54.00	23.56	500.00	200.0	V	330.00	-8
1273.88	42.95	---	68.20	25.25	500.00	100.0	V	215.00	-7
1377.13	---	32.64	54.00	21.36	500.00	200.0	H	300.00	-6
1662.38	---	33.85	54.00	20.15	500.00	100.0	H	318.00	-5
1855.75	46.36	---	68.20	21.84	500.00	200.0	H	105.00	-4
2627.50	48.10	---	68.20	20.10	500.00	100.0	H	231.00	0
2827.00	---	37.12	54.00	16.88	500.00	200.0	V	0.00	1
3563.75	50.65	---	68.20	17.55	500.00	100.0	H	241.00	4
3966.25	---	40.11	54.00	13.89	500.00	200.0	H	95.00	5
4416.00	51.92	---	68.20	16.28	500.00	200.0	V	251.00	6
7554.63	---	43.75	54.00	10.25	500.00	100.0	V	0.00	11
7993.88	54.62	---	68.20	13.58	500.00	100.0	V	205.00	11

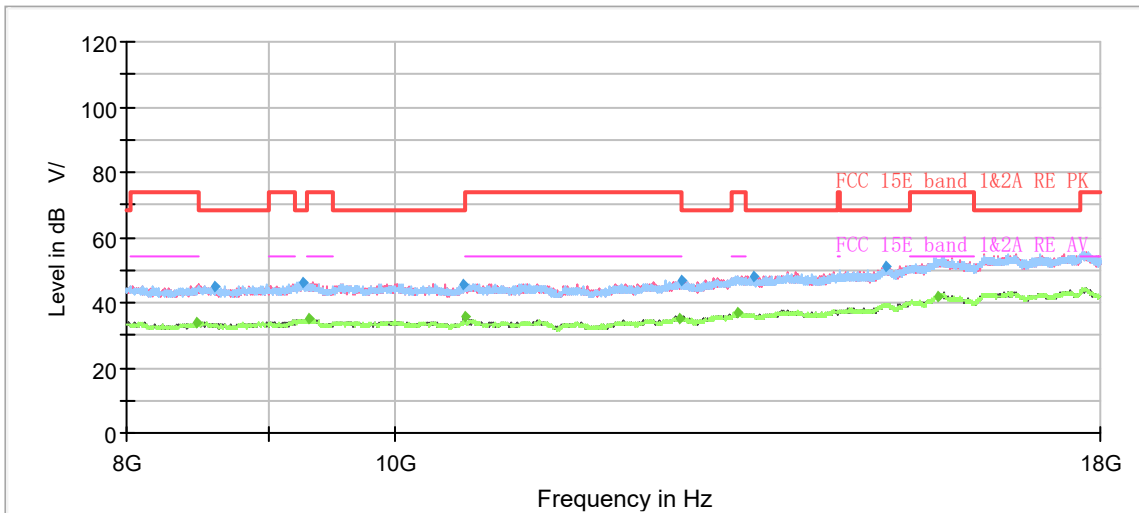
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

## 802.11n (HT20) CH60



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



Radiates Emission from 8GHz to 18GHz



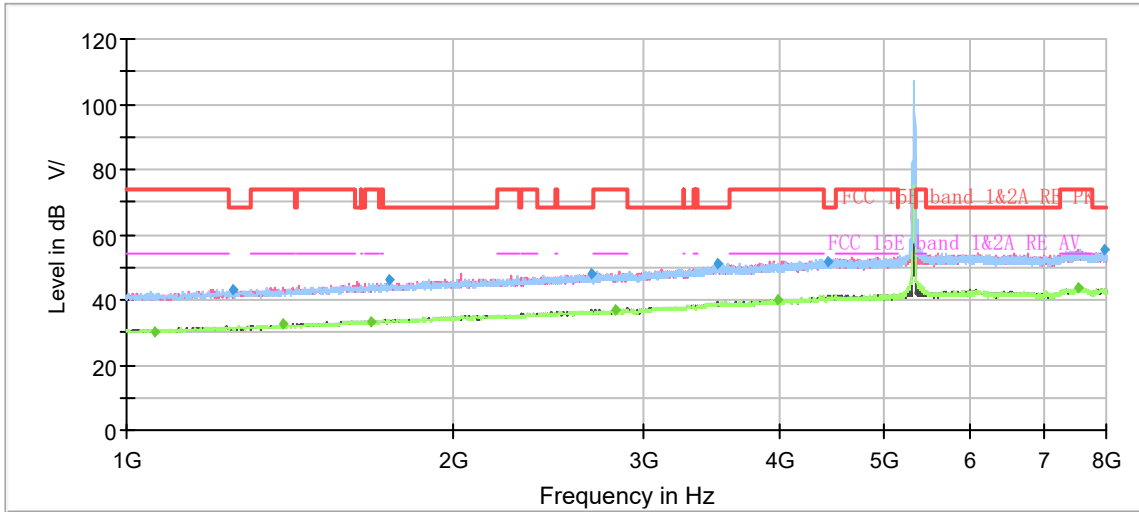
Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1080.50	---	31.13	54.00	22.87	500.00	100.0	V	111.00	-8
1244.13	43.06	---	68.20	25.15	500.00	100.0	H	238.00	-7
1413.00	---	32.39	54.00	21.61	500.00	200.0	V	206.00	-6
1678.13	---	33.60	54.00	20.40	500.00	100.0	V	77.00	-5
1980.88	46.39	---	68.20	21.81	500.00	200.0	H	54.00	-3
2642.38	48.28	---	68.20	19.92	500.00	100.0	H	176.00	0
2791.13	---	36.80	54.00	17.20	500.00	100.0	V	136.00	0
3536.63	51.64	---	68.20	16.56	500.00	200.0	H	170.00	4
3998.63	---	40.06	54.00	13.94	500.00	100.0	H	314.00	5
4455.38	51.94	---	68.20	16.26	500.00	100.0	H	214.00	6
6031.25	54.89	---	68.20	13.31	500.00	200.0	V	352.00	9
7566.88	---	43.74	54.00	10.26	500.00	200.0	V	240.00	11

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

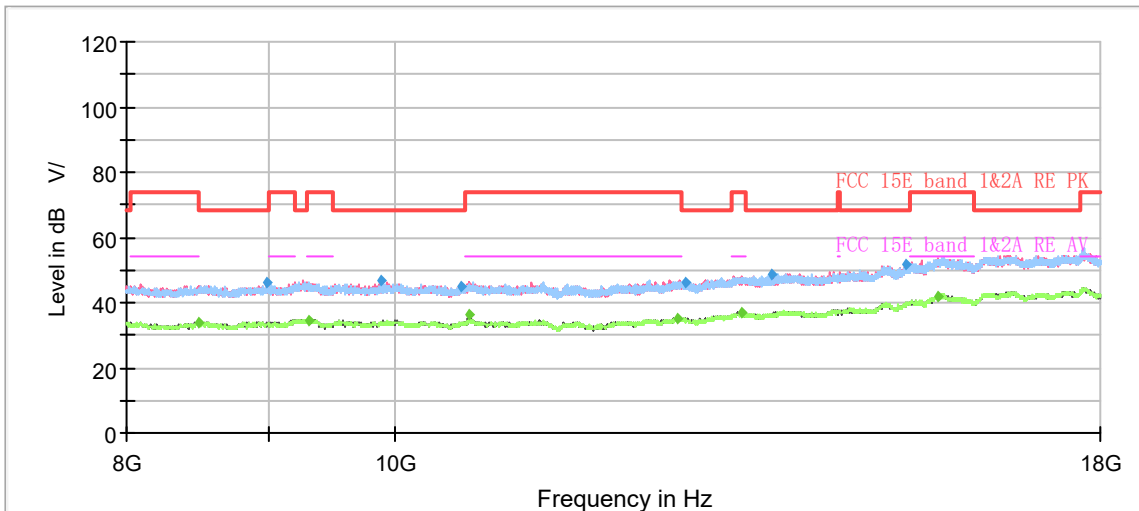
**2. Margin = Limit –MAX Peak/ Average**



802.11n (HT20) CH64



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



Radiates Emission from 8GHz to 18GHz

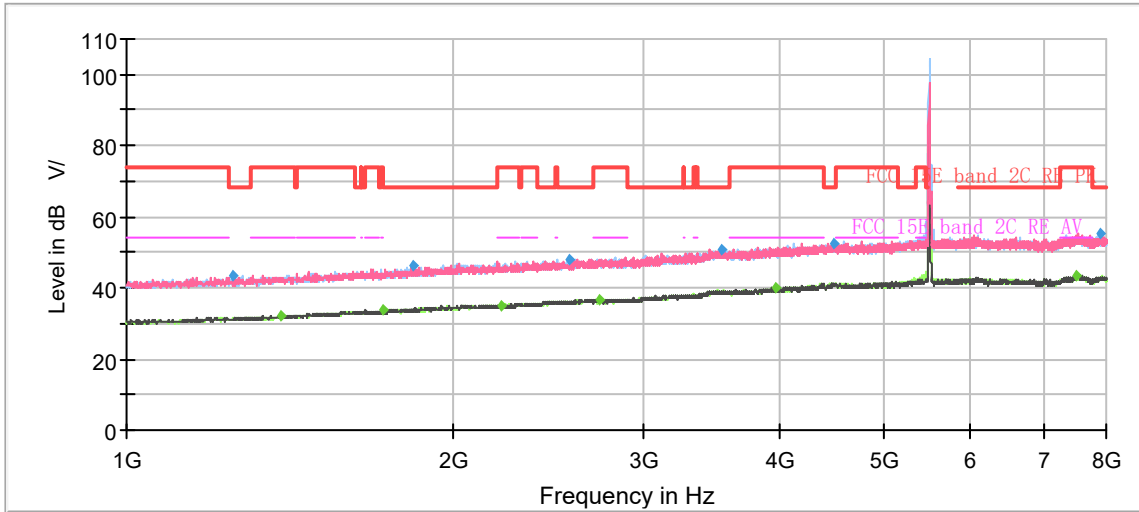


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1060.38	---	30.45	54.00	23.55	500.00	200.0	V	324.00	-8
1250.25	43.15	---	68.20	25.05	500.00	200.0	H	206.00	-7
1393.75	---	32.45	54.00	21.55	500.00	200.0	V	334.00	-6
1680.75	---	33.53	54.00	20.47	500.00	200.0	V	247.00	-5
1742.00	46.20	---	68.20	22.00	500.00	200.0	H	148.00	-4
2678.25	47.96	---	68.20	20.24	500.00	200.0	V	124.00	0
2822.63	---	36.83	54.00	17.17	500.00	100.0	H	332.00	1
3503.38	50.78	---	68.20	17.42	500.00	100.0	V	77.00	4
3975.00	---	39.94	54.00	14.06	500.00	200.0	H	177.00	5
4438.75	51.93	---	68.20	16.27	500.00	200.0	H	197.00	6
7542.38	---	43.57	54.00	10.43	500.00	100.0	H	113.00	11
7971.13	55.16	---	68.20	13.04	500.00	200.0	V	185.00	11

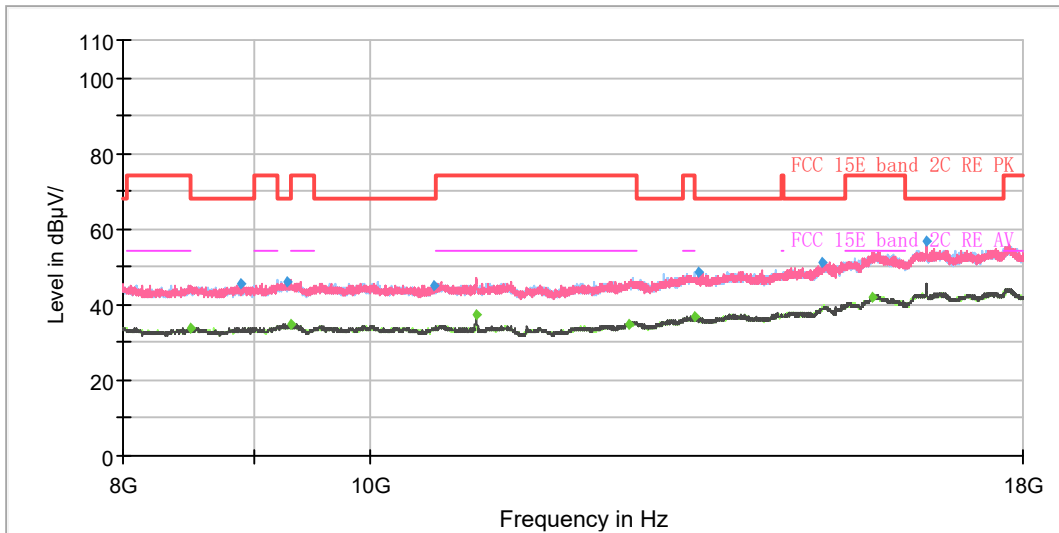
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

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

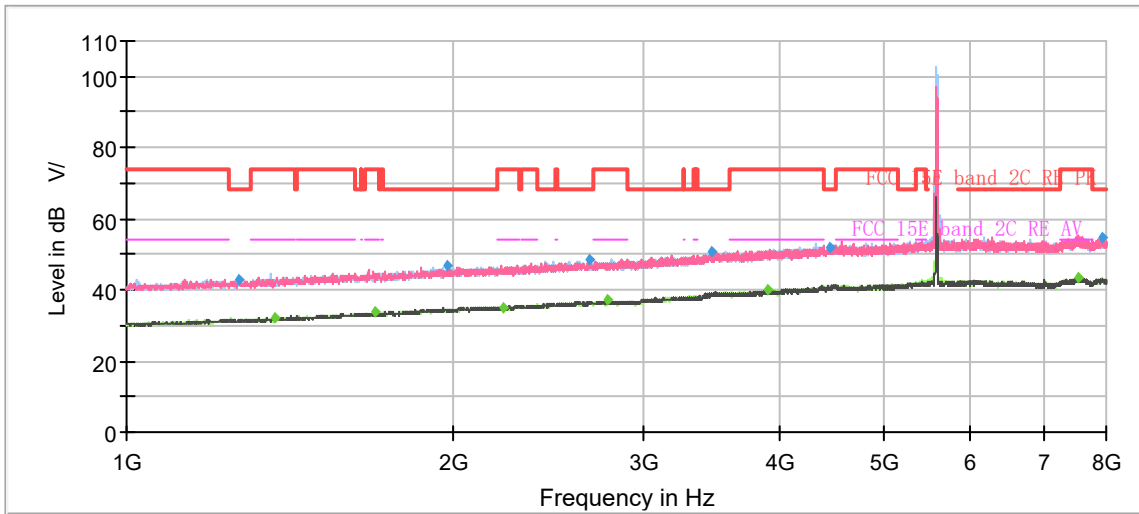


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1253.75	43.58	---	68.20	24.62	500.00	200.0	H	65.00	-7
1390.25	---	32.31	54.00	21.69	500.00	200.0	H	215.00	-6
1721.00	---	33.76	54.00	20.24	500.00	100.0	V	137.00	-4
1833.88	46.29	---	68.20	21.91	500.00	200.0	V	108.00	-4
2216.25	---	34.97	54.00	19.03	500.00	100.0	H	199.00	-2
2564.50	48.15	---	68.20	20.05	500.00	200.0	H	94.00	0
2728.13	---	36.84	54.00	17.16	500.00	100.0	V	190.00	0
3540.13	50.73	---	68.20	17.47	500.00	200.0	H	293.00	4
3969.75	---	39.82	54.00	14.18	500.00	100.0	V	165.00	5
4482.50	52.40	---	68.20	15.80	500.00	200.0	H	94.00	7
7491.63	---	43.71	54.00	10.29	500.00	100.0	V	170.00	11
7890.63	55.12	---	68.20	13.08	500.00	100.0	V	319.00	11

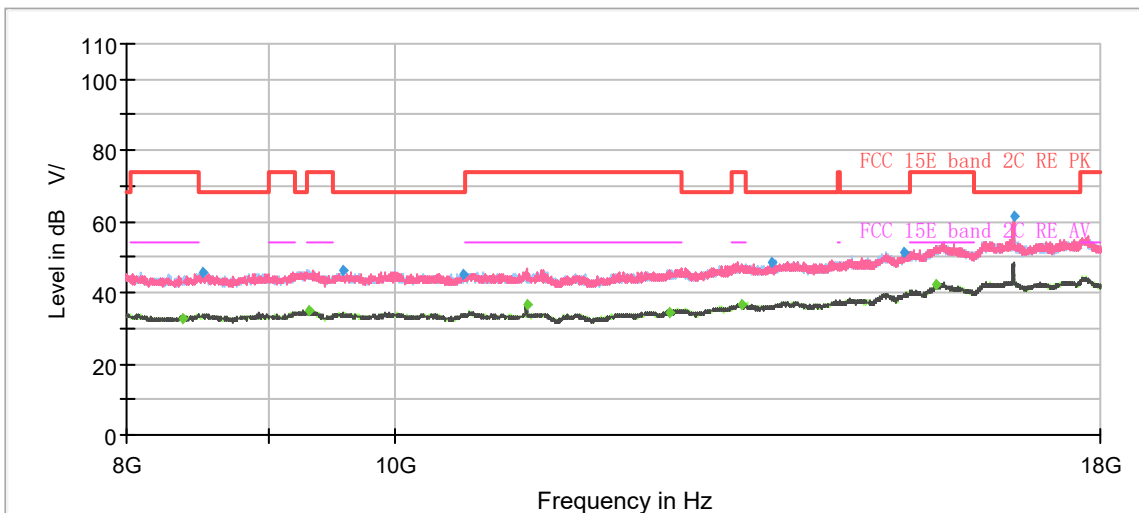
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**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

