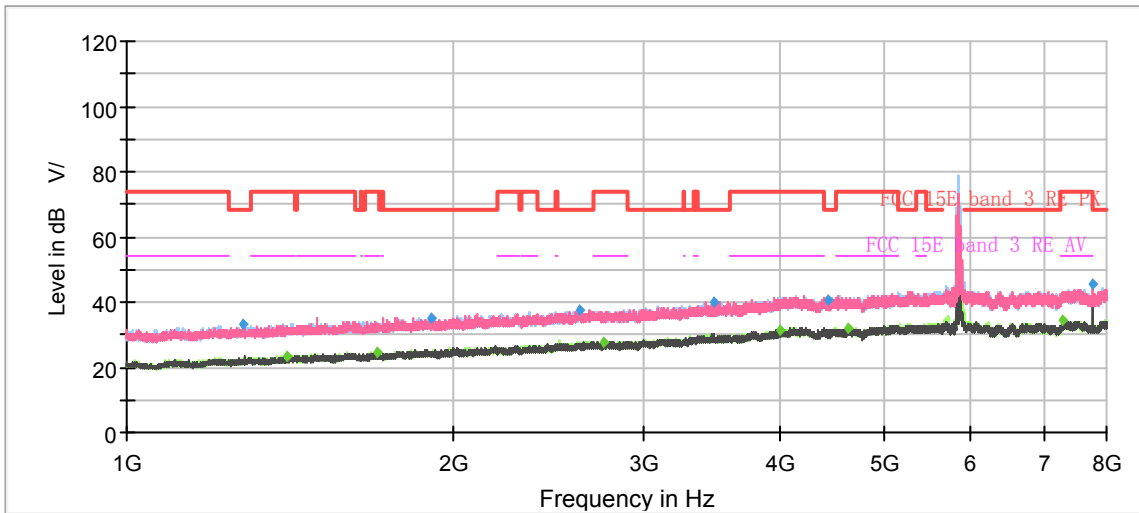
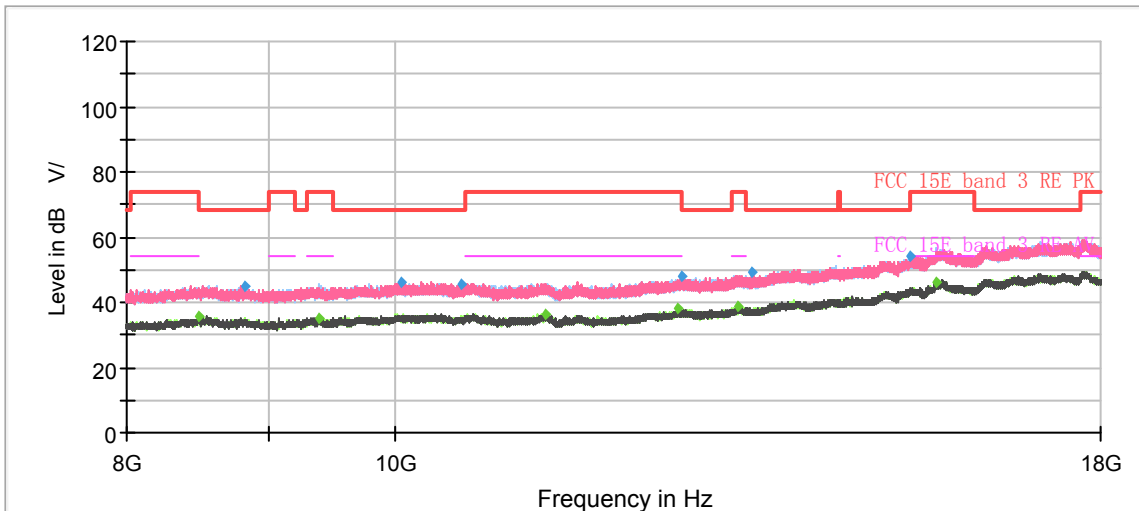




802.11ac (VHT20) CH165



Radiates Emission from 1GHz to 8GHz



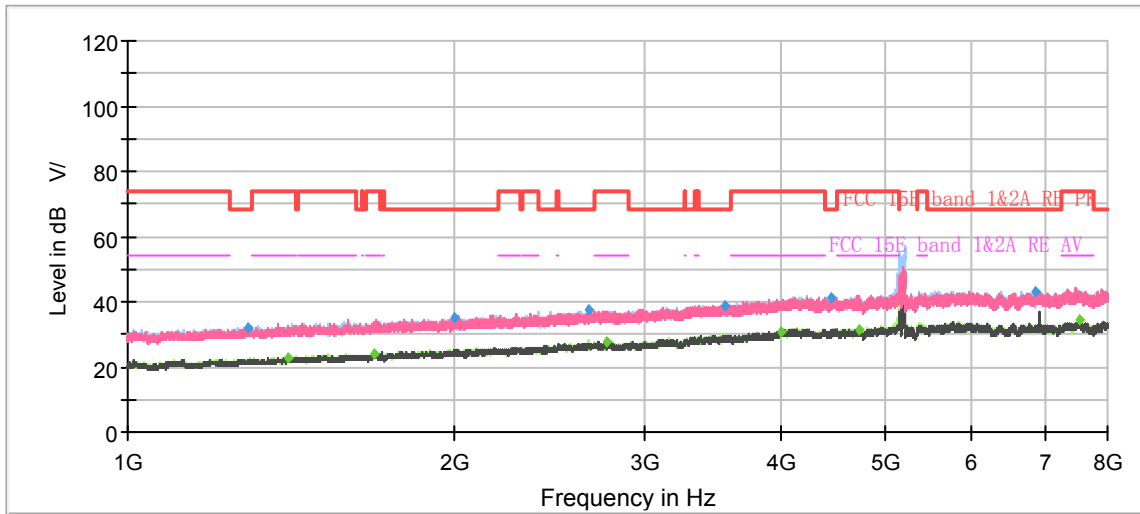
Note: The signal beyond the limit is carrier.  
Radiates Emission from 8GHz to 18GHz



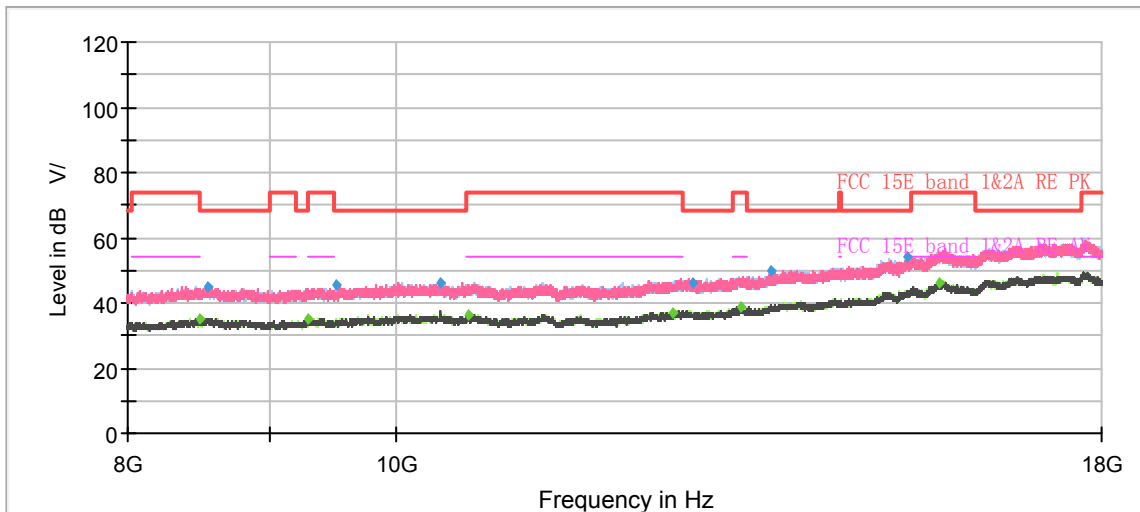
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1279.53	33.37	---	68.20	34.83	200.0	V	105.00	-17
1404.37	---	23.33	54.00	30.67	100.0	H	2.00	-16
1700.00	---	24.58	54.00	29.42	200.0	H	85.00	-15
1906.03	35.21	---	68.20	32.99	100.0	V	107.00	-14
2611.17	37.38	---	68.20	30.82	100.0	H	91.00	-10
2755.60	---	27.71	54.00	26.29	100.0	H	151.00	-9
3476.83	40.18	---	68.20	28.02	200.0	V	172.00	-6
3992.03	---	31.33	54.00	22.67	200.0	V	204.00	-4
4426.50	40.81	---	68.20	27.39	200.0	V	142.00	-3
4622.03	---	32.00	54.00	22.00	200.0	V	188.00	-3
7284.83	---	34.45	54.00	19.55	200.0	V	52.00	1
7766.67	45.29	---	68.20	22.91	100.0	V	123.00	1

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

## 802.11ac (VHT40) CH38



Radiates Emission from 1GHz to 8GHz



Note: The signal beyond the limit is carrier.  
Radiates Emission from 8GHz to 18GHz

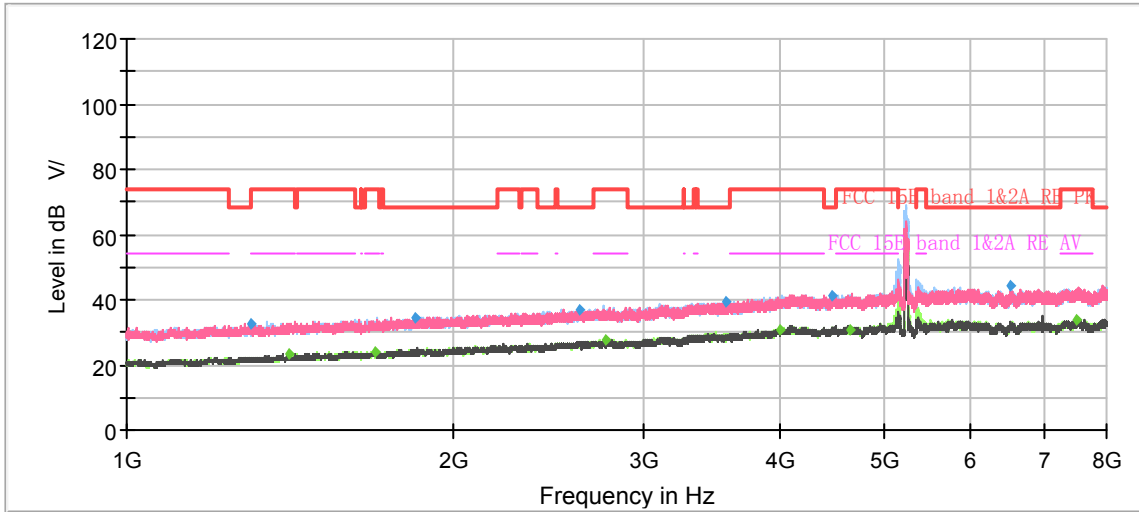


Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1291.20	32.20	---	68.20	36.00	200.0	V	330.00	-17
1408.10	---	22.98	54.00	31.02	100.0	V	284.00	-16
1687.17	---	24.08	54.00	29.92	100.0	V	291.00	-15
1999.60	34.93	---	68.20	33.27	200.0	H	239.00	-13
2658.53	37.45	---	68.20	30.75	200.0	V	81.00	-10
2767.73	---	27.74	54.00	26.26	100.0	V	49.00	-9
3553.37	38.99	---	68.20	29.21	200.0	V	59.00	-6
3999.03	---	30.95	54.00	23.05	200.0	V	203.00	-4
4457.77	41.04	---	68.20	27.16	200.0	V	89.00	-3
4714.43	---	31.34	54.00	22.66	200.0	V	27.00	-3
6861.57	42.94	---	68.20	25.26	200.0	H	202.00	0
7528.43	---	34.16	54.00	19.84	100.0	V	0.00	1

