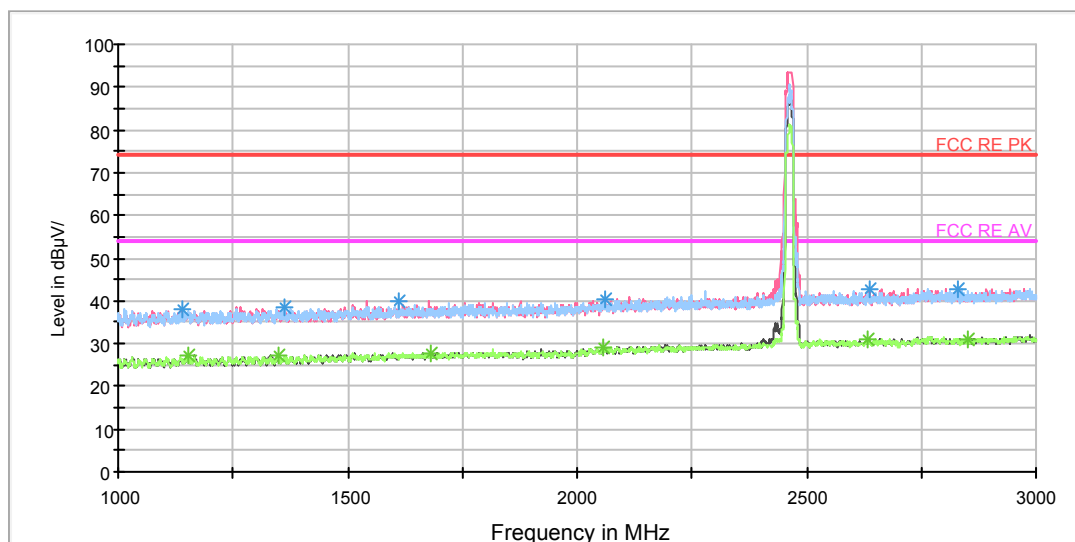




Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

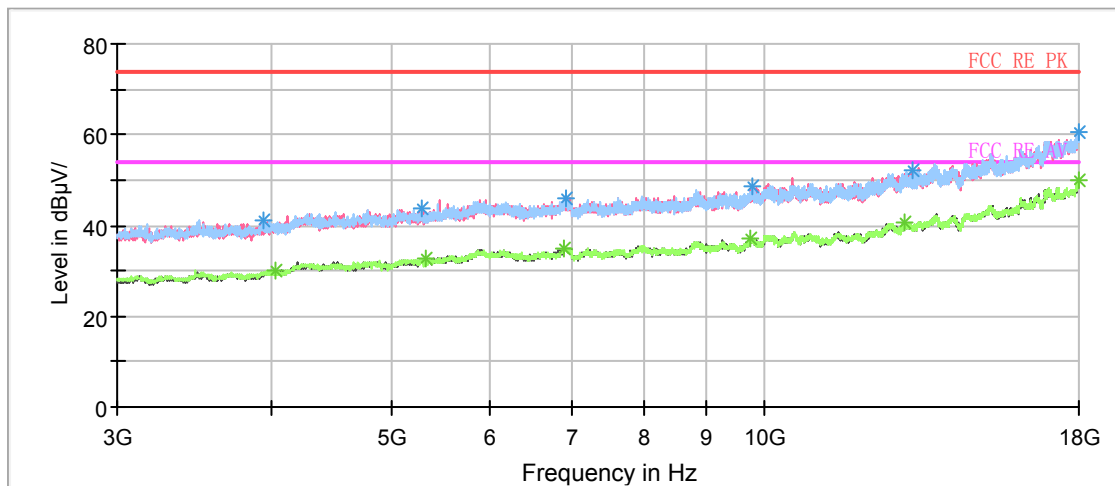
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1151.500000	36.7	100.0	V	0.0	47.5	-10.8	37.3	74
1349.000000	37.0	100.0	V	341.0	47.0	-10.0	37.0	74
1679.500000	36.9	100.0	V	0.0	45.7	-8.8	37.1	74
2058.000000	39.1	100.0	H	0.0	46.5	-7.4	34.9	74
2635.000000	41.4	100.0	H	1.0	46.0	-4.6	32.6	74
2852.500000	40.8	100.0	H	2.0	45.0	-4.2	33.2	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)
1138.500000	26.1	100.0	V	353.0	37.0	-10.9	27.9	54
1361.500000	26.5	100.0	V	293.0	36.5	-10.0	27.5	54
1611.000000	27.1	100.0	H	193.0	36.0	-8.9	26.9	54
2059.000000	28.6	100.0	H	140.0	36.0	-7.4	25.4	54
2635.500000	30.4	100.0	V	333.0	35.0	-4.6	23.6	54
2830.000000	30.9	100.0	V	261.0	35.1	-4.2	23.1	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