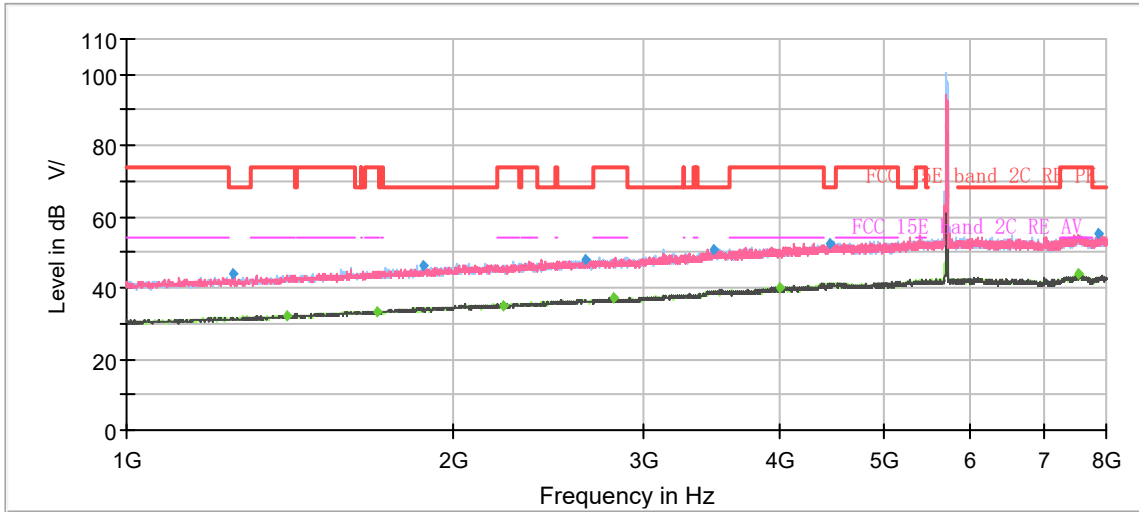


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1270.38	42.92	---	68.20	25.28	500.00	200.0	H	203.00	-7
1370.13	---	32.18	54.00	21.82	500.00	200.0	V	236.00	-6
1693.00	---	33.92	54.00	20.08	500.00	100.0	V	65.00	-5
1975.63	46.56	---	68.20	21.64	500.00	200.0	H	11.00	-3
2227.63	---	34.85	54.00	19.15	500.00	200.0	H	203.00	-2
2675.63	48.25	---	68.20	19.95	500.00	200.0	V	170.00	0
2771.88	---	37.17	54.00	16.83	500.00	100.0	V	292.00	0
3464.88	51.00	---	68.20	17.20	500.00	200.0	H	203.00	3
3906.75	---	39.98	54.00	14.02	500.00	100.0	V	0.00	5
4451.88	51.79	---	68.20	16.41	500.00	100.0	V	0.00	6
7522.25	---	43.42	54.00	10.58	500.00	200.0	H	138.00	11
7920.38	54.84	---	68.20	13.36	500.00	100.0	V	109.00	11
16747.50	61.24	---	68.20	6.96	500.00	100.0	V	255.00	13

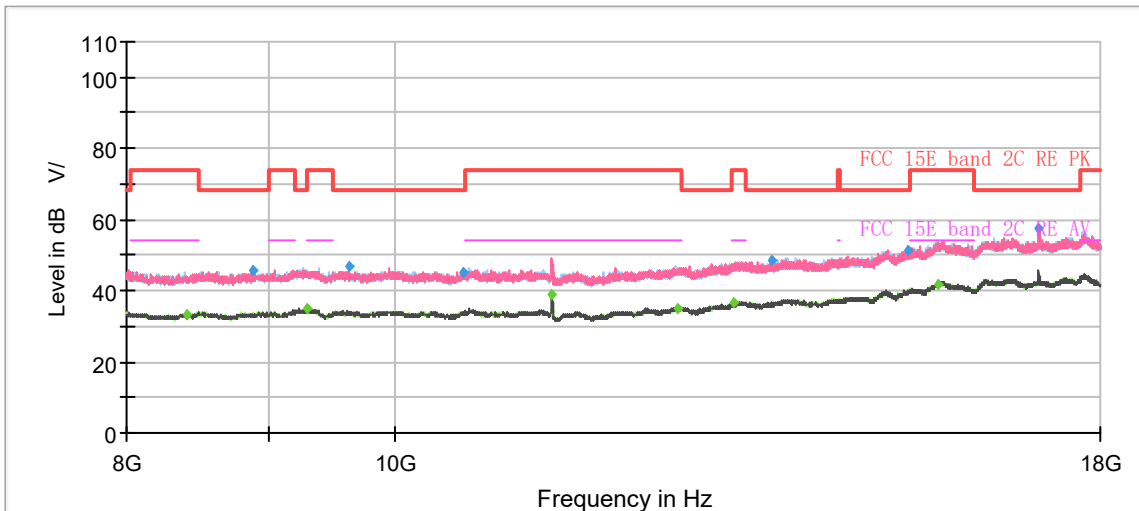
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

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



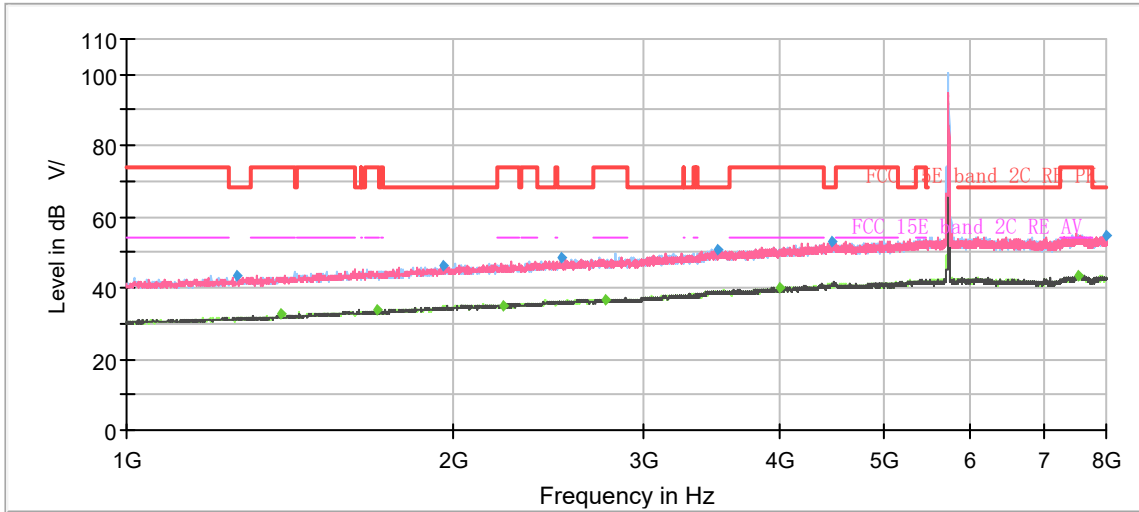
Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1250.25	44.14	---	68.20	24.06	500.00	100.0	V	263.00	-7
1405.13	---	32.32	54.00	21.68	500.00	100.0	H	70.00	-6
1702.63	---	33.52	54.00	20.48	500.00	100.0	V	234.00	-5
1880.25	46.12	---	68.20	22.08	500.00	200.0	V	94.00	-4
2225.00	---	35.25	54.00	18.75	500.00	100.0	V	210.00	-2
2652.88	47.98	---	68.20	20.22	500.00	100.0	V	181.00	0
2805.13	---	37.06	54.00	16.94	500.00	100.0	H	0.00	0
3478.88	50.88	---	68.20	17.32	500.00	100.0	V	342.00	3
3996.88	---	40.13	54.00	13.87	500.00	100.0	V	55.00	5
4455.38	52.52	---	68.20	15.68	500.00	200.0	H	309.00	6
7550.25	---	43.89	54.00	10.11	500.00	100.0	V	196.00	11
7868.75	55.10	---	68.20	13.10	500.00	200.0	H	223.00	11

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

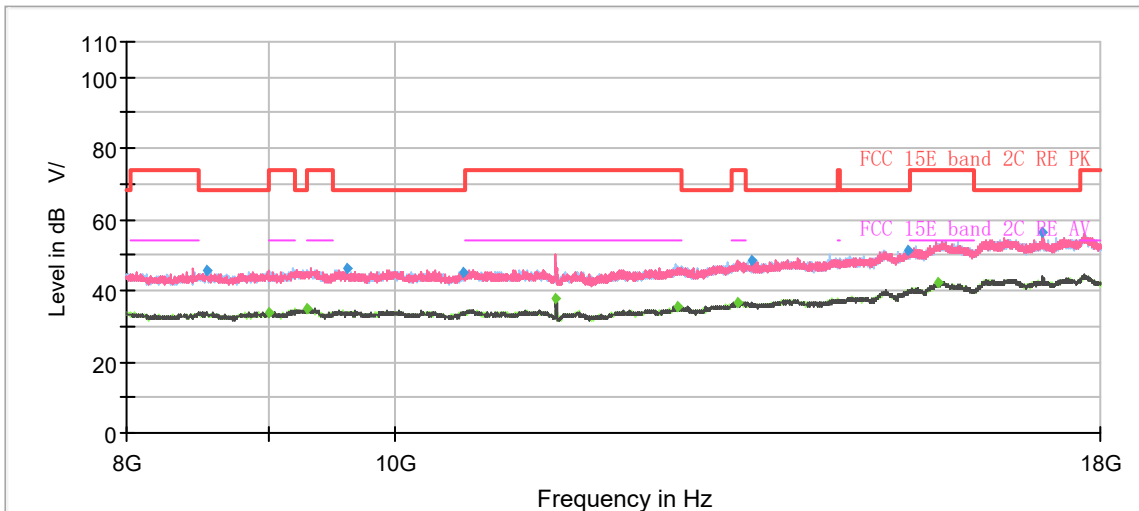
2. Margin = Limit - MAX Peak/ Average



## 802.11n (HT20) CH144



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



Radiates Emission from 8GHz to 18GHz

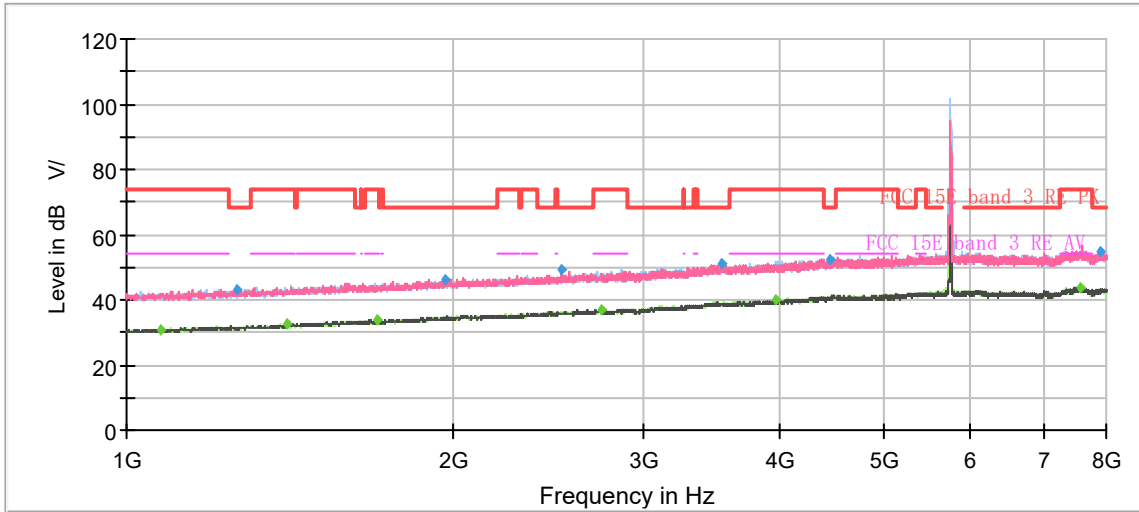


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1265.13	43.47	---	68.20	24.73	500.00	200.0	H	42.00	-7
1389.38	---	32.44	54.00	21.56	500.00	100.0	V	52.00	-6
1701.75	---	33.58	54.00	20.42	500.00	200.0	H	282.00	-5
1960.75	46.16	---	68.20	22.04	500.00	100.0	V	352.00	-3
2221.50	---	34.92	54.00	19.08	500.00	100.0	H	23.00	-2
2511.13	48.57	---	68.20	19.63	500.00	200.0	V	198.00	-1
2761.38	---	36.65	54.00	17.35	500.00	200.0	H	253.00	0
3513.00	50.76	---	68.20	17.44	500.00	100.0	V	114.00	4
3994.25	---	40.14	54.00	13.86	500.00	200.0	H	122.00	5
4472.88	52.76	---	68.20	15.44	500.00	100.0	V	300.00	7
7547.63	---	43.69	54.00	10.31	500.00	100.0	V	233.00	11
7999.13	54.53	---	68.20	13.67	500.00	100.0	H	258.00	11

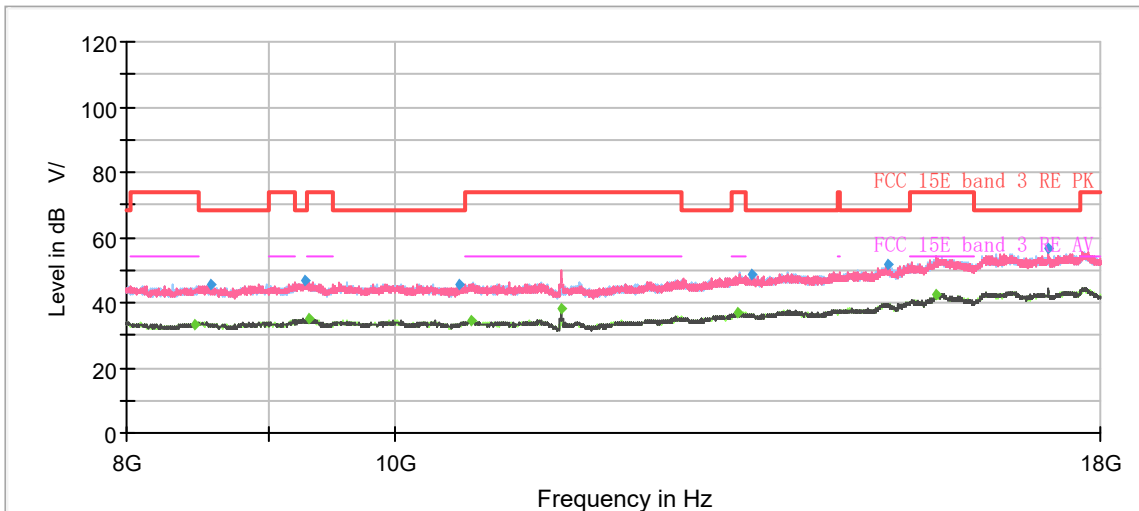
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**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

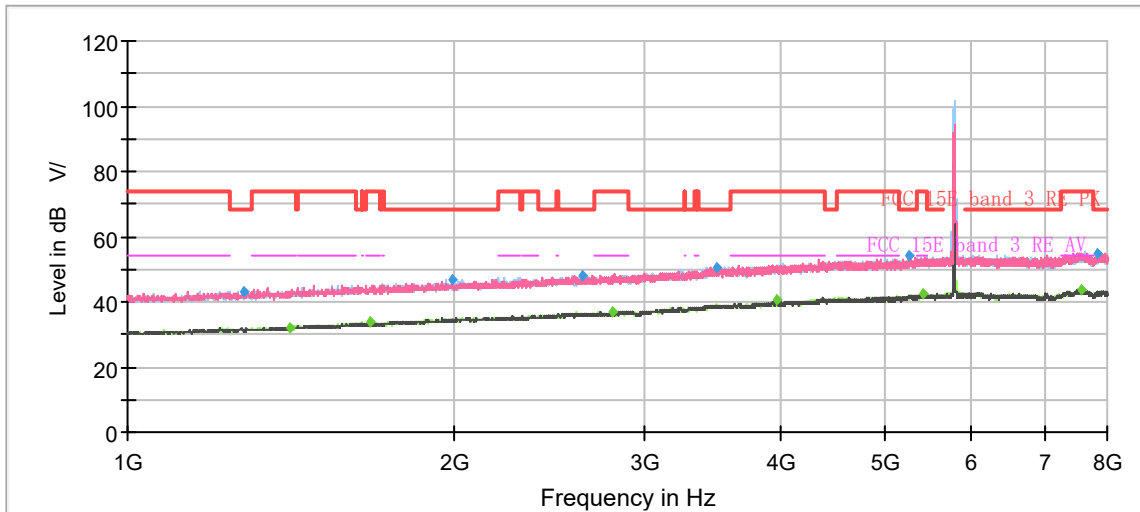


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1074.38	---	30.61	54.00	23.39	500.00	200.0	H	181.00	-8
1262.50	43.19	---	68.20	25.01	500.00	100.0	H	163.00	-7
1407.75	---	32.39	54.00	21.61	500.00	100.0	H	116.00	-6
1699.13	---	33.66	54.00	20.34	500.00	100.0	V	126.00	-5
1970.38	46.27	---	68.20	21.93	500.00	100.0	V	0.00	-3
2512.00	49.13	---	68.20	19.07	500.00	100.0	V	46.00	-1
2743.88	---	36.88	54.00	17.12	500.00	100.0	V	81.00	0
3534.88	51.01	---	68.20	17.19	500.00	200.0	V	97.00	4
3959.25	---	39.80	54.00	14.20	500.00	100.0	H	304.00	5
4446.63	52.23	---	68.20	15.97	500.00	200.0	H	227.00	6
7554.63	---	43.78	54.00	10.22	500.00	100.0	V	107.00	11
7906.38	54.73	---	68.20	13.47	500.00	100.0	V	224.00	11