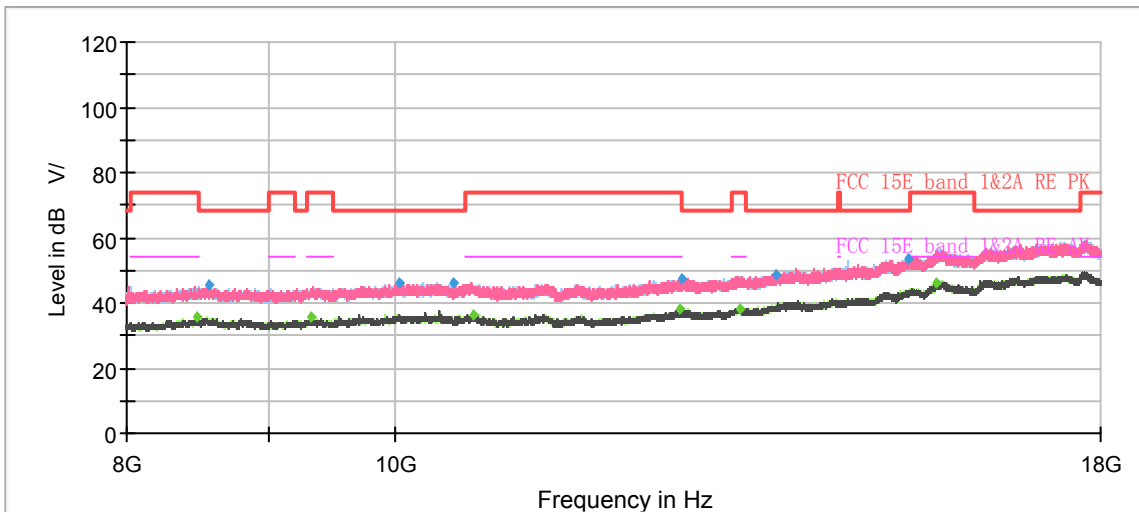
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)



802.11ac (VHT40) CH46



Radiates Emission from 1GHz to 8GHz



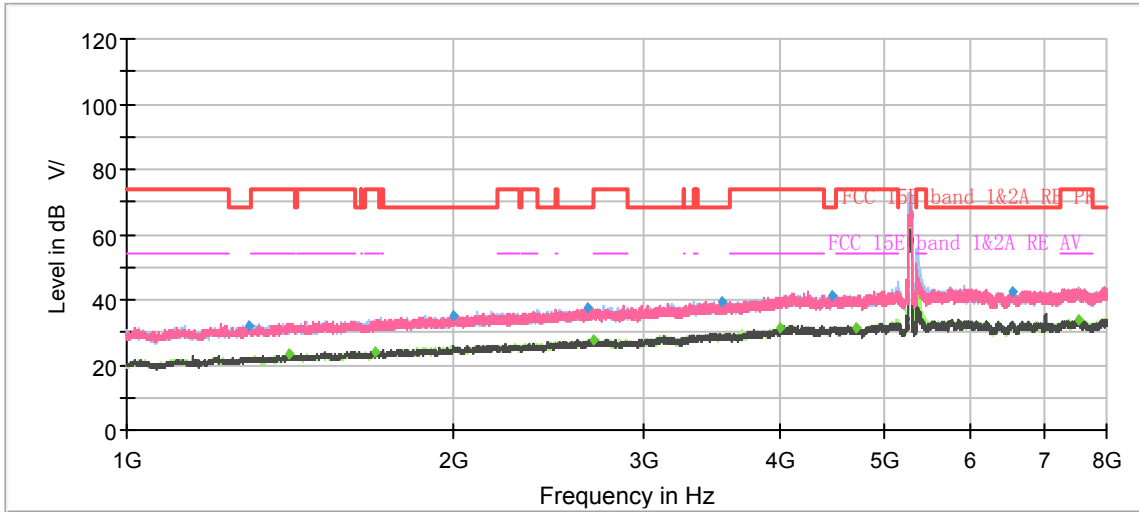
Note: The signal beyond the limit is carrier.  
Radiates Emission from 8GHz to 18GHz



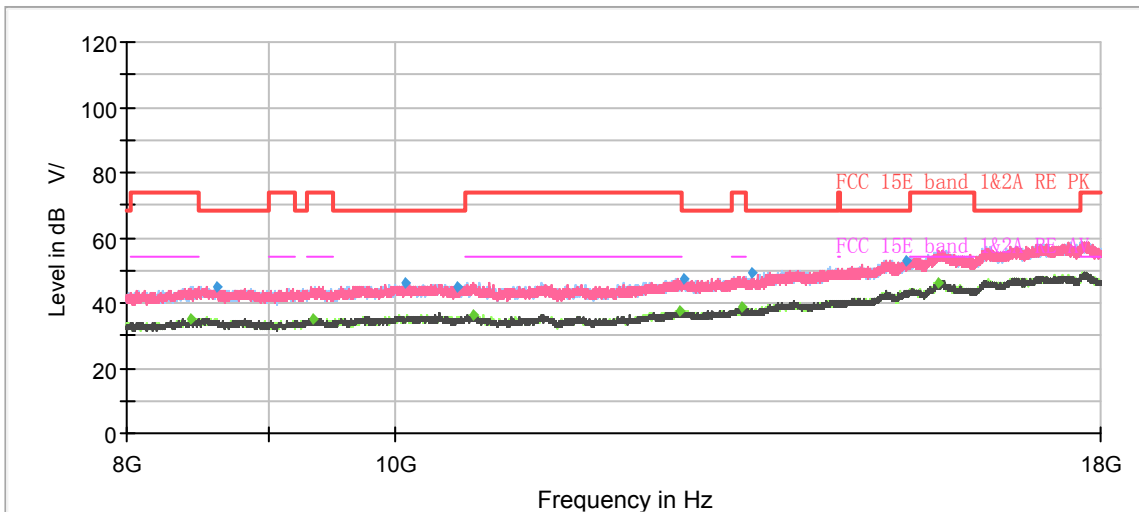
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1299.37	32.82	---	68.20	35.38	100.0	V	338.00	-17
1413.70	---	23.34	54.00	30.66	200.0	H	194.00	-16
1692.07	---	24.15	54.00	29.85	200.0	V	23.00	-15
1845.13	34.77	---	68.20	33.43	100.0	V	0.00	-14
2613.03	37.11	---	68.20	31.09	100.0	H	82.00	-10
2768.67	---	27.75	54.00	26.25	100.0	H	242.00	-9
3565.03	39.24	---	68.20	28.96	200.0	H	240.00	-6
3995.30	---	30.95	54.00	23.05	200.0	V	1.00	-4
4470.13	41.37	---	68.20	26.83	100.0	V	256.00	-3
4635.10	---	30.96	54.00	23.04	200.0	H	77.00	-3
6518.33	44.42	---	68.20	23.78	200.0	H	37.00	0
7520.27	---	33.84	54.00	20.16	200.0	V	0.00	1

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

802.11ac (VHT40) CH54



Radiates Emission from 1GHz to 8GHz



Note: The signal beyond the limit is carrier.  
Radiates Emission from 8GHz to 18GHz

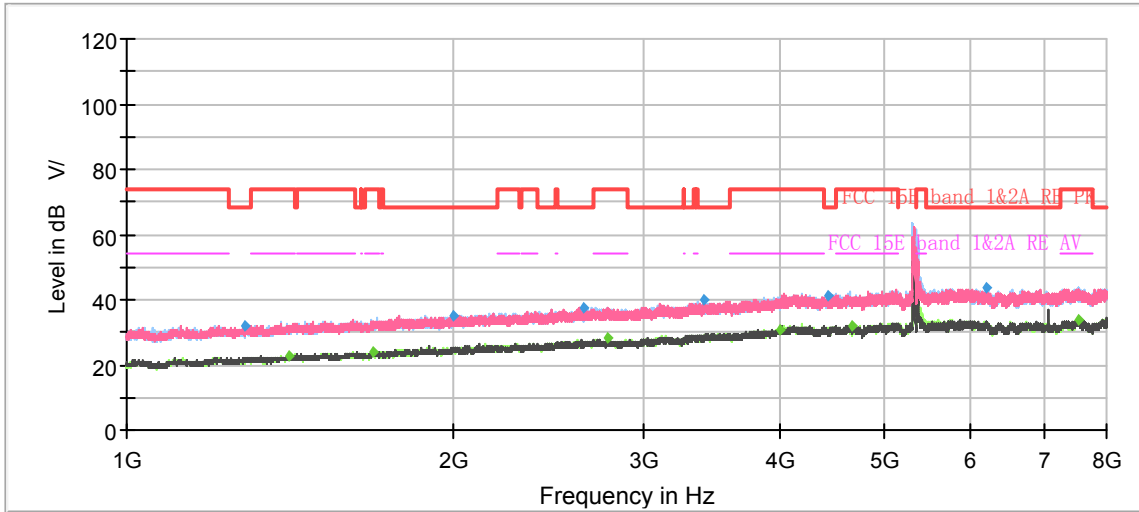


Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1293.53	32.12	---	68.20	36.08	100.0	H	98.00	-17
1410.20	---	23.13	54.00	30.87	100.0	H	6.00	-16
1696.27	---	24.29	54.00	29.71	100.0	V	85.00	-15
1999.60	35.06	---	68.20	33.14	100.0	V	243.00	-13
2662.03	37.65	---	68.20	30.55	200.0	V	15.00	-10
2690.50	---	27.87	54.00	26.13	100.0	H	0.00	-9
3531.20	39.44	---	68.20	28.76	200.0	V	0.00	-6
3992.97	---	31.54	54.00	22.46	100.0	V	296.00	-4
4462.43	40.94	---	68.20	27.26	200.0	H	157.00	-3
4699.27	---	31.61	54.00	22.39	200.0	V	0.00	-3
6540.03	42.48	---	68.20	25.72	100.0	H	14.00	0
7544.77	---	33.91	54.00	20.09	200.0	V	166.00	1

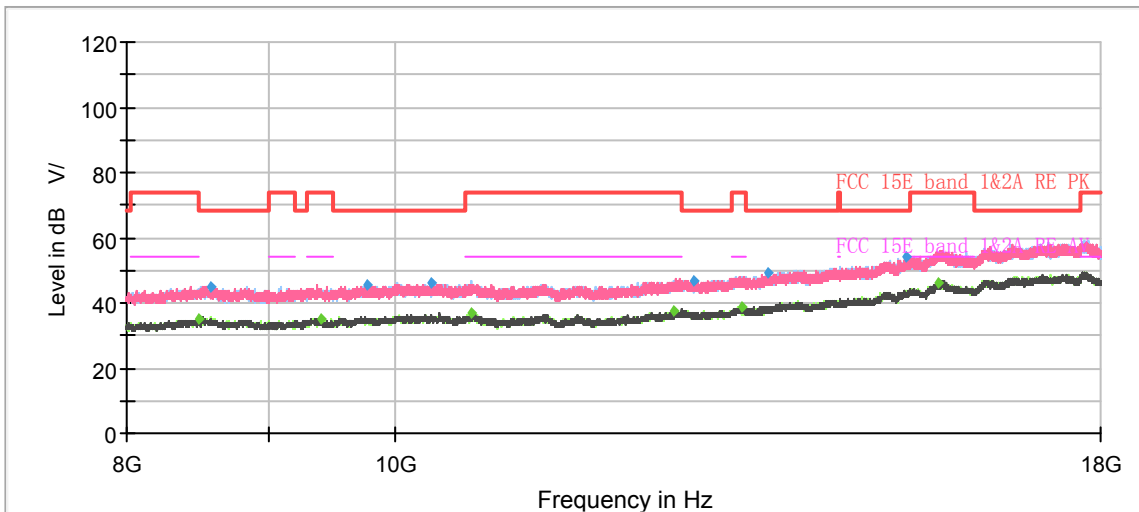
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)



802.11ac (VHT40) CH62



Radiates Emission from 1GHz to 8GHz



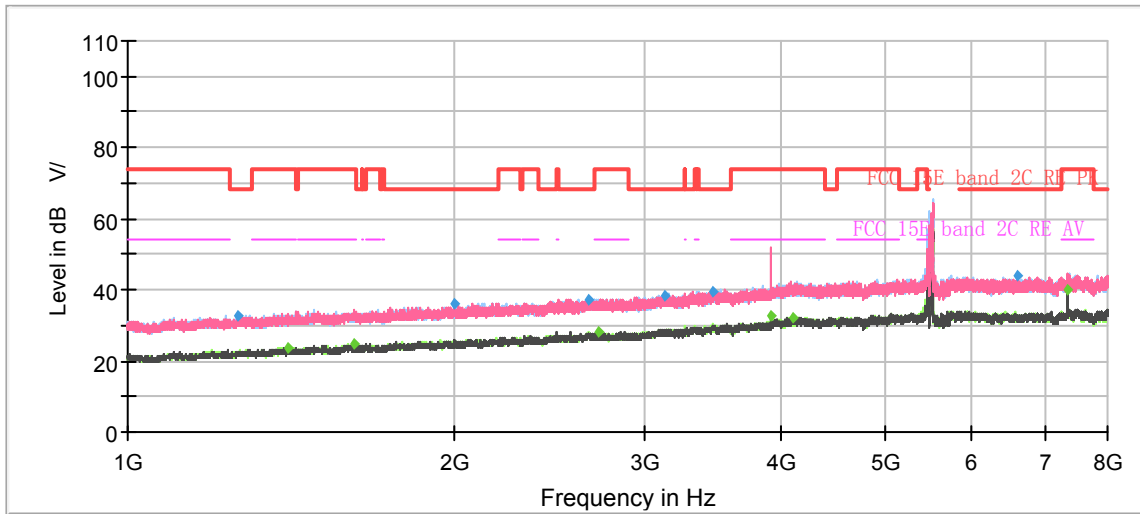
Note: The signal beyond the limit is carrier.  
Radiates Emission from 8GHz to 18GHz