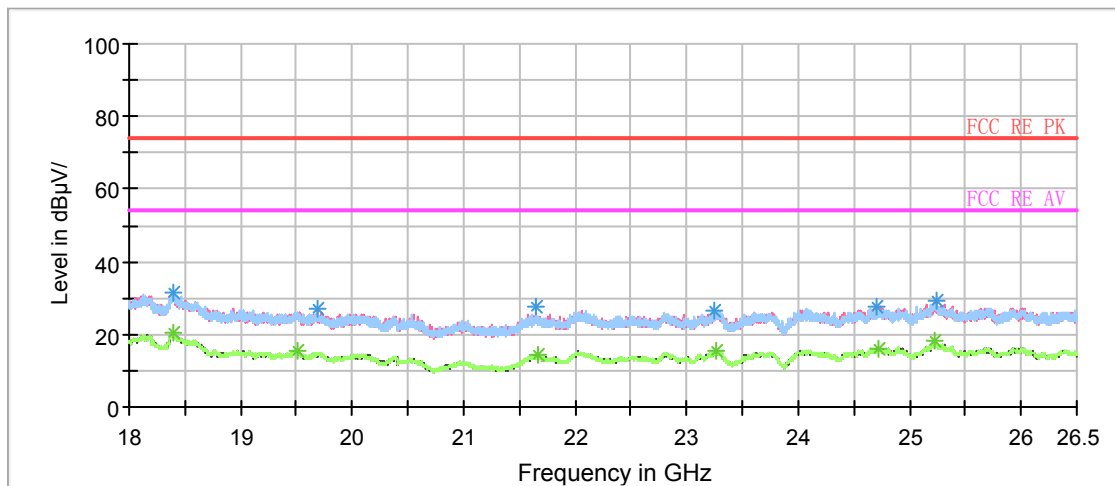
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4035.000000	39.3	101.0	V	0.0	39.9	-0.6	34.7	74
5340.000000	41.4	101.0	H	31.0	45.2	-3.8	32.6	74
6898.125000	44.5	101.0	V	0.0	51.5	-7.0	29.5	74
9750.000000	47.4	101.0	H	89.0	59.1	-11.7	26.6	74
13025.625000	49.4	101.0	H	147.0	65.6	-16.2	24.6	74
18000.000000	60.3	101.0	H	16.0	85.7	25.4	13.7	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)
4035.000000	30.2	101.0	V	0.0	30.8	-0.6	23.8	54
5340.000000	32.7	101.0	H	31.0	36.5	-3.8	21.3	54
6898.125000	35.1	101.0	V	0.0	42.1	-7.0	18.9	54
9750.000000	37.3	101.0	H	89.0	49.0	-11.7	16.7	54
13025.625000	40.8	101.0	H	147.0	57.0	-16.2	13.2	54
18000.000000	49.9	101.0	H	16.0	75.3	-25.4	4.1	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)
18388.875000	30.5	H	63.0	35.4	-4.9	43.5	74
19501.312500	25.5	H	306.0	33.0	-7.5	48.5	74
21662.437500	24.9	H	15.0	34.2	-9.3	49.1	74
23268.937500	24.3	V	0.0	31.6	-7.3	49.7	74
24726.687500	26.4	V	279.0	32.6	-6.2	47.6	74
25217.562500	27.0	H	205.0	33.1	-6.1	47.0	74

