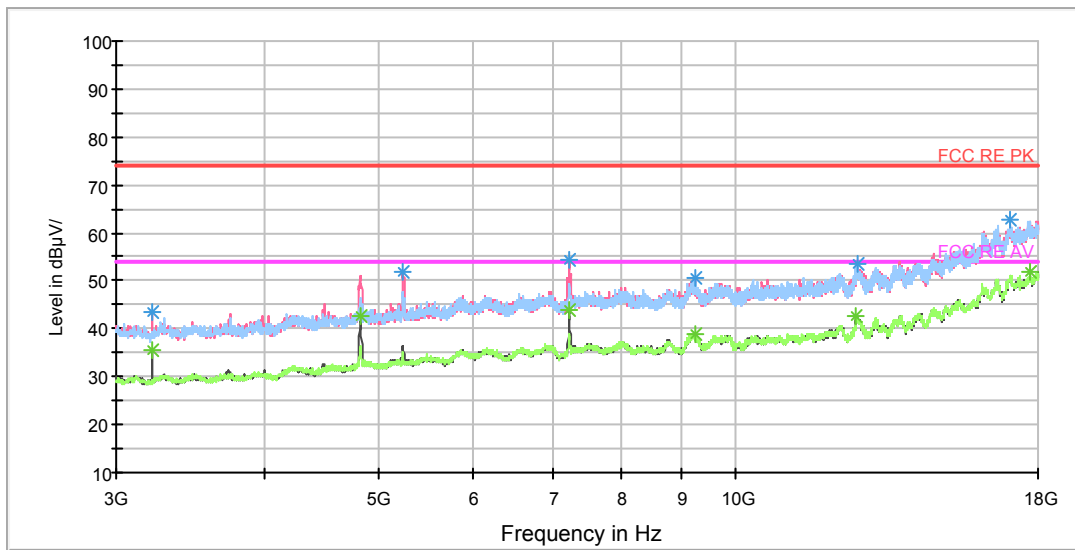


RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

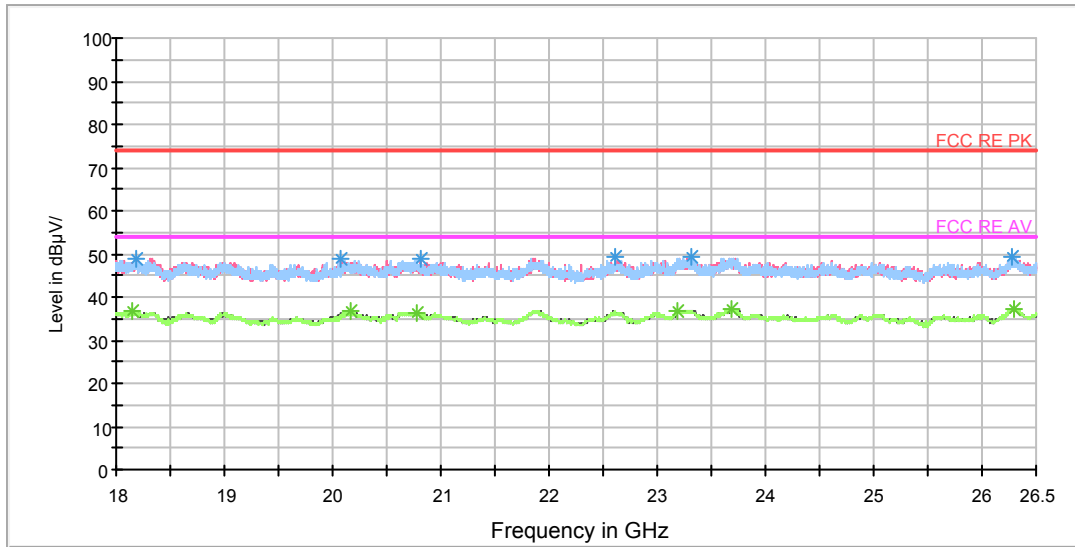
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3215.625000	43.4	102.0	V	113.0	46.2	-2.8	30.6	74
5229.375000	52.0	102.0	V	0.0	54.1	2.1	22.0	74
7235.625000	54.3	102.0	V	167.0	61.1	6.8	19.7	74
9243.750000	50.4	102.0	V	153.0	60.2	9.8	23.6	74
12669.375000	53.5	102.0	H	46.0	67.5	14.0	20.5	74
17034.375000	62.7	102.0	H	262.0	87.3	24.6	11.3	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3215.625000	35.7	102.0	V	113.0	38.5	-2.8	18.3	54
4822.500000	42.5	102.0	V	99.0	43.8	1.3	11.5	54
7241.250000	44.0	102.0	V	167.0	50.9	6.9	10.0	54
9240.000000	39.0	102.0	V	336.0	48.9	9.9	15.0	54
12641.250000	42.5	102.0	V	253.0	57.0	14.5	11.5	54
17700.000000	51.8	102.0	H	100.0	76.5	24.7	2.2	54

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

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18182.750000	49.1	V	109.0	51.7	-2.6	24.9	74
20065.500000	48.7	V	0.0	54.4	-5.7	25.3	74
20816.687500	48.9	V	197.0	55.9	-7.0	25.1	74
22603.812500	49.4	H	0.0	56.1	-6.7	24.6	74
23319.937500	49.1	V	153.0	55.1	-6.0	24.9	74
26274.750000	49.4	H	69.0	54.8	-5.4	24.6	74

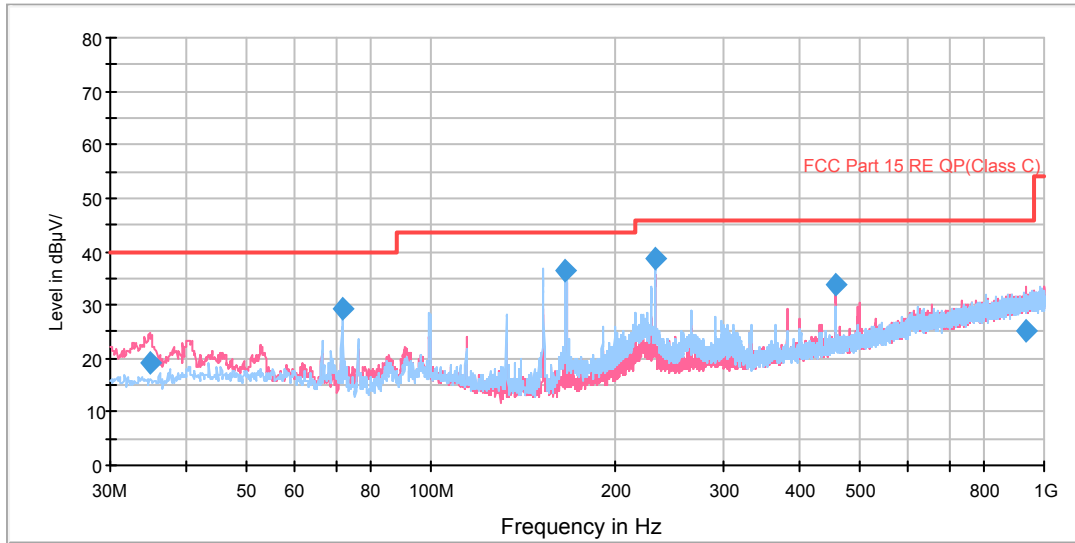
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18156.187500	36.7	H	91.0	39.2	-2.5	17.3	54
20162.187500	36.5	V	0.0	42.3	-5.8	17.5	54
20783.750000	36.5	H	4.0	43.4	-6.9	17.5	54
23193.500000	36.9	V	349.0	42.9	-6.0	17.1	54
23679.062500	37.1	H	272.0	43.0	-5.9	16.9	54
26300.250000	37.3	H	204.0	42.7	-5.4	16.7	54

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

802.11g CH6

FCC RE 0.03-1GHz QP Class C

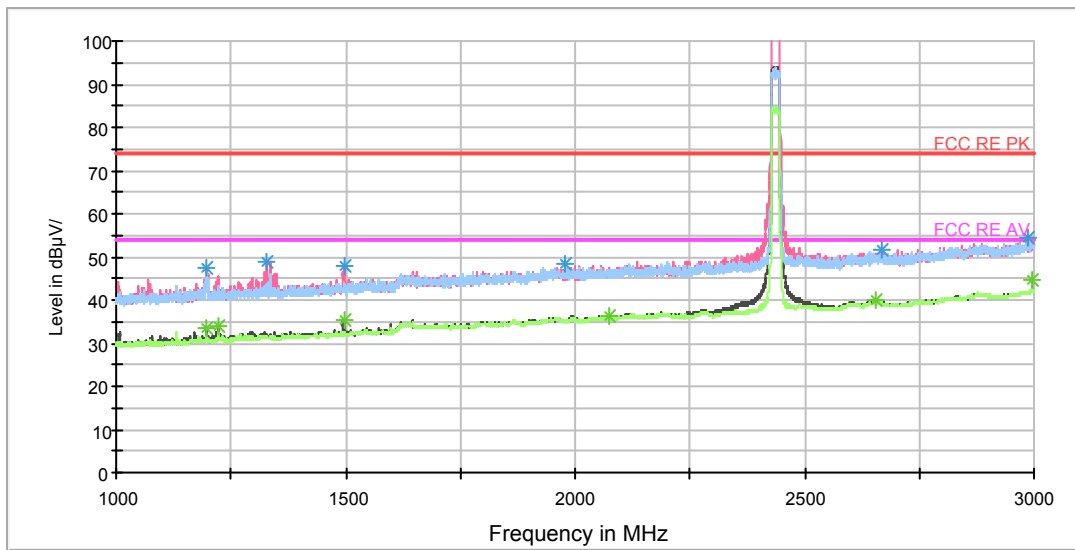


Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
34.890000	19.0	100.0	V	190.0	30.9	11.9	21.0	40.0
71.992500	29.3	225.0	H	332.0	37.9	8.6	10.7	40.0
166.005000	36.6	225.0	H	249.0	46.6	10.0	6.9	43.5
232.366250	38.8	125.0	H	112.0	52.2	13.4	7.2	46.0
458.332500	33.6	100.0	V	179.0	52.6	19.0	12.4	46.0
934.692500	25.0	100.0	V	125.0	50.9	25.9	21.0	46.0

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

RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

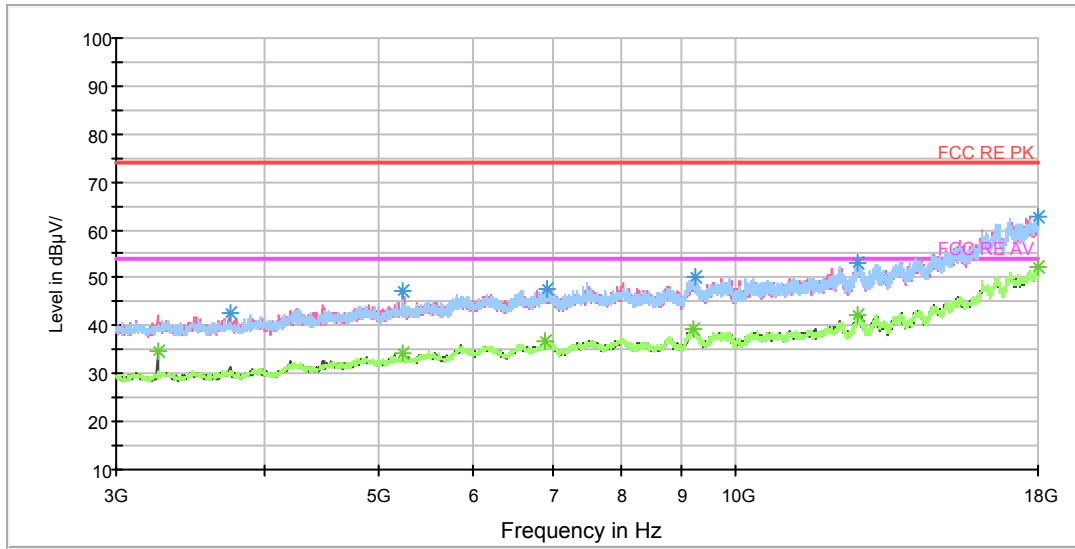
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1195.000000	47.4	102.0	V	136.0	55.6	-8.2	26.6	74
1329.500000	49.0	102.0	V	227.0	56.4	-7.4	25.0	74
1496.250000	47.9	102.0	V	0.0	54.6	-6.7	26.1	74
1979.500000	48.4	102.0	H	21.0	52.1	-3.7	25.6	74
2988.000000	54.3	102.0	V	204.0	56.5	2.2	19.7	74
2666.000000	51.5	102.0	V	112.0	51.8	0.3	22.5	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1197.500000	33.6	102.0	V	136.0	41.8	-8.2	20.4	54
1222.750000	33.9	102.0	V	38.0	41.7	-7.8	20.1	54
1497.500000	35.5	102.0	V	0.0	42.2	-6.7	18.5	54
2072.250000	36.3	102.0	V	317.0	39.4	-3.1	17.7	54
2994.750000	44.6	102.0	V	0.0	46.9	2.3	9.4	54
2655.250000	39.8	102.0	V	123.0	40.2	0.4	14.2	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

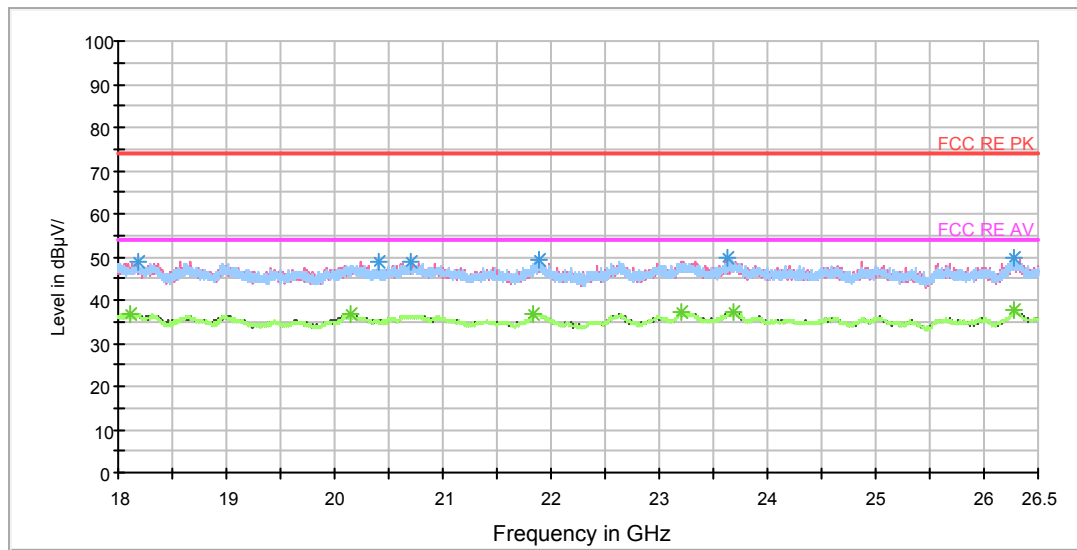
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3742.500000	42.8	102.0	V	7.0	44.5	-1.7	31.2	74
5240.625000	47.3	102.0	V	0.0	49.4	2.1	26.7	74
6935.625000	47.8	102.0	V	40.0	53.9	6.1	26.2	74
9230.625000	50.3	102.0	H	129.0	60.2	9.9	23.7	74
12654.375000	53.1	102.0	H	182.0	67.1	14.0	20.9	74
17981.250000	62.8	102.0	V	265.0	87.8	25.0	11.2	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3249.375000	34.9	102.0	V	170.0	37.4	-2.5	19.1	54
5229.375000	34.2	102.0	V	0.0	36.3	2.1	19.8	54
6907.500000	36.6	102.0	V	223.0	42.8	6.2	17.4	54
9228.750000	39.2	102.0	H	102.0	49.1	9.9	14.8	54
12682.500000	42.4	102.0	V	69.0	56.6	14.2	11.6	54
18000.000000	52.2	102.0	V	0.0	77.7	25.5	1.8	54