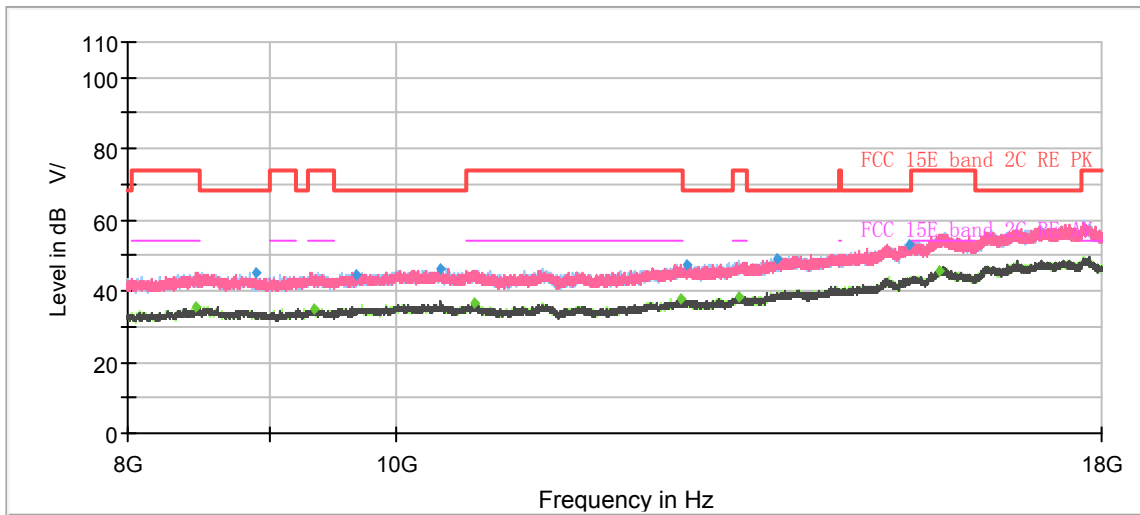
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1283.73	31.87	---	68.20	36.33	200.0	H	224.00	-17
1410.20	---	22.89	54.00	31.11	100.0	V	136.00	-16
1684.37	---	24.26	54.00	29.74	200.0	H	274.00	-15
1999.37	35.17	---	68.20	33.03	200.0	V	3.00	-13
2637.07	37.82	---	68.20	30.38	100.0	V	0.00	-10
2772.63	---	28.14	54.00	25.86	200.0	V	188.00	-9
3400.77	39.69	---	68.20	28.51	100.0	V	158.00	-7
3993.90	---	30.91	54.00	23.09	100.0	V	173.00	-4
4432.80	41.00	---	68.20	27.20	100.0	V	285.00	-3
4652.37	---	31.87	54.00	22.13	200.0	V	151.00	-3
6205.90	43.56	---	68.20	24.64	200.0	V	0.00	0
7546.40	---	33.97	54.00	20.03	100.0	V	226.00	1

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

## 802.11ac (VHT40) CH102



Radiates Emission from 1GHz to 8GHz



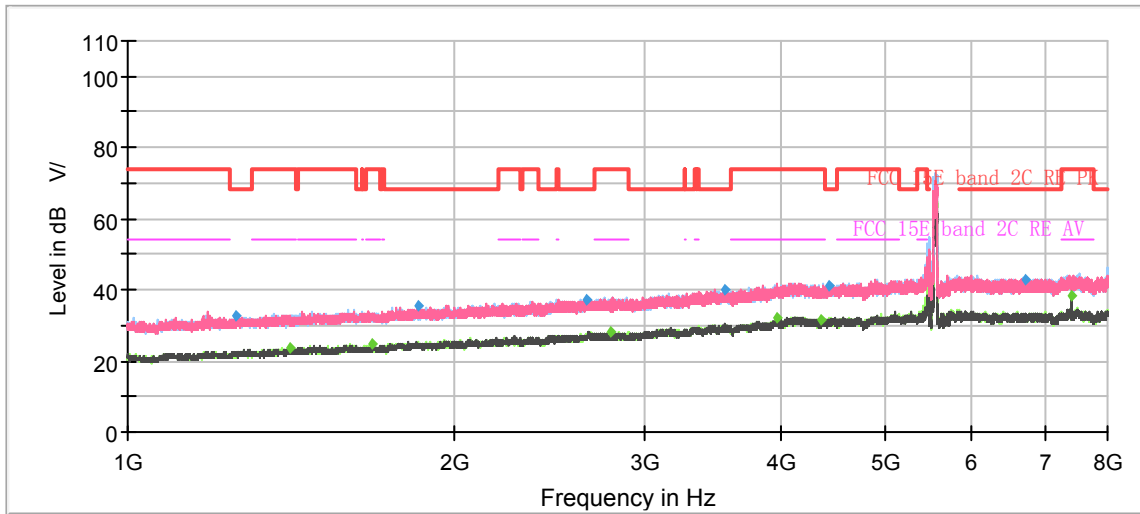
Note: The signal beyond the limit is carrier.  
Radiates Emission from 8GHz to 18GHz



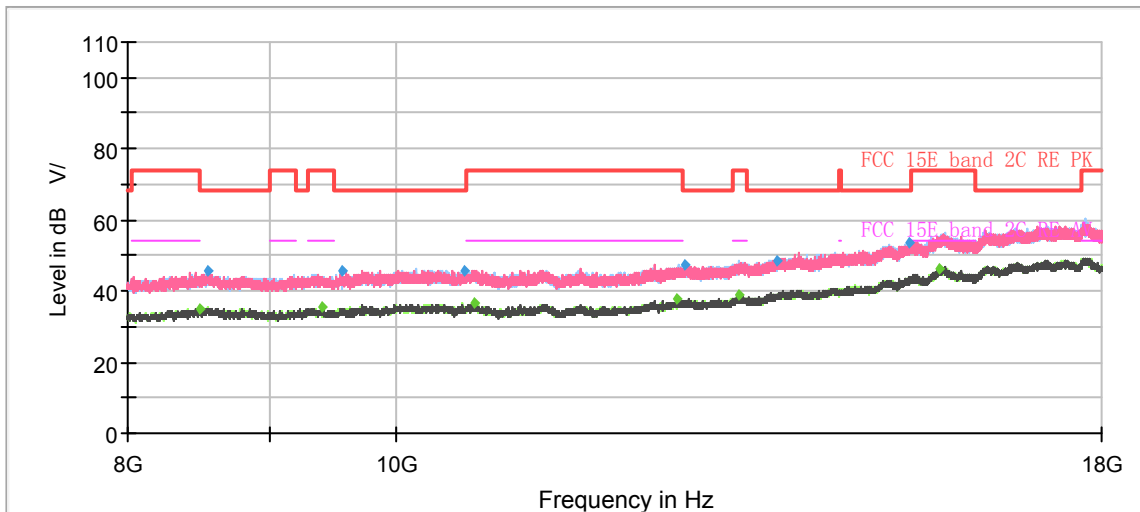
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1262.266667	32.97	---	68.20	35.23	100.0	V	124.0	-17
1407.166667	---	23.59	54.00	30.41	200.0	H	164.0	-16
1614.833333	---	24.90	54.00	29.10	100.0	V	186.0	-15
1999.133333	36.00	---	68.20	32.20	200.0	H	110.0	-13
2660.633333	37.50	---	68.20	30.70	100.0	V	78.0	-10
2719.900000	---	28.04	54.00	25.96	100.0	V	139.0	-9
3130.100000	38.23	---	68.20	29.97	200.0	V	0.0	-8
3458.866667	39.74	---	68.20	28.46	200.0	V	268.0	-6
3908.500000	---	32.47	54.00	21.53	200.0	V	10.0	-4
4101.933333	---	31.88	54.00	22.12	100.0	V	40.0	-3
6606.766667	43.96	---	68.20	24.24	100.0	V	139.0	0
7346.900000	---	39.99	54.00	14.01	100.0	V	109.0	1

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

## 802.11ac (VHT40) CH110



Radiates Emission from 1GHz to 8GHz



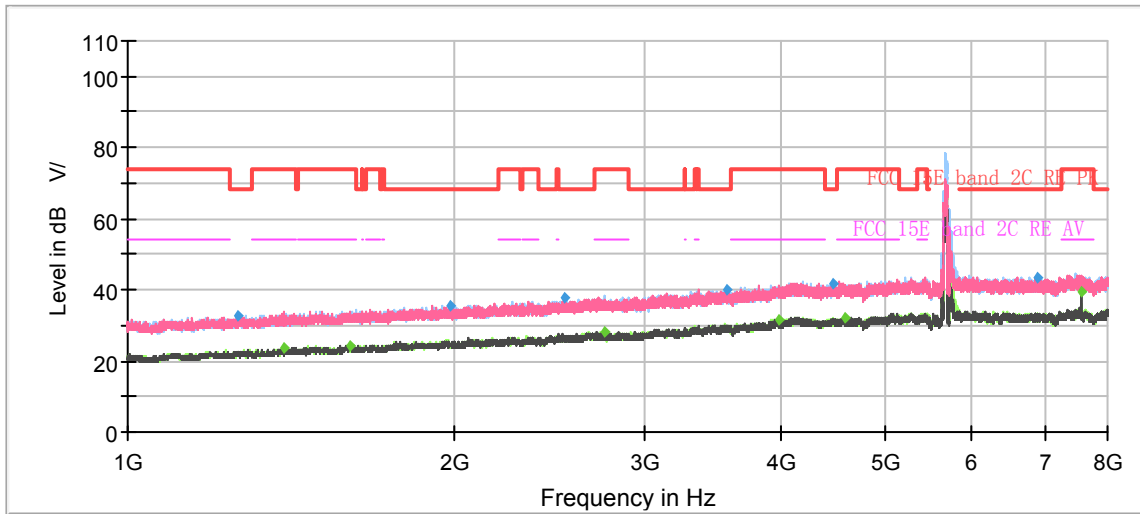
Note: The signal beyond the limit is carrier.  
Radiates Emission from 8GHz to 18GHz



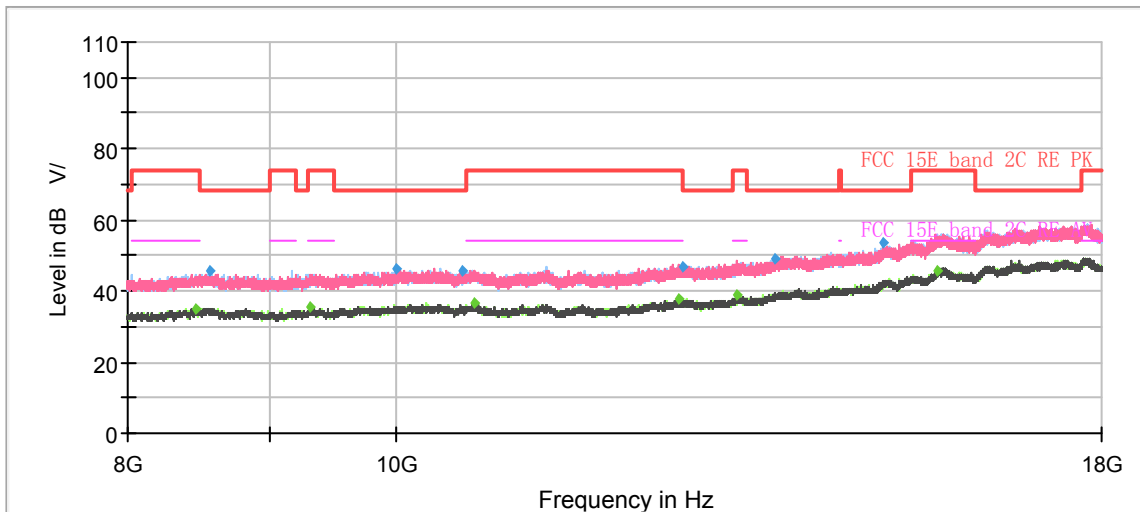
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1257.366667	32.91	---	68.20	35.29	100.0	H	150.0	-17
1412.066667	---	23.54	54.00	30.46	200.0	H	196.0	-16
1677.366667	---	25.03	54.00	28.97	100.0	H	22.0	-15
1848.866667	35.67	---	68.20	32.53	200.0	V	28.0	-14
2650.833333	37.30	---	68.20	30.90	200.0	V	0.0	-10
2786.866667	---	27.98	54.00	26.02	200.0	H	0.0	-9
3545.666667	40.23	---	68.20	27.97	100.0	V	32.0	-6
3961.700000	---	32.20	54.00	21.80	200.0	H	134.0	-4
4355.566667	---	31.53	54.00	22.47	200.0	V	21.0	-4
4432.566667	41.25	---	68.20	26.95	100.0	H	354.0	-3
6732.533333	43.08	---	68.20	25.12	200.0	V	346.0	0
7400.100000	---	38.33	54.00	15.67	100.0	V	101.0	1