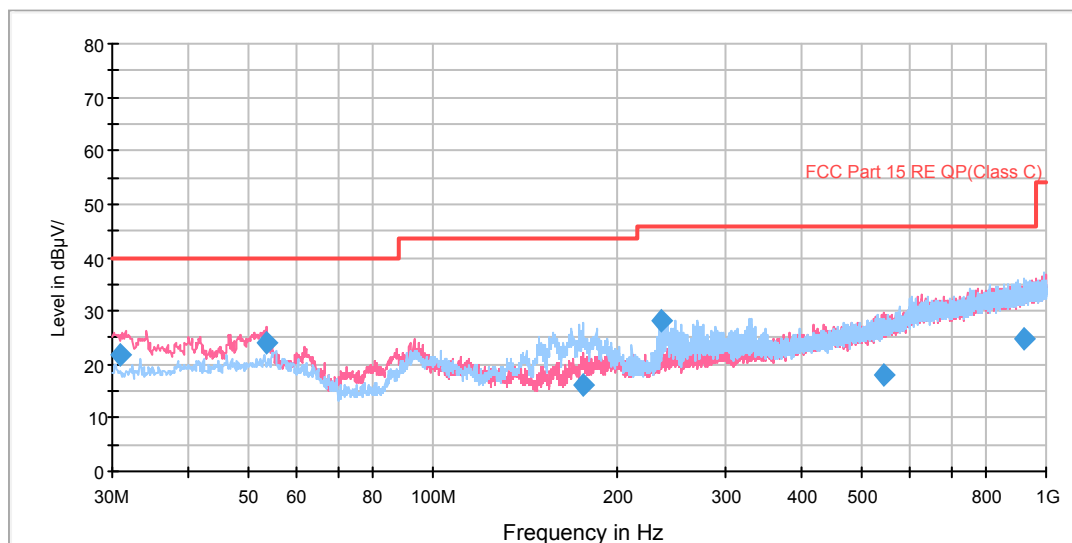
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18388.875000	20.3	H	63.0	25.2	-4.9	33.7	54
19501.312500	15.7	H	306.0	23.2	-7.5	38.3	54
21662.437500	14.2	H	15.0	23.5	-9.3	39.8	54
23268.937500	15.4	V	0.0	22.7	-7.3	38.6	54
24726.687500	16.3	V	279.0	22.5	-6.2	37.7	54
25217.562500	18.1	H	205.0	24.2	-6.1	35.9	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



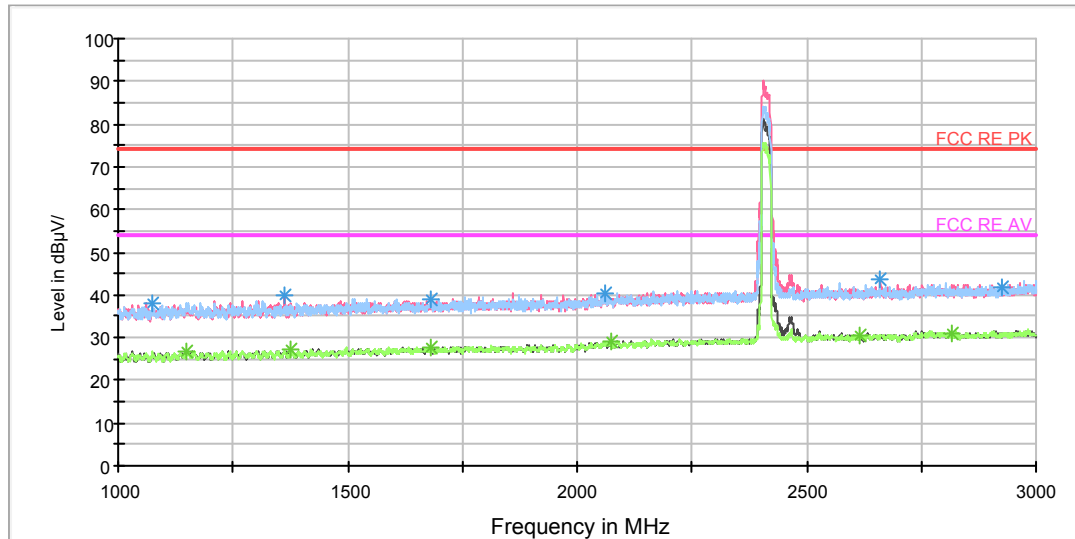
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
30.976250	21.7	100.0	V	227.0	33.6	-11.9	18.3	40.0
53.562500	24.1	100.0	V	239.0	36.9	-12.8	15.9	40.0
176.100000	16.3	125.0	H	70.0	26.9	-10.6	27.2	43.5
236.531250	28.1	125.0	H	81.0	41.7	-13.6	17.9	46.0
543.207500	18.1	100.0	V	290.0	39.0	-20.9	27.9	46.0
922.885000	24.7	100.0	H	313.0	50.5	-25.8	21.3	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