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

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18190.187500	49.0	H	53.0	51.6	-2.6	25.0	74
20399.125000	48.9	H	119.0	55.0	-6.1	25.1	74
20708.312500	48.7	H	0.0	55.4	-6.7	25.3	74
21897.250000	49.2	H	119.0	57.2	-8.0	24.8	74
23625.937500	49.8	V	0.0	55.7	-5.9	24.2	74
26280.062500	50.0	H	140.0	55.4	-5.4	24.0	74

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

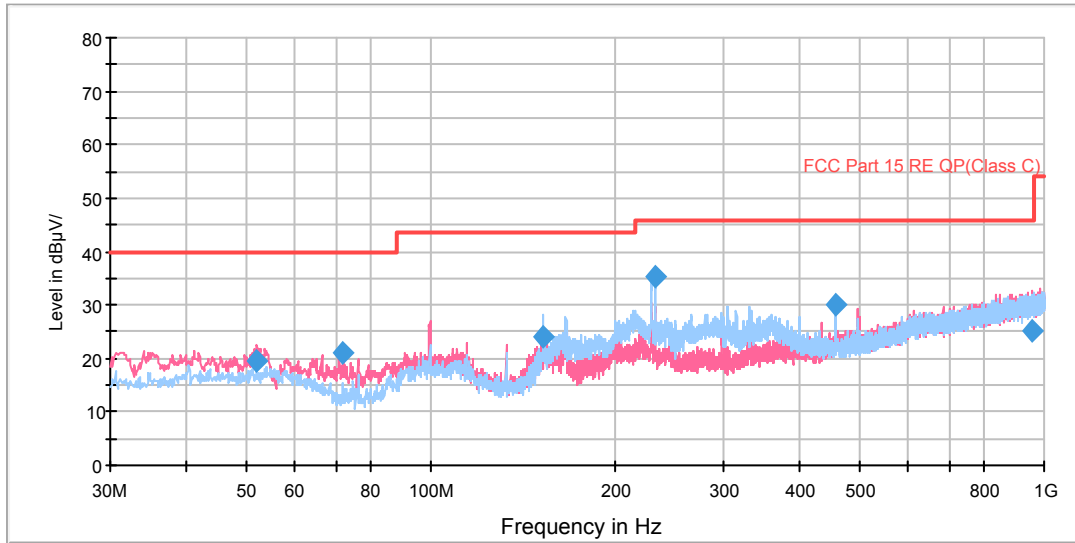
Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18102.000000	36.8	V	244.0	39.0	-2.2	17.2	54
20156.875000	36.5	V	221.0	42.3	-5.8	17.5	54
21839.875000	36.7	H	75.0	44.7	-8.0	17.3	54
23196.687500	37.0	V	309.0	43.0	-6.0	17.0	54
23676.937500	37.2	V	0.0	43.1	-5.9	16.8	54
26280.062500	37.5	H	140.0	42.9	-5.4	16.5	54

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



802.11g CH11

FCC RE 0.03-1GHz QP Class C

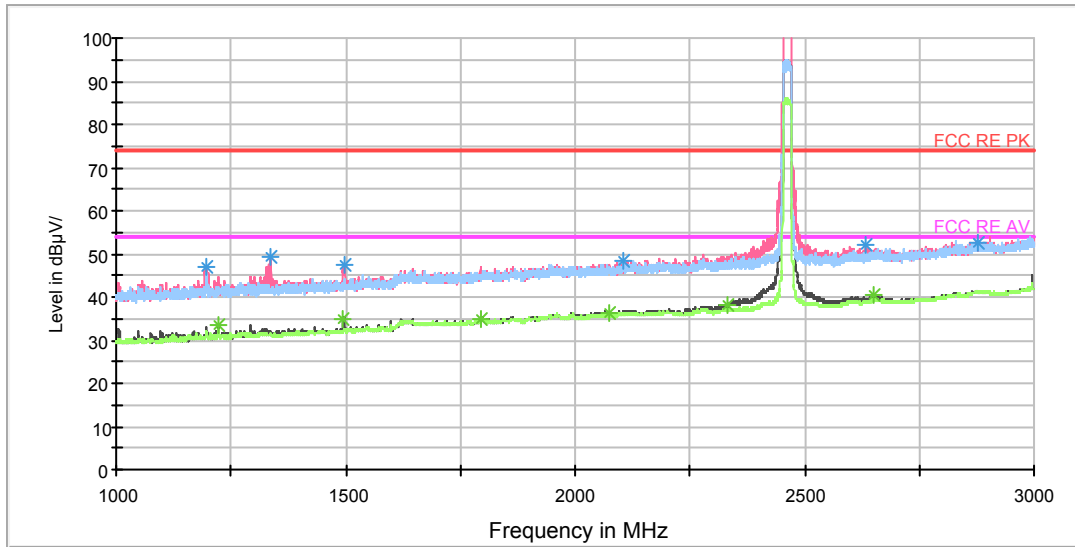


Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
52.067500	19.6	100.0	V	158.0	32.5	12.9	20.4	40.0
71.992500	21.0	100.0	V	150.0	29.6	8.6	19.0	40.0
152.785000	24.2	125.0	H	61.0	33.5	9.3	19.3	43.5
232.366250	35.5	125.0	H	92.0	48.9	13.4	10.5	46.0
456.638750	30.0	114.0	V	194.0	49.0	19.0	16.0	46.0
953.032500	25.3	125.0	V	176.0	51.3	26.0	20.7	46.0

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

RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1197.750000	47.1	102.0	V	137.0	55.3	-8.2	26.9	74
1336.500000	49.1	102.0	V	25.0	56.5	-7.4	24.9	74
1496.500000	47.4	102.0	V	0.0	54.1	-6.7	26.6	74
2106.500000	48.3	102.0	V	353.0	50.8	-2.5	25.7	74
2631.500000	51.9	102.0	V	100.0	51.9	0.0	22.1	74
2878.000000	52.6	102.0	H	44.0	54.9	2.3	21.4	74

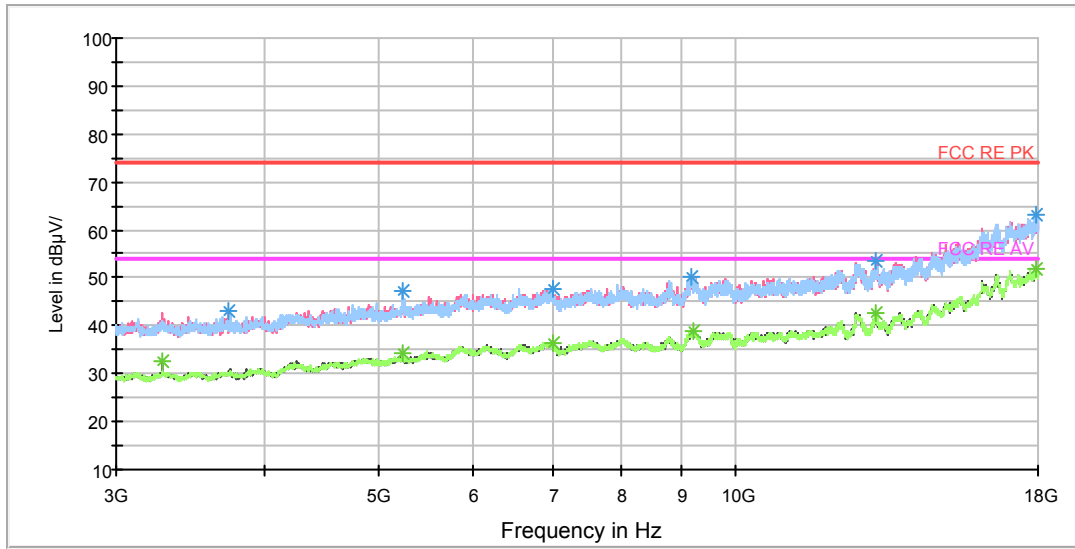
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1222.500000	33.6	102.0	V	137.0	41.4	-7.8	20.4	54
1494.750000	35.1	102.0	V	0.0	41.8	-6.7	18.9	54
1796.500000	34.8	102.0	V	100.0	39.0	-4.2	19.2	54
2075.000000	36.2	102.0	V	0.0	39.3	-3.1	17.8	54
2332.750000	38.3	102.0	V	124.0	39.7	-1.4	15.7	54
2649.250000	40.3	102.0	V	148.0	40.7	0.4	13.7	54

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



RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

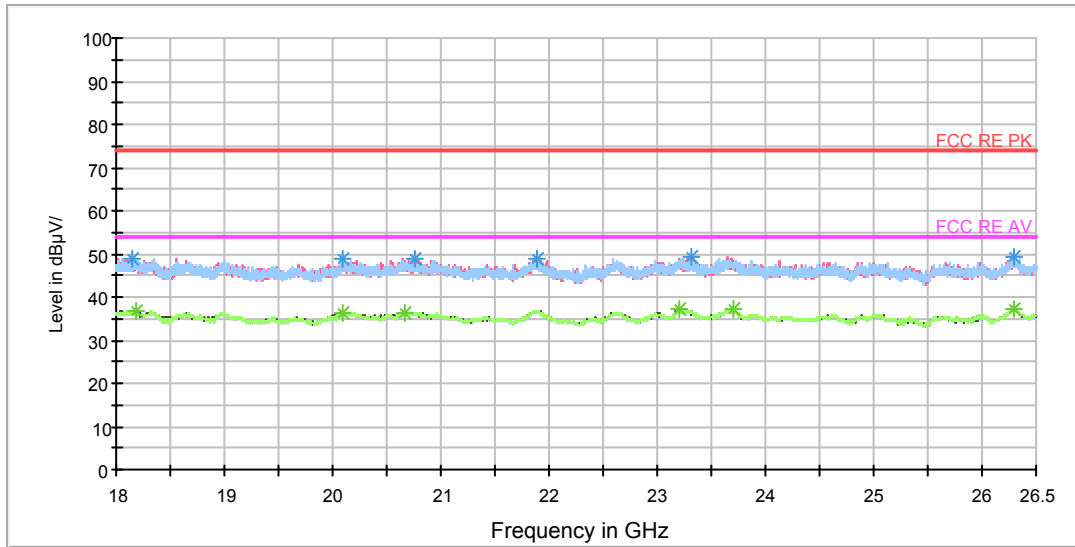
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3736.875000	43.0	102.0	V	0.0	44.7	-1.7	31.0	74
5244.375000	47.2	102.0	H	0.0	49.3	2.1	26.8	74
7010.625000	47.7	102.0	H	0.0	54.2	6.5	26.3	74
9157.500000	50.1	102.0	H	0.0	60.4	10.3	23.9	74
13130.625000	53.4	102.0	H	52.0	67.5	14.1	20.6	74
17911.875000	63.1	102.0	V	138.0	88.6	25.5	10.9	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3283.125000	32.7	102.0	V	166.0	34.8	-2.1	21.3	54
5242.500000	34.1	102.0	V	0.0	36.2	2.1	19.9	54
6999.375000	36.6	102.0	H	12.0	43.1	6.5	17.4	54
9223.125000	39.0	102.0	H	199.0	48.9	9.9	15.0	54
13153.125000	42.6	102.0	H	91.0	56.8	14.2	11.4	54
17911.875000	51.7	102.0	H	91.0	77.2	25.5	2.3	54

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

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18142.375000	48.9	V	288.0	51.3	-2.4	25.1	74
20094.187500	48.9	V	331.0	54.7	-5.8	25.1	74
20765.687500	48.7	H	248.0	55.5	-6.8	25.3	74
21894.062500	49.0	V	354.0	57.0	-8.0	25.0	74
23307.187500	49.4	V	354.0	55.4	-6.0	24.6	74
26289.625000	49.5	H	92.0	54.9	-5.4	24.5	74

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

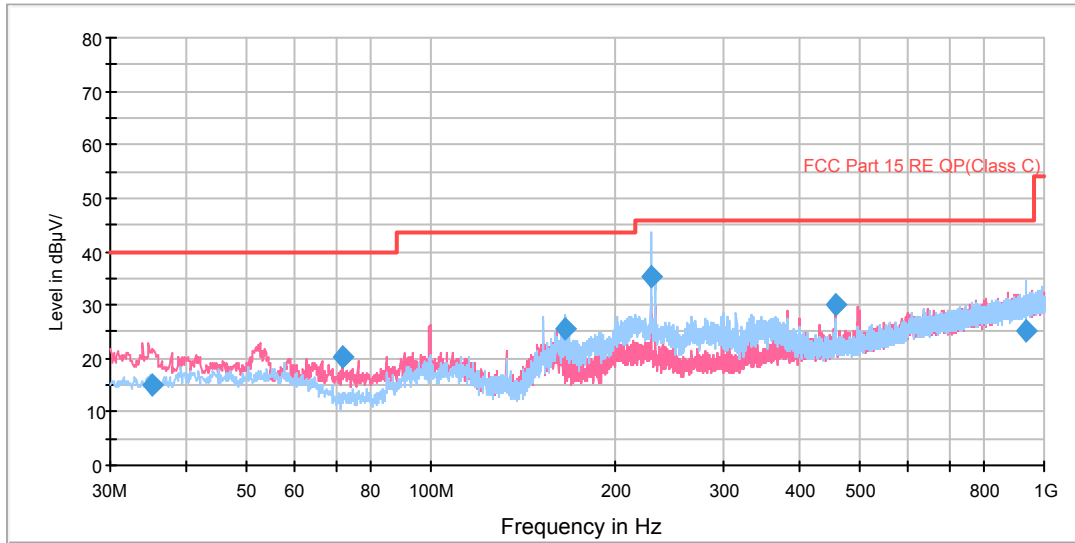
Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18184.875000	36.9	H	181.0	39.5	-2.6	17.1	54
20098.437500	36.5	H	115.0	42.3	-5.8	17.5	54
20663.687500	36.5	V	309.0	43.1	-6.6	17.5	54
23204.125000	37.1	V	0.0	43.1	-6.0	16.9	54
23698.187500	37.1	V	0.0	43.0	-5.9	16.9	54
26302.375000	37.3	H	137.0	42.7	-5.4	16.7	54

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



802.11n (HT20) CH1

FCC RE 0.03-1GHz QP Class C

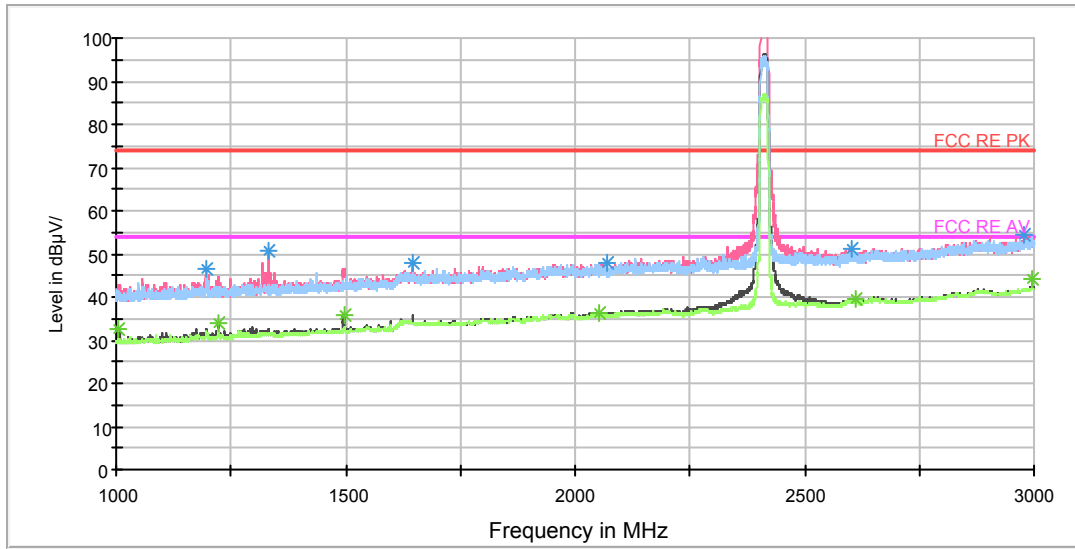


Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
35.208750	15.1	100.0	V	330.0	27.0	11.9	24.9	40.0
71.992500	20.3	100.0	V	172.0	28.9	8.6	19.7	40.0
166.123750	25.7	125.0	H	0.0	35.7	10.0	17.8	43.5
229.173750	35.2	125.0	H	91.0	48.4	13.2	10.8	46.0
456.637500	30.2	114.0	V	183.0	49.2	19.0	15.8	46.0
935.338750	25.2	115.0	H	46.0	51.1	25.9	20.8	46.0