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

## 802.11ac (VHT40) CH134



Radiates Emission from 1GHz to 8GHz



Note: The signal beyond the limit is carrier.  
Radiates Emission from 8GHz to 18GHz

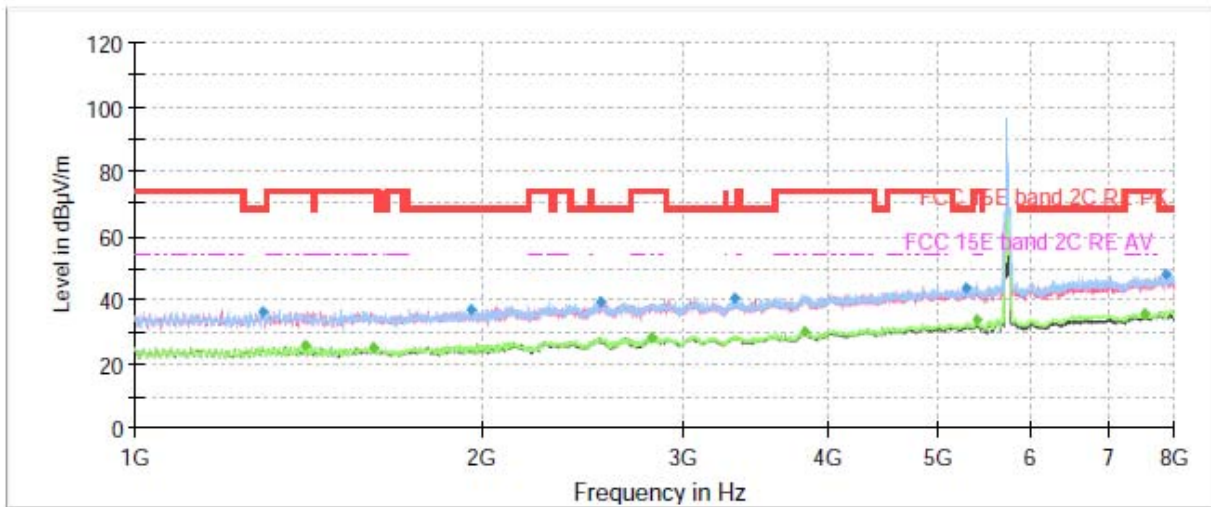


Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1265.533333	33.00	---	68.20	35.20	100.0	H	172.0	-17
1391.766667	---	23.60	54.00	30.40	100.0	V	22.0	-16
1605.500000	---	24.50	54.00	29.50	200.0	H	240.0	-15
1983.733333	35.35	---	68.20	32.85	100.0	H	285.0	-13
2521.800000	37.55	---	68.20	30.65	200.0	H	44.0	-10
2756.066667	---	28.37	54.00	25.63	200.0	H	280.0	-9
3572.266667	40.16	---	68.20	28.04	100.0	V	330.0	-6
3982.000000	---	31.74	54.00	22.26	200.0	H	0.0	-4
4470.133333	41.73	---	68.20	26.47	200.0	V	64.0	-3
4579.333333	---	32.05	54.00	21.95	100.0	V	66.0	-3
6887.233333	43.45	---	68.20	24.75	100.0	V	0.0	1
7560.166667	---	39.27	54.00	14.73	100.0	V	118.0	1

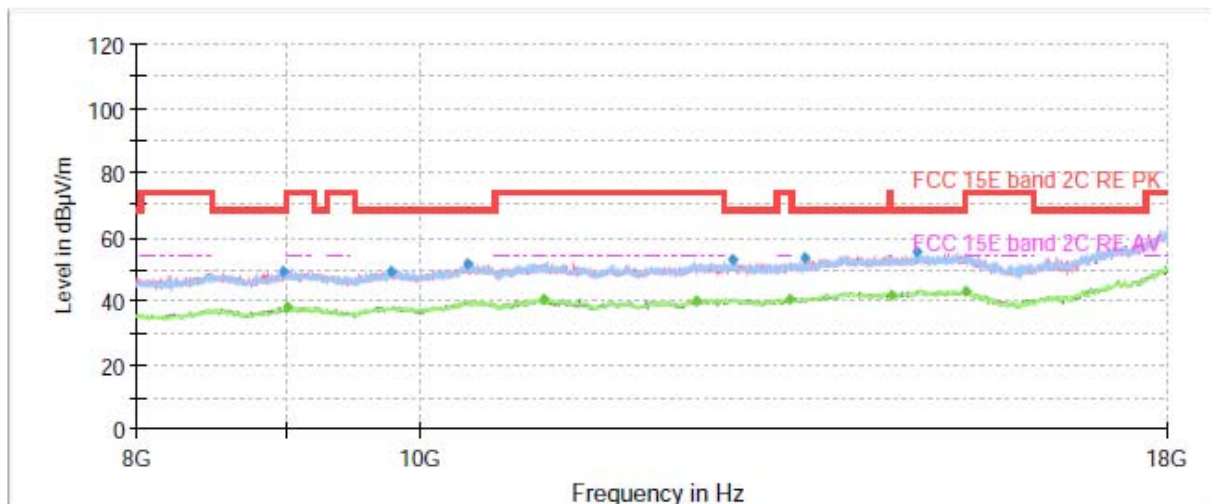
**Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)**



802.11ac (VHT40) CH142



Radiates Emission from 1GHz to 8GHz



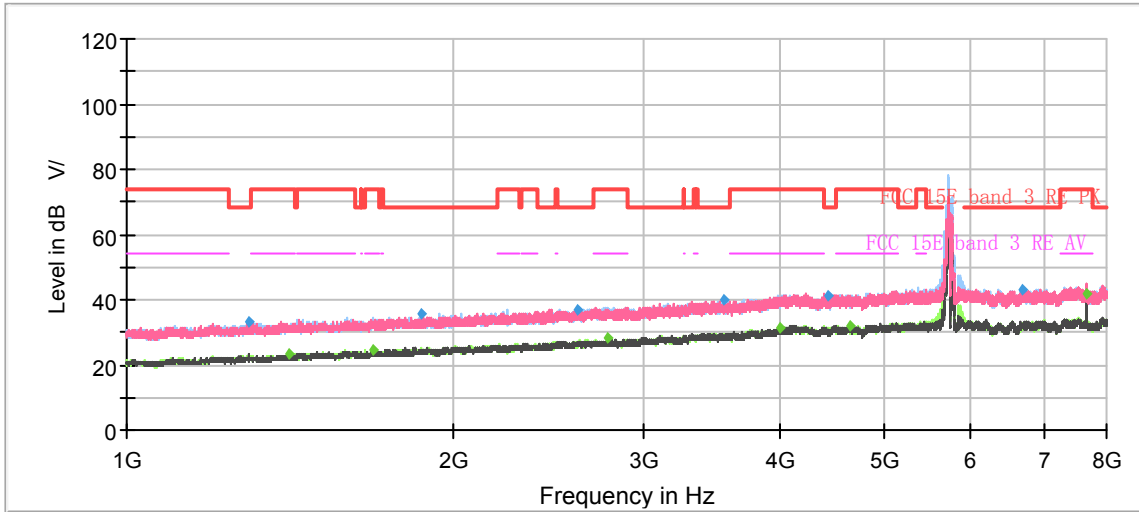
Note: The signal beyond the limit is carrier.  
Radiates Emission from 8GHz to 18GHz



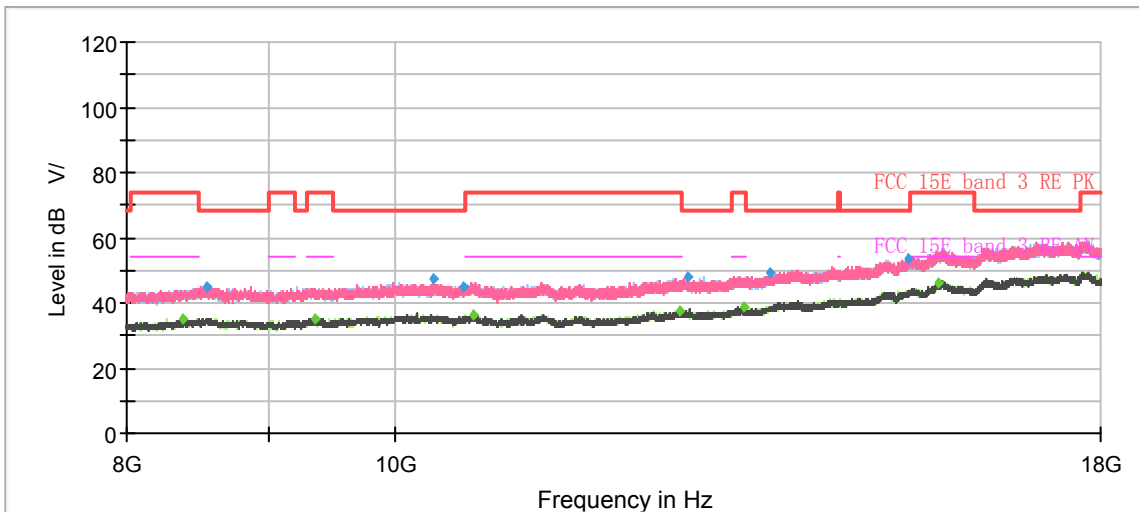
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1292.25	36.32	---	68.20	31.88	200.0	V	347.00	-18
1406.00	---	25.89	54.00	28.11	200.0	H	46.00	-17
1609.00	---	25.00	54.00	29.00	200.0	V	84.00	-16
1957.25	36.94	---	68.20	31.26	200.0	H	125.00	-15
2536.50	39.12	---	68.20	29.08	200.0	H	241.00	-14
2808.63	---	28.39	54.00	25.61	200.0	V	75.00	-13
3319.63	40.55	---	68.20	27.65	200.0	V	351.00	-13
3821.00	---	30.31	54.00	23.69	200.0	H	206.00	-12
5270.00	43.62	---	68.20	24.58	200.0	H	0.00	-8
5391.63	---	33.66	54.00	20.34	200.0	H	6.00	-7
7551.13	---	35.97	54.00	18.03	200.0	H	0.00	-3
7860.00	48.05	---	68.20	20.15	200.0	H	2.00	-3

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

802.11ac (VHT40) CH151



Radiates Emission from 1GHz to 8GHz



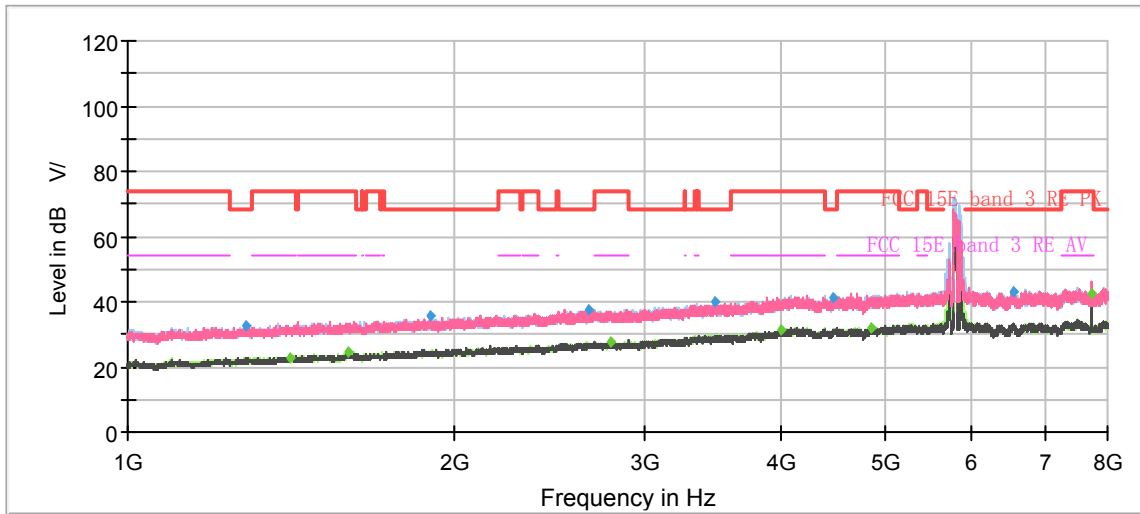
Note: The signal beyond the limit is carrier.  
Radiates Emission from 8GHz to 18GHz