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

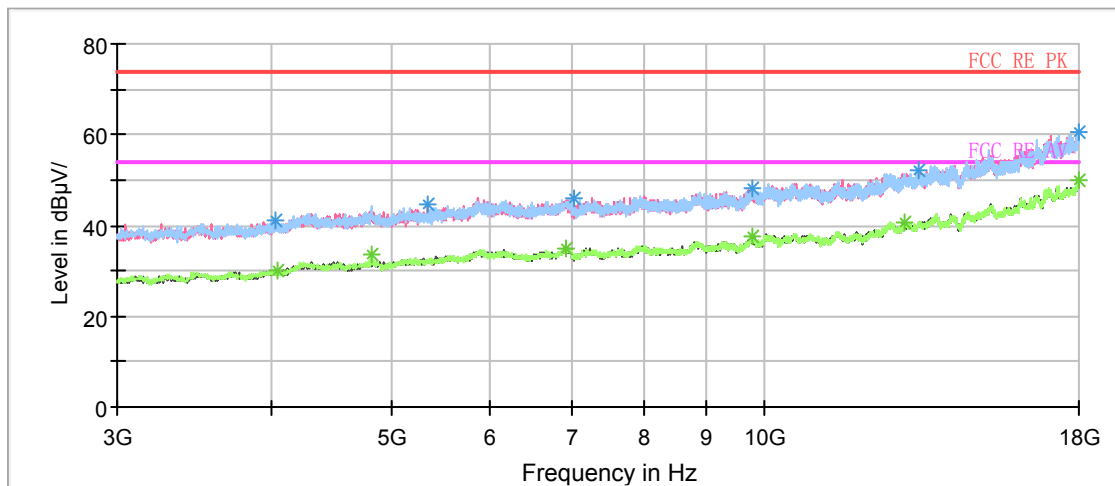
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1148.000000	36.0	100.0	H	4.0	46.8	-10.8	38.0	74
1375.000000	37.4	100.0	H	26.0	47.3	-9.9	36.6	74
1680.500000	36.9	100.0	H	2.0	45.7	-8.8	37.1	74
2072.500000	38.5	100.0	H	172.0	45.8	-7.3	35.5	74
2616.500000	40.3	100.0	H	120.0	44.9	-4.6	33.7	74
2817.000000	40.7	100.0	V	278.0	44.9	-4.2	33.3	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)
1075.000000	26.1	100.0	H	2.0	37.2	-11.1	27.9	54
1364.000000	26.5	100.0	V	96.0	36.4	-9.9	27.5	54
1682.000000	27.2	100.0	V	235.0	36.0	-8.8	26.8	54
2060.500000	28.6	100.0	H	8.0	36.0	-7.4	25.4	54
2661.500000	30.2	100.0	V	246.0	34.8	-4.6	23.8	54
2926.000000	30.6	100.0	V	256.0	34.7	-4.1	23.4	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