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

RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz

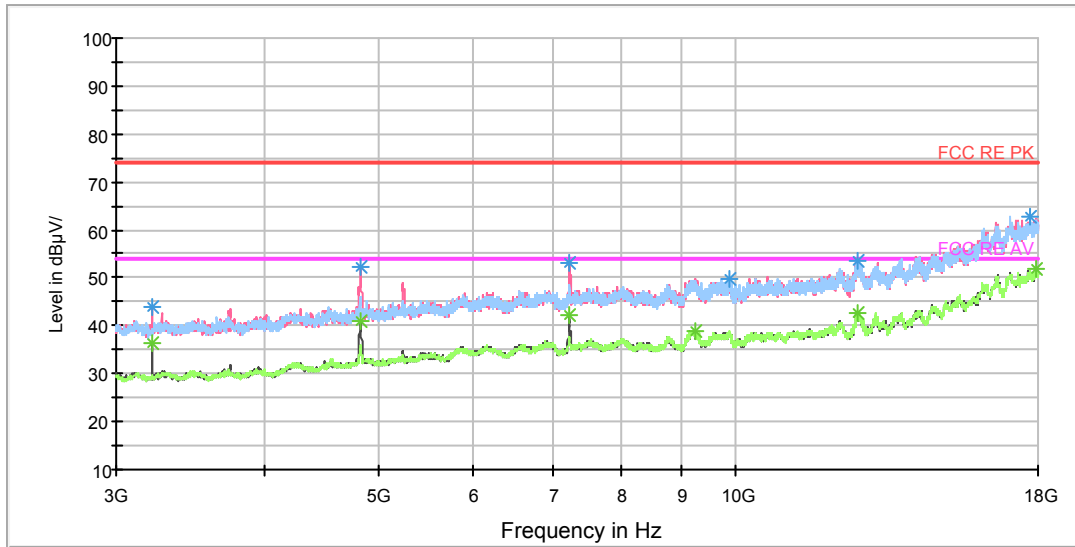
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1195.750000	46.6	102.0	V	284.0	54.8	-8.2	27.4	74
1331.250000	50.7	102.0	V	238.0	58.1	-7.4	23.3	74
1646.750000	47.9	102.0	V	135.0	52.9	-5.0	26.1	74
2067.750000	48.0	102.0	H	19.0	51.1	-3.1	26.0	74
2978.000000	54.2	102.0	H	0.0	56.4	2.2	19.8	74
2601.250000	51.1	102.0	V	86.0	51.5	0.4	22.9	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1004.500000	32.6	102.0	V	135.0	41.9	-9.3	21.4	54
1222.750000	34.0	102.0	V	39.0	41.8	-7.8	20.0	54
1497.500000	35.8	102.0	V	0.0	42.5	-6.7	18.2	54
2053.000000	36.3	102.0	V	135.0	39.5	-3.2	17.7	54
2994.750000	44.4	102.0	V	39.0	46.7	2.3	9.6	54
2609.250000	39.4	102.0	V	261.0	39.6	0.2	14.6	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

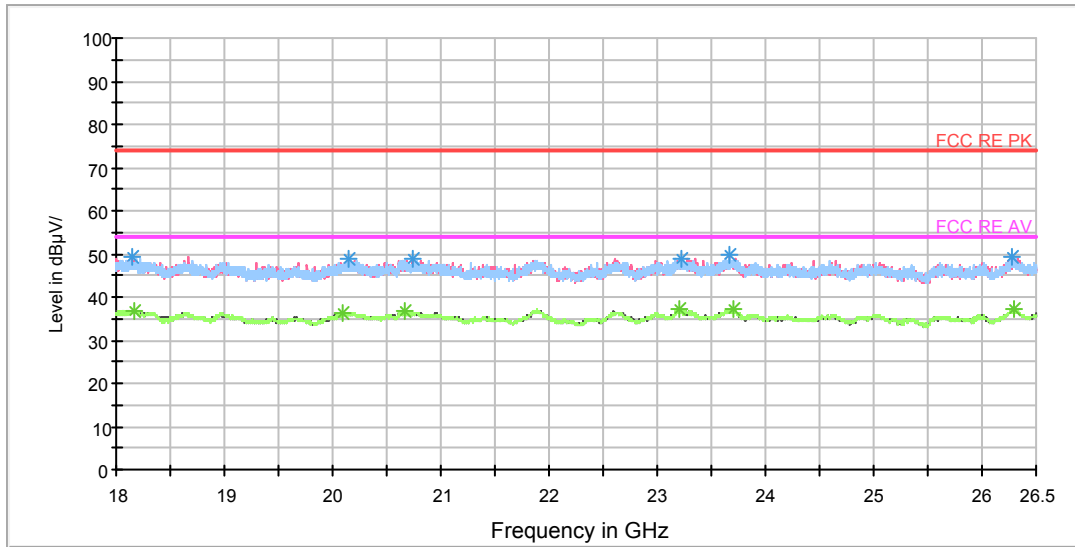
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3215.625000	43.7	102.0	V	150.0	46.5	-2.8	30.3	74
4824.375000	52.2	102.0	V	111.0	53.6	1.4	21.8	74
7239.375000	53.2	102.0	V	206.0	60.1	6.9	20.8	74
9894.375000	49.9	102.0	H	304.0	60.2	10.3	24.1	74
12661.875000	53.3	102.0	H	304.0	67.1	13.8	20.7	74
17707.500000	62.6	102.0	H	154.0	87.3	24.7	11.4	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3215.625000	36.2	102.0	V	150.0	39.0	-2.8	17.8	54
4824.375000	40.9	102.0	V	111.0	42.3	1.4	13.1	54
7239.375000	42.2	102.0	V	206.0	49.1	6.9	11.8	54
9245.625000	39.0	102.0	H	87.0	48.8	9.8	15.0	54
12675.000000	42.5	102.0	H	46.0	56.6	14.1	11.5	54
17919.375000	52.0	102.0	V	334.0	77.8	25.8	2.0	54

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

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18142.375000	49.4	V	0.0	51.8	-2.4	24.6	74
20156.875000	48.7	H	250.0	54.5	-5.8	25.3	74
20734.875000	48.7	V	0.0	55.5	-6.8	25.3	74
23217.937500	49.0	V	288.0	55.0	-6.0	25.0	74
23661.000000	49.8	V	223.0	55.7	-5.9	24.2	74
26269.437500	49.3	V	0.0	54.7	-5.4	24.7	74

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

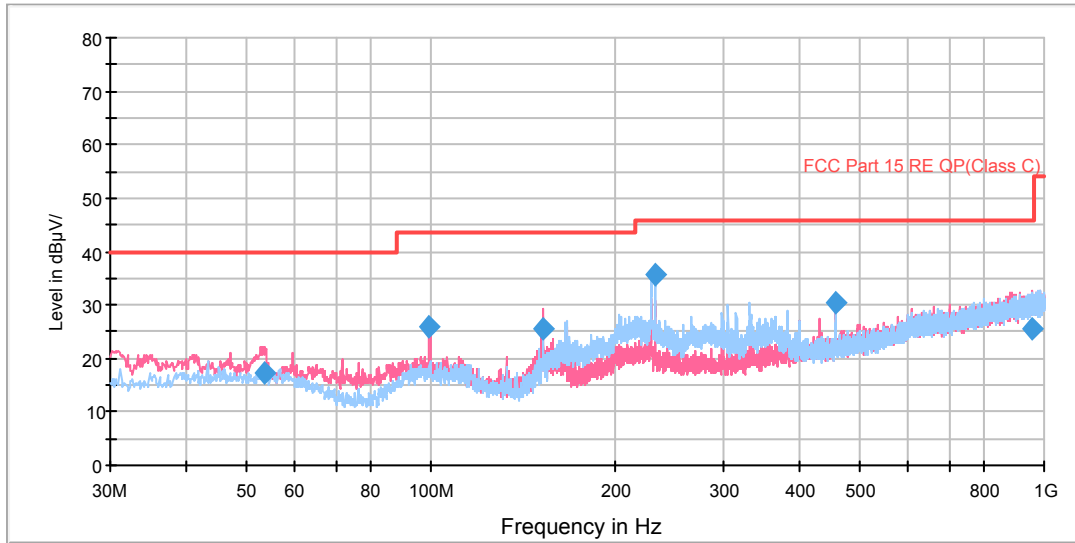
Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18168.937500	36.9	V	331.0	39.4	-2.5	17.1	54
20099.500000	36.4	H	295.0	42.2	-5.8	17.6	54
20667.937500	36.6	V	331.0	43.2	-6.6	17.4	54
23197.750000	37.0	V	354.0	43.0	-6.0	17.0	54
23700.312500	37.0	V	0.0	42.9	-5.9	17.0	54
26296.000000	37.3	V	354.0	42.7	-5.4	16.7	54

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



802.11n (HT20) CH6

FCC RE 0.03-1GHz QP Class C

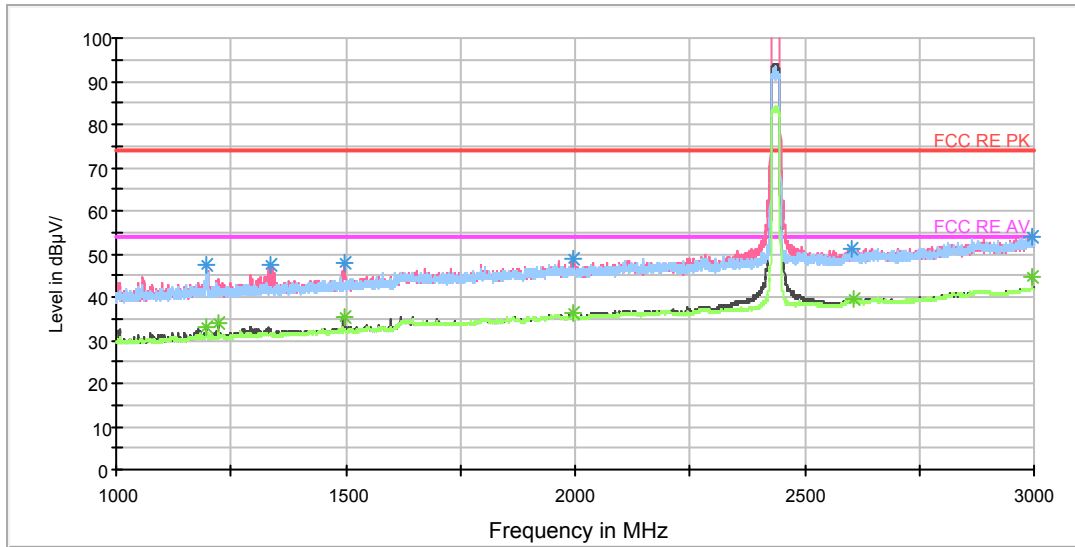


Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
53.566250	17.3	100.0	V	144.0	30.1	12.8	22.7	40.0
99.598750	26.0	100.0	V	137.0	39.2	13.2	17.5	43.5
152.745000	25.4	100.0	V	234.0	34.7	9.3	18.1	43.5
232.766250	35.6	125.0	H	336.0	49.0	13.4	10.4	46.0
458.376250	30.5	114.0	V	181.0	49.5	19.0	15.5	46.0
959.338750	25.4	125.0	V	140.0	51.5	26.1	20.6	46.0

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

RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1197.250000	47.6	102.0	V	182.0	55.8	-8.2	26.4	74
1337.000000	47.6	102.0	V	0.0	55.0	-7.4	26.4	74
1496.250000	47.7	102.0	V	0.0	54.4	-6.7	26.3	74
1997.750000	48.7	102.0	V	194.0	52.0	-3.3	25.3	74
2997.250000	53.9	102.0	V	354.0	56.2	2.3	20.1	74
2601.500000	51.1	102.0	H	155.0	51.5	0.4	22.9	74

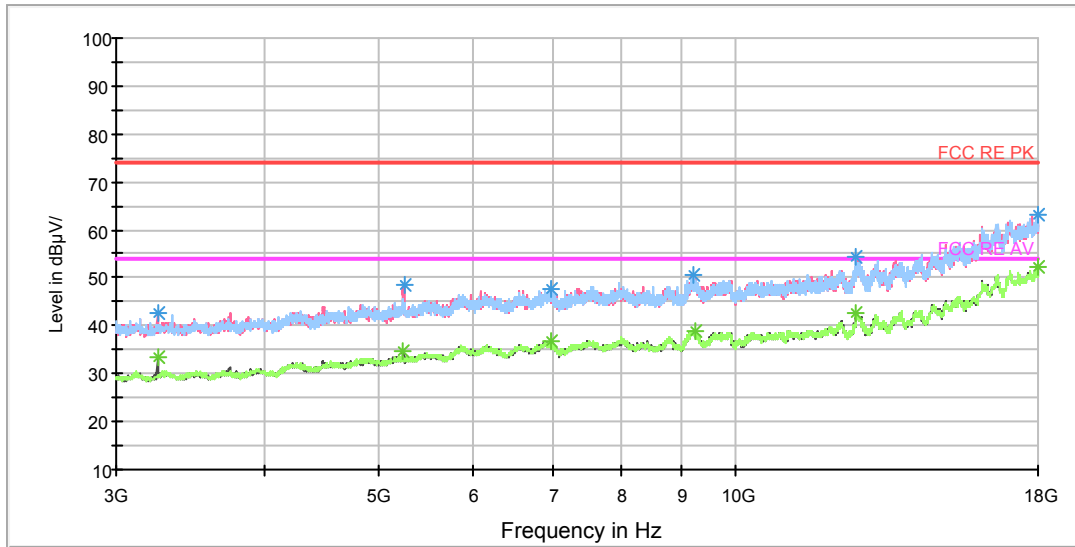
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1197.500000	32.8	102.0	V	39.0	41.0	-8.2	21.2	54
1223.000000	33.8	102.0	V	0.0	41.6	-7.8	20.2	54
1497.750000	35.6	102.0	V	0.0	42.3	-6.7	18.4	54
1995.250000	36.2	102.0	V	354.0	39.4	-3.2	17.8	54
2995.000000	44.6	102.0	V	11.0	46.9	2.3	9.4	54
2608.000000	39.4	102.0	V	170.0	39.6	0.2	14.6	54

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



RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

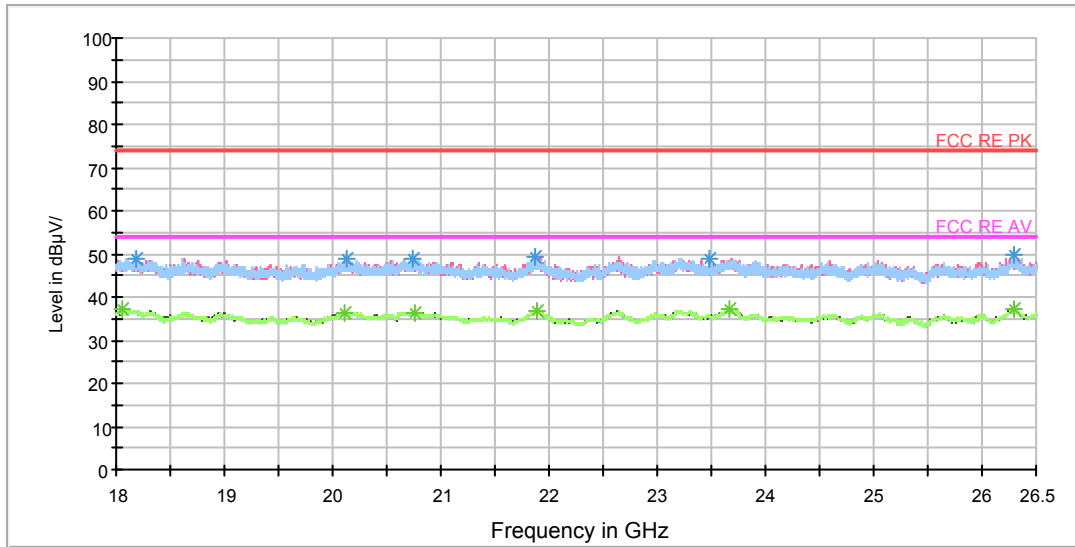
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3249.375000	42.7	102.0	V	246.0	45.2	-2.5	31.3	74
5248.125000	48.4	102.0	V	0.0	50.5	2.1	25.6	74
6980.625000	47.5	102.0	V	0.0	53.9	6.4	26.5	74
9228.750000	50.6	102.0	H	24.0	60.5	9.9	23.4	74
12645.000000	54.6	102.0	H	142.0	69.0	14.4	19.4	74
17998.125000	63.1	102.0	V	338.0	88.5	25.4	10.9	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3249.375000	33.4	102.0	V	246.0	35.9	-2.5	20.6	54
5246.250000	34.6	102.0	V	0.0	36.7	2.1	19.4	54
6993.750000	36.7	102.0	H	50.0	43.2	6.5	17.3	54
9230.625000	39.1	102.0	V	325.0	49.0	9.9	14.9	54
12643.125000	42.7	102.0	V	0.0	57.1	14.4	11.3	54
17996.250000	52.1	102.0	V	0.0	77.5	25.4	1.9	54