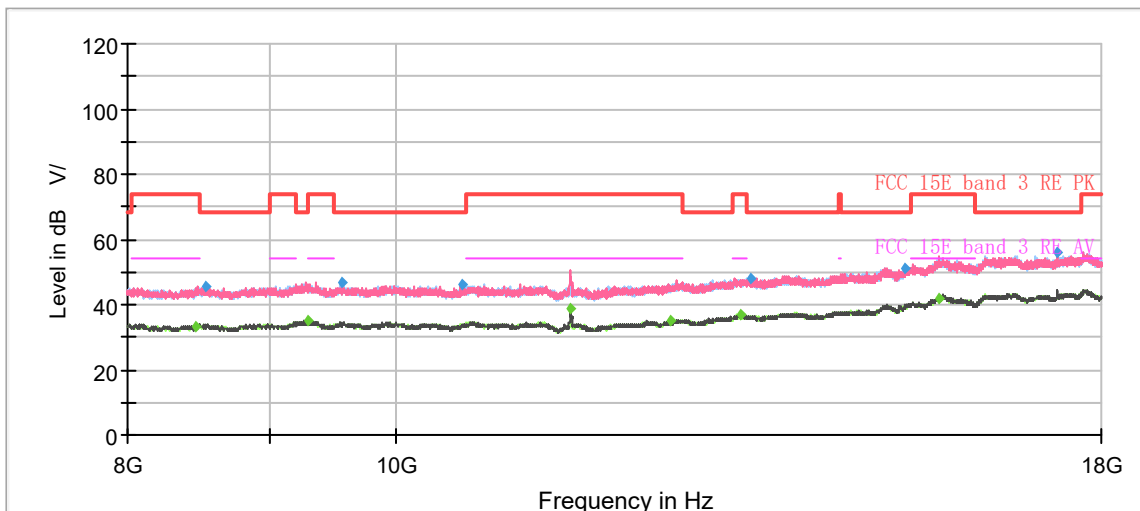
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

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



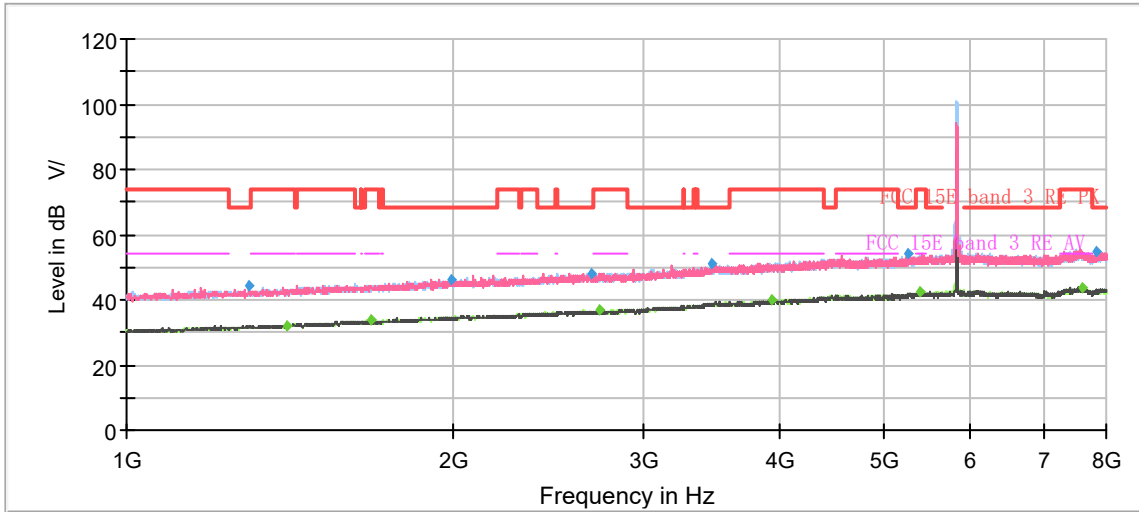
Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1278.25	43.11	---	68.20	25.09	500.00	100.0	H	161.00	-7
1413.88	---	32.23	54.00	21.77	500.00	200.0	V	135.00	-6
1672.00	---	33.63	54.00	20.37	500.00	100.0	H	129.00	-5
1988.75	46.56	---	68.20	21.64	500.00	200.0	H	79.00	-3
2631.00	48.19	---	68.20	20.01	500.00	100.0	H	6.00	0
2802.50	---	36.73	54.00	17.27	500.00	100.0	V	265.00	0
3484.13	50.75	---	68.20	17.45	500.00	200.0	H	113.00	4
3965.38	---	40.38	54.00	13.62	500.00	100.0	V	235.00	5
5244.63	54.05	---	68.20	14.15	500.00	100.0	V	294.00	8
5417.88	---	42.33	54.00	11.67	500.00	100.0	H	6.00	9
7572.13	---	43.72	54.00	10.28	500.00	100.0	V	112.00	11
7835.50	55.01	---	68.20	13.19	500.00	200.0	V	130.00	11

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

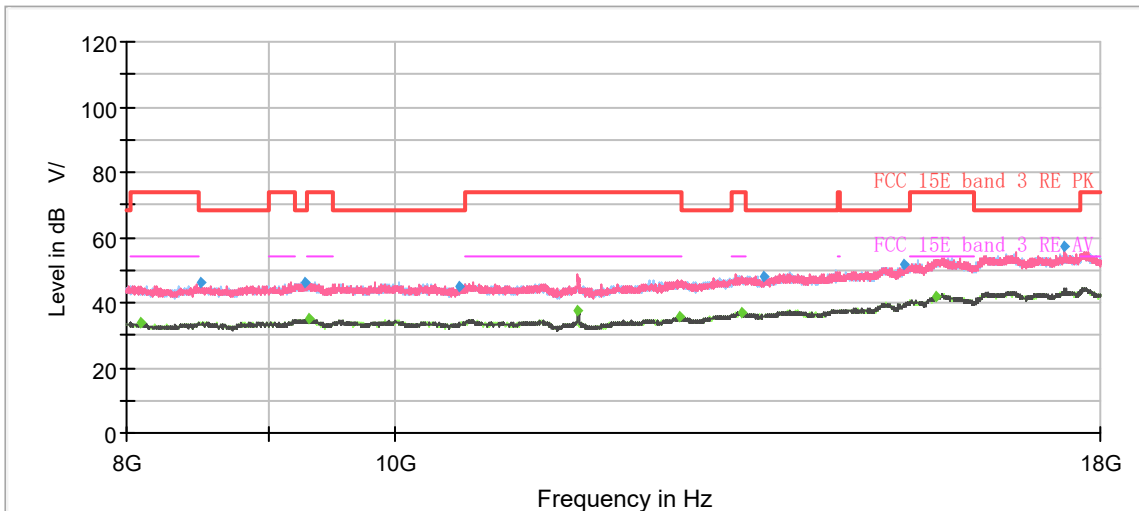
2. Margin = Limit - MAX Peak/ Average



### 802.11n (HT20) CH165



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



Radiates Emission from 8GHz to 18GHz



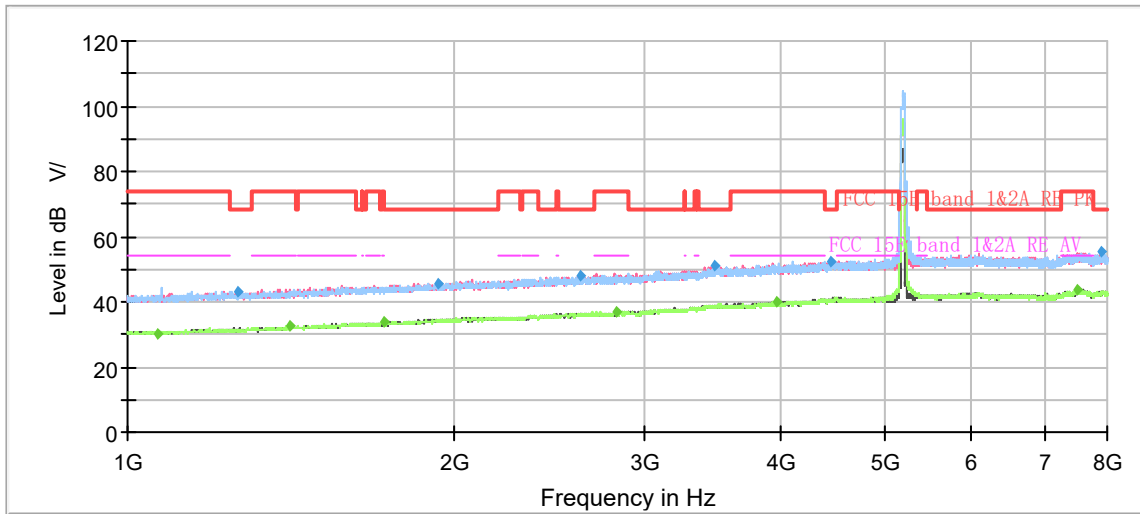
Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1297.50	44.26	---	68.20	23.94	500.00	200.0	H	197.00	-7
1406.00	---	32.24	54.00	21.76	500.00	100.0	H	245.00	-6
1681.63	---	33.68	54.00	20.32	500.00	100.0	H	302.00	-5
1990.50	46.30	---	68.20	21.90	500.00	100.0	H	95.00	-3
2683.50	48.12	---	68.20	20.08	500.00	100.0	V	104.00	0
2733.38	---	36.82	54.00	17.18	500.00	200.0	H	202.00	0
3457.88	50.97	---	68.20	17.23	500.00	100.0	H	0.00	3
3932.13	---	39.93	54.00	14.07	500.00	200.0	V	154.00	5
5244.63	54.00	---	68.20	14.20	500.00	200.0	H	0.00	8
5381.13	---	42.26	54.00	11.74	500.00	200.0	H	56.00	9
7614.13	---	43.79	54.00	10.21	500.00	200.0	V	184.00	11
7832.88	54.64	---	68.20	13.56	500.00	100.0	H	245.00	11

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

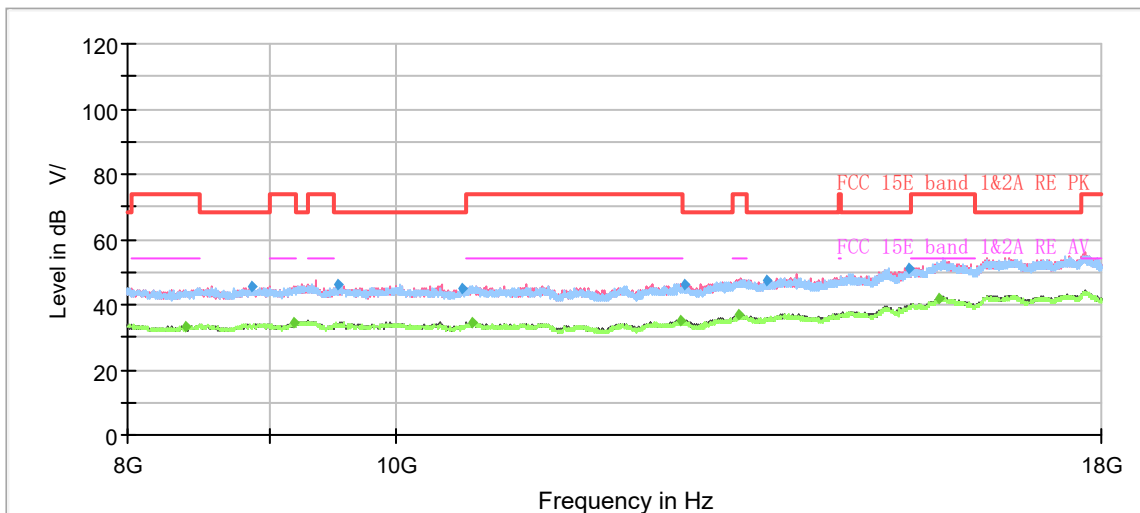
**2. Margin = Limit -MAX Peak/ Average**



## 802.11n (HT40) CH38



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



Radiates Emission from 8GHz to 18GHz

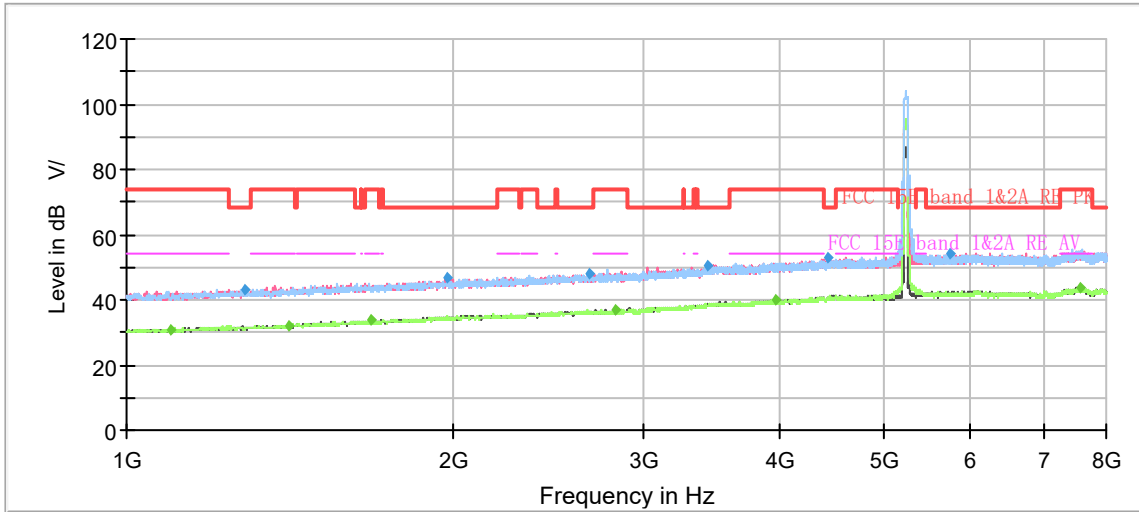


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1063.88	---	30.39	54.00	23.61	500.00	100.0	V	321.00	-8
1264.25	42.96	---	68.20	25.24	500.00	200.0	V	91.00	-7
1409.50	---	32.54	54.00	21.46	500.00	200.0	V	255.00	-6
1721.88	---	33.72	54.00	20.28	500.00	100.0	V	17.00	-4
1933.63	45.74	---	68.20	22.46	500.00	200.0	H	290.00	-3
2609.13	48.23	---	68.20	19.97	500.00	100.0	H	196.00	0
2821.75	---	36.79	54.00	17.21	500.00	200.0	V	125.00	1
3475.38	50.94	---	68.20	17.26	500.00	100.0	H	220.00	3
3966.25	---	39.98	54.00	14.02	500.00	200.0	H	220.00	5
4447.50	52.45	---	68.20	15.75	500.00	100.0	V	75.00	6
7498.63	---	43.76	54.00	10.24	500.00	200.0	V	62.00	11
7896.75	55.08	---	68.20	13.12	500.00	200.0	H	290.00	11

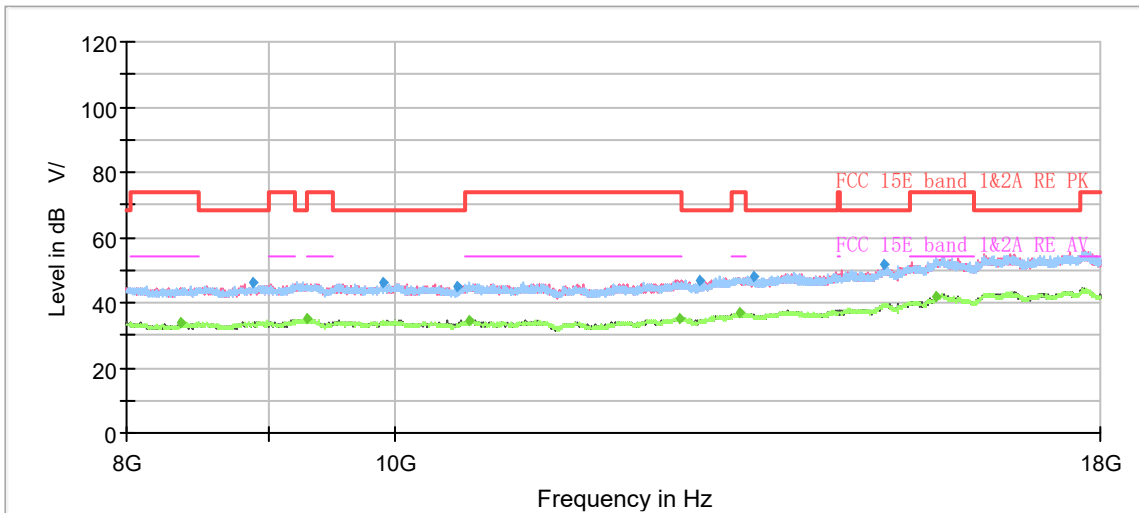
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