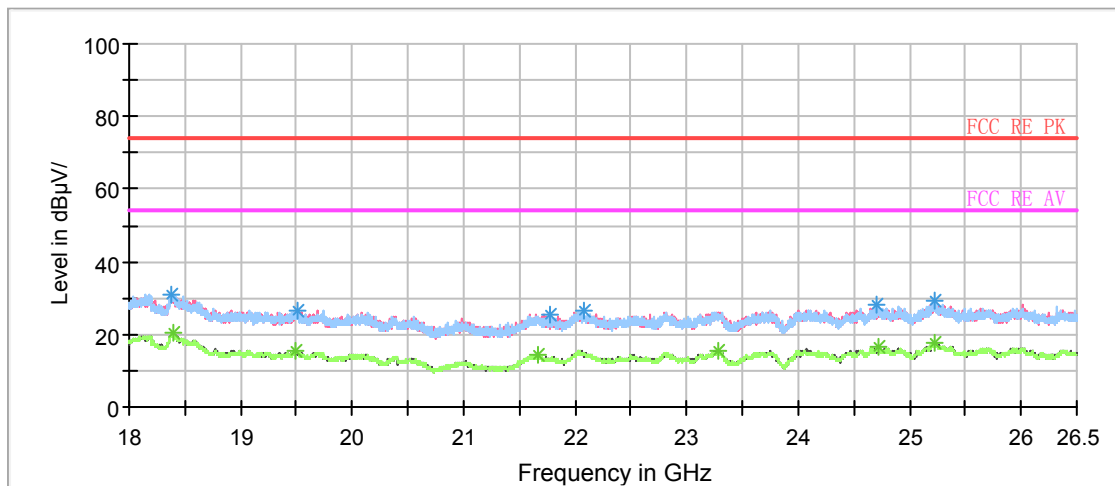
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4040.625000	40.5	101.0	V	252.0	41.1	-0.6	33.5	74
4820.625000	43.1	101.0	H	0.0	45.8	-2.7	30.9	74
6926.250000	44.9	101.0	H	0.0	51.7	-6.8	29.1	74
9798.750000	47.5	101.0	H	122.0	59.8	-12.3	26.5	74
12997.500000	50.1	101.0	H	35.0	66.3	-16.2	23.9	74
17992.500000	59.8	101.0	V	0.0	85.1	-25.3	14.2	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)
4040.625000	30.1	101.0	V	252.0	30.7	-0.6	23.9	54
4820.625000	33.7	101.0	H	0.0	36.4	-2.7	20.3	54
6926.250000	35.0	101.0	H	0.0	41.8	-6.8	19.0	54
9798.750000	37.5	101.0	H	122.0	49.8	-12.3	16.5	54
12997.500000	40.6	101.0	H	35.0	56.8	-16.2	13.4	54
17992.500000	49.8	101.0	V	0.0	75.1	-25.3	4.2	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)
18391.000000	31.0	H	32.0	35.9	-4.9	43.0	74
19487.500000	24.4	V	0.0	32.1	-7.7	49.6	74
21666.687500	23.3	H	6.0	32.6	-9.3	50.7	74
23276.375000	24.6	V	166.0	31.8	-7.2	49.4	74
24727.750000	26.4	V	158.0	32.6	-6.2	47.6	74
25227.125000	27.3	H	64.0	33.2	-5.9	46.7	74