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

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18181.687500	49.1	V	310.0	51.7	-2.6	24.9	74
20123.937500	48.8	H	295.0	54.6	-5.8	25.2	74
20742.312500	48.9	H	73.0	55.7	-6.8	25.1	74
21869.625000	49.5	V	156.0	57.5	-8.0	24.5	74
23476.125000	49.0	V	354.0	54.9	-5.9	25.0	74
26299.187500	49.7	V	332.0	55.1	-5.4	24.3	74

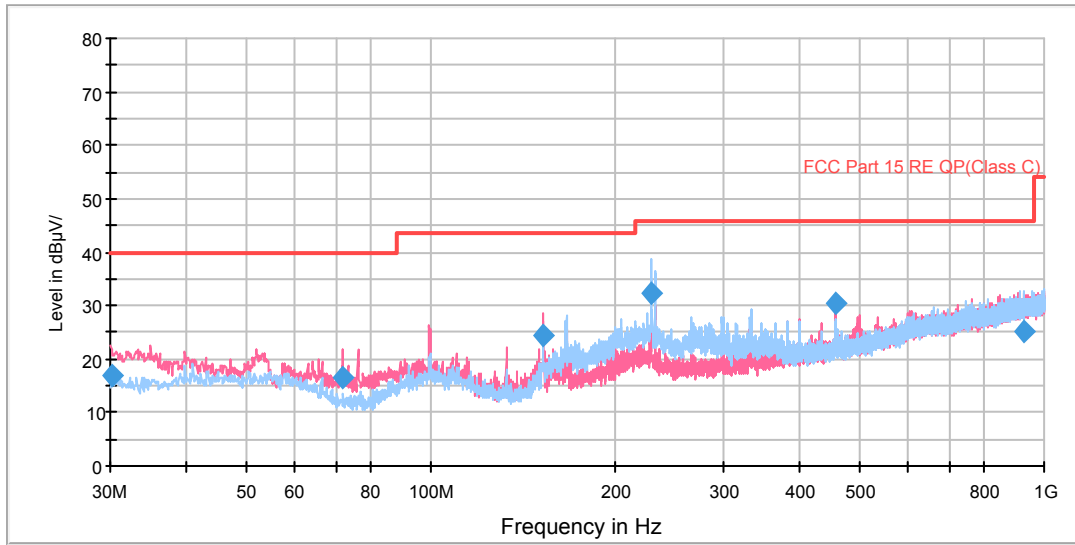
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18063.750000	37.0	V	89.0	39.1	-2.1	17.0	54
20102.687500	36.4	H	95.0	42.2	-5.8	17.6	54
20755.062500	36.5	V	310.0	43.3	-6.8	17.5	54
21889.812500	36.9	V	0.0	44.9	-8.0	17.1	54
23673.750000	37.0	V	200.0	42.9	-5.9	17.0	54
26288.562500	37.2	H	0.0	42.6	-5.4	16.8	54

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

802.11n (HT20) CH11

FCC RE 0.03-1GHz QP Class C

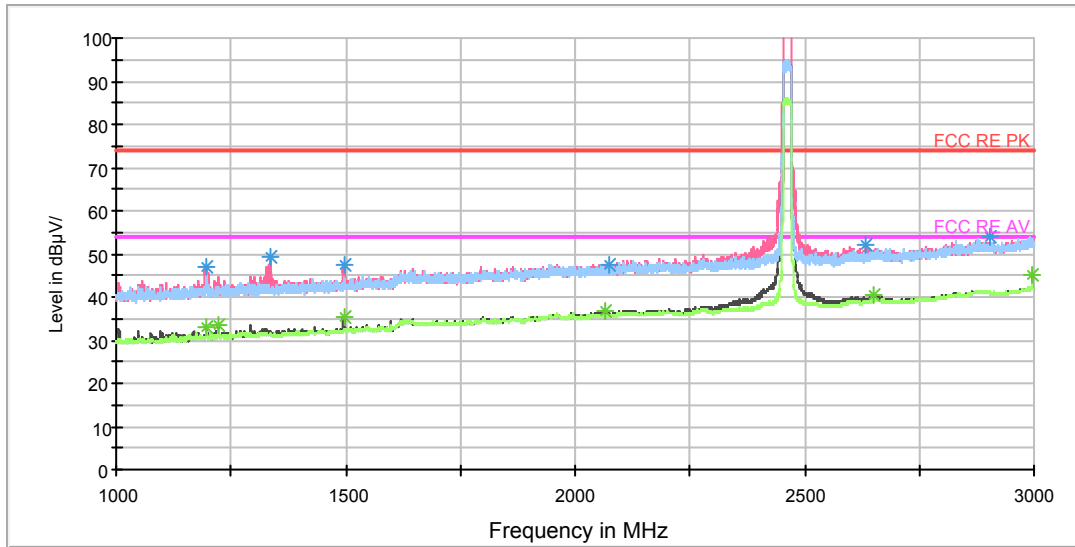


Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
30.120000	17.0	100.0	V	0.0	28.9	11.9	23.0	40.0
71.992500	16.5	100.0	V	198.0	25.1	8.6	23.5	40.0
152.223750	24.3	100.0	V	252.0	33.6	9.3	19.2	43.5
228.325000	32.3	125.0	H	344.0	45.5	13.2	13.7	46.0
456.638750	30.3	114.0	V	185.0	49.3	19.0	15.7	46.0
929.066250	25.0	125.0	H	26.0	50.9	25.9	21.0	46.0

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

RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz

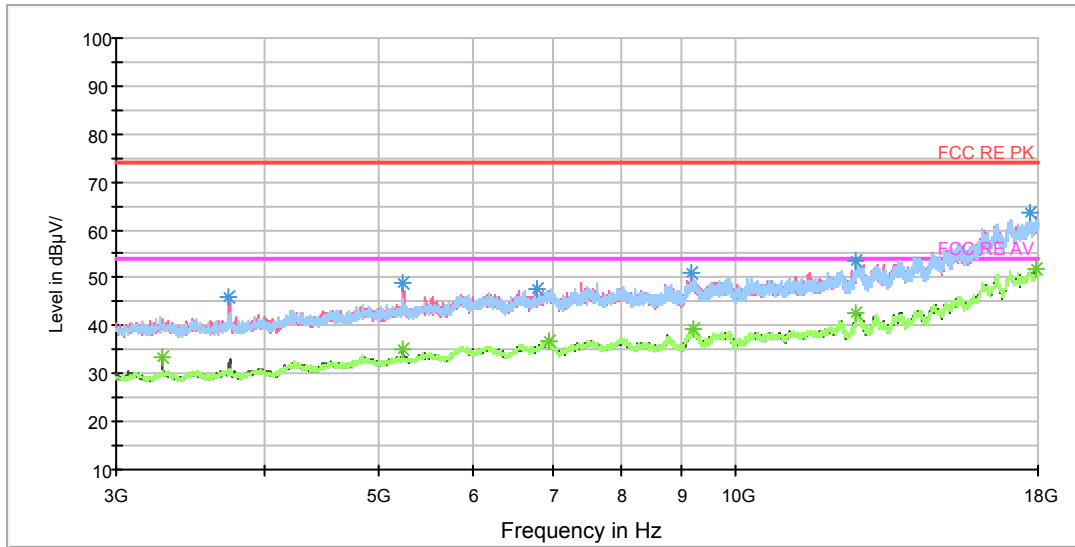
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1197.750000	47.1	102.0	V	137.0	55.3	-8.2	26.9	74
1336.500000	49.1	102.0	V	25.0	56.5	-7.4	24.9	74
1496.500000	47.4	102.0	V	0.0	54.1	-6.7	26.6	74
2072.250000	47.6	102.0	V	25.0	50.7	-3.1	26.4	74
2902.500000	54.0	102.0	V	308.0	56.0	2.0	20.0	74
2631.500000	51.9	102.0	V	100.0	51.9	0.0	22.1	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1196.000000	33.1	102.0	V	285.0	41.3	-8.2	20.9	54
1222.500000	33.6	102.0	V	137.0	41.4	-7.8	20.4	54
1497.250000	35.4	102.0	V	0.0	42.1	-6.7	18.6	54
2064.500000	36.6	102.0	V	100.0	39.7	-3.1	17.4	54
2994.750000	45.1	102.0	V	353.0	47.4	2.3	8.9	54
2649.250000	40.3	102.0	V	148.0	40.7	0.4	13.7	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

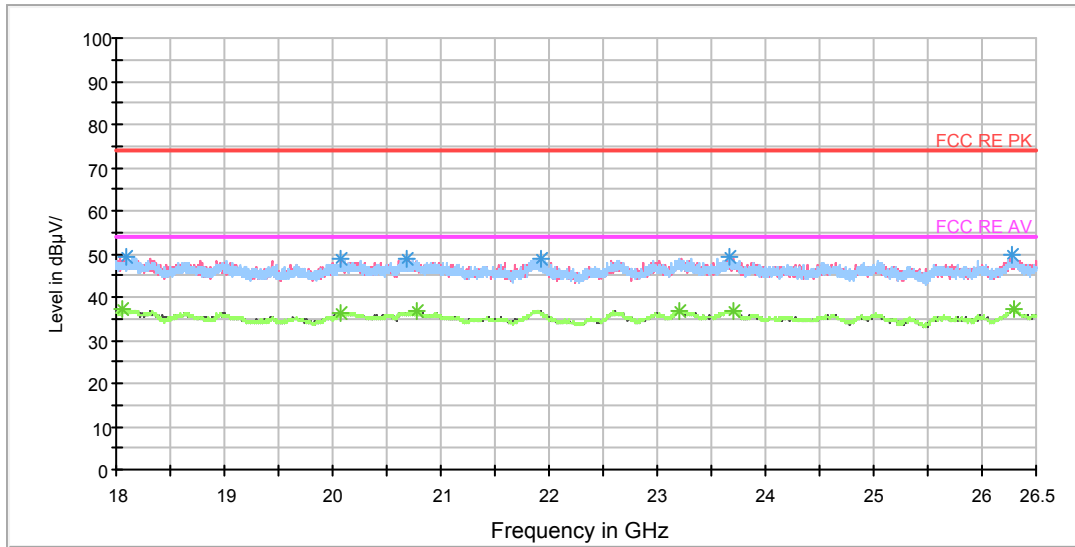
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3735.000000	46.1	102.0	V	0.0	47.8	-1.7	27.9	74
5242.500000	48.7	102.0	V	53.0	50.8	2.1	25.3	74
6789.375000	47.6	102.0	V	297.0	53.3	5.7	26.4	74
9185.625000	50.8	102.0	V	230.0	60.8	10.0	23.2	74
12641.250000	53.4	102.0	H	0.0	67.9	14.5	20.6	74
17694.375000	63.5	102.0	H	35.0	88.1	24.6	10.5	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3283.125000	33.4	102.0	V	110.0	35.5	-2.1	20.6	54
5242.500000	35.2	102.0	V	53.0	37.3	2.1	18.8	54
6952.500000	36.8	102.0	V	150.0	43.0	6.2	17.2	54
9200.625000	39.2	102.0	H	0.0	49.5	10.3	14.8	54
12648.750000	42.6	102.0	H	250.0	56.8	14.2	11.4	54
17925.000000	51.7	102.0	V	0.0	77.3	25.6	2.3	54

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

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18092.437500	49.4	H	9.0	51.6	-2.2	24.6	74
20082.500000	48.8	V	89.0	54.5	-5.7	25.2	74
20690.250000	48.8	V	0.0	55.5	-6.7	25.2	74
21932.312500	48.9	H	9.0	56.9	-8.0	25.1	74
23668.437500	49.3	H	30.0	55.2	-5.9	24.7	74
26285.375000	49.7	H	30.0	55.1	-5.4	24.3	74

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

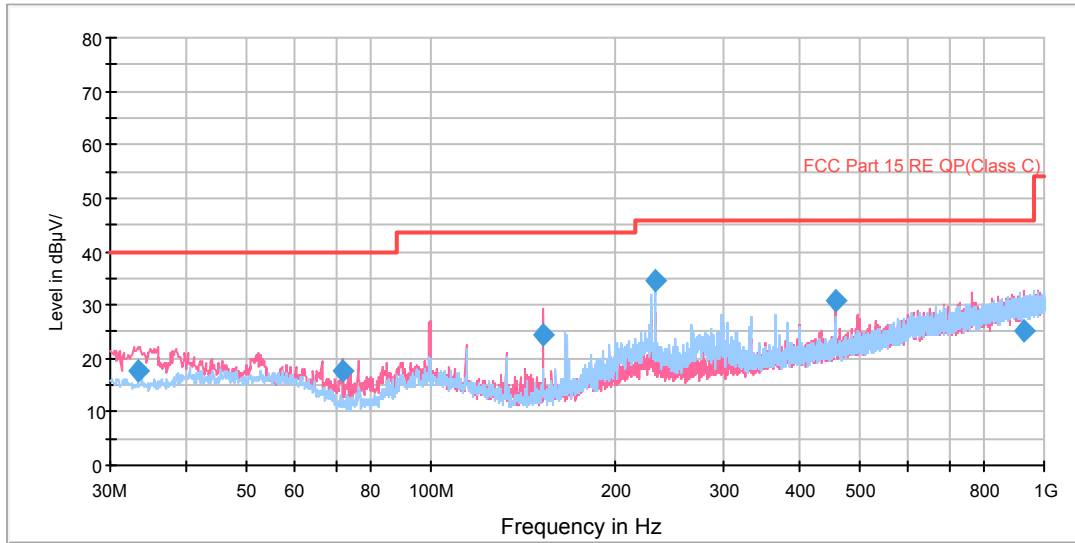
Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18064.812500	37.3	V	200.0	39.4	-2.1	16.7	54
20076.125000	36.4	V	200.0	42.1	-5.7	17.6	54
20777.375000	36.6	V	0.0	43.5	-6.9	17.4	54
23210.500000	36.9	H	117.0	42.9	-6.0	17.1	54
23705.625000	36.9	V	0.0	42.8	-5.9	17.1	54
26301.312500	37.1	V	0.0	42.5	-5.4	16.9	54