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

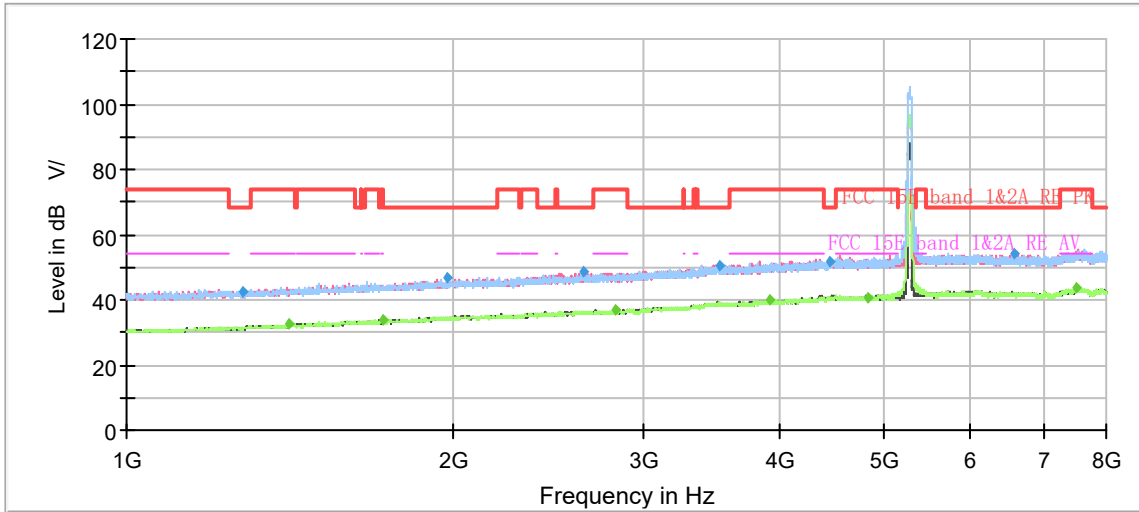


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1096.25	---	30.92	54.00	23.08	500.00	100.0	V	32.00	-8
1287.00	43.09	---	68.20	25.11	500.00	200.0	H	247.00	-7
1411.25	---	32.14	54.00	21.86	500.00	100.0	H	249.00	-6
1679.88	---	33.55	54.00	20.45	500.00	100.0	H	17.00	-5
1976.50	46.78	---	68.20	21.42	500.00	100.0	H	7.00	-3
2666.88	48.09	---	68.20	20.11	500.00	200.0	V	286.00	0
2823.50	---	36.69	54.00	17.31	500.00	100.0	H	50.00	1
3436.88	50.50	---	68.20	17.70	500.00	100.0	V	274.00	3
3960.13	---	39.92	54.00	14.08	500.00	100.0	V	204.00	5
4436.13	52.64	---	68.20	15.56	500.00	200.0	V	88.00	6
5752.13	54.46	---	68.20	13.74	500.00	100.0	H	69.00	9
7570.38	---	43.51	54.00	10.49	500.00	100.0	H	173.00	11

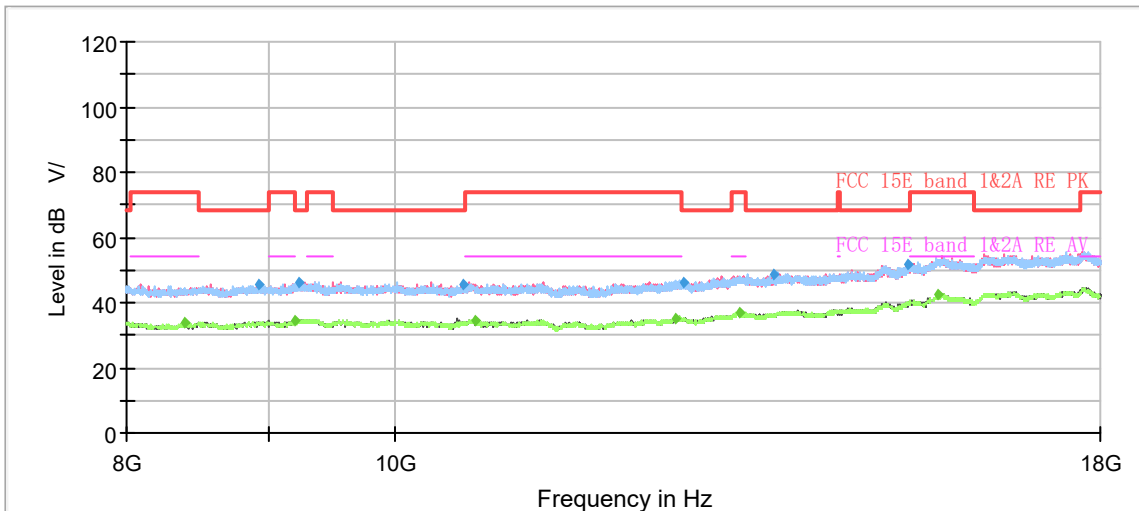
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT40) CH54



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



Radiates Emission from 8GHz to 18GHz

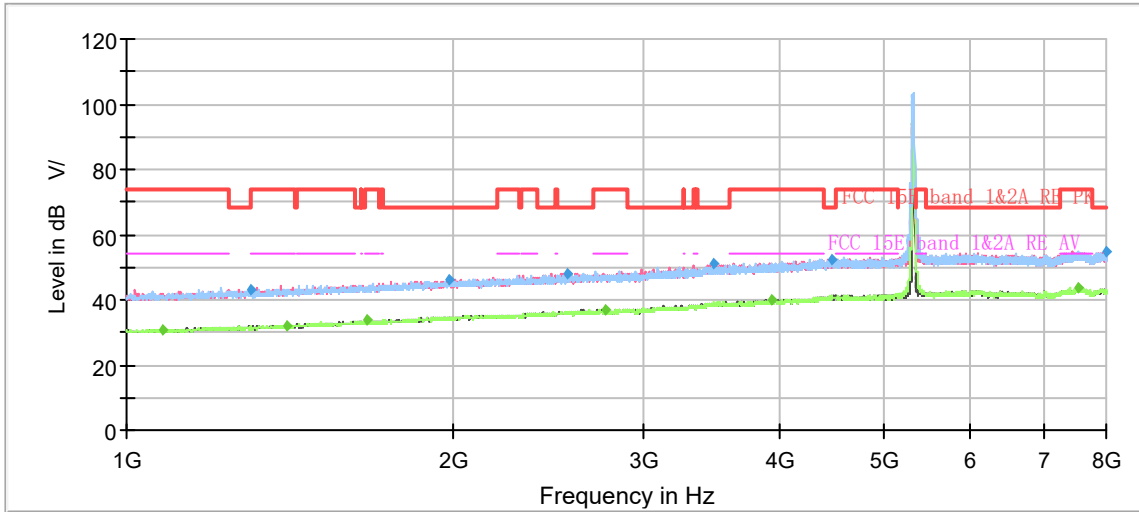


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1281.75	42.62	---	68.20	25.58	500.00	100.0	H	14.00	-7
1412.13	---	32.45	54.00	21.55	500.00	100.0	H	206.00	-6
1720.13	---	33.62	54.00	20.38	500.00	100.0	V	154.00	-4
1973.88	46.59	---	68.20	21.61	500.00	200.0	H	174.00	-3
2635.38	48.40	---	68.20	19.80	500.00	200.0	V	285.00	0
2821.75	---	37.08	54.00	16.92	500.00	100.0	V	279.00	1
3514.75	50.63	---	68.20	17.57	500.00	200.0	V	87.00	4
3912.00	---	39.80	54.00	14.20	500.00	200.0	V	280.00	5
4440.50	51.64	---	68.20	16.56	500.00	100.0	V	269.00	6
4822.88	---	40.86	54.00	13.14	500.00	200.0	V	98.00	7
6589.50	54.17	---	68.20	14.03	500.00	200.0	V	183.00	9
7495.13	---	43.60	54.00	10.40	500.00	100.0	H	177.00	11

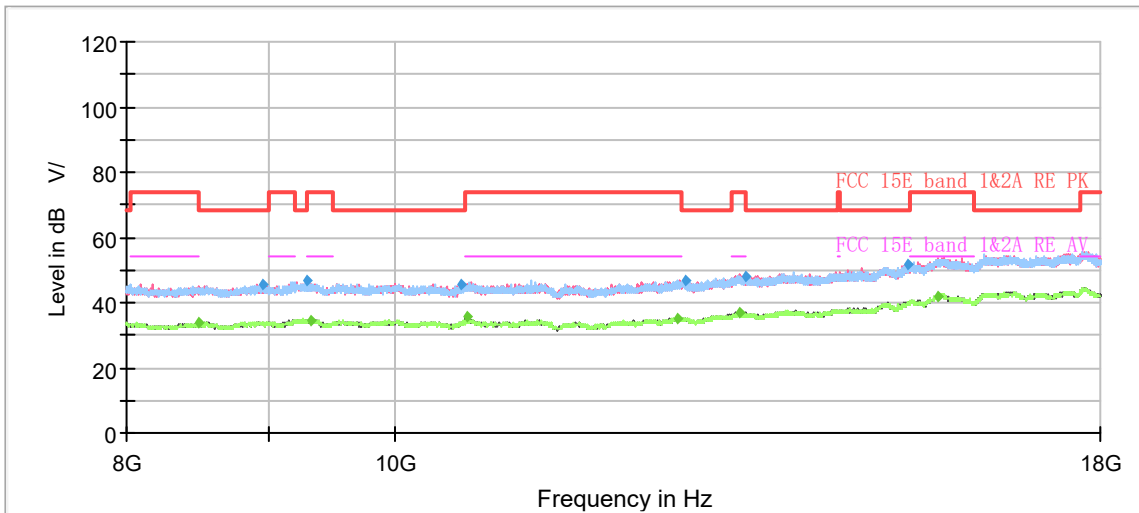
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

## 802.11n (HT40) CH62



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



Radiates Emission from 8GHz to 18GHz



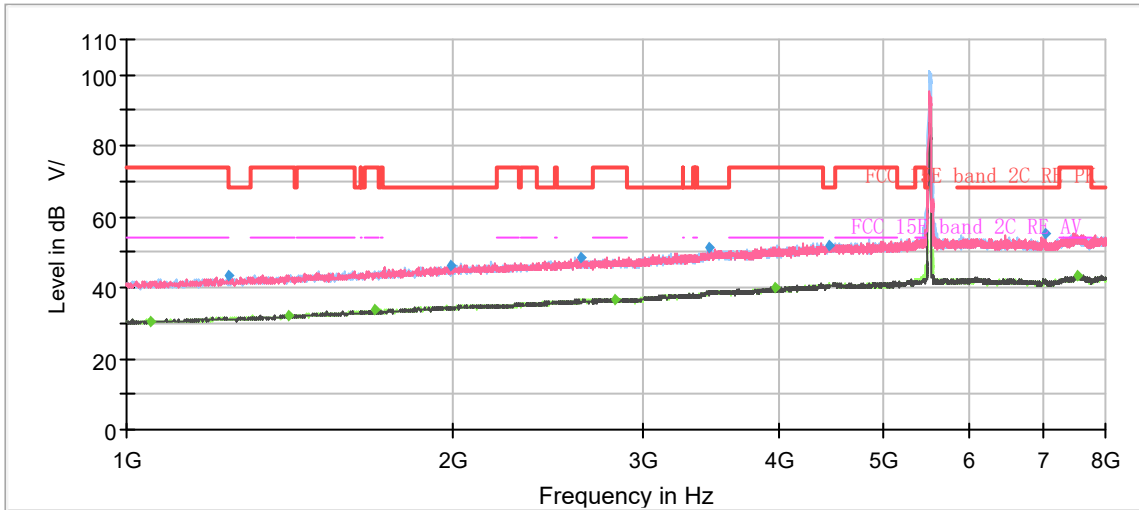
Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1078.75	---	30.96	54.00	23.04	500.00	200.0	V	220.00	-8
1299.25	42.97	---	68.20	25.23	500.00	100.0	H	239.00	-7
1403.38	---	32.24	54.00	21.76	500.00	100.0	V	106.00	-6
1664.13	---	33.64	54.00	20.36	500.00	200.0	V	163.00	-5
1979.13	45.97	---	68.20	22.23	500.00	200.0	V	76.00	-3
2543.50	48.26	---	68.20	19.94	500.00	100.0	V	0.00	0
2757.88	---	36.91	54.00	17.09	500.00	200.0	V	129.00	0
3483.25	50.86	---	68.20	17.34	500.00	200.0	H	300.00	4
3930.38	---	40.14	54.00	13.86	500.00	200.0	H	28.00	5
4464.13	52.47	---	68.20	15.73	500.00	200.0	V	144.00	7
7552.00	---	43.85	54.00	10.15	500.00	100.0	V	4.00	11
7991.25	54.59	---	68.20	13.61	500.00	200.0	V	0.00	11

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

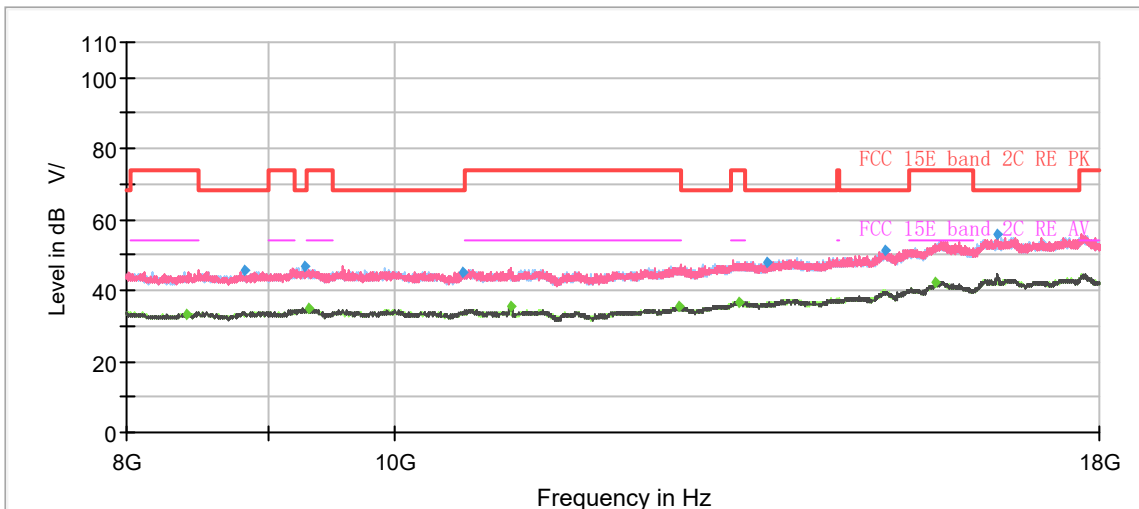
2. Margin = Limit - MAX Peak/ Average



802.11n (HT40) CH102



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



Radiates Emission from 8GHz to 18GHz

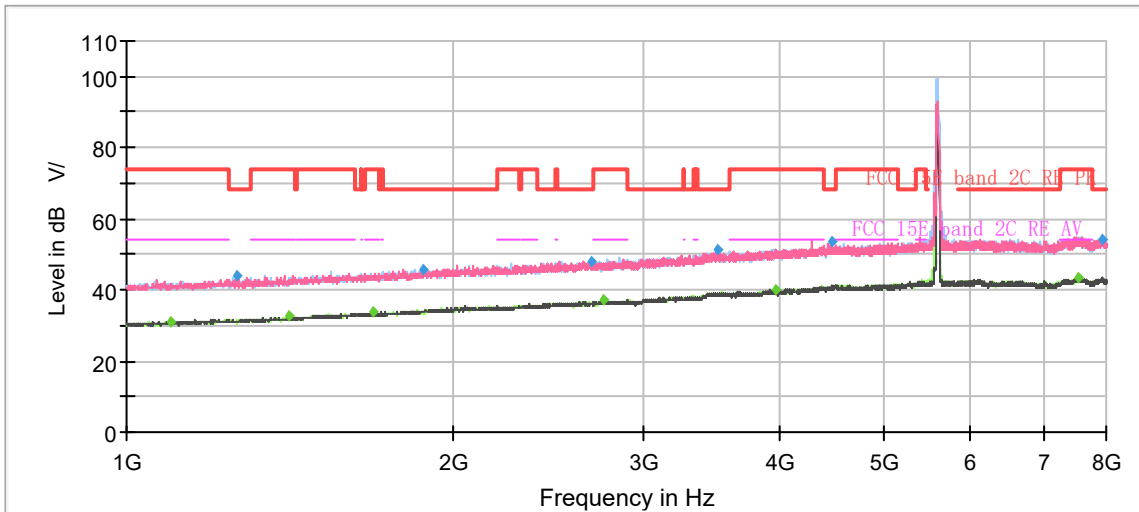


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1052.50	---	30.67	54.00	23.33	500.00	200.0	H	116.00	-8
1241.50	43.21	---	68.20	24.99	500.00	100.0	H	0.00	-7
1410.38	---	32.15	54.00	21.85	500.00	200.0	H	40.00	-6
1691.25	---	33.62	54.00	20.38	500.00	100.0	H	67.00	-5
1995.75	46.50	---	68.20	21.70	500.00	100.0	V	165.00	-3
2625.75	48.46	---	68.20	19.74	500.00	100.0	V	117.00	0
2826.13	---	36.78	54.00	17.22	500.00	100.0	V	136.00	1
3440.38	51.19	---	68.20	17.01	500.00	200.0	V	188.00	3
3964.50	---	39.93	54.00	14.07	500.00	100.0	H	72.00	5
4457.13	52.16	---	68.20	16.04	500.00	200.0	V	24.00	6
7034.88	55.01	---	68.20	13.19	500.00	100.0	V	0.00	9
7552.88	---	43.46	54.00	10.54	500.00	200.0	V	0.00	11