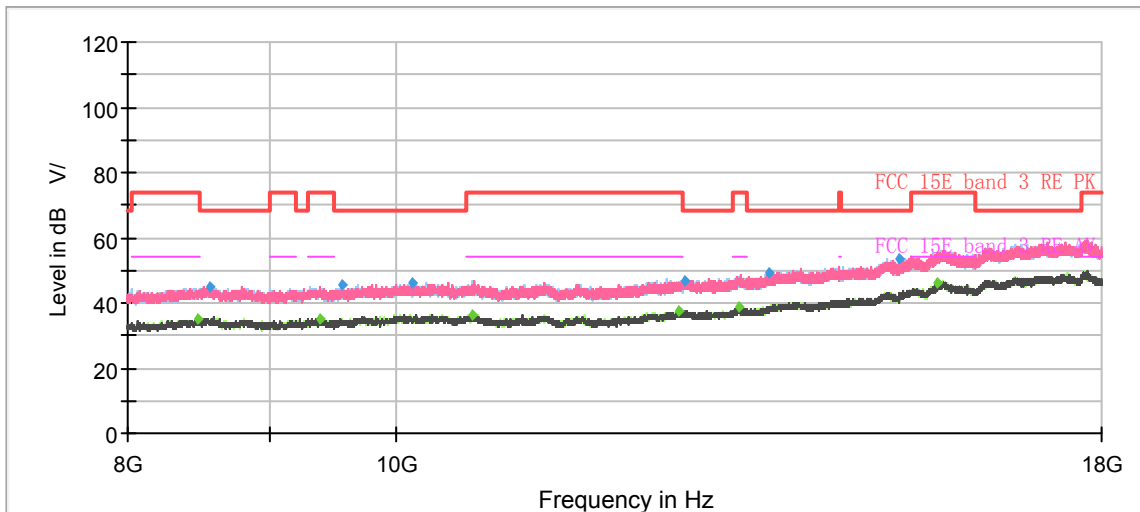
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1298.20	33.28	---	68.20	34.92	200.0	V	259.00	-17
1413.93	---	23.32	54.00	30.68	200.0	H	287.00	-16
1688.33	---	24.54	54.00	29.46	200.0	H	174.00	-15
1865.67	35.72	---	68.20	32.48	200.0	H	167.00	-14
2607.43	36.89	---	68.20	31.31	200.0	H	317.00	-10
2779.40	---	28.08	54.00	25.92	100.0	H	70.00	-9
3554.30	40.26	---	68.20	27.94	200.0	H	137.00	-6
3997.40	---	31.57	54.00	22.43	200.0	H	51.00	-4
4420.67	41.50	---	68.20	26.70	100.0	V	0.00	-3
4640.47	---	31.87	54.00	22.13	100.0	V	288.00	-3
6687.50	43.24	---	68.20	24.96	200.0	H	265.00	0
7673.57	---	41.70	54.00	12.30	100.0	V	126.00	1

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

## 802.11ac (VHT40) CH159



Radiates Emission from 1GHz to 8GHz



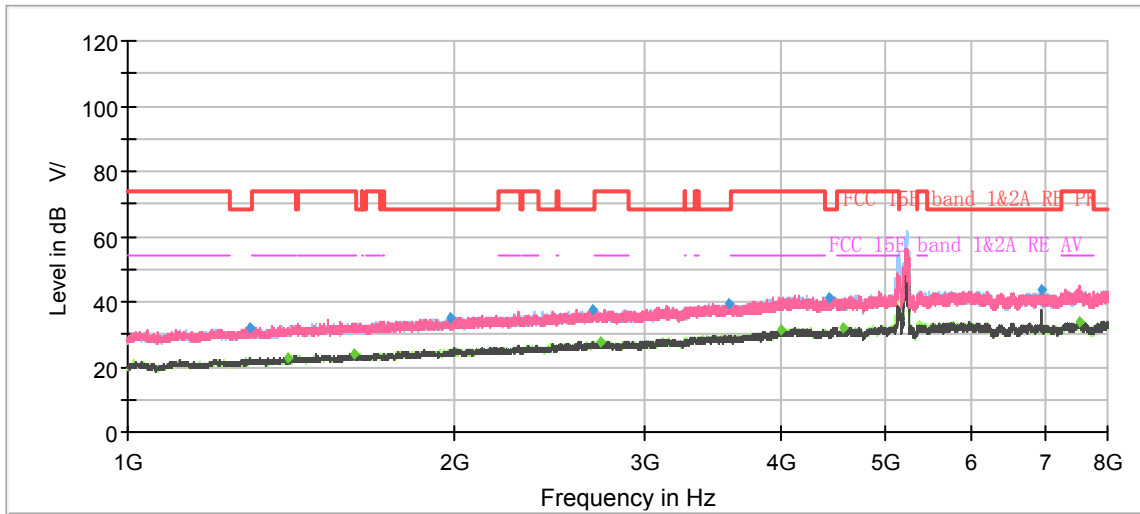
Note: The signal beyond the limit is carrier.  
Radiates Emission from 8GHz to 18GHz



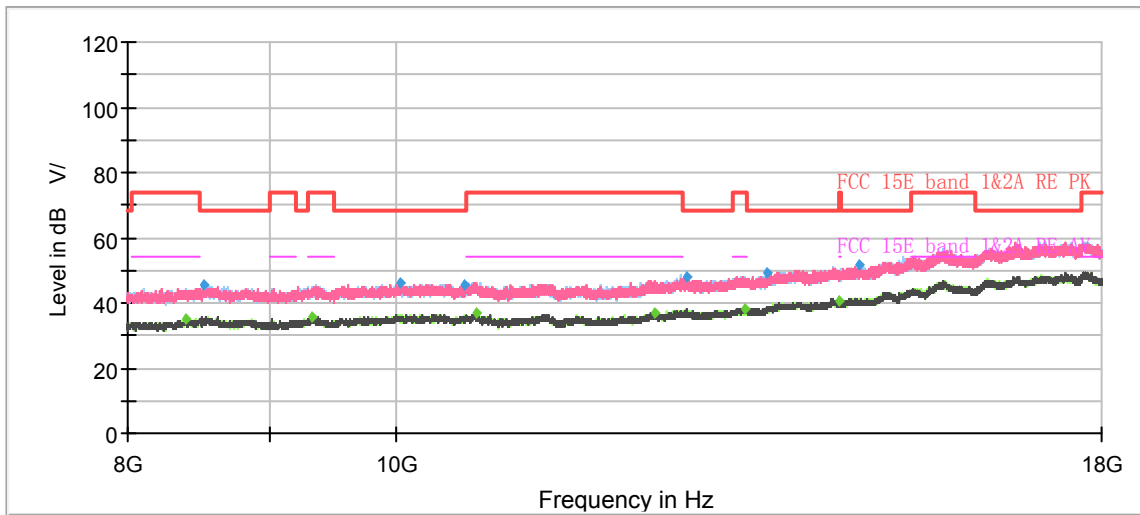
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1286.53	32.65	---	68.20	35.55	200.0	H	314.00	-17
1409.50	---	23.02	54.00	30.98	100.0	V	258.00	-16
1598.73	---	24.43	54.00	29.57	200.0	H	0.00	-15
1900.43	35.86	---	68.20	32.34	100.0	H	249.00	-14
2662.73	37.42	---	68.20	30.78	100.0	V	54.00	-10
2792.23	---	27.80	54.00	26.20	100.0	V	29.00	-9
3483.60	39.76	---	68.20	28.44	200.0	V	0.00	-6
3993.20	---	31.54	54.00	22.46	100.0	V	174.00	-4
4476.67	41.39	---	68.20	26.81	100.0	V	266.00	-3
4853.27	---	31.90	54.00	22.10	100.0	V	182.00	-2
6561.97	43.10	---	68.20	25.10	100.0	V	288.00	0
7726.77	---	42.54	54.00	11.46	100.0	V	111.00	1

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

## 802.11ac (VHT80) CH42



Radiates Emission from 1GHz to 8GHz



Note: The signal beyond the limit is carrier.  
Radiates Emission from 8GHz to 18GHz

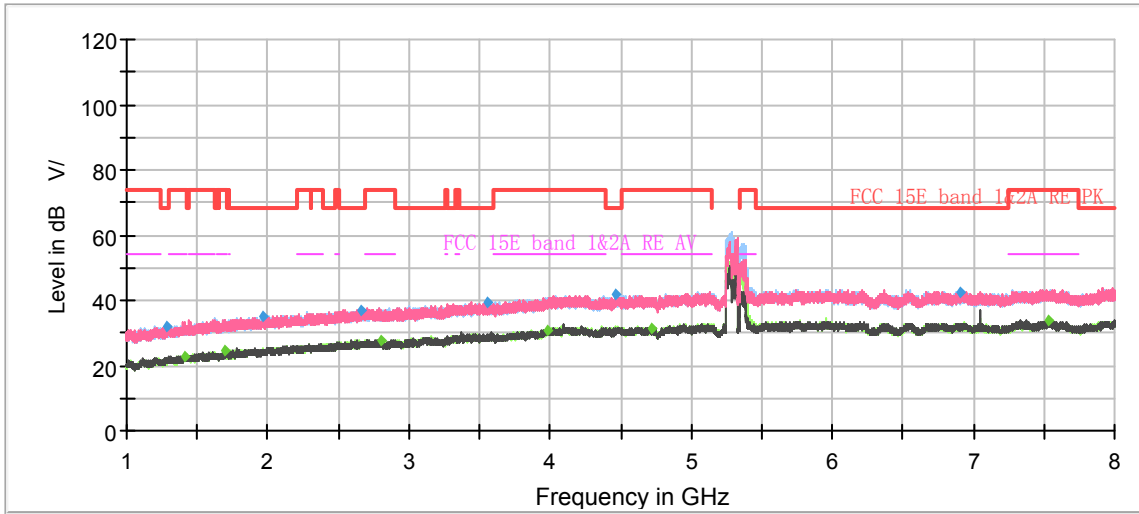


Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1296.10	32.11	---	68.20	36.09	200.0	H	195.00	-17
1407.40	---	23.03	54.00	30.97	200.0	H	349.00	-16
1619.27	---	24.29	54.00	29.71	200.0	V	164.00	-15
1980.93	35.19	---	68.20	33.01	200.0	V	359.00	-13
2687.23	37.54	---	68.20	30.66	200.0	H	264.00	-9
2727.83	---	27.69	54.00	26.31	200.0	H	187.00	-9
3583.23	39.69	---	68.20	28.51	200.0	V	112.00	-6
3997.17	---	31.29	54.00	22.71	200.0	V	188.00	-4
4433.03	41.34	---	68.20	26.86	100.0	H	0.00	-3
4559.50	---	32.15	54.00	21.85	100.0	H	7.00	-3
6946.73	43.97	---	68.20	24.23	100.0	V	171.00	1
7548.50	---	33.79	54.00	20.21	100.0	V	102.00	1