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



802.11n (HT40) CH3

FCC RE 0.03-1GHz QP Class C

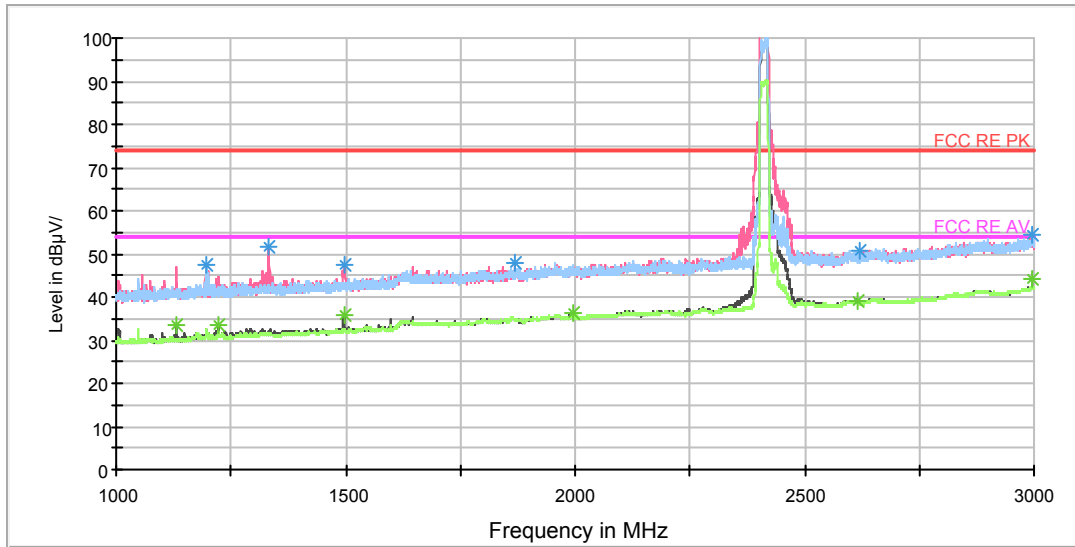


Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
33.233750	17.7	100.0	V	11.0	29.6	11.9	22.3	40.0
71.992500	17.8	100.0	V	165.0	26.4	8.6	22.2	40.0
152.226250	24.3	100.0	V	264.0	33.6	9.3	19.2	43.5
232.766250	34.7	125.0	H	332.0	48.1	13.4	11.3	46.0
458.376250	30.8	114.0	V	183.0	49.8	19.0	15.2	46.0
928.260000	25.1	114.0	V	347.0	51.0	25.9	20.9	46.0

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

RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1198.250000	47.2	102.0	V	135.0	55.4	-8.2	26.8	74
1332.000000	51.6	102.0	V	216.0	59.0	-7.4	22.4	74
1498.000000	47.3	102.0	V	0.0	54.0	-6.7	26.7	74
1867.500000	48.0	102.0	V	320.0	51.7	-3.7	26.0	74
2620.750000	50.9	102.0	H	21.0	51.0	-0.1	23.1	74
2994.500000	54.4	102.0	V	112.0	56.7	2.3	19.6	74

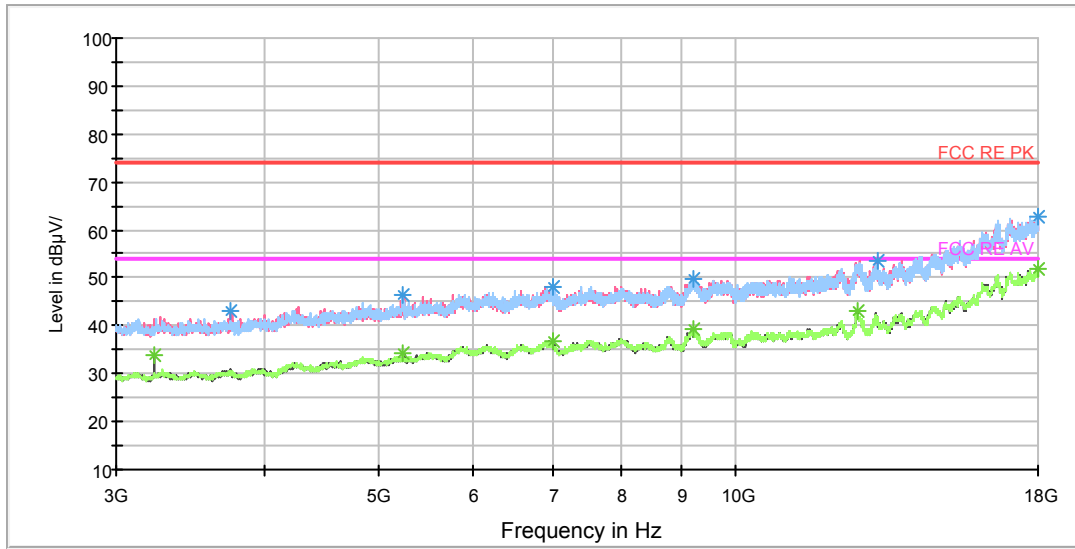
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1132.500000	33.6	102.0	V	204.0	42.0	-8.4	20.4	54
1222.750000	33.5	102.0	V	0.0	41.3	-7.8	20.5	54
1497.000000	35.9	102.0	V	0.0	42.6	-6.7	18.1	54
1996.250000	36.2	102.0	V	264.0	39.5	-3.3	17.8	54
2614.500000	39.3	102.0	V	0.0	39.4	0.1	14.7	54
2994.750000	44.3	102.0	V	0.0	46.6	2.3	9.7	54

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



RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

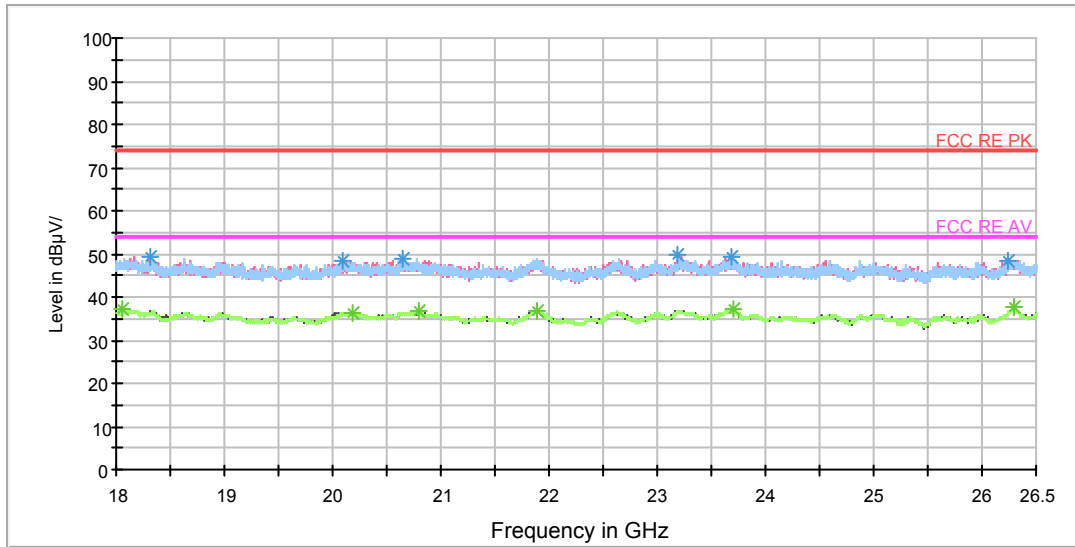
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3742.500000	43.2	102.0	V	8.0	44.9	-1.7	30.8	74
5236.875000	46.6	102.0	H	335.0	48.7	2.1	27.4	74
7003.125000	48.1	102.0	V	81.0	54.6	6.5	25.9	74
9225.000000	50.0	102.0	V	204.0	59.9	9.9	24.0	74
13158.750000	53.5	102.0	V	310.0	67.6	14.1	20.5	74
17988.750000	62.7	102.0	V	0.0	87.9	25.2	11.3	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3228.750000	34.0	102.0	V	297.0	36.7	-2.7	20.0	54
5244.375000	34.1	102.0	V	0.0	36.2	2.1	19.9	54
7010.625000	36.7	102.0	V	40.0	43.2	6.5	17.3	54
9226.875000	39.2	102.0	V	284.0	49.1	9.9	14.8	54
12676.875000	42.9	102.0	V	271.0	57.1	14.2	11.1	54
17994.375000	51.7	102.0	H	0.0	77.0	25.3	2.3	54

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

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18307.062500	49.3	H	161.0	52.4	-3.1	24.7	74
20092.062500	48.5	V	0.0	54.3	-5.8	25.5	74
20657.312500	48.7	V	157.0	55.3	-6.6	25.3	74
23193.500000	49.6	H	0.0	55.6	-6.0	24.4	74
23691.812500	49.1	H	8.0	55.0	-5.9	24.9	74
26238.625000	48.6	H	139.0	54.0	-5.4	25.4	74

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

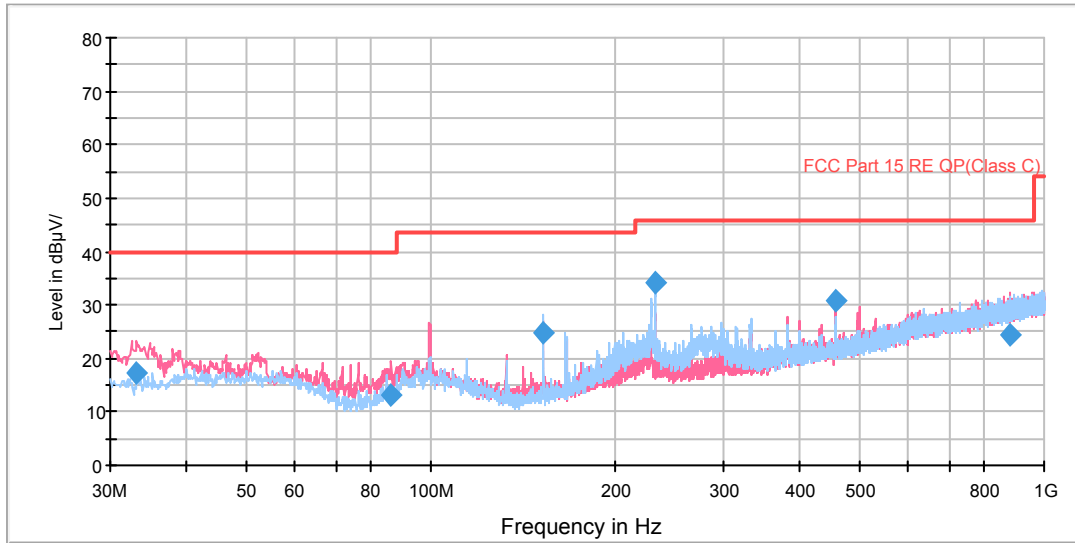
Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18057.375000	37.0	V	18.0	39.0	-2.0	17.0	54
20193.000000	36.4	V	0.0	42.3	-5.9	17.6	54
20788.000000	36.6	V	0.0	43.5	-6.9	17.4	54
21886.625000	37.0	H	94.0	45.0	-8.0	17.0	54
23701.375000	37.0	V	0.0	42.9	-5.9	17.0	54
26301.312500	37.4	H	139.0	42.8	-5.4	16.6	54

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



802.11n (HT40) CH6

FCC RE 0.03-1GHz QP Class C

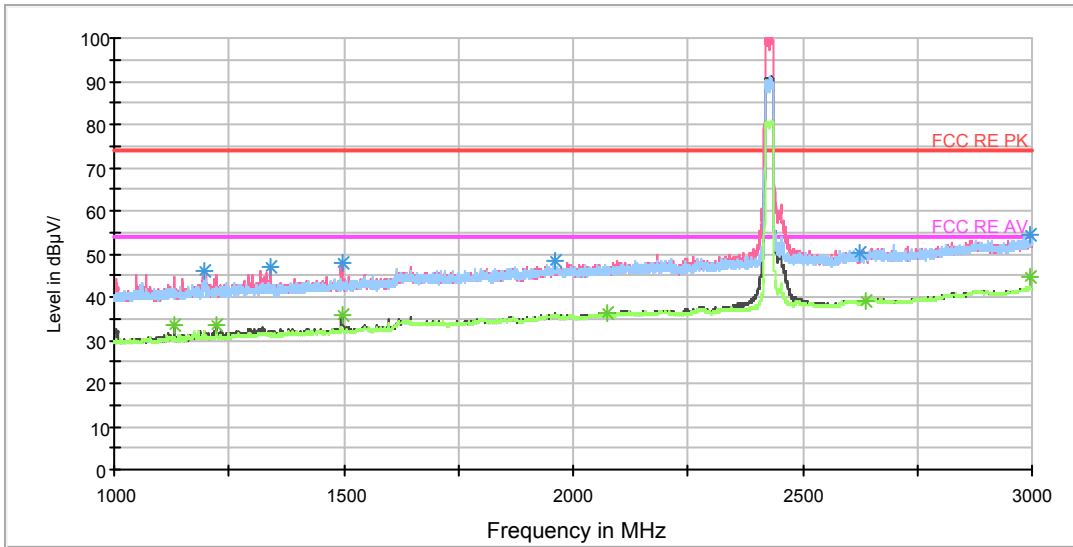


Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
33.026250	17.1	100.0	V	65.0	29.0	11.9	22.9	40.0
86.140000	13.3	125.0	V	316.0	23.9	10.6	26.7	40.0
152.745000	24.7	125.0	H	240.0	34.0	9.3	18.8	43.5
232.366250	34.0	125.0	H	342.0	47.4	13.4	12.0	46.0
458.416250	30.7	114.0	V	182.0	49.7	19.0	15.3	46.0
877.622500	24.6	114.0	V	0.0	49.9	25.3	21.4	46.0

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

RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz

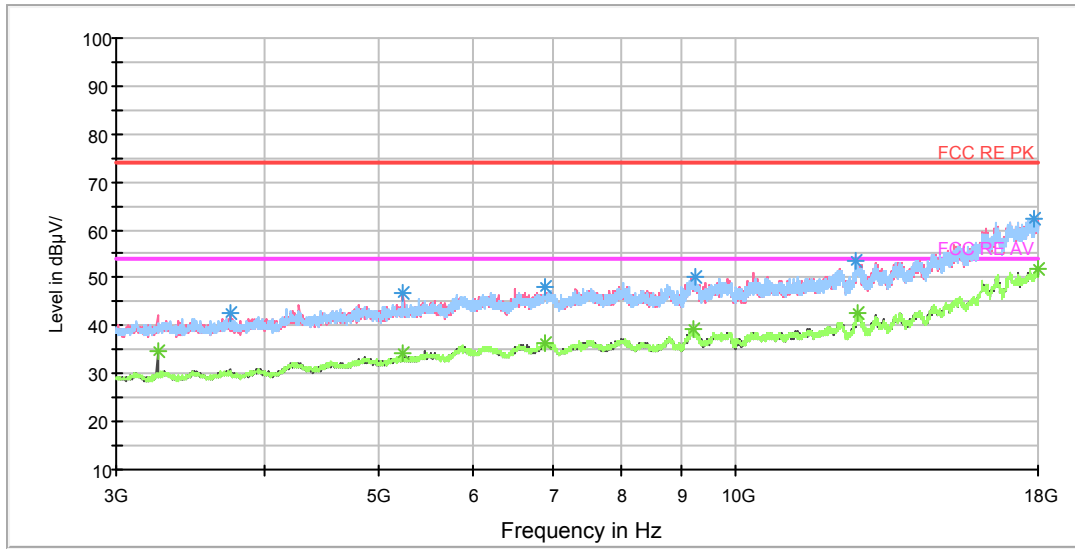
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1194.500000	46.2	102.0	V	135.0	54.4	-8.2	27.8	74
1341.500000	47.0	102.0	V	0.0	54.4	-7.4	27.0	74
1497.000000	47.9	102.0	V	0.0	54.6	-6.7	26.1	74
1959.750000	48.2	102.0	H	98.0	51.4	-3.2	25.8	74
2996.750000	54.4	102.0	V	158.0	56.7	2.3	19.6	74
2624.000000	50.3	102.0	V	87.0	50.5	-0.2	23.7	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1130.750000	33.3	102.0	V	99.0	41.7	-8.4	20.7	54
1222.500000	33.6	102.0	V	25.0	41.4	-7.8	20.4	54
1496.500000	35.7	102.0	V	0.0	42.4	-6.7	18.3	54
2073.750000	36.2	102.0	V	39.0	39.3	-3.1	17.8	54
2994.750000	44.6	102.0	V	0.0	46.9	2.3	9.4	54
2636.500000	39.2	102.0	H	0.0	39.3	0.1	14.8	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