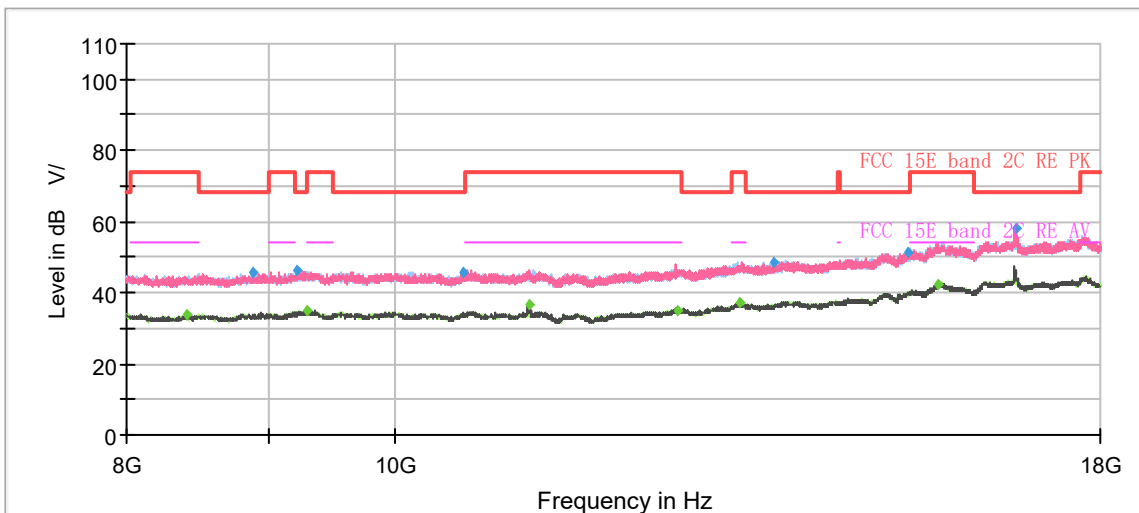
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**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

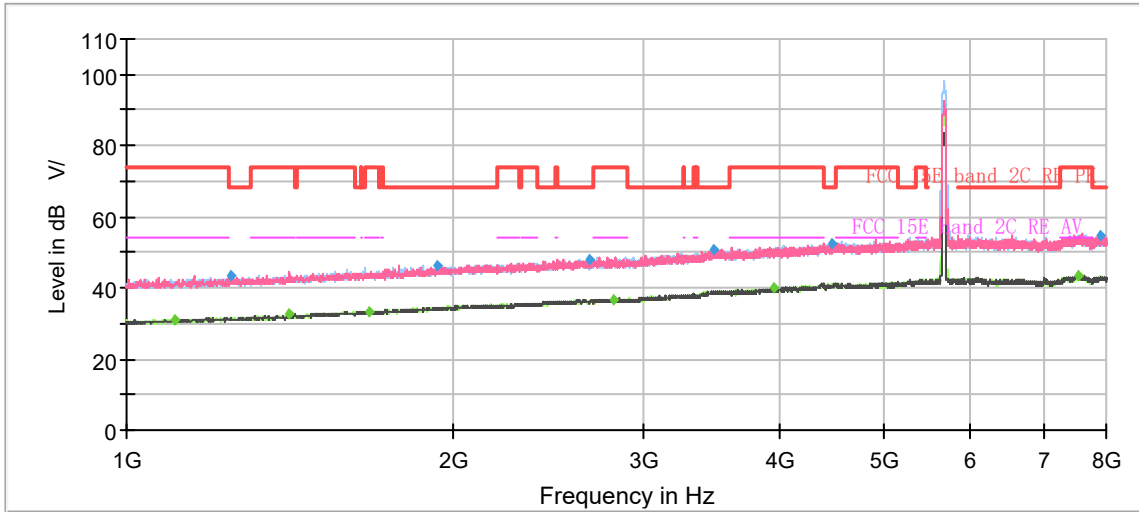


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1098.88	---	30.81	54.00	23.19	500.00	100.0	H	156.00	-8
1266.00	43.86	---	68.20	24.34	500.00	100.0	V	0.00	-7
1411.25	---	32.66	54.00	21.34	500.00	200.0	V	17.00	-6
1689.50	---	33.69	54.00	20.31	500.00	200.0	V	197.00	-5
1876.75	45.92	---	68.20	22.28	500.00	200.0	V	276.00	-4
2684.38	47.94	---	68.20	20.26	500.00	200.0	V	183.00	0
2757.00	---	37.03	54.00	16.97	500.00	200.0	V	229.00	0
3511.25	51.19	---	68.20	17.01	500.00	100.0	H	170.00	4
3962.75	---	40.05	54.00	13.95	500.00	200.0	V	98.00	5
4474.63	53.62	---	68.20	14.58	500.00	100.0	V	172.00	7
7523.13	---	43.53	54.00	10.47	500.00	200.0	V	229.00	11
7924.75	54.30	---	68.20	13.90	500.00	200.0	V	26.00	11

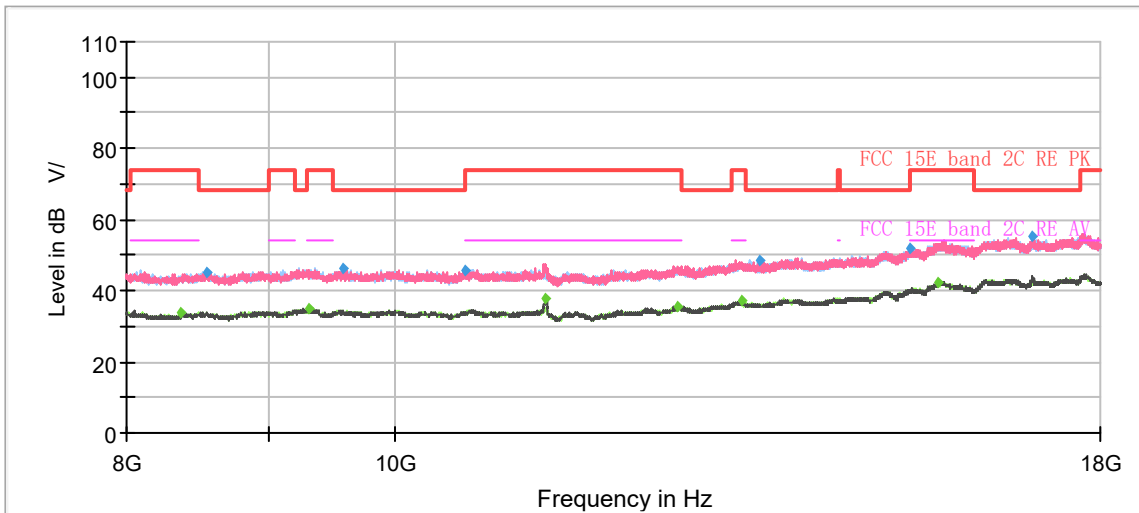
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**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

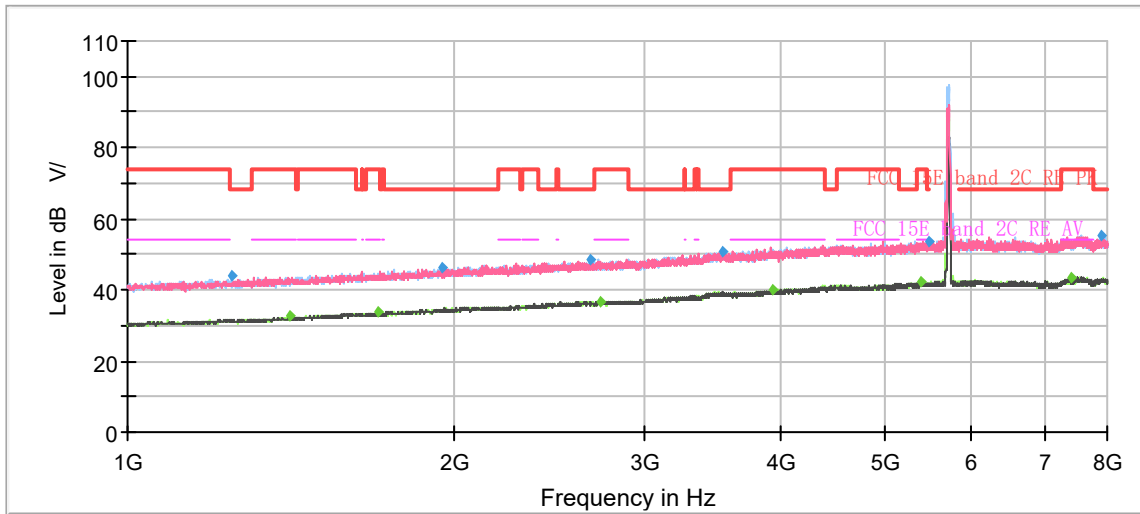


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1107.63	---	30.77	54.00	23.23	500.00	100.0	V	142.00	-8
1249.38	43.16	---	68.20	25.04	500.00	200.0	H	0.00	-7
1413.88	---	32.53	54.00	21.47	500.00	100.0	V	58.00	-6
1672.00	---	33.55	54.00	20.45	500.00	100.0	V	142.00	-5
1932.75	46.30	---	68.20	21.90	500.00	100.0	H	196.00	-3
2675.63	48.14	---	68.20	20.06	500.00	200.0	H	290.00	0
2810.38	---	36.89	54.00	17.11	500.00	200.0	V	226.00	0
3476.25	50.94	---	68.20	17.26	500.00	100.0	V	156.00	3
3954.00	---	39.89	54.00	14.11	500.00	100.0	V	98.00	5
4466.75	52.26	---	68.20	15.94	500.00	100.0	H	25.00	7
7548.50	---	43.59	54.00	10.41	500.00	100.0	V	1.00	11
7888.88	54.97	---	68.20	13.23	500.00	100.0	H	314.00	11

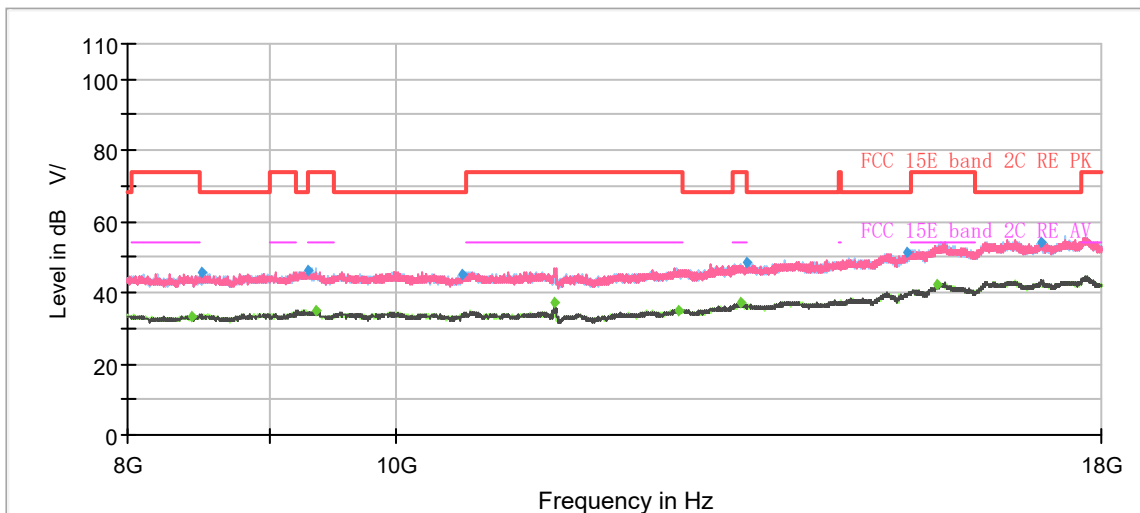
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

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



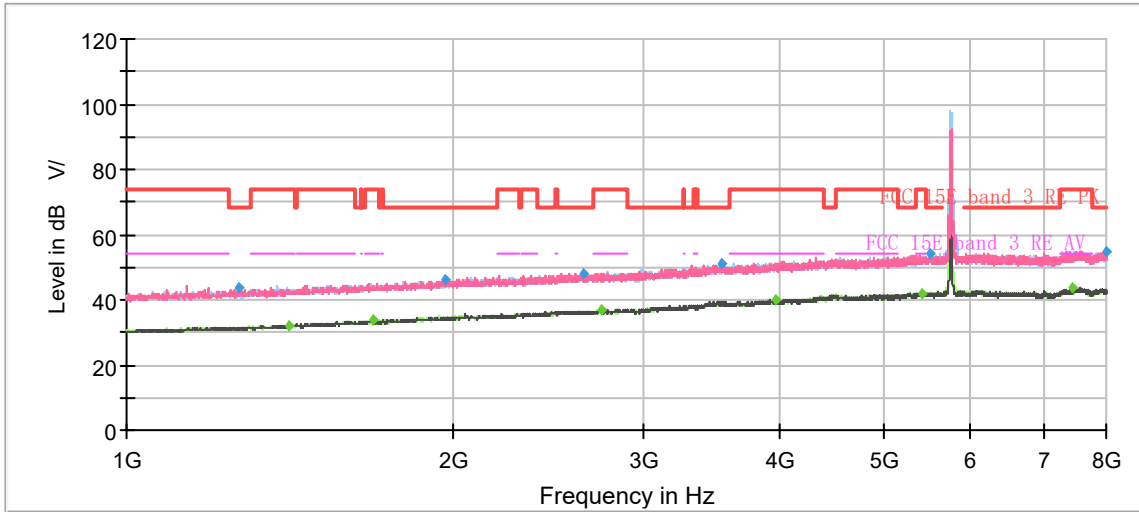
Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1245.88	44.12	---	68.20	24.08	500.00	200.0	H	182.00	-7
1411.25	---	32.50	54.00	21.50	500.00	200.0	V	137.00	-6
1703.50	---	33.79	54.00	20.21	500.00	100.0	V	232.00	-5
1952.88	46.06	---	68.20	22.14	500.00	100.0	H	29.00	-3
2673.00	48.42	---	68.20	19.78	500.00	100.0	H	121.00	0
2731.63	---	36.81	54.00	17.19	500.00	100.0	H	0.00	0
3539.25	50.83	---	68.20	17.37	500.00	200.0	H	270.00	4
3940.88	---	39.94	54.00	14.06	500.00	100.0	H	24.00	5
5394.25	---	42.34	54.00	11.66	500.00	100.0	H	353.00	9
5469.50	53.52	---	68.20	14.68	500.00	200.0	H	321.00	9
7416.38	---	43.42	54.00	10.58	500.00	100.0	V	237.00	11
7899.38	55.11	---	68.20	13.09	500.00	200.0	V	162.00	11

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

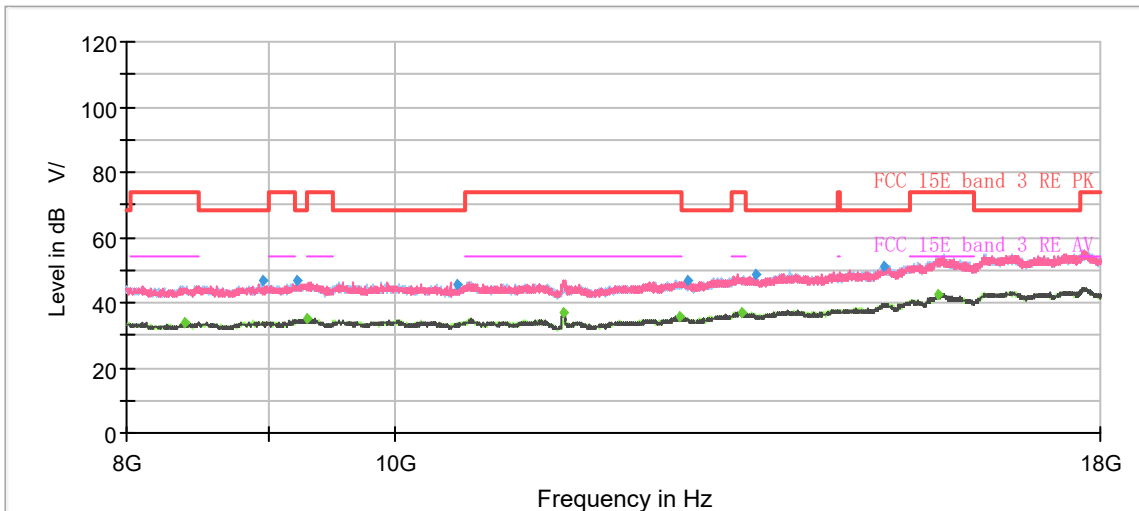
**2. Margin = Limit –MAX Peak/ Average**