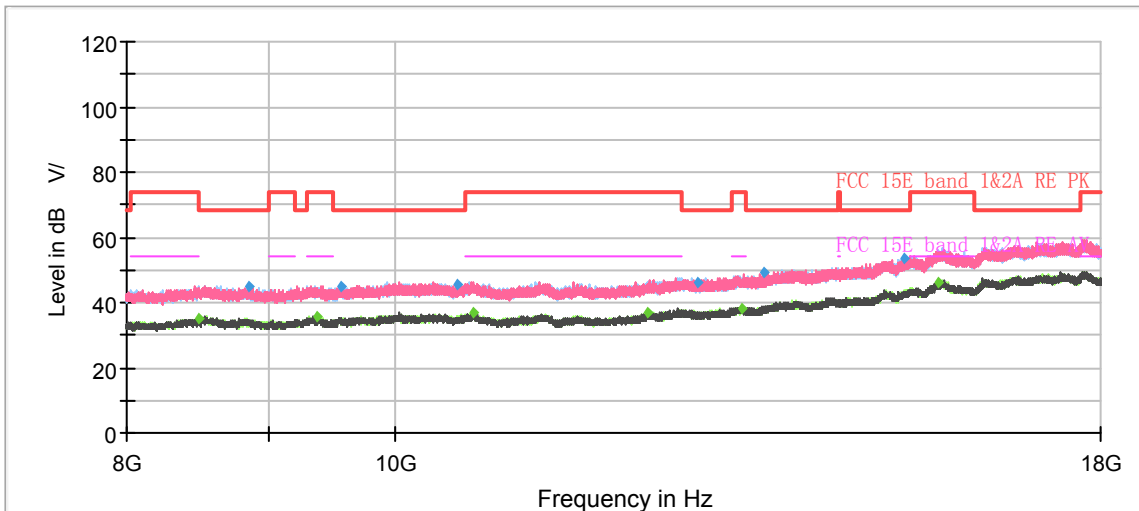
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)



802.11ac (VHT80) CH58



Radiates Emission from 1GHz to 8GHz



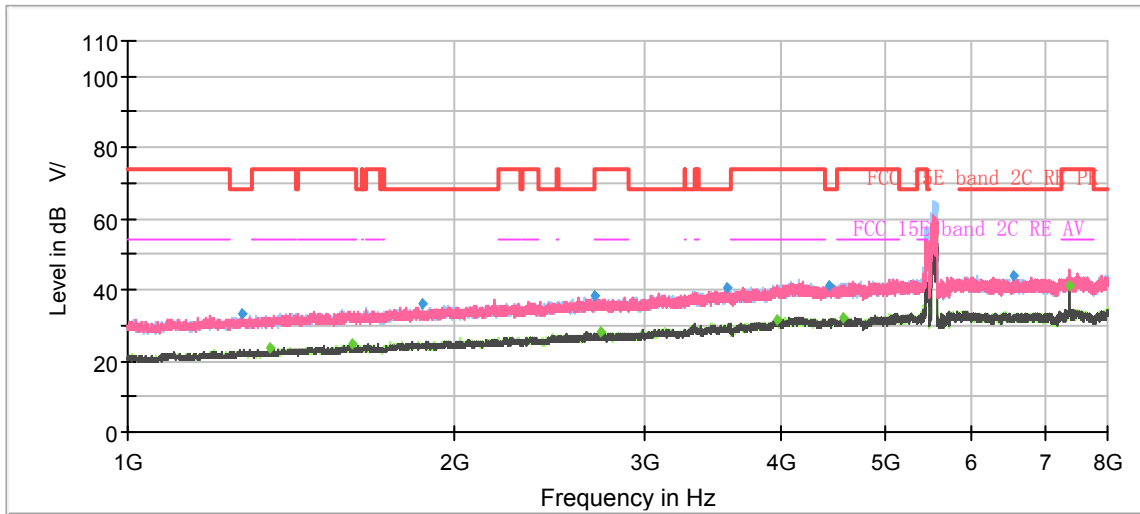
Note: The signal beyond the limit is carrier.  
Radiates Emission from 8GHz to 18GHz



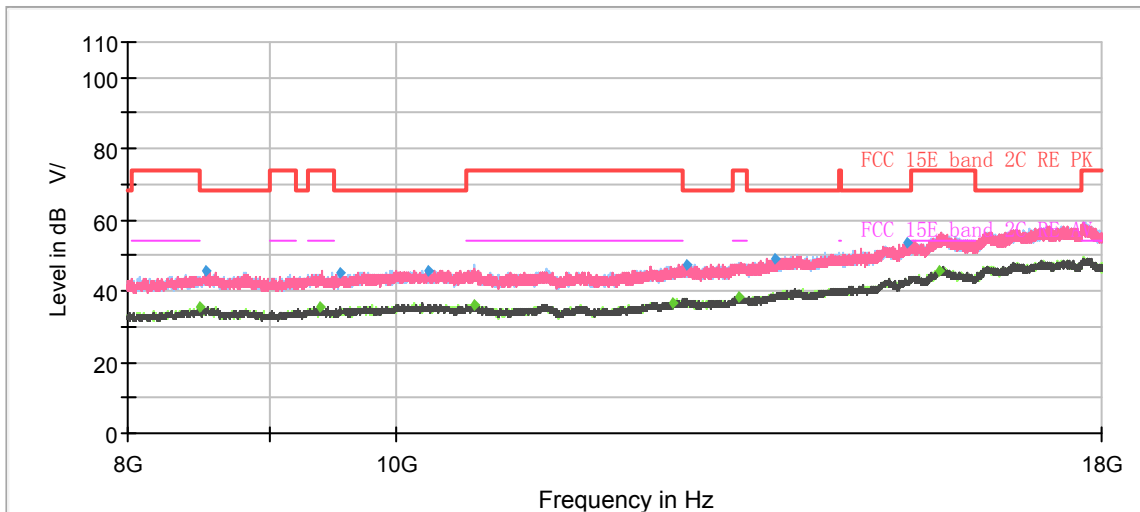
Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1281.40	32.09	---	68.20	36.11	200.0	V	72.00	-17
1407.87	---	23.07	54.00	30.93	200.0	H	170.00	-16
1700.23	---	24.33	54.00	29.67	200.0	H	154.00	-15
1962.27	35.02	---	68.20	33.18	200.0	V	9.00	-13
2655.27	37.14	---	68.20	31.06	200.0	H	330.00	-10
2804.13	---	27.88	54.00	26.12	100.0	V	85.00	-9
3558.73	39.48	---	68.20	28.72	200.0	H	315.00	-6
3976.63	---	30.99	54.00	23.01	100.0	H	256.00	-4
4468.03	41.65	---	68.20	26.55	100.0	V	4.00	-3
4715.83	---	31.38	54.00	22.62	100.0	V	262.00	-3
6900.53	42.34	---	68.20	25.86	100.0	V	232.00	1
7534.97	---	34.09	54.00	19.91	100.0	V	239.00	1

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

## 802.11ac (VHT80) CH106



Radiates Emission from 1GHz to 8GHz



Note: The signal beyond the limit is carrier.  
Radiates Emission from 8GHz to 18GHz

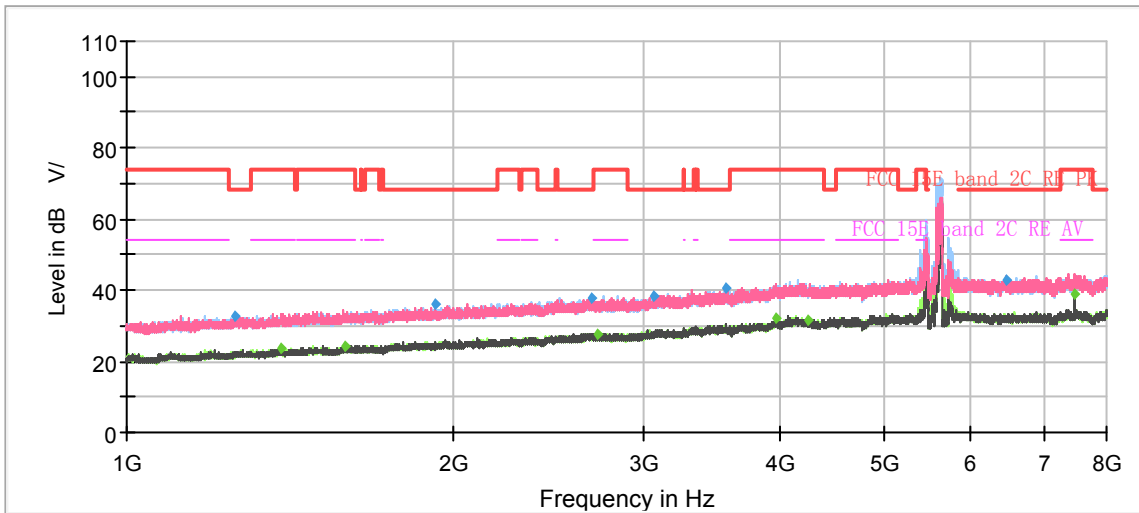


Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1274.633333	33.17	---	68.20	35.03	200.0	V	336.0	-17
1353.033333	---	23.54	54.00	30.46	100.0	H	303.0	-17
1609.000000	---	24.95	54.00	29.05	200.0	H	95.0	-15
1869.633333	36.16	---	68.20	32.04	200.0	H	194.0	-14
2688.166667	38.13	---	68.20	30.07	100.0	V	29.0	-9
2728.533333	---	27.94	54.00	26.06	100.0	H	348.0	-9
3569.933333	40.47	---	68.20	27.73	200.0	H	0.0	-6
3960.533333	---	31.74	54.00	22.26	200.0	H	80.0	-4
4425.566667	41.31	---	68.20	26.89	200.0	V	54.0	-3
4556.233333	---	31.98	54.00	22.02	100.0	V	21.0	-3
6561.266667	43.95	---	68.20	24.25	200.0	V	54.0	0
7373.266667	---	41.41	54.00	12.59	100.0	V	111.0	1

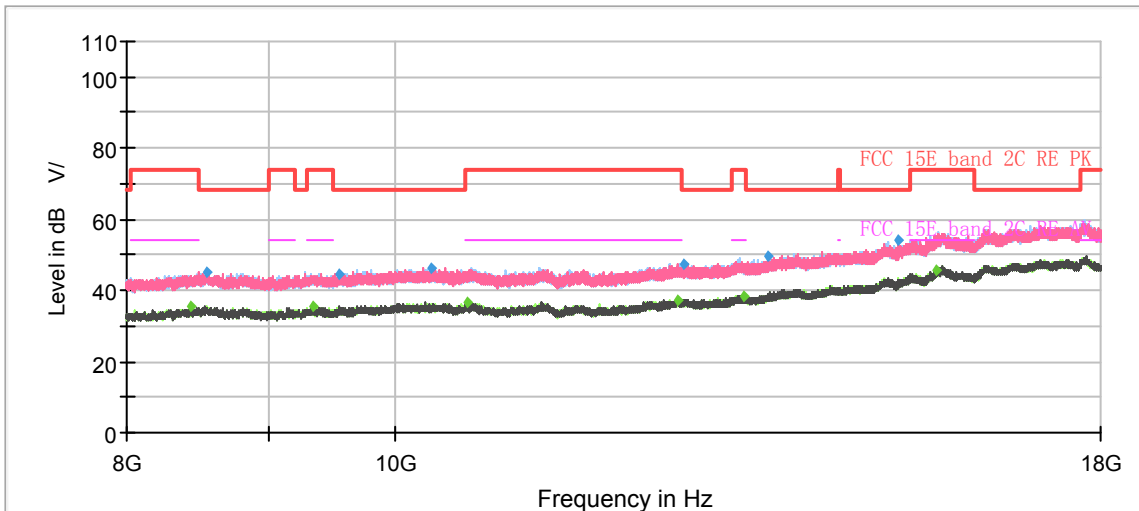
**Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)**



802.11ac (VHT80) CH122



Radiates Emission from 1GHz to 8GHz



Note: The signal beyond the limit is carrier.  
Radiates Emission from 8GHz to 18GHz