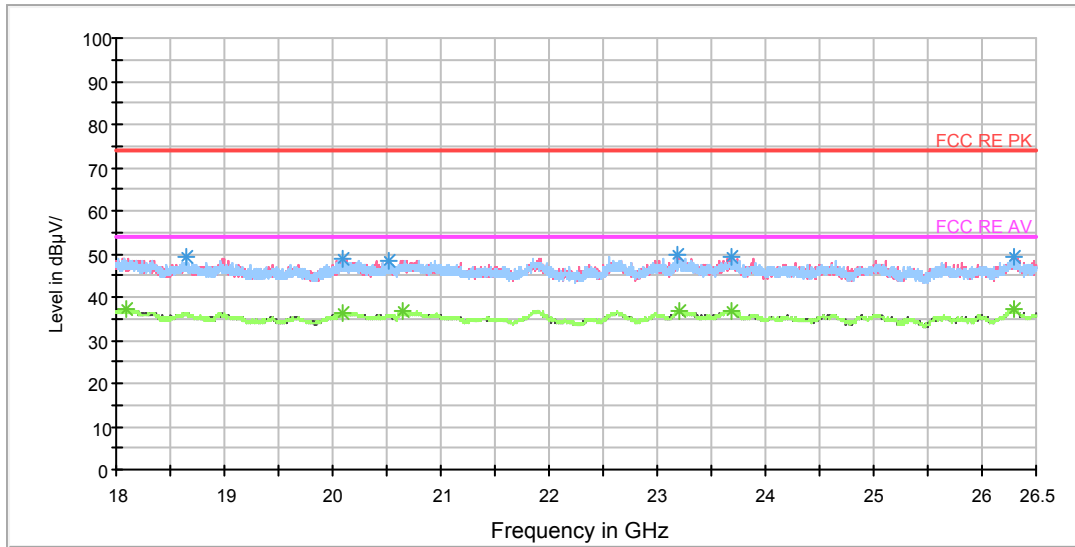
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3742.500000	42.5	102.0	V	353.0	44.2	-1.7	31.5	74
5238.750000	46.9	102.0	V	58.0	49.0	2.1	27.1	74
6911.250000	48.0	102.0	H	48.0	54.2	6.2	26.0	74
9232.500000	50.2	102.0	V	341.0	60.1	9.9	23.8	74
12641.250000	53.6	102.0	V	289.0	68.1	14.5	20.4	74
17893.125000	62.3	102.0	H	101.0	87.3	25.0	11.7	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3249.375000	34.8	102.0	V	341.0	37.3	-2.5	19.2	54
5240.625000	34.5	102.0	V	0.0	36.6	2.1	19.5	54
6913.125000	36.5	102.0	V	115.0	42.7	6.2	17.5	54
9200.625000	39.1	102.0	V	0.0	49.4	10.3	14.9	54
12675.000000	42.6	102.0	H	101.0	56.7	14.1	11.4	54
17996.250000	51.8	102.0	H	0.0	77.2	25.4	2.2	54

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

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18656.625000	49.1	H	0.0	53.4	-4.3	24.9	74
20093.125000	49.0	H	226.0	54.8	-5.8	25.0	74
20525.562500	48.5	V	0.0	54.8	-6.3	25.5	74
23188.187500	49.8	V	0.0	55.8	-6.0	24.2	74
23692.875000	49.4	V	292.0	55.3	-5.9	24.6	74
26291.750000	49.1	H	93.0	54.5	-5.4	24.9	74

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

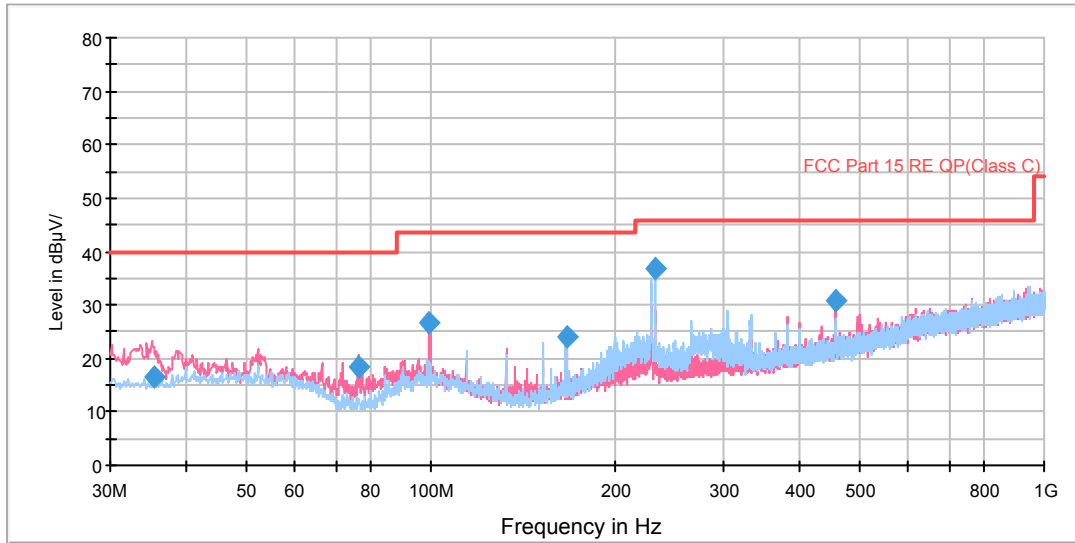
Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18095.625000	37.0	V	249.0	39.2	-2.2	17.0	54
20099.500000	36.3	V	69.0	42.1	-5.8	17.7	54
20657.312500	36.5	H	159.0	43.1	-6.6	17.5	54
23197.750000	36.8	V	314.0	42.8	-6.0	17.2	54
23692.875000	36.9	H	294.0	42.8	-5.9	17.1	54
26298.125000	37.0	V	0.0	42.4	-5.4	17.0	54

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



802.11n (HT40) CH9

FCC RE 0.03-1GHz QP Class C

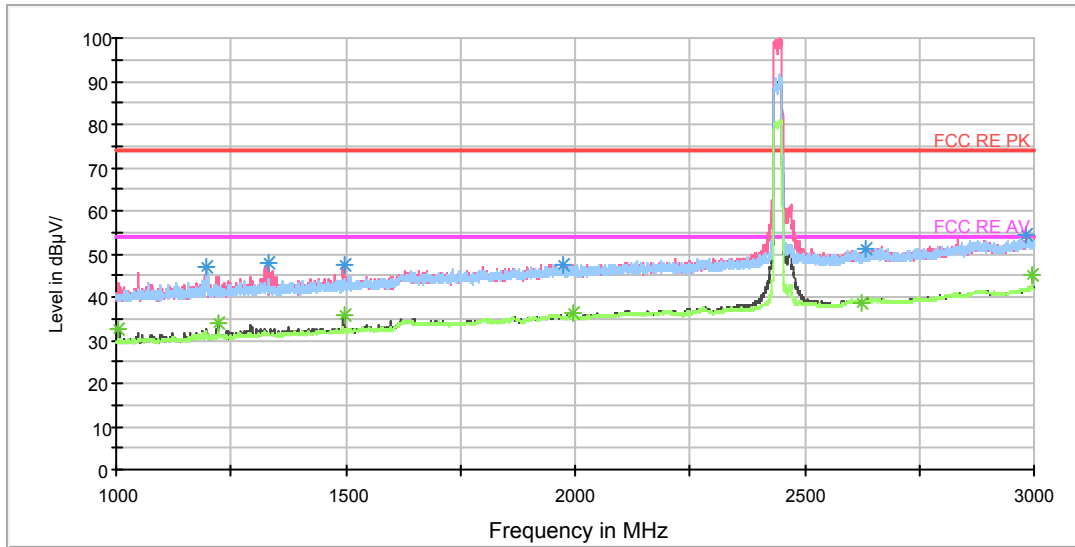


Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
35.492500	16.4	100.0	V	271.0	28.4	12.0	23.6	40.0
76.357500	18.3	125.0	V	262.0	26.8	8.5	21.7	40.0
99.597500	26.8	100.0	V	225.0	40.0	13.2	16.7	43.5
166.281250	23.9	100.0	V	128.0	33.9	10.0	19.6	43.5
232.766250	36.8	125.0	H	113.0	50.2	13.4	9.2	46.0
458.376250	30.9	114.0	V	185.0	49.9	19.0	15.1	46.0

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

RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1196.500000	46.9	102.0	H	30.0	55.1	-8.2	27.1	74
1332.250000	48.1	102.0	V	0.0	55.5	-7.4	25.9	74
1497.000000	47.6	102.0	V	0.0	54.3	-6.7	26.4	74
1972.750000	47.7	102.0	V	191.0	51.3	-3.6	26.3	74
2984.500000	54.2	102.0	V	0.0	56.4	2.2	19.8	74
2632.750000	50.9	102.0	V	304.0	50.9	0.0	23.1	74

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

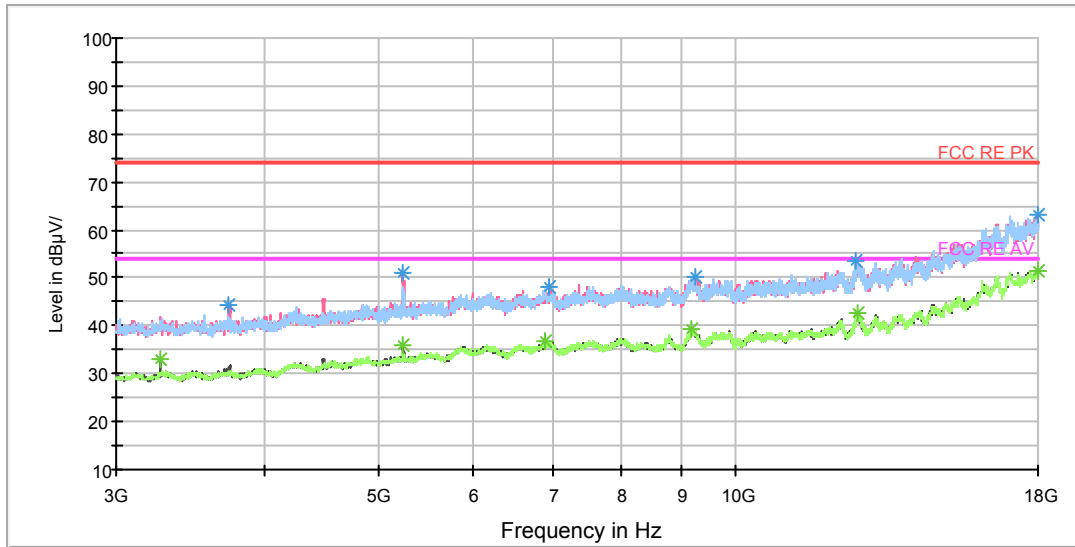
Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1006.000000	32.5	102.0	V	133.0	41.8	-9.3	21.5	54
1222.750000	33.8	102.0	V	191.0	41.6	-7.8	20.2	54
1497.500000	35.7	102.0	V	12.0	42.4	-6.7	18.3	54
1995.500000	36.2	102.0	V	0.0	39.4	-3.2	17.8	54
2994.750000	45.1	102.0	V	0.0	47.4	2.3	8.9	54
2625.250000	38.8	102.0	V	168.0	39.0	-0.2	15.2	54

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





RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

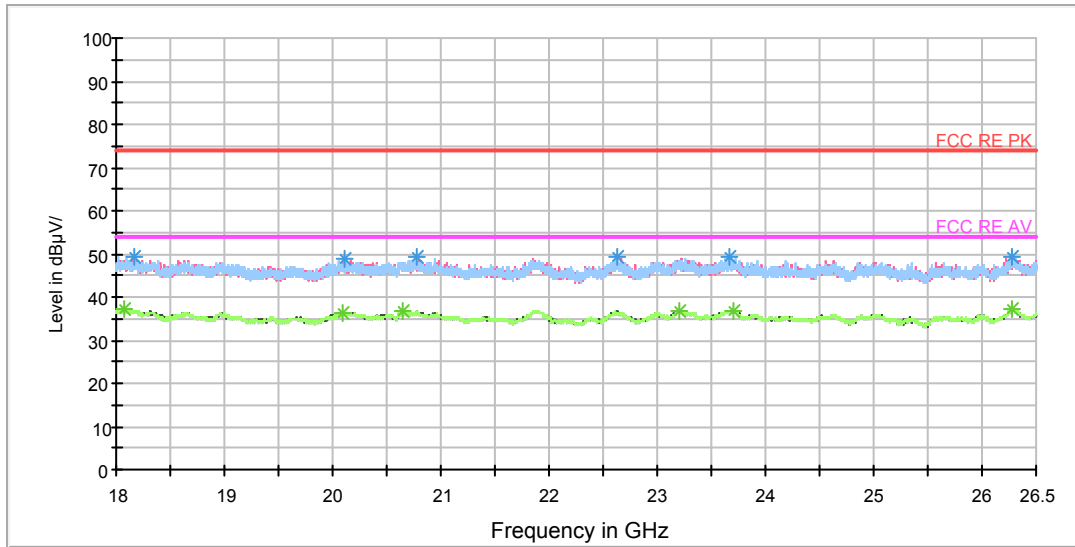
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3735.000000	44.5	102.0	V	0.0	46.2	-1.7	29.5	74
5242.500000	51.1	102.0	V	0.0	53.2	2.1	22.9	74
6958.125000	47.9	102.0	V	0.0	54.1	6.2	26.1	74
9249.375000	50.3	102.0	V	217.0	60.0	9.7	23.7	74
12639.375000	53.7	102.0	H	196.0	68.2	14.5	20.3	74
18000.000000	63.0	102.0	V	308.0	88.5	25.5	11.0	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3268.125000	33.0	102.0	V	162.0	35.4	-2.4	21.0	54
5242.500000	36.0	102.0	V	0.0	38.1	2.1	18.0	54
6915.000000	36.6	102.0	H	196.0	42.8	6.2	17.4	54
9170.625000	39.2	102.0	V	321.0	49.3	10.1	14.8	54
12676.875000	42.5	102.0	V	204.0	56.7	14.2	11.5	54
18000.000000	51.6	102.0	H	210.0	77.1	25.5	2.4	54

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

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18167.875000	49.4	H	318.0	51.9	-2.5	24.6	74
20106.937500	48.7	V	308.0	54.5	-5.8	25.3	74
20778.437500	49.3	H	0.0	56.2	-6.9	24.7	74
22626.125000	49.1	H	0.0	55.8	-6.7	24.9	74
23657.812500	49.2	V	308.0	55.1	-5.9	24.8	74
26275.812500	49.2	H	95.0	54.6	-5.4	24.8	74

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

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18069.062500	37.1	V	244.0	39.2	-2.1	16.9	54
20084.625000	36.3	H	140.0	42.0	-5.7	17.7	54
20657.312500	36.6	H	0.0	43.2	-6.6	17.4	54
23200.937500	36.8	H	227.0	42.8	-6.0	17.2	54
23705.625000	37.0	H	0.0	42.9	-5.9	17.0	54
26280.062500	37.2	H	0.0	42.6	-5.4	16.8	54

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

### 5.8. Conducted Emission

#### Ambient condition

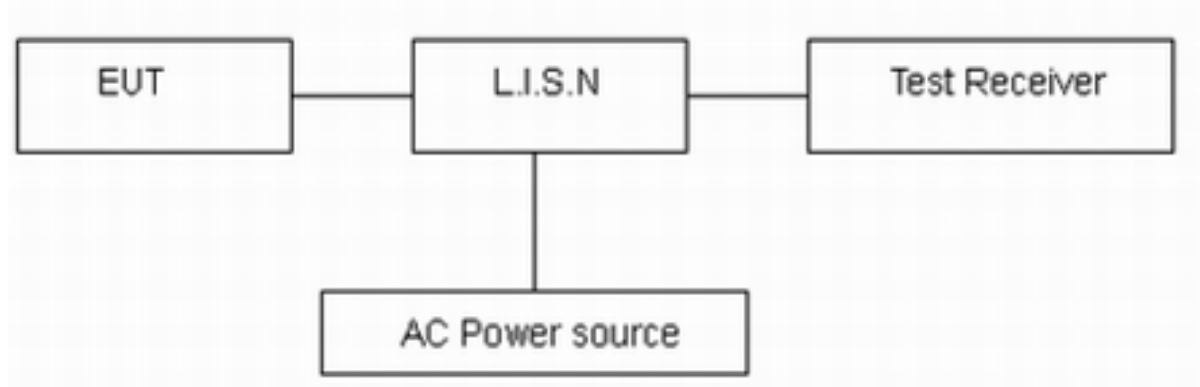
Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

#### 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 C63.10-2013. Connect the AC power line of the EUT to the L.I.S.N. Use EMI receiver to detect the average and Quasi-peak value. RBW is set to 9 kHz, 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.