## 802.11n (HT40) CH151



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



Radiates Emission from 8GHz to 18GHz

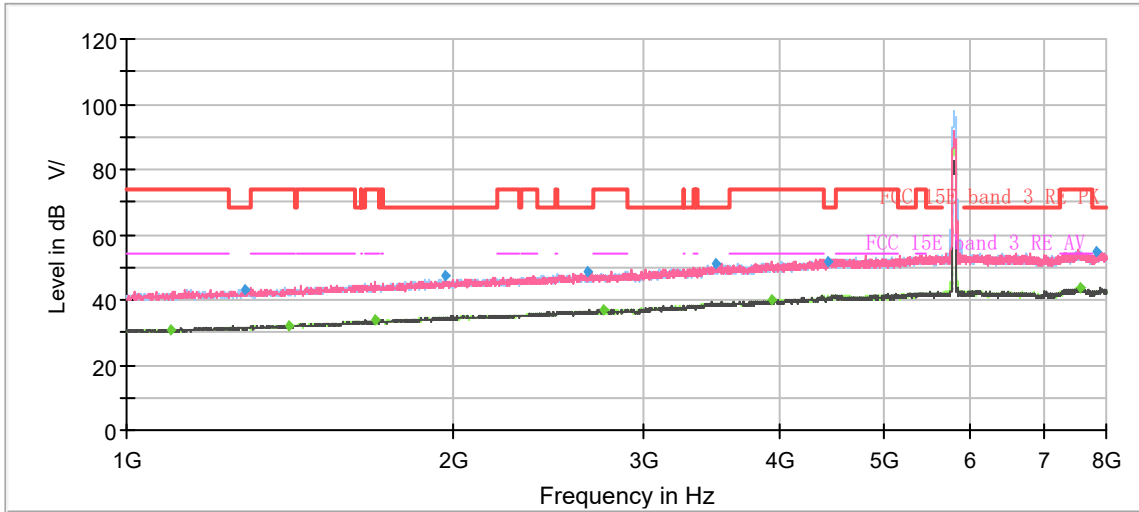


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1270.38	43.54	---	68.20	24.66	500.00	200.0	V	29.00	-7
1413.88	---	32.27	54.00	21.73	500.00	200.0	H	262.00	-6
1688.63	---	33.63	54.00	20.37	500.00	200.0	H	295.00	-5
1967.75	45.89	---	68.20	22.31	500.00	200.0	V	282.00	-3
2641.50	48.10	---	68.20	20.10	500.00	100.0	H	182.00	0
2743.88	---	36.70	54.00	17.30	500.00	200.0	H	341.00	0
3530.50	50.99	---	68.20	17.21	500.00	200.0	H	248.00	4
3965.38	---	40.02	54.00	13.98	500.00	200.0	V	165.00	5
5414.38	---	42.11	54.00	11.89	500.00	100.0	H	9.00	9
5494.88	53.97	---	68.20	14.23	500.00	100.0	V	162.00	9
7447.88	---	43.59	54.00	10.41	500.00	100.0	V	0.00	11
7983.38	54.68	---	68.20	13.52	500.00	100.0	V	311.00	11

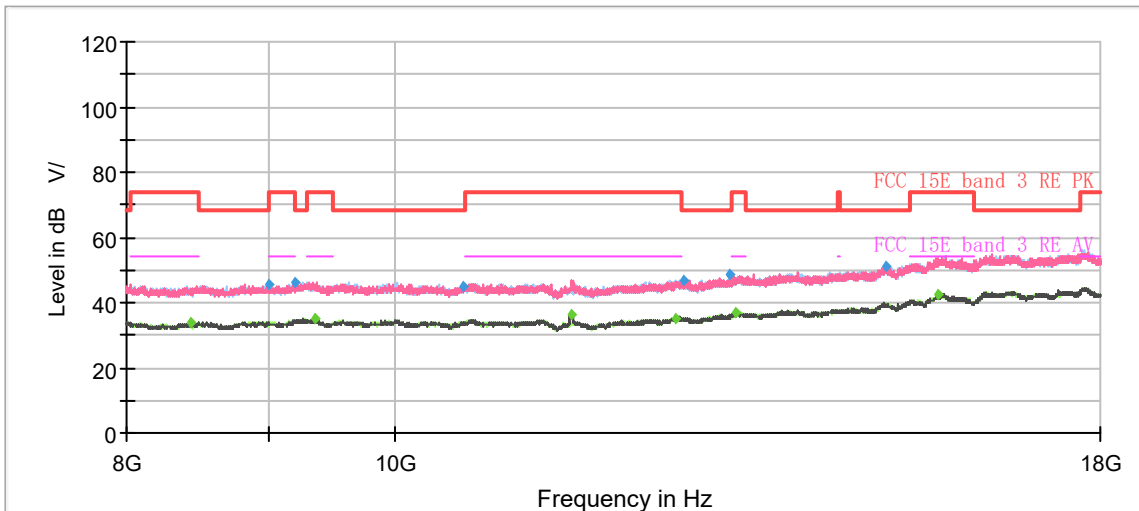
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**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

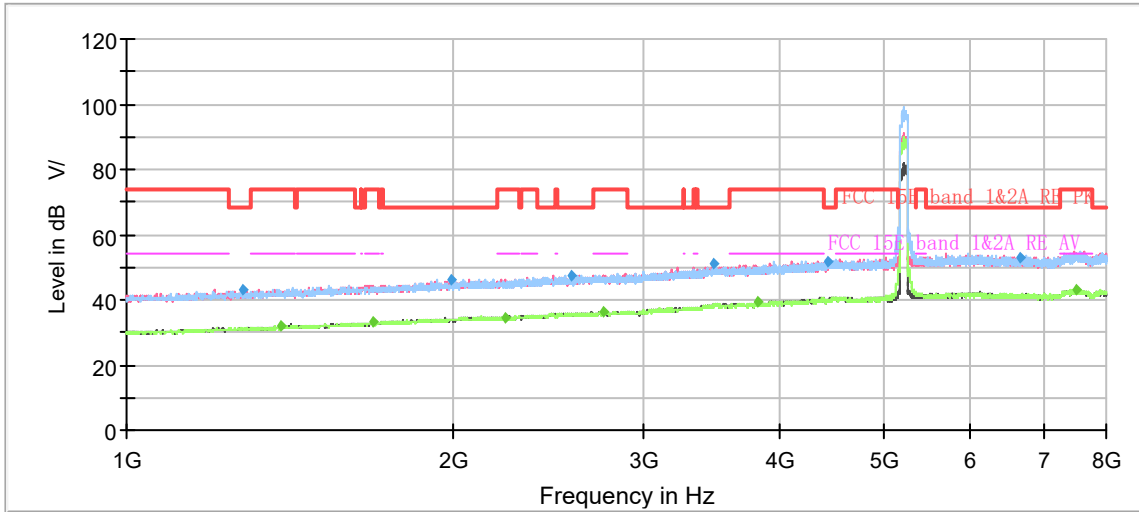


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1096.25	---	30.69	54.00	23.31	500.00	100.0	H	143.00	-8
1282.63	43.05	---	68.20	25.15	500.00	100.0	H	163.00	-7
1413.00	---	32.24	54.00	21.76	500.00	100.0	H	263.00	-6
1692.13	---	33.85	54.00	20.15	500.00	100.0	V	150.00	-5
1966.00	47.24	---	68.20	20.96	500.00	200.0	H	359.00	-3
2654.63	48.60	---	68.20	19.60	500.00	200.0	V	6.00	0
2750.00	---	36.89	54.00	17.11	500.00	100.0	H	249.00	0
3485.00	50.90	---	68.20	17.30	500.00	200.0	H	192.00	4
3928.63	---	40.09	54.00	13.91	500.00	200.0	V	343.00	5
4436.13	51.83	---	68.20	16.37	500.00	100.0	V	58.00	6
7555.50	---	43.69	54.00	10.31	500.00	100.0	V	135.00	11
7818.00	54.93	---	68.20	13.27	500.00	200.0	V	204.00	11

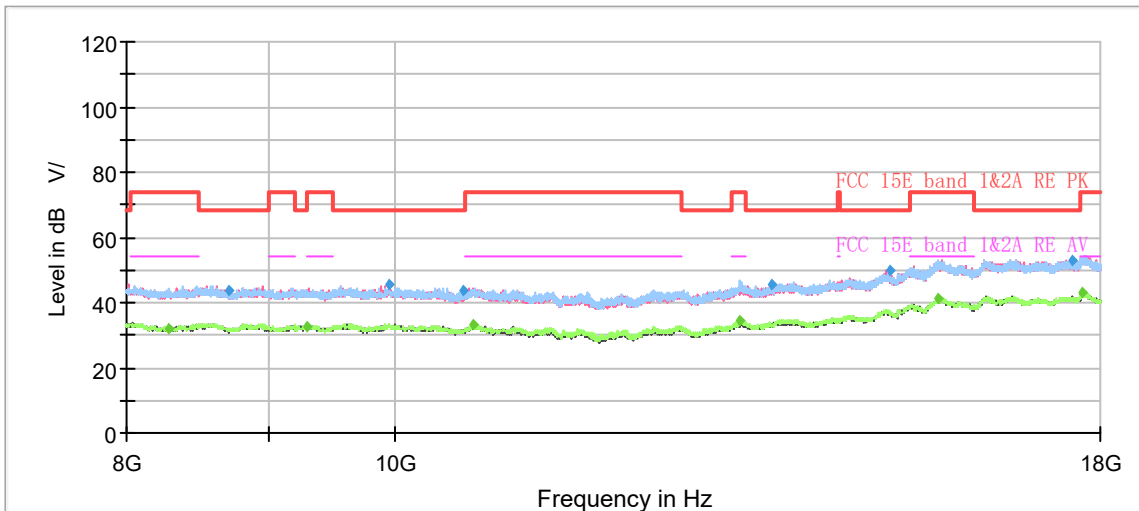
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

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

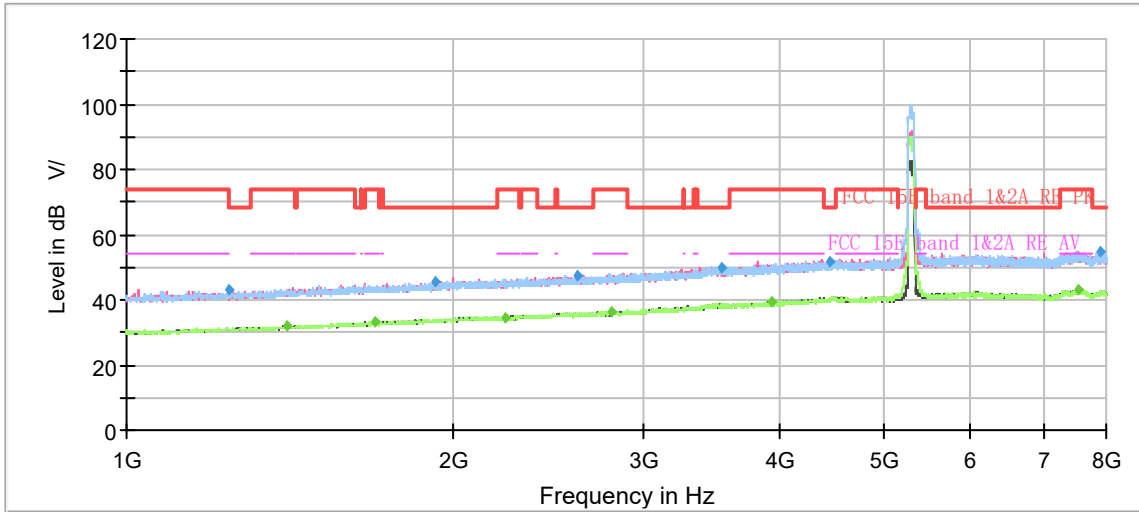


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1277.38	42.84	---	68.20	25.36	500.00	200.0	H	0.00	-7
1390.25	---	31.99	54.00	22.01	500.00	100.0	V	172.00	-6
1686.00	---	33.17	54.00	20.83	500.00	200.0	V	199.00	-5
1991.38	45.98	---	68.20	22.22	500.00	100.0	V	282.00	-3
2234.63	---	34.72	54.00	19.28	500.00	100.0	V	129.00	-2
2571.50	47.68	---	68.20	20.52	500.00	100.0	V	282.00	0
2751.75	---	36.31	54.00	17.69	500.00	100.0	H	250.00	0
3478.88	50.92	---	68.20	17.28	500.00	100.0	H	32.00	3
3822.75	---	39.30	54.00	14.70	500.00	100.0	V	92.00	4
4436.13	51.80	---	68.20	16.40	500.00	200.0	H	311.00	6
6651.63	52.84	---	68.20	15.36	500.00	100.0	V	307.00	9
7518.75	---	43.05	54.00	10.95	500.00	100.0	H	79.00	11

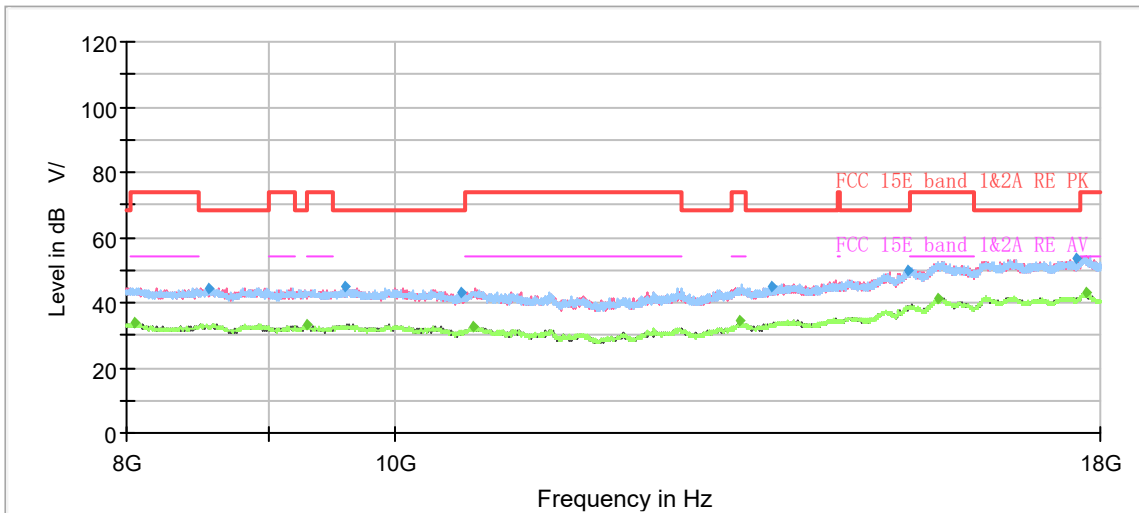
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

## 802.11ac (VHT80) CH58



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



Radiates Emission from 8GHz to 18GHz



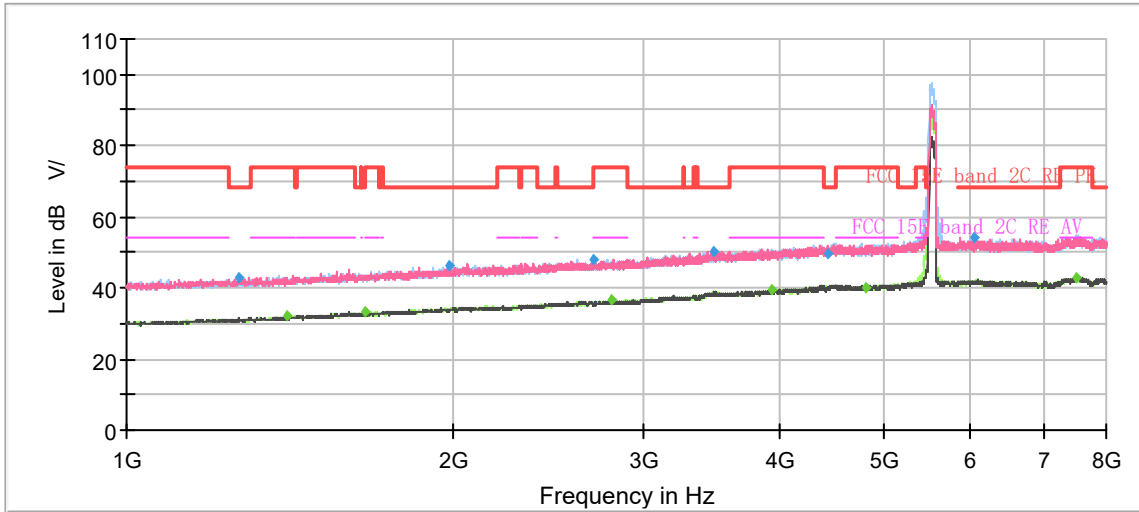
Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1242.38	42.78	---	68.20	25.42	500.00	200.0	H	244.00	-7
1405.13	---	31.99	54.00	22.01	500.00	100.0	H	211.00	-6
1692.13	---	33.18	54.00	20.82	500.00	200.0	V	71.00	-5
1927.50	45.65	---	68.20	22.55	500.00	200.0	V	56.00	-3
2232.88	---	34.44	54.00	19.56	500.00	200.0	V	195.00	-2
2606.50	47.33	---	68.20	20.87	500.00	100.0	V	310.00	0
2801.63	---	36.24	54.00	17.76	500.00	100.0	V	314.00	0
3534.00	50.13	---	68.20	18.07	500.00	200.0	V	27.00	4
3926.88	---	39.40	54.00	14.60	500.00	100.0	V	290.00	5
4458.00	51.97	---	68.20	16.23	500.00	100.0	V	305.00	7
7522.25	---	43.07	54.00	10.93	500.00	200.0	V	140.00	11
7915.13	54.70	---	68.20	13.50	500.00	100.0	V	256.00	11