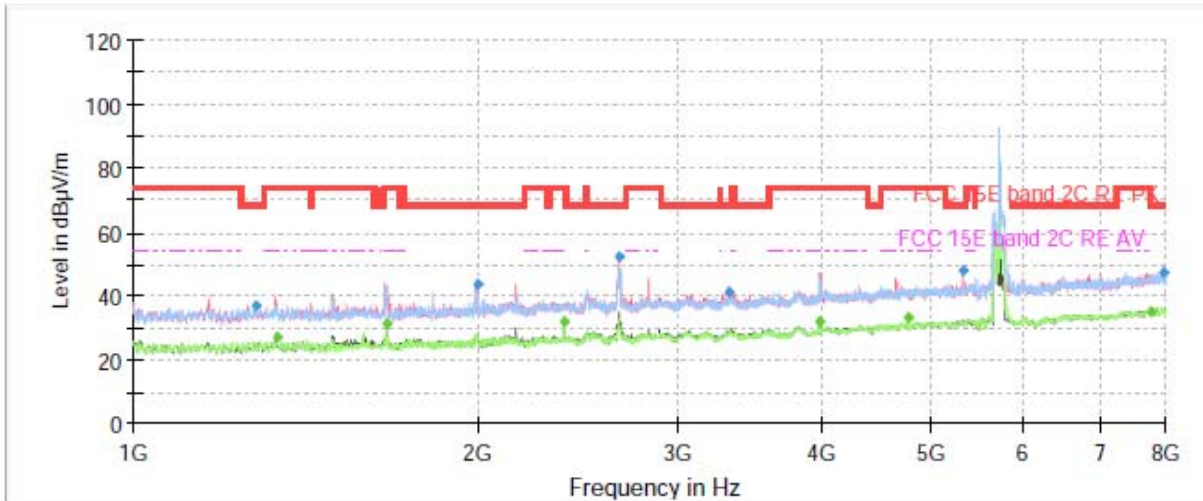


Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1259.000000	32.78	---	68.20	35.42	200.0	H	232.0	-17
1386.400000	---	23.48	54.00	30.52	100.0	H	30.0	-16
1591.033333	---	24.45	54.00	29.55	200.0	H	274.0	-15
1923.533333	35.95	---	68.20	32.25	200.0	H	322.0	-13
2681.166667	37.76	---	68.20	30.44	200.0	V	350.0	-10
2711.500000	---	27.86	54.00	26.14	200.0	H	250.0	-9
3054.733333	38.52	---	68.20	29.68	200.0	H	11.0	-8
3570.166667	40.33	---	68.20	27.87	100.0	V	185.0	-6
3964.966667	---	31.98	54.00	22.02	100.0	V	33.0	-4
4250.566667	---	31.72	54.00	22.28	200.0	V	274.0	-3
6473.766667	43.01	---	68.20	25.19	200.0	H	281.0	0
7480.133333	---	39.17	54.00	14.83	100.0	V	109.0	1

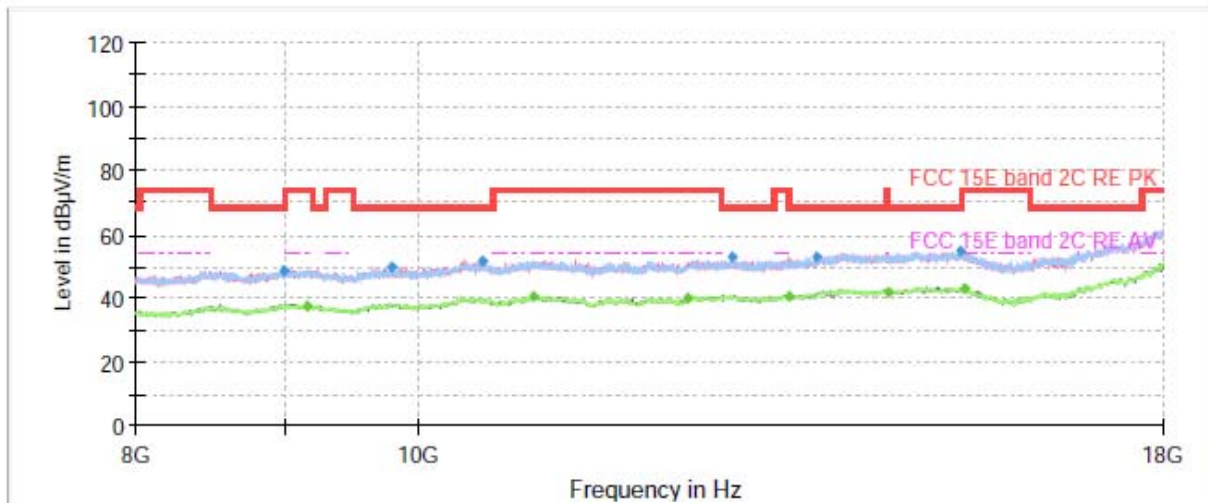
**Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)**



802.11ac (VHT80) CH138



Radiates Emission from 1GHz to 8GHz



Note: The signal beyond the limit is carrier.  
Radiates Emission from 8GHz to 18GHz

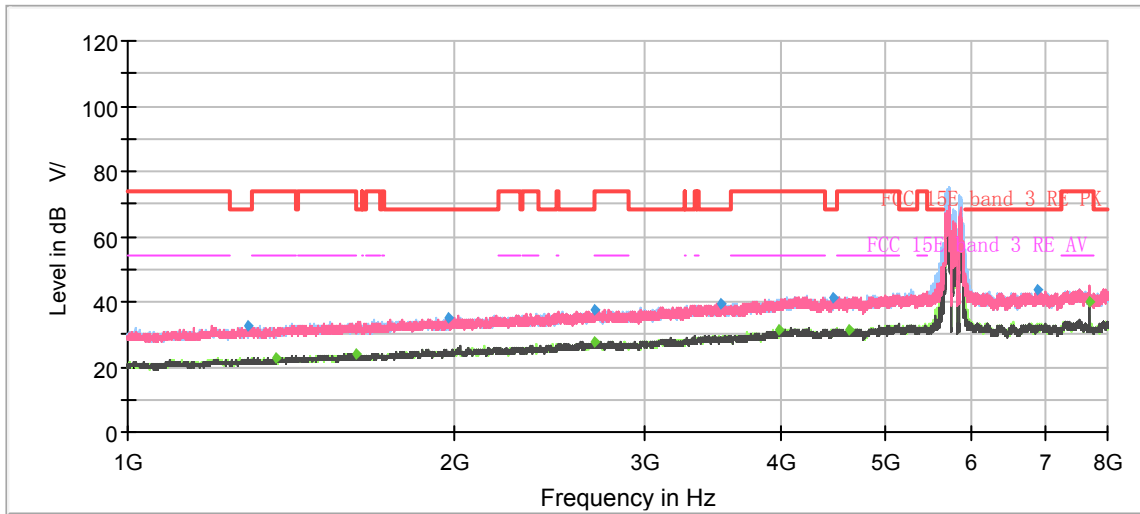


Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1278.25	36.67	---	68.20	31.53	200.0	H	0.00	-18
1335.13	---	27.12	54.00	26.88	200.0	V	181.00	-18
1664.13	---	31.19	54.00	22.81	200.0	H	259.00	-16
1996.63	43.40	---	68.20	24.80	200.0	V	0.00	-15
2380.75	---	31.94	54.00	22.06	200.0	H	241.00	-14
2657.25	52.03	---	68.20	16.17	200.0	V	93.00	-14
3323.13	41.22	---	68.20	26.98	200.0	V	335.00	-13
3988.13	---	32.09	54.00	21.91	200.0	V	198.00	-11
4762.50	---	33.40	54.00	20.60	200.0	V	181.00	-9
5318.13	47.70	---	68.20	20.50	200.0	V	216.00	-7
7749.75	---	35.32	54.00	18.68	200.0	H	13.00	-3
7955.38	47.15	---	68.20	21.05	200.0	V	347.00	-2

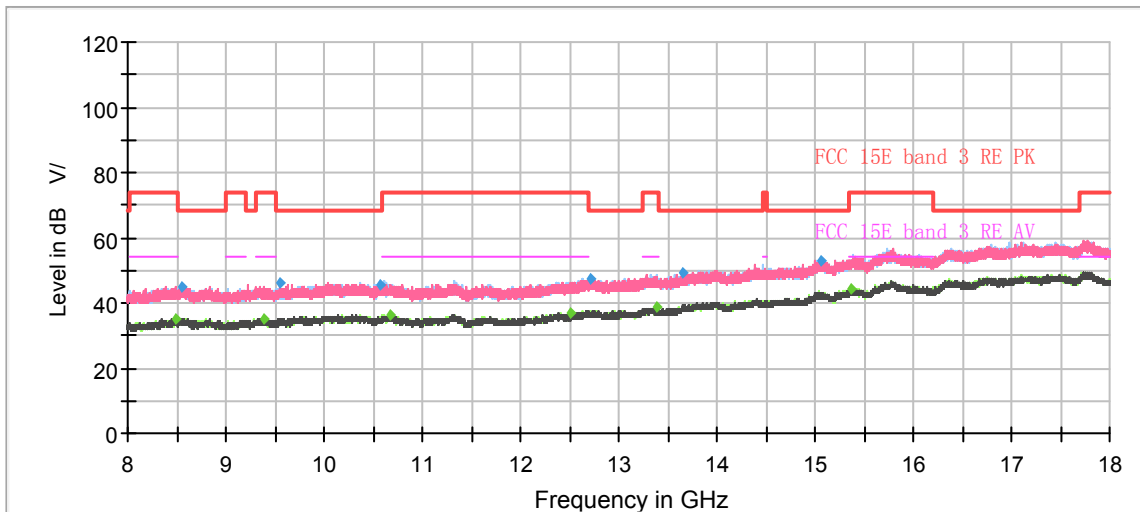
**Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)**



## 802.11ac (VHT80) CH155



Radiates Emission from 1GHz to 8GHz



Note: The signal beyond the limit is carrier.  
Radiates Emission from 8GHz to 18GHz

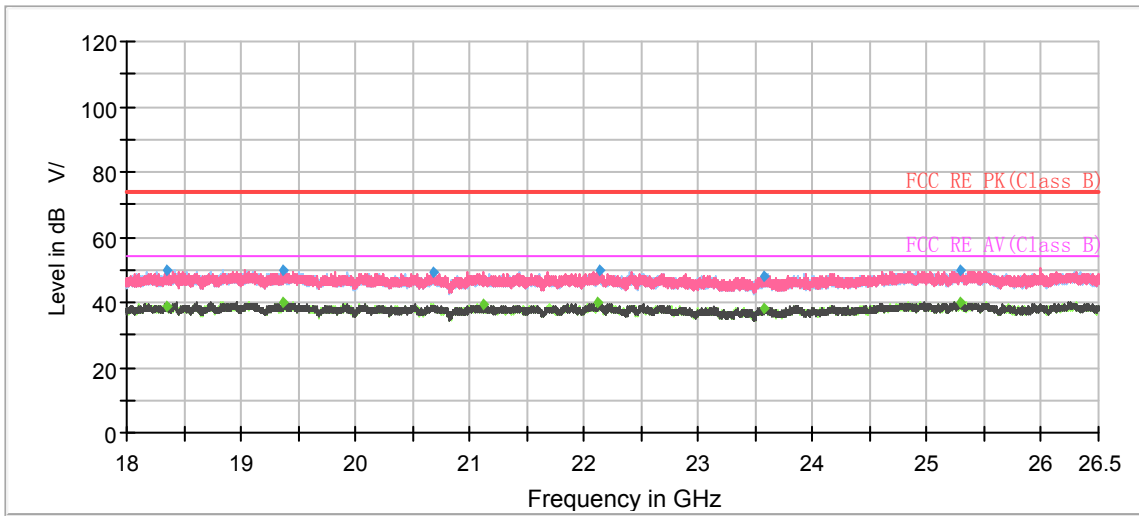


Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
1288.17	32.66	---	68.20	35.54	200.0	V	66.00	-17
1371.93	---	23.02	54.00	30.98	100.0	V	323.00	-17
1624.63	---	24.19	54.00	29.81	100.0	H	128.00	-15
1973.47	35.06	---	68.20	33.14	100.0	H	275.00	-13
2689.33	37.67	---	68.20	30.53	100.0	V	87.00	-9
2695.17	---	27.57	54.00	26.43	200.0	H	0.00	-9
3525.13	39.33	---	68.20	28.87	200.0	V	73.00	-6
3987.13	---	31.17	54.00	22.83	100.0	V	172.00	-4
4464.77	41.12	---	68.20	27.08	200.0	H	171.00	-3
4613.87	---	31.46	54.00	22.54	100.0	V	232.00	-3
6901.23	43.44	---	68.20	24.76	100.0	H	128.00	1
7700.17	---	40.18	54.00	13.82	100.0	V	103.00	1

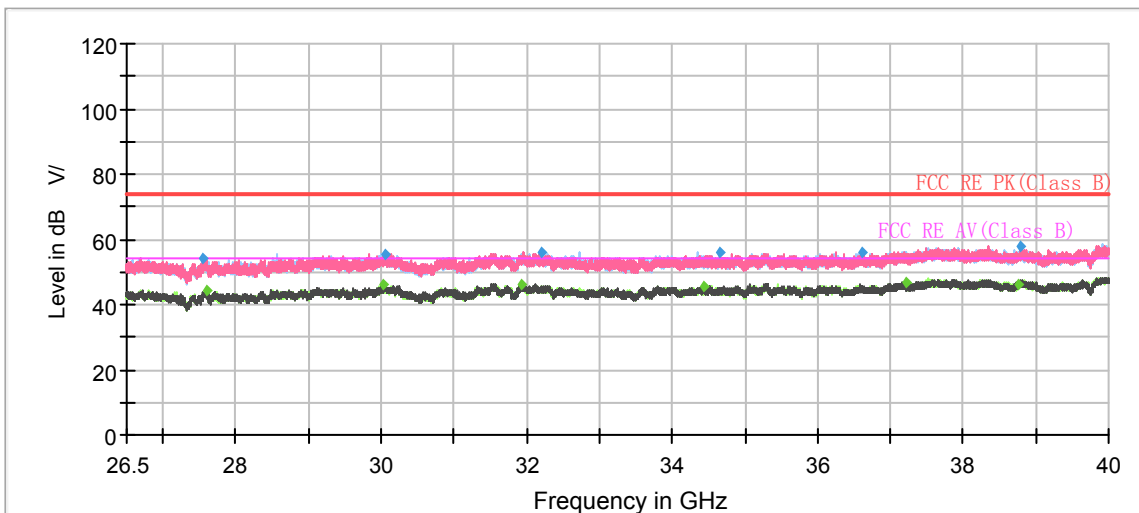
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)



During the test, the Radiates Emission from 18GHz to 40GHz was performed in all modes with all channels, 802.11n (HT20), Channel 36 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.