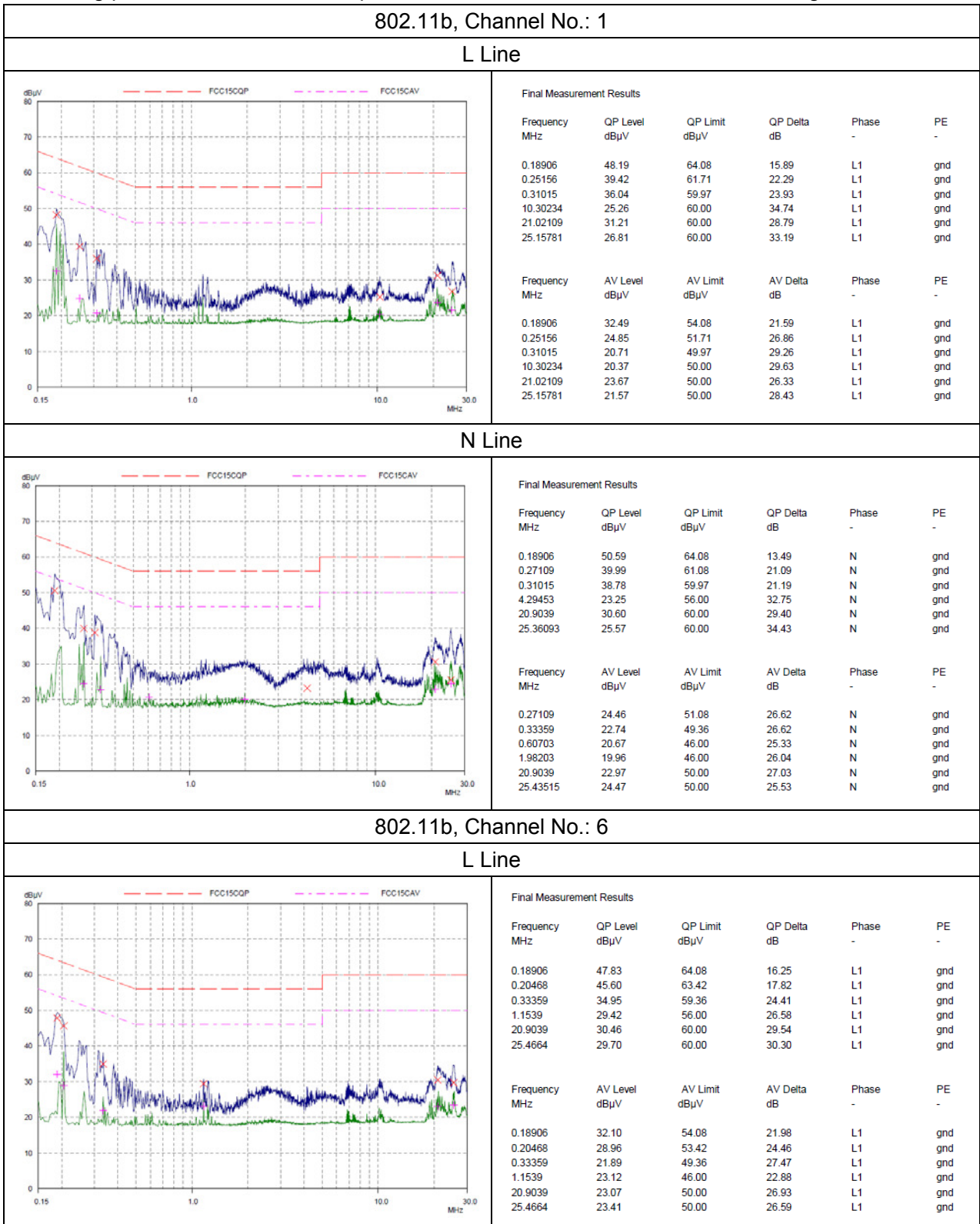
#### Measurement Uncertainty

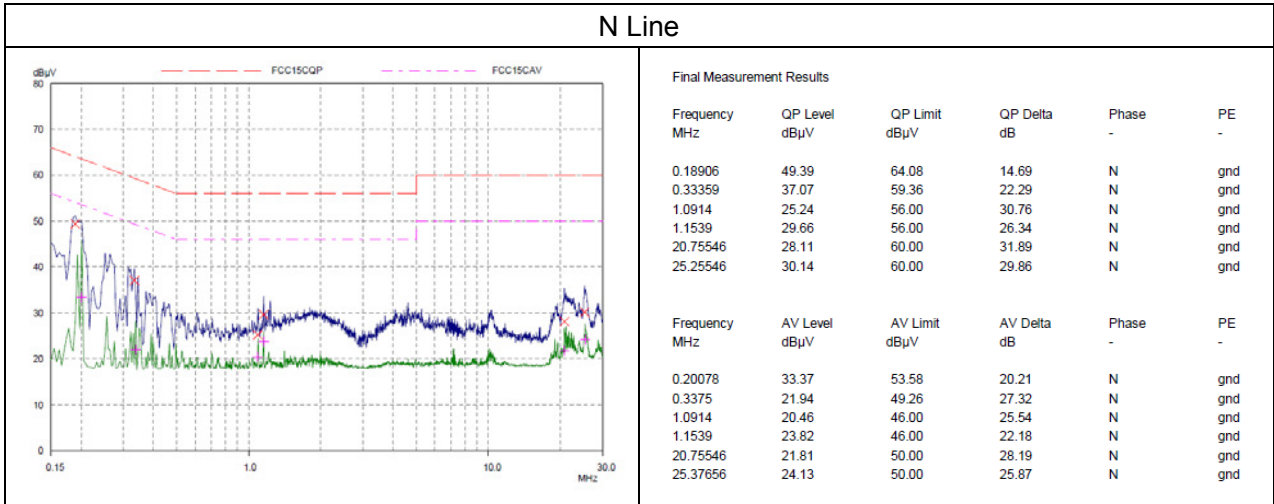
The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor  $k = 1.96$ ,  $U = 2.69$  dB.



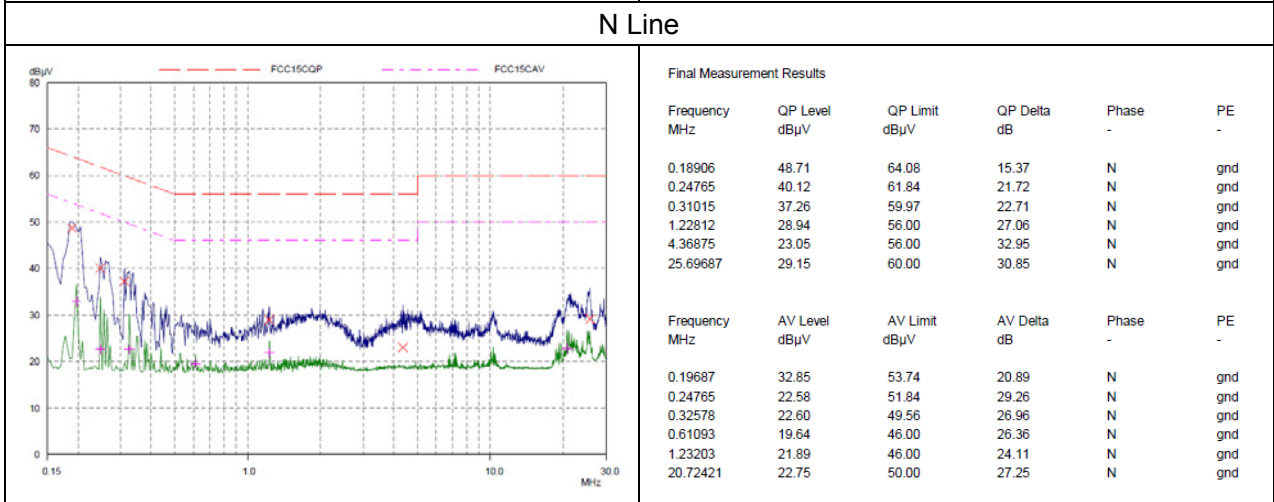
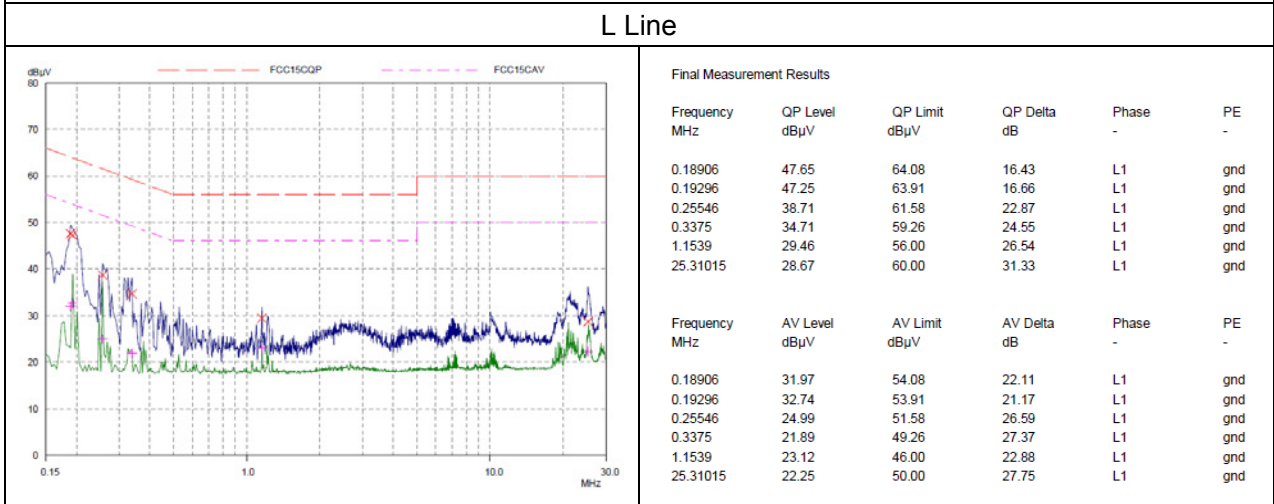
Test Results:

Following plots, Blue trace uses the peak detection and Green trace uses the average detection.





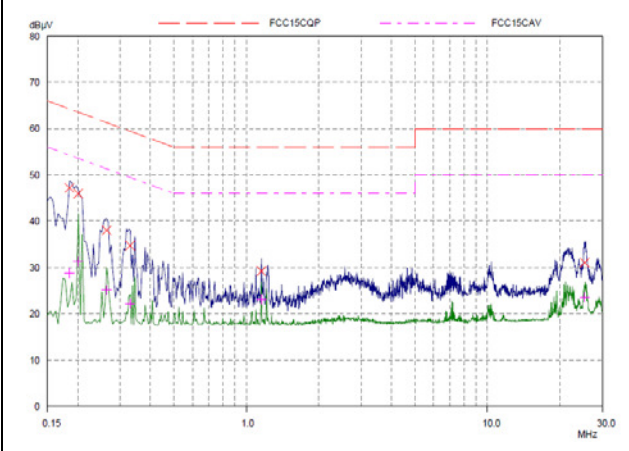
802.11b, Channel No.: 11





802.11g, Channel No.: 1

L Line

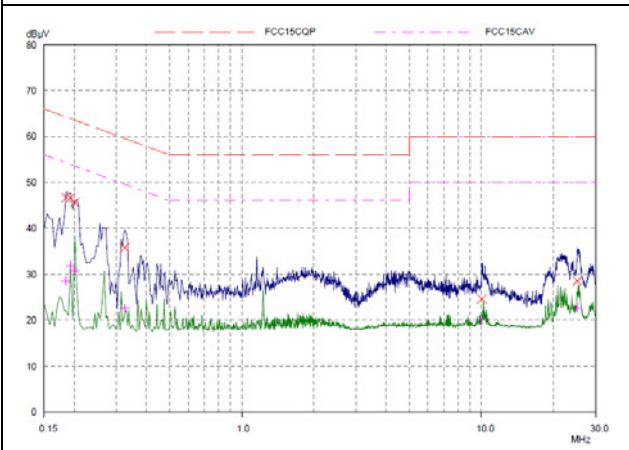


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase	PE
0.18515	47.17	64.25	17.08	L1	gnd
0.20078	45.96	63.58	17.62	L1	gnd
0.26328	38.03	61.33	23.30	L1	gnd
0.32968	34.75	59.46	24.71	L1	gnd
1.1539	29.20	56.00	26.80	L1	gnd
25.28671	31.07	60.00	28.93	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase	PE
0.18515	28.78	54.25	25.47	L1	gnd
0.20078	31.41	53.58	22.17	L1	gnd
0.26328	25.14	51.33	26.19	L1	gnd
0.32968	22.20	49.46	27.26	L1	gnd
1.1539	23.16	46.00	22.84	L1	gnd
25.28671	23.55	50.00	26.45	L1	gnd

N Line



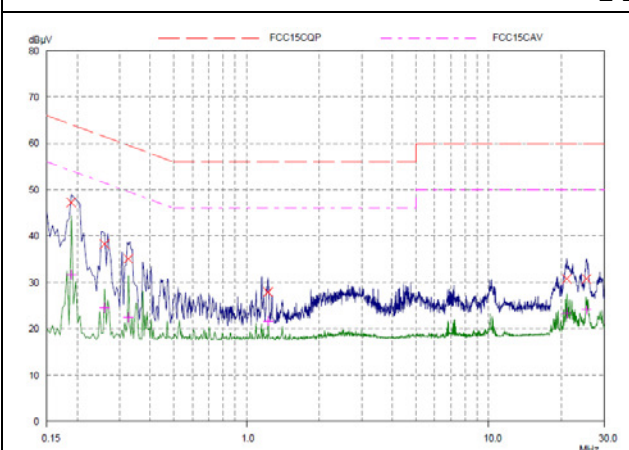
Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase	PE
0.18515	46.71	64.25	17.54	N	gnd
0.19296	46.61	63.91	17.30	N	gnd
0.20078	45.64	63.58	17.94	N	gnd
0.32578	35.79	59.56	23.77	N	gnd
10.06406	24.60	60.00	35.40	N	gnd
25.19296	28.56	60.00	31.44	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase	PE
0.18515	28.48	54.25	25.77	N	gnd
0.19296	31.90	53.91	22.01	N	gnd
0.20078	30.74	53.58	22.84	N	gnd
0.32578	22.55	49.56	27.01	N	gnd
10.06406	20.04	50.00	29.96	N	gnd
25.19296	22.70	50.00	27.30	N	gnd

802.11g, Channel No.: 6

L Line



Final Measurement Results

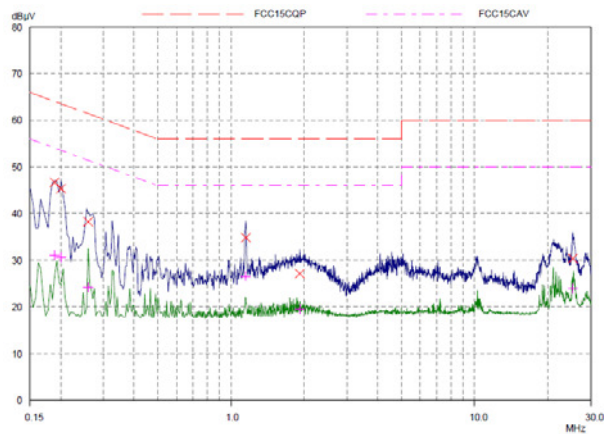
Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase	PE
0.18906	47.23	64.08	16.85	L1	gnd
0.25937	38.29	61.45	23.16	L1	gnd
0.32578	35.09	59.56	24.47	L1	gnd
1.22812	27.90	56.00	28.10	L1	gnd
21.02109	30.79	60.00	29.21	L1	gnd
25.4039	30.78	60.00	29.22	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase	PE
0.18906	31.63	54.08	22.45	L1	gnd
0.25937	24.54	51.45	26.91	L1	gnd
0.32578	22.50	49.56	27.06	L1	gnd
1.22812	21.68	46.00	24.32	L1	gnd
21.02109	23.33	50.00	26.67	L1	gnd
25.4039	24.10	50.00	25.90	L1	gnd