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

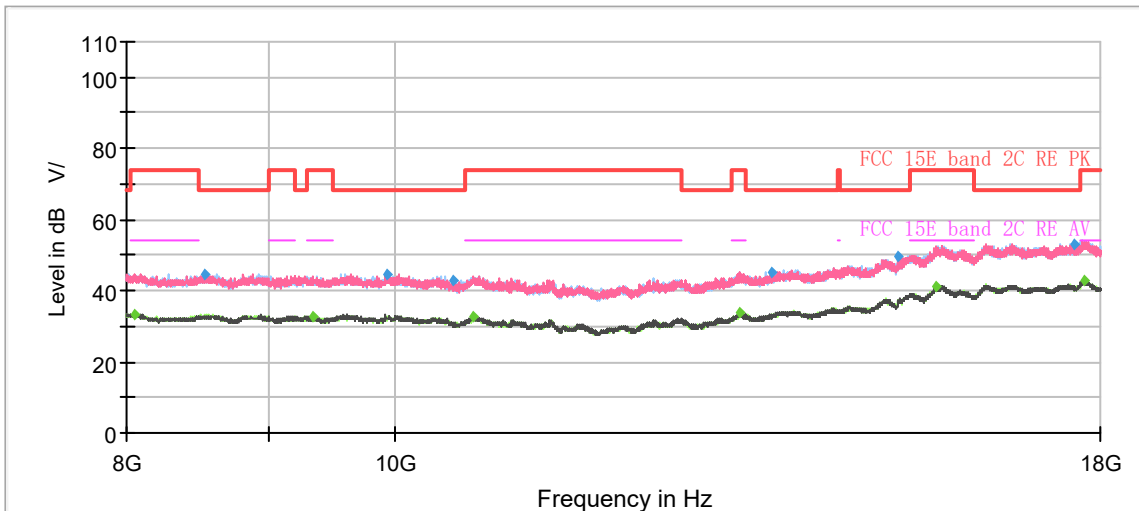
**2. Margin = Limit –MAX Peak/ Average**



## 802.11ac (VHT80) CH106



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



Radiates Emission from 8GHz to 18GHz

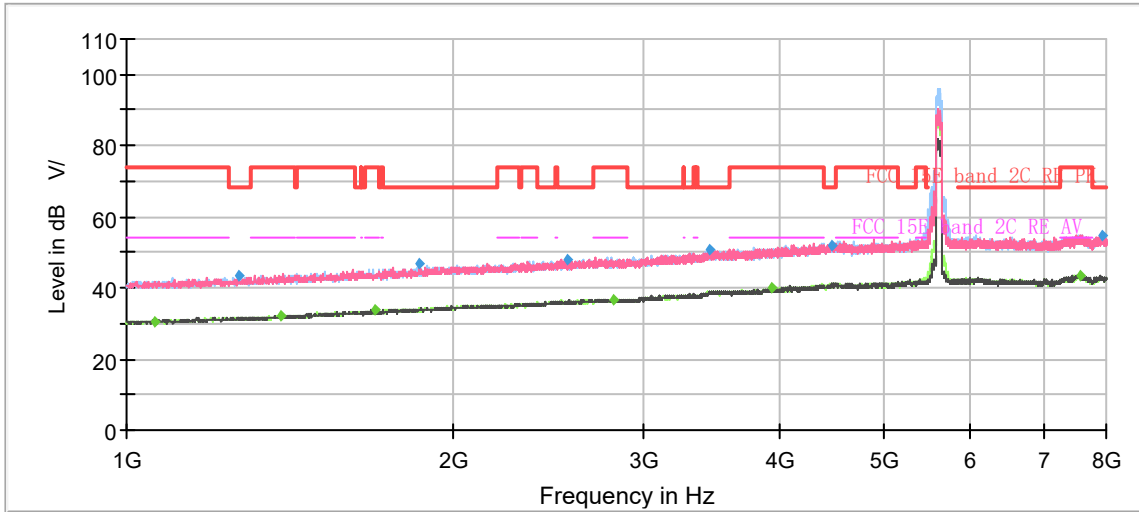


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1267.75	42.70	---	68.20	25.50	500.00	100.0	V	229.00	-7
1406.00	---	32.19	54.00	21.81	500.00	200.0	V	185.00	-6
1661.50	---	33.50	54.00	20.50	500.00	200.0	V	326.00	-5
1980.00	46.26	---	68.20	21.94	500.00	100.0	V	54.00	-3
2687.88	47.83	---	68.20	20.37	500.00	100.0	V	324.00	0
2795.50	---	36.43	54.00	17.57	500.00	200.0	V	181.00	0
3481.50	50.37	---	68.20	17.83	500.00	200.0	V	316.00	4
3927.75	---	39.54	54.00	14.46	500.00	200.0	H	192.00	5
4431.75	49.71	---	68.20	18.49	500.00	100.0	H	192.00	6
4801.88	---	39.84	54.00	14.16	500.00	100.0	H	303.00	7
6036.50	54.06	---	68.20	14.14	500.00	200.0	V	152.00	9
7516.13	---	42.97	54.00	11.03	500.00	200.0	H	163.00	11

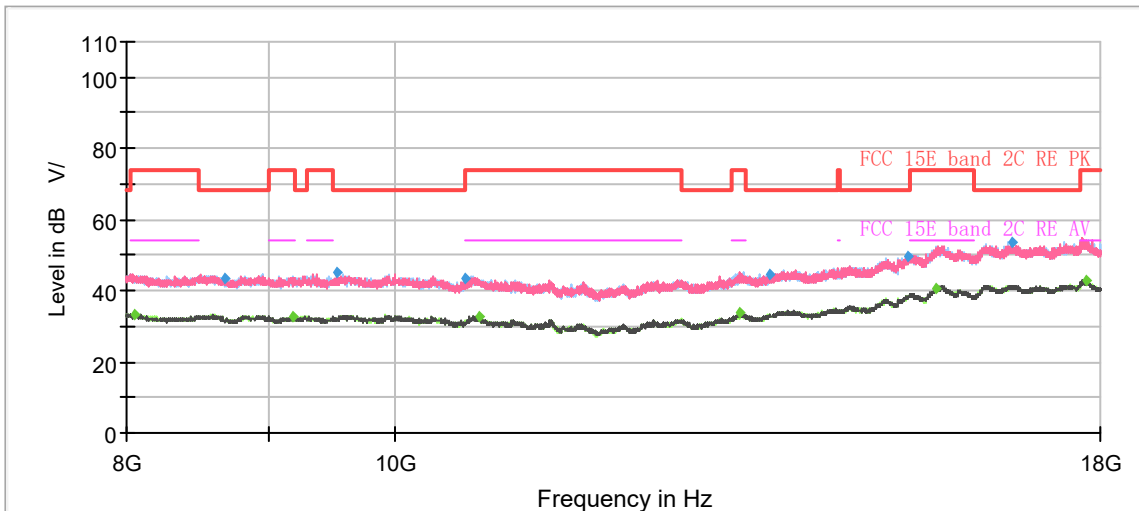
Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

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



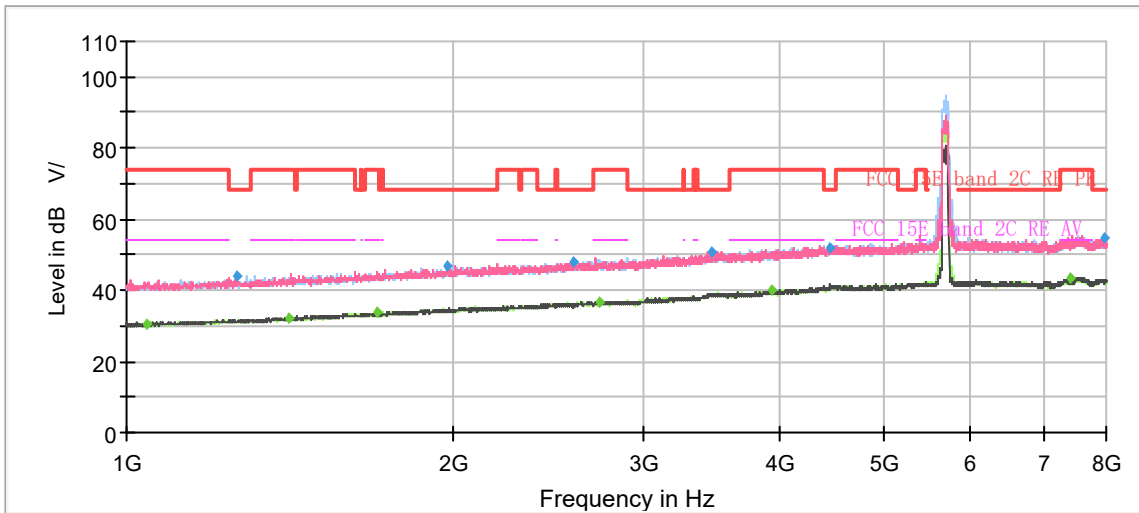
Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1059.50	---	30.66	54.00	23.34	500.00	100.0	H	226.00	-8
1269.50	43.18	---	68.20	25.02	500.00	200.0	H	354.00	-7
1387.63	---	32.18	54.00	21.82	500.00	100.0	V	358.00	-6
1696.50	---	33.68	54.00	20.32	500.00	200.0	V	207.00	-5
1863.63	46.56	---	68.20	21.64	500.00	100.0	V	21.00	-4
2554.00	48.20	---	68.20	20.00	500.00	200.0	H	270.00	0
2811.25	---	36.94	54.00	17.06	500.00	200.0	V	116.00	0
3442.13	50.59	---	68.20	17.61	500.00	100.0	H	187.00	3
3940.00	---	39.92	54.00	14.08	500.00	200.0	H	242.00	5
4460.63	51.97	---	68.20	16.23	500.00	100.0	V	0.00	7
7560.75	---	43.54	54.00	10.46	500.00	100.0	V	197.00	11
7937.88	54.84	---	68.20	13.36	500.00	100.0	H	135.00	11

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

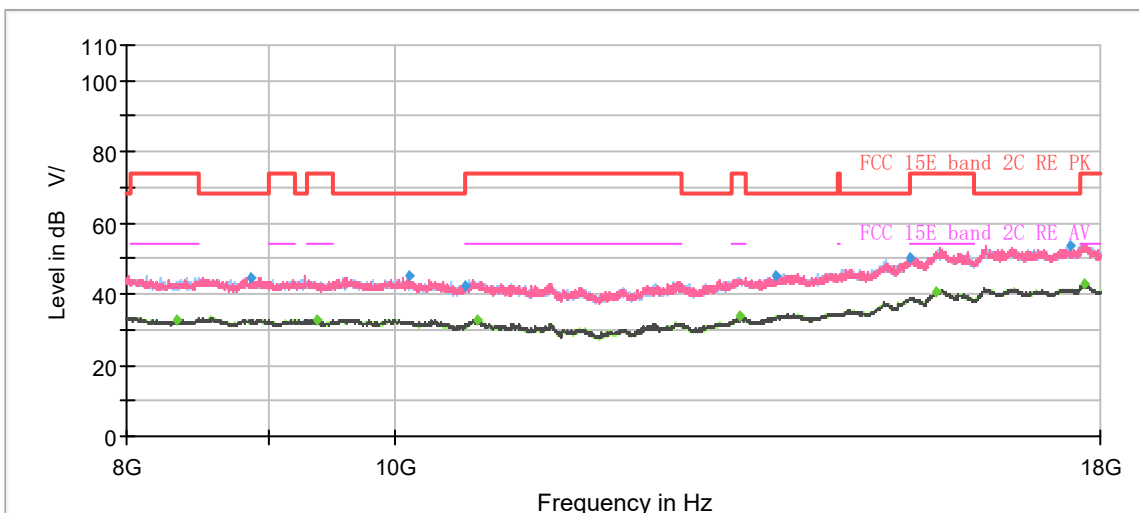
2. Margin = Limit - MAX Peak/ Average



802.11ac (VHT80) CH138



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



Radiates Emission from 8GHz to 18GHz

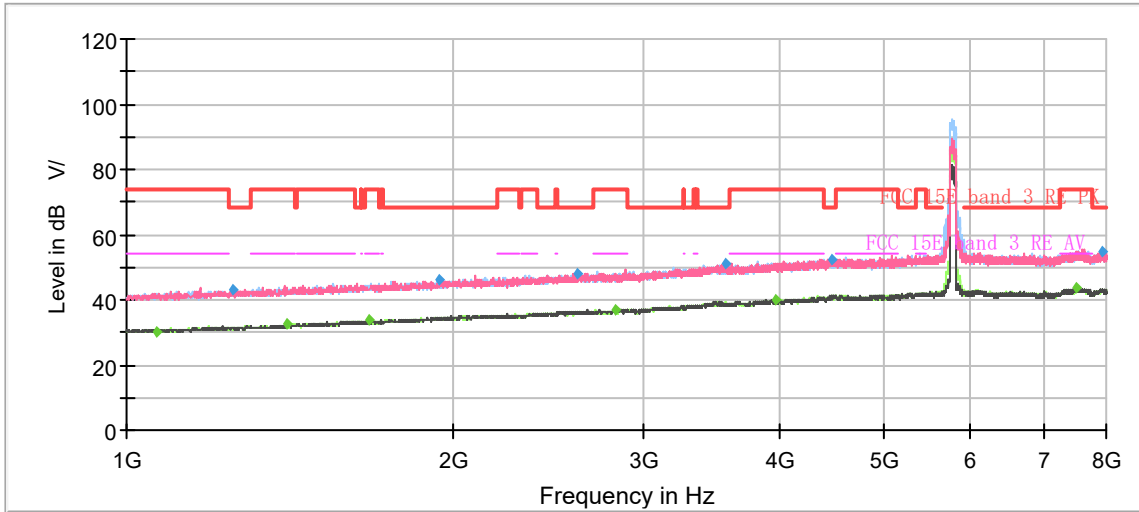


Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1042.00	---	30.71	54.00	23.29	500.00	200.0	V	55.00	-8
1264.25	44.16	---	68.20	24.04	500.00	100.0	H	194.00	-7
1413.88	---	32.22	54.00	21.78	500.00	200.0	V	0.00	-6
1703.50	---	33.60	54.00	20.40	500.00	100.0	H	3.00	-5
1973.88	46.59	---	68.20	21.61	500.00	100.0	V	0.00	-3
2583.75	48.19	---	68.20	20.01	500.00	200.0	H	226.00	0
2728.13	---	36.86	54.00	17.14	500.00	100.0	V	354.00	0
3464.88	50.84	---	68.20	17.36	500.00	100.0	V	325.00	3
3933.88	---	40.09	54.00	13.91	500.00	100.0	V	306.00	5
4440.50	51.86	---	68.20	16.34	500.00	100.0	H	179.00	6
7417.25	---	43.67	54.00	10.33	500.00	100.0	V	191.00	11
7958.88	54.62	---	68.20	13.58	500.00	100.0	V	123.00	11