Radiates Emission from 18GHz to 26.5GHz



Radiates Emission from 26.5GHz to 40GHz



Frequency (MHz)	Peak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
18342.27	49.71	---	74.00	24.29	200.0	V	29.00	-2
18346.80	---	38.69	54.00	15.31	200.0	H	0.00	-2
19364.25	49.59	---	74.00	24.41	100.0	V	112.00	-1
19374.17	---	39.79	54.00	14.21	100.0	V	313.00	-1
20681.75	49.20	---	74.00	24.80	200.0	H	306.00	0
21111.57	---	39.40	54.00	14.60	100.0	H	101.00	0
22121.93	---	39.71	54.00	14.29	100.0	V	96.00	1
22133.27	49.96	---	74.00	24.04	100.0	V	4.00	1
23572.03	---	38.19	54.00	15.81	100.0	V	203.00	2
23577.98	48.12	---	74.00	25.88	100.0	V	135.00	2
25286.48	49.54	---	74.00	24.46	200.0	V	358.00	3
25288.75	---	39.98	54.00	14.02	100.0	V	172.00	3

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

## 5.6. Conducted Emission

### Ambient condition

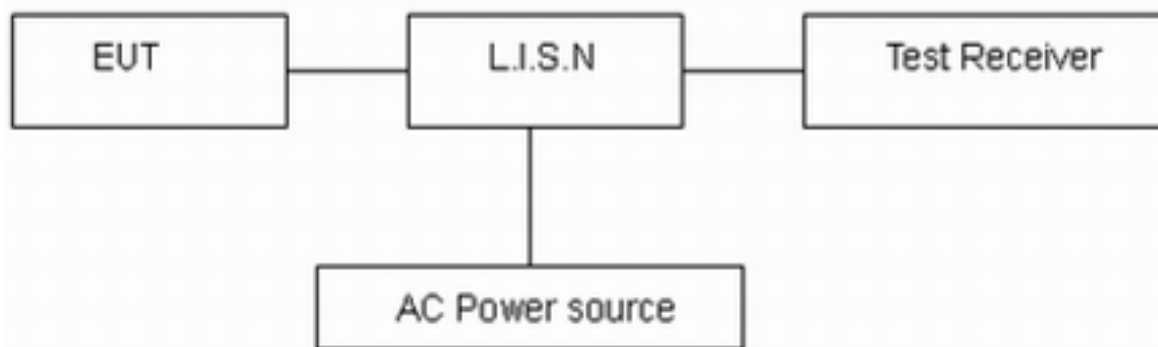
Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

### Methods of Measurement

The EUT IS placed on a non-metallic table of 80cm height above the horizontal metal reference ground plane. During the test, the EUT was operating in its typical mode. The test method is according to ANSI C63.10. Connect the AC power line of the EUT to the LISN Use EMI receiver to detect the average and Quasi-peak value. RBW is set to 9kHz, VBW is set to 30kHz The measurement result should include both L line and N line.

The test is in transmitting mode.

### Test Setup



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

### Limits

Frequency (MHz)	Conducted Limits(dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56 *	56 to 46 *
0.5 - 5	56	46
5 - 30	60	50

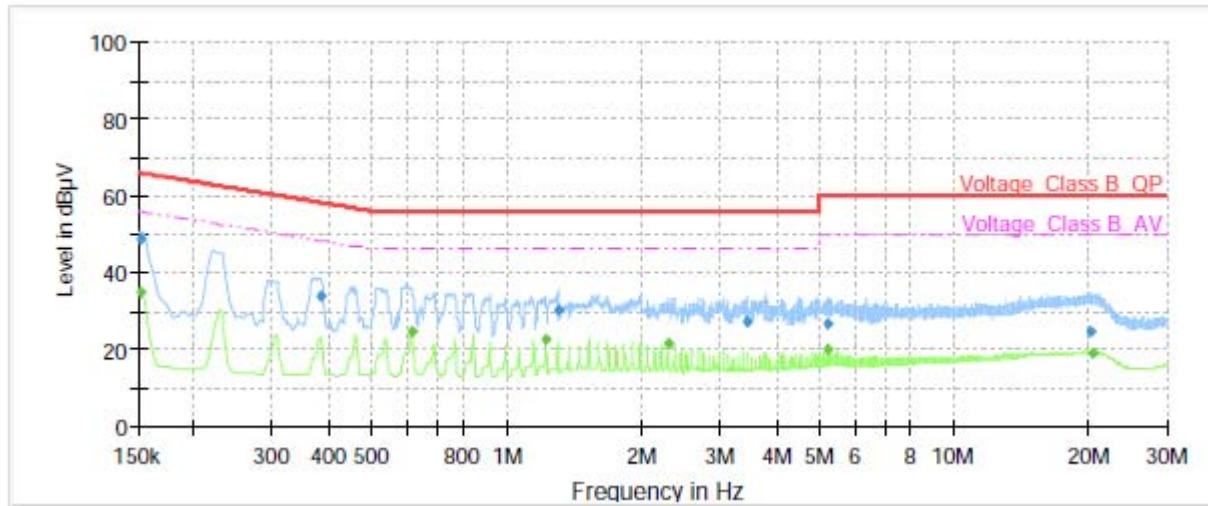
\*: Decreases with the logarithm of the frequency.

### Measurement Uncertainty

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

**Test Results:**

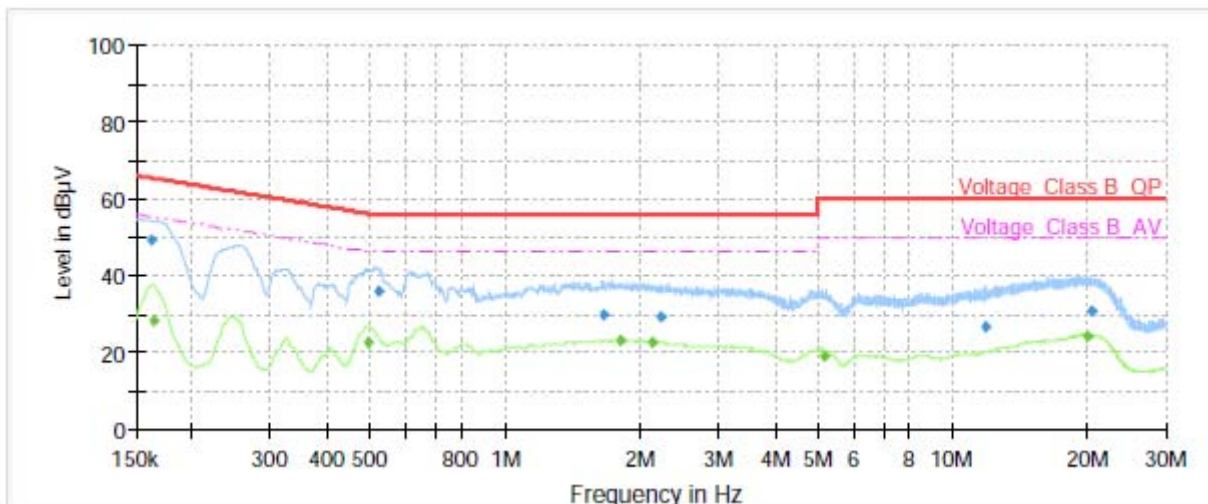
Following plots, Blue trace uses the peak detection and Green trace uses the average detection. During the test, the Conducted Emission was performed in all modes with all channels, 802.11a, Channel 64 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.



Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.15	---	34.90	55.88	20.98	70.0	9.000	L1	ON	21
0.15	48.51	---	65.88	17.37	70.0	9.000	L1	ON	21
0.38	33.83	---	58.24	24.41	70.0	9.000	L1	ON	21
0.61	---	24.77	46.00	21.23	70.0	9.000	L1	ON	20
1.22	---	22.76	46.00	23.24	70.0	9.000	L1	ON	20
1.30	30.07	---	56.00	25.93	70.0	9.000	L1	ON	20
2.29	---	21.40	46.00	24.60	70.0	9.000	L1	ON	19
3.44	27.21	---	56.00	28.79	70.0	9.000	L1	ON	19
5.20	26.52	---	60.00	33.48	70.0	9.000	L1	ON	19
5.20	---	19.75	50.00	30.25	70.0	9.000	L1	ON	19
20.29	24.49	---	60.00	35.51	70.0	9.000	L1	ON	20
20.51	---	19.07	50.00	30.93	70.0	9.000	L1	ON	20

**Remark: Correct factor=cable loss + LISN factor**

L line Conducted Emission from 150 KHz to 30 MHz



Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.16	49.36	---	65.40	16.04	70.0	9.000	N	ON	21
0.16	---	28.17	55.28	27.11	70.0	9.000	N	ON	21
0.49	---	22.32	46.13	23.81	70.0	9.000	N	ON	20
0.52	36.14	---	56.00	19.86	70.0	9.000	N	ON	20
1.65	29.63	---	56.00	26.37	70.0	9.000	N	ON	20
1.80	---	23.00	46.00	23.00	70.0	9.000	N	ON	20
2.13	---	22.59	46.00	23.41	70.0	9.000	N	ON	20
2.23	29.48	---	56.00	26.52	70.0	9.000	N	ON	20
5.14	---	19.17	50.00	30.83	70.0	9.000	N	ON	19
11.81	26.72	---	60.00	33.28	70.0	9.000	N	ON	20
19.95	---	23.86	50.00	26.14	70.0	9.000	N	ON	20
20.45	30.78	---	60.00	29.22	70.0	9.000	N	ON	20

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 KHz to 30 MHz



## 6. Main Test Instruments

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
Spectrum Analyzer	R&S	FSV40	15195-01-00	2021-05-15	2022-05-14
EMI Test Receiver	R&S	ESCI	100948	2021-05-15	2022-05-14
Loop Antenna	SCHWARZBECK	FMZB1519	1519-047	2020-04-02	2023-04-01
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9163	391	2019-12-16	2022-12-15
Horn Antenna	R&S	HF907	102723	2020-08-11	2023-08-10
Horn Antenna	ETS-Lindgren	3160-09	00102643	2021-10-10	2024-10-09
Standard Gain Horn	STEATITE	QSH-SL-26-40 -K-15	16779	2019-12-24	2022-12-23
Broadband Horn Antenna	SCHWARZBECK	BBHA 9120D	430	2018-07-07	2023-07-06
EMI Test Receiver	R&S	ESR	101667	2021-05-16	2022-05-15
LISN	R&S	ENV216	101171	2020-12-13	2022-12-12
TEMPERATURE CHAMBER	WEISS	WT2040	582261246600 50	2021-12-12	2022-12-11
WLAN AP	Cisco	Air-AP1262N- A-K9	LDK102073 (FCC ID)	/	/
Power Sensor	R&S	NRP18S	101955	2021-05-15	2022-05-14
DC Power Supply	GWINSTEK	GPS-3030D	GEP882653	2021-05-15	2022-05-14
Software	R&S	EMC32	9.26.01	/	/

\*\*\*\*\*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.**

**The Test Setup Photos are submitted separately.**



## **ANNEX C: Product Change Description**

The Product Change Description are submitted separately.