N Line



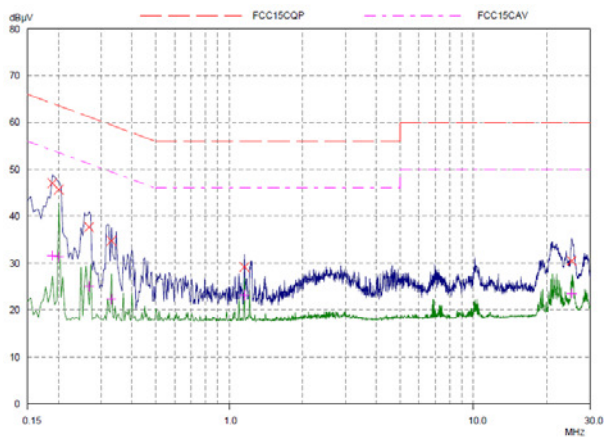
Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase	PE
0.18906	46.69	64.08	17.39	N	gnd
0.20078	45.38	63.58	18.20	N	gnd
0.25937	38.27	61.45	23.18	N	gnd
1.15	34.90	56.00	21.10	N	gnd
1.91562	27.17	56.00	28.83	N	gnd
25.33359	30.35	60.00	29.65	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase	PE
0.18906	31.05	54.08	23.03	N	gnd
0.20078	30.66	53.58	22.92	N	gnd
0.25937	24.22	51.45	27.23	N	gnd
1.15	26.67	46.00	19.33	N	gnd
1.91562	19.56	46.00	26.44	N	gnd
25.33359	23.94	50.00	26.06	N	gnd

802.11g, Channel No.: 11

L Line

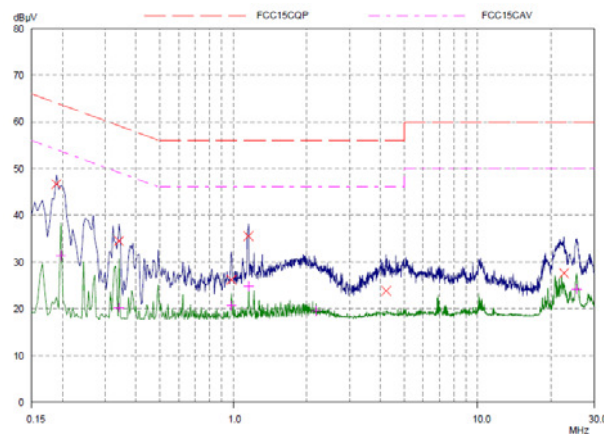


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase	PE
0.18906	47.05	64.08	17.03	L1	gnd
0.20078	45.68	63.58	17.90	L1	gnd
0.26718	37.69	61.21	23.52	L1	gnd
0.32968	34.75	59.46	24.71	L1	gnd
1.1539	29.18	56.00	26.82	L1	gnd
25.22812	30.50	60.00	29.50	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase	PE
0.18906	31.56	54.08	22.52	L1	gnd
0.20078	31.34	53.58	22.24	L1	gnd
0.26718	25.07	51.21	26.14	L1	gnd
0.32968	22.25	49.46	27.21	L1	gnd
1.1539	23.16	46.00	22.84	L1	gnd
25.22812	23.54	50.00	26.46	L1	gnd

N Line



Final Measurement Results

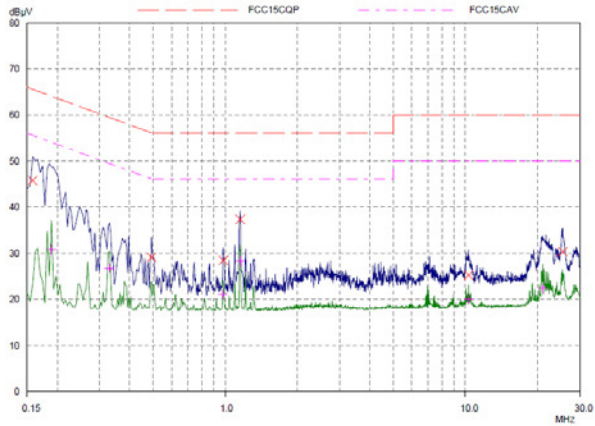
Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase	PE
0.18906	46.71	64.08	17.37	N	gnd
0.3414	34.51	59.17	24.66	N	gnd
0.98203	26.24	56.00	29.76	N	gnd
1.1539	35.58	56.00	20.42	N	gnd
4.22812	23.84	56.00	32.16	N	gnd
22.57578	27.63	60.00	32.37	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase	PE
0.19687	31.41	53.74	22.33	N	gnd
0.3414	20.32	49.17	28.85	N	gnd
0.98203	20.71	46.00	25.29	N	gnd
1.15781	24.85	46.00	21.15	N	gnd
2.18515	19.57	46.00	26.43	N	gnd
25.42343	24.24	50.00	25.76	N	gnd



802.11n(HT20), Channel No.: 1

L Line

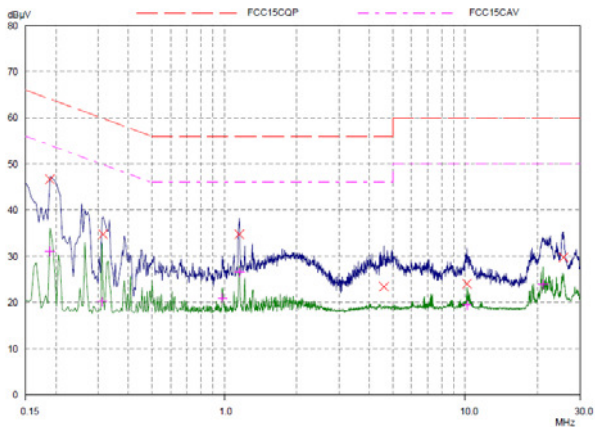


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase	PE
0.15781	45.74	65.58	19.84	L1	gnd
0.49375	29.12	56.10	26.98	L1	gnd
0.98203	28.44	56.00	27.56	L1	gnd
1.1539	37.32	56.00	18.68	L1	gnd
10.31406	25.22	60.00	34.78	L1	gnd
25.42734	30.36	60.00	29.64	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase	PE
0.18906	30.90	54.08	23.18	L1	gnd
0.32968	26.78	49.46	22.68	L1	gnd
0.97812	21.12	46.00	24.88	L1	gnd
1.1539	28.27	46.00	17.73	L1	gnd
10.31406	20.04	50.00	29.96	L1	gnd
20.98593	22.40	50.00	27.60	L1	gnd

N Line



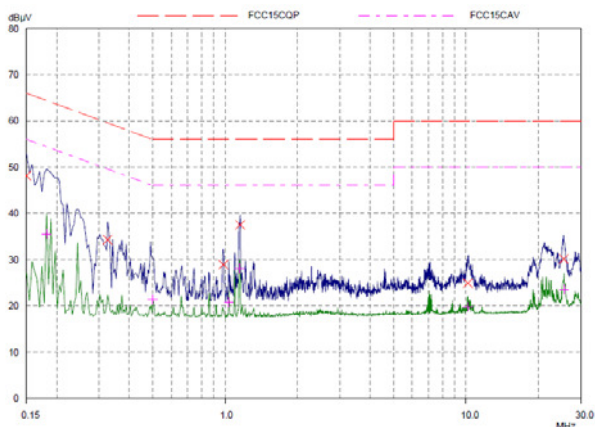
Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase	PE
0.18906	46.71	64.08	17.37	N	gnd
0.31406	34.79	59.86	25.07	N	gnd
1.1539	34.74	56.00	21.26	N	gnd
4.59921	23.43	56.00	32.57	N	gnd
10.15781	24.06	60.00	35.94	N	gnd
25.57578	29.78	60.00	30.22	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase	PE
0.18906	30.98	54.08	23.10	N	gnd
0.31015	20.14	49.97	29.83	N	gnd
0.98203	20.95	46.00	25.05	N	gnd
1.1539	26.48	46.00	19.52	N	gnd
10.15781	19.49	50.00	30.51	N	gnd
21.09921	23.91	50.00	26.09	N	gnd

802.11n(HT20), Channel No.: 6

L Line



Final Measurement Results

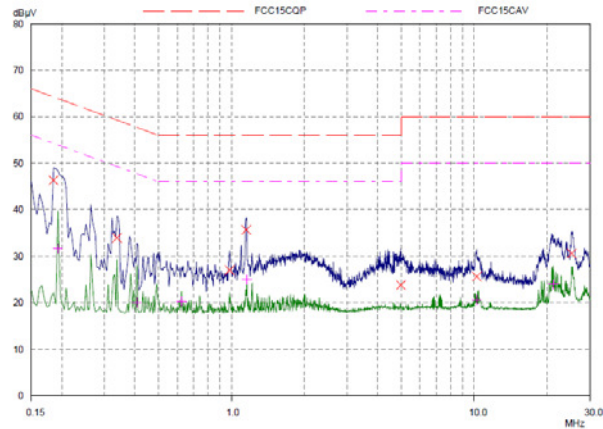
Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase	PE
0.15	48.14	66.00	17.86	L1	gnd
0.32578	34.29	59.56	25.27	L1	gnd
0.98203	28.94	56.00	27.06	L1	gnd
1.1539	37.54	56.00	18.46	L1	gnd
10.19296	24.90	60.00	35.10	L1	gnd
25.43125	30.10	60.00	29.90	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase	PE
0.18125	35.50	54.43	18.93	L1	gnd
0.50156	21.37	46.00	24.63	L1	gnd
1.03671	20.77	46.00	25.23	L1	gnd
1.15	28.12	46.00	17.88	L1	gnd
10.19296	19.77	50.00	30.23	L1	gnd
25.54843	23.57	50.00	26.43	L1	gnd





N Line



Final Measurement Results

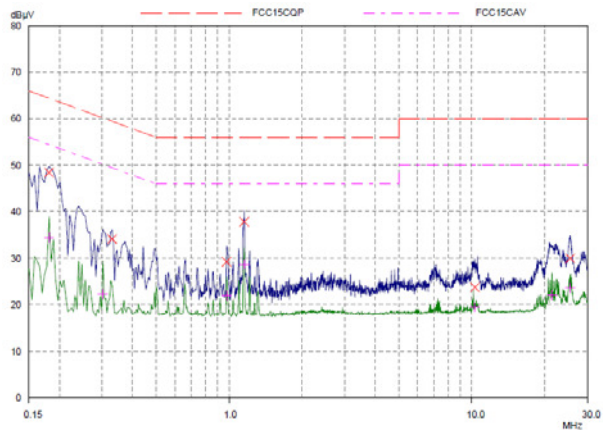
Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase	PE
0.18515	46.29	64.25	17.96	N	gnd
0.3375	33.91	59.26	25.35	N	gnd
0.98203	26.96	56.00	29.04	N	gnd
1.15	35.62	56.00	20.38	N	gnd
4.98593	23.80	56.00	32.20	N	gnd
10.25546	25.58	60.00	34.42	N	gnd
25.24765	30.54	60.00	29.46	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase	PE
0.19296	31.63	53.91	22.28	N	gnd
0.40781	20.12	47.69	27.57	N	gnd
0.62265	20.22	46.00	25.78	N	gnd
1.15781	24.92	46.00	21.08	N	gnd
10.25546	20.56	50.00	29.44	N	gnd
21.16171	23.91	50.00	26.09	N	gnd

802.11n(HT20), Channel No.: 11

L Line



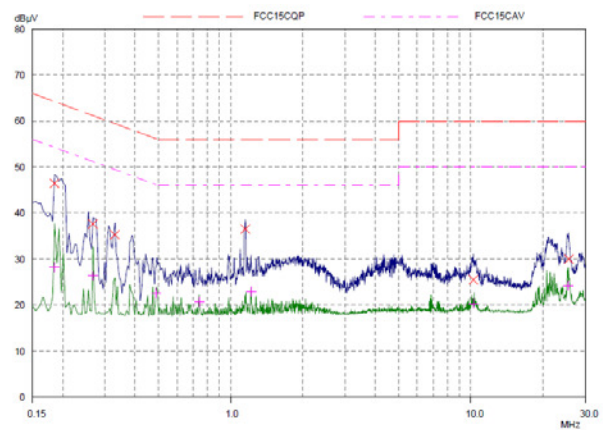
Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase	PE
0.18125	48.42	64.43	16.01	L1	gnd
0.32968	34.13	59.46	25.33	L1	gnd
0.97812	29.20	56.00	26.80	L1	gnd
1.1539	37.86	56.00	18.14	L1	gnd
10.31015	23.74	60.00	36.26	L1	gnd
25.4625	30.00	60.00	30.00	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase	PE
0.18125	34.46	54.43	19.97	L1	gnd
0.30234	22.26	50.18	27.92	L1	gnd
0.97812	21.94	46.00	24.06	L1	gnd
1.1539	28.67	46.00	17.33	L1	gnd
10.31015	19.49	50.00	30.51	L1	gnd
21.4	22.09	50.00	27.91	L1	gnd
25.4625	23.66	50.00	26.34	L1	gnd

N Line



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase	PE
0.18515	46.43	64.25	17.82	N	gnd
0.26718	37.63	61.21	23.58	N	gnd
0.32968	35.25	59.46	24.21	N	gnd
1.15	36.54	56.00	19.46	N	gnd
10.25546	25.48	60.00	34.52	N	gnd
25.60312	30.00	60.00	30.00	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase	PE
0.18515	28.28	54.25	25.97	N	gnd
0.26718	26.30	51.21	24.91	N	gnd
0.48984	22.67	46.17	23.50	N	gnd
0.73984	20.78	46.00	25.22	N	gnd
1.2164	22.98	46.00	23.02	N	gnd
10.25546	20.30	50.00	29.70	N	gnd
25.43125	24.24	50.00	25.76	N	gnd



## 6. Main Test Instruments

Name	Type/Model	Manufacturer	Serial Number	Calibration Date	Expiration Time
Spectrum Analyzer	FSV30	R&S	100815	2015-12-17	2016-12-16
EMI Test Receiver	ESCI	R&S	100948	2016-06-01	2017-05-31
TRILOG Broadband Antenna	VULB 9163	Schwarzbeck	9163-201	2014-12-06	2017-12-05
Double Ridged Waveguide Horn Antenna	HF907	R&S	100126	2014-12-06	2017-12-05
Loop Antenna	FMZB1519	SCHWARZBECK	1519-047	2014-02-19	2017-02-18
Standard Gain Horn	3160-09	ETS-Lindgren	00102644	2015-01-30	2018-01-29
EMI Test Receiver	ESCS30	R&S	100138	2015-12-17	2016-12-16
LISN	ENV216	R&S	101171	2013-12-18	2016-12-17
Spectrum Analyzer	N9010A	Agilent	MY47191109	2016-05-21	2017-05-20
MOB COMMS DC SUPPLY	66319D	Agilent	MY43004105	2016-05-21	2017-05-20
Peak Power Meter	U2021XA	Keysight	MY55240003	2016-06-26	2017-06-25
RF Cable	SMA 15cm	Agilent	0001	2016-06-06	2016-12-05

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

## ANNEX A: EUT Appearance and Test Setup

### A.1 EUT Appearance



Front Side



Back Side

Picture 1 EUT



## A.2 Test Setup



30MHz-1GHz



Above 1GHz

Picture 2 Radiated Emission Test Setup



**Picture 3 Conducted Emission Test Setup**