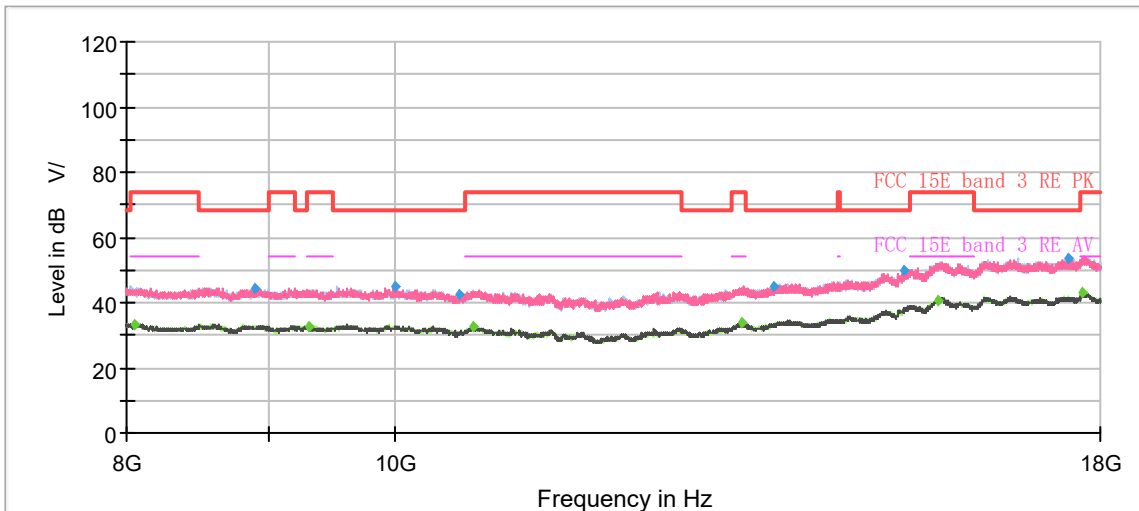
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**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 (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1065.63	---	30.36	54.00	23.64	500.00	100.0	H	30.00	-8
1251.13	43.12	---	68.20	25.08	500.00	200.0	V	147.00	-7
1406.00	---	32.31	54.00	21.69	500.00	100.0	H	93.00	-6
1669.38	---	33.61	54.00	20.39	500.00	100.0	V	233.00	-5
1941.50	46.39	---	68.20	21.81	500.00	200.0	H	214.00	-3
2604.75	48.13	---	68.20	20.07	500.00	200.0	H	340.00	0
2820.00	---	36.75	54.00	17.25	500.00	100.0	V	353.00	1
3562.88	50.79	---	68.20	17.41	500.00	200.0	H	354.00	4
3965.38	---	40.09	54.00	13.91	500.00	100.0	V	66.00	5
4467.63	52.58	---	68.20	15.62	500.00	100.0	V	296.00	7
7498.63	---	43.50	54.00	10.50	500.00	100.0	V	75.00	11
7942.25	54.67	---	68.20	13.53	500.00	100.0	V	310.00	11

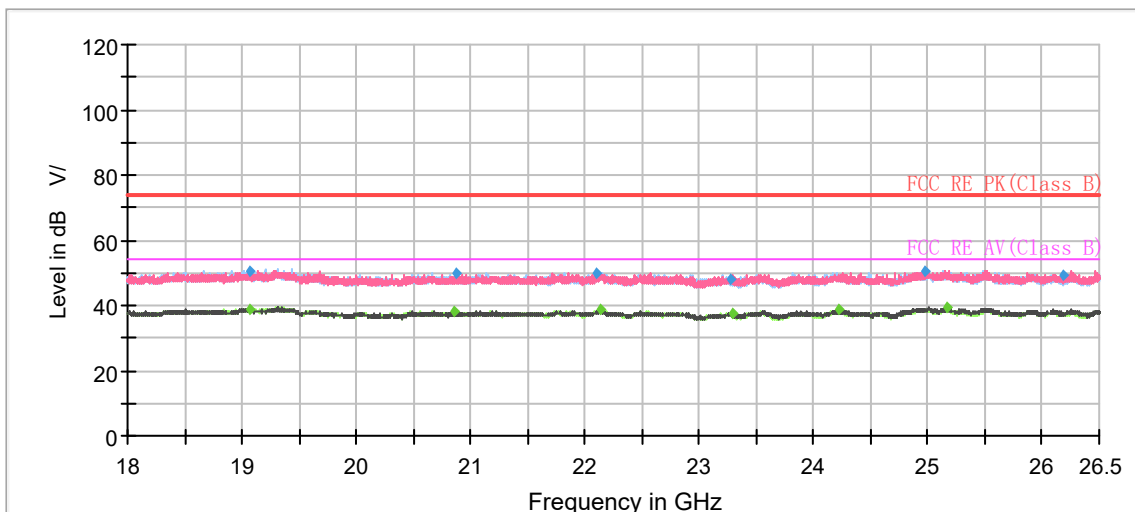
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**





During the test, the Radiates Emission from 18GHz to 40GHz was performed in all modes with all channels, 802.11n (HT20), Channel 116 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

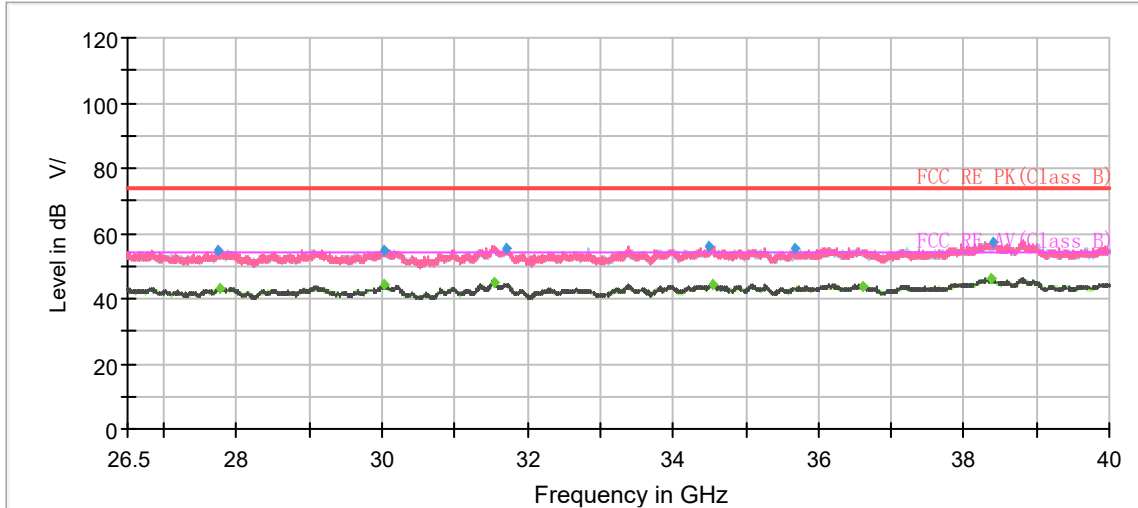


Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
19061.44	---	38.83	54.00	15.17	500.00	200.0	V	310.00	-7
19068.88	50.75	---	74.00	23.25	500.00	200.0	V	93.00	-7
20852.81	---	38.21	54.00	15.79	500.00	100.0	H	120.00	-7
20869.81	50.11	---	74.00	23.89	500.00	200.0	H	346.00	-7
22109.75	49.79	---	74.00	24.21	500.00	200.0	V	136.00	-6
22143.75	---	38.70	54.00	15.30	500.00	200.0	H	351.00	-6
23282.75	48.03	---	74.00	25.97	500.00	200.0	H	201.00	-5
23297.63	---	37.33	54.00	16.67	500.00	100.0	V	0.00	-5
24217.75	---	38.50	54.00	15.50	500.00	200.0	V	103.00	-4
24968.94	50.69	---	74.00	23.31	500.00	100.0	V	216.00	-3
25166.56	---	39.17	54.00	14.83	500.00	100.0	V	167.00	-3
26177.00	48.94	---	74.00	25.06	500.00	200.0	V	3.00	-4

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 (dB $\mu$ V/m)	Average (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
27738.30	54.46	---	74.00	19.54	500.00	200.0	V	58.00	0
27764.30	---	43.14	54.00	10.86	500.00	100.0	H	3.00	0
30033.58	---	44.12	54.00	9.88	500.00	200.0	V	207.00	0
30035.25	54.88	---	74.00	19.12	500.00	200.0	H	0.00	0
31536.26	---	44.69	54.00	9.31	500.00	100.0	V	312.00	0
31701.32	55.63	---	74.00	18.37	500.00	100.0	H	353.00	0
34496.95	55.71	---	74.00	18.29	500.00	200.0	V	295.00	1
34532.63	---	44.30	54.00	9.70	500.00	100.0	H	0.00	1
35676.68	55.33	---	74.00	18.67	500.00	100.0	H	256.00	1
36601.08	---	43.88	54.00	10.12	500.00	100.0	V	342.00	2
38368.97	---	45.95	54.00	8.05	500.00	100.0	V	0.00	5
38412.34	57.07	---	74.00	16.93	500.00	200.0	H	358.00	4

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

2. Margin = Limit-MAX Peak/ Average

### 5.6. Conducted Emission

#### Ambient condition

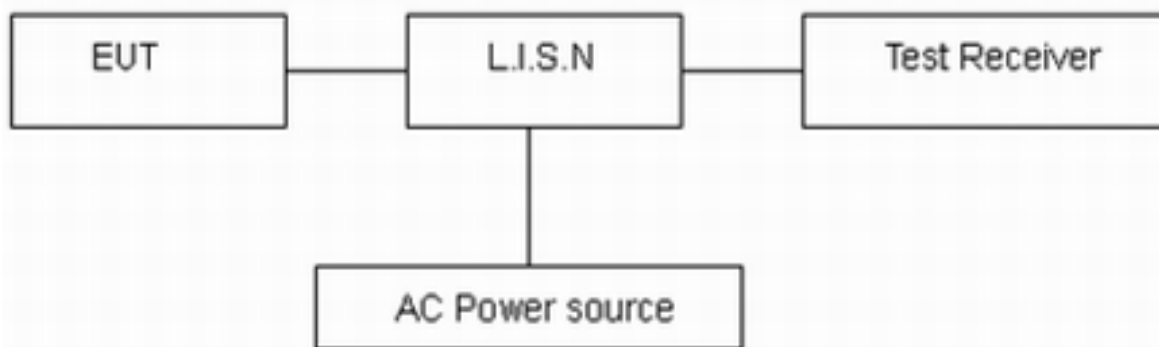
Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

#### 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

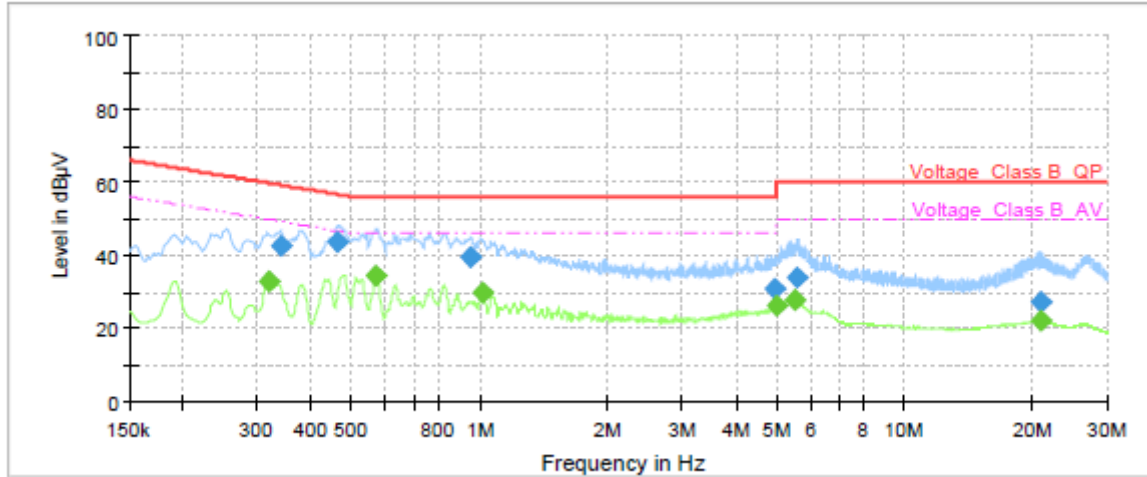
\*: Decreases with the logarithm of the frequency.

#### 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:**

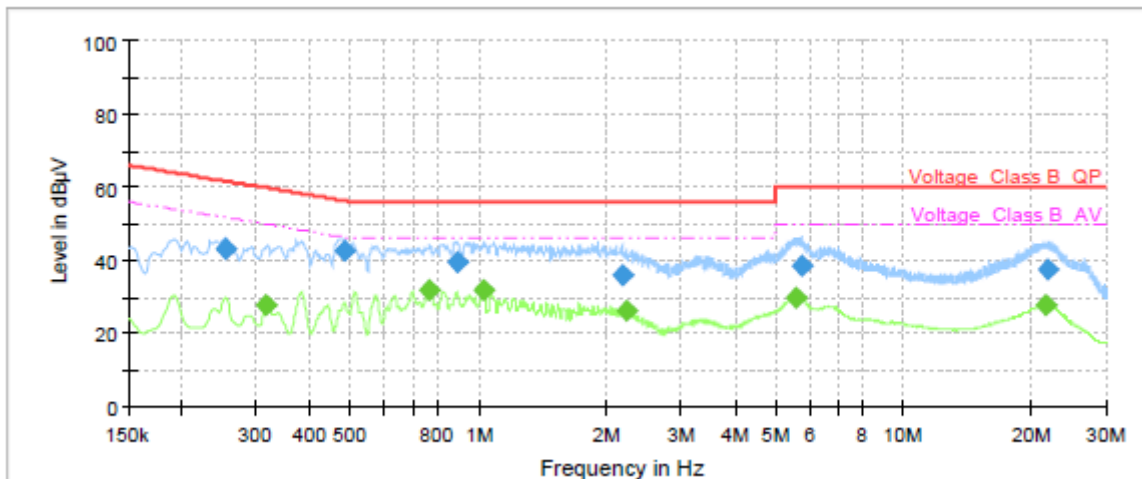
Following plots, Blue trace uses the peak detection and Green trace uses the average detection. During the test, the Conducted Emission was performed in all modes with all channels, 802.11n (HT20), Channel 116 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.



Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.318750	---	32.85	49.74	16.89	1000.0	9.000	L1	ON	20.6
0.339000	42.49	---	59.23	16.74	1000.0	9.000	L1	ON	20.6
0.462750	43.56	---	56.64	13.08	1000.0	9.000	L1	ON	20.4
0.570750	---	34.55	46.00	11.45	1000.0	9.000	L1	ON	20.3
0.953250	39.60	---	56.00	16.40	1000.0	9.000	L1	ON	19.9
1.014000	---	29.81	46.00	16.19	1000.0	9.000	L1	ON	19.9
4.933500	30.70	---	56.00	25.30	1000.0	9.000	L1	ON	19.5
4.985250	---	25.96	46.00	20.04	1000.0	9.000	L1	ON	19.5
5.500500	---	27.85	50.00	22.15	1000.0	9.000	L1	ON	19.5
5.563500	33.88	---	60.00	26.12	1000.0	9.000	L1	ON	19.5
20.811750	---	21.96	50.00	28.04	1000.0	9.000	L1	ON	19.9
21.003000	27.41	---	60.00	32.59	1000.0	9.000	L1	ON	19.9

**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)
0.253500	42.88	---	61.64	18.76	1000.0	9.000	N	ON	20.7
0.316500	---	27.86	49.80	21.94	1000.0	9.000	N	ON	20.6
0.483000	42.66	---	56.29	13.63	1000.0	9.000	N	ON	20.4
0.762000	---	31.88	46.00	14.12	1000.0	9.000	N	ON	20.1
0.890250	39.35	---	56.00	16.65	1000.0	9.000	N	ON	20.0
1.025250	---	31.54	46.00	14.46	1000.0	9.000	N	ON	19.9
2.168250	35.98	---	56.00	20.02	1000.0	9.000	N	ON	19.5
2.233500	---	26.07	46.00	19.93	1000.0	9.000	N	ON	19.5
5.574750	---	29.98	50.00	20.02	1000.0	9.000	N	ON	19.5
5.754750	38.22	---	60.00	21.78	1000.0	9.000	N	ON	19.5
21.606000	---	27.58	50.00	22.42	1000.0	9.000	N	ON	19.8
21.799500	37.48	---	60.00	22.52	1000.0	9.000	N	ON	19.8

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
Power sensor	R&S	OSP-B157W8	100924	2021-12-12	2022-12-11
Spectrum Analyzer	KEYSIGHT	N9020A	MY54420163	2021-12-12	2022-12-11
Climate Chamber	ESPEC	SU-242	93000506	2021-12-12	2022-12-11
DC power supply	GWINSTEK	GPS-3030D	GEQ875952	2022-05-14	2023-05-13
Unwanted Emission					
EMI Test Receiver	R&S	ESR	102389	2022-05-25	2023-05-24
Signal Analyzer	R&S	FSV40	100816	2021-12-12	2022-12-11
Loop Antenna	SCHWARZBECK	FMZB1519	1519-047	2020-04-02	2023-04-01
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9163	1023	2020-05-05	2023-05-04
Horn Antenna	R&S	HF907	102723	2020-08-11	2023-08-10
Horn Antenna	ETS-Lindgren	3160-09	00102643	2021-10-10	2024-10-09
Horn Antenna	STEATITE	QSH-SL-26-4 0-K-15	16779	2019-12-24	2022-12-23
Software	R&S	EMC32	9.26.01	/	/
Conducted Emission					
Artificial main network	R&S	ENV216	102191	2020-12-13	2022-12-12
EMI Test Receiver	R&S	ESR	101667	2022-05-25	2023-05-24
Software	R&S	EMC32	10.35.10	/	/

\*\*\*\*\*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.