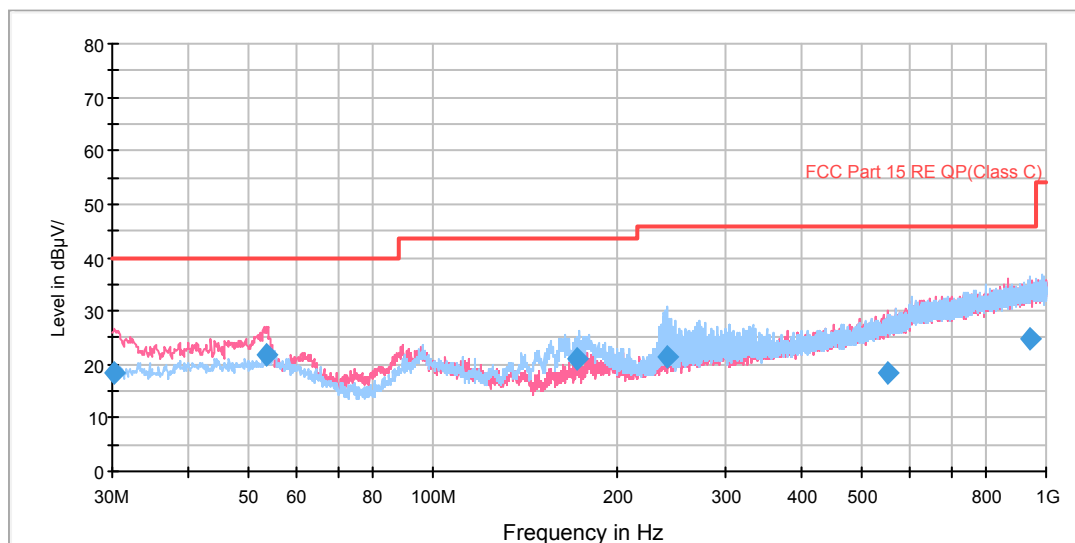
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18391.000000	20.4	H	32.0	25.3	-4.9	33.6	54
19487.500000	15.7	V	0.0	23.4	-7.7	38.3	54
21666.687500	14.2	H	6.0	23.5	-9.3	39.8	54
23276.375000	15.6	V	166.0	22.8	-7.2	38.4	54
24727.750000	16.3	V	158.0	22.5	-6.2	37.7	54
25227.125000	17.8	H	64.0	23.7	-5.9	36.2	54

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

802.11n (HT20) CH6

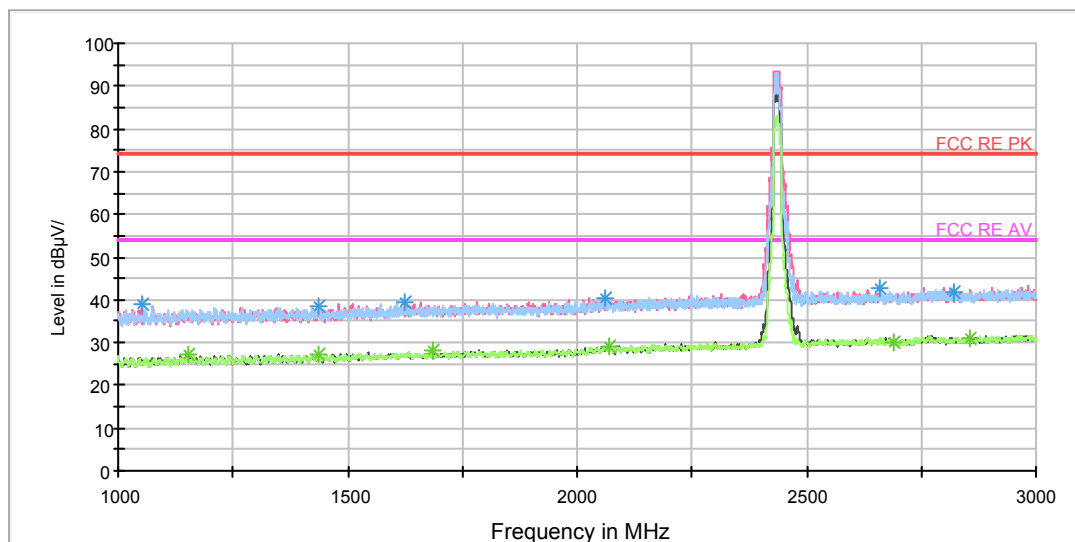
FCC RE 0.03-1GHz QP Class C



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)
30.127500	18.6	100.0	V	270.0	30.5	-11.9	21.4	40.0
53.397500	21.6	100.0	V	235.0	34.4	-12.8	18.4	40.0
172.432500	21.0	125.0	H	257.0	31.4	-10.4	22.5	43.5
241.378750	21.2	125.0	H	82.0	35.0	-13.8	24.8	46.0
553.230000	18.5	100.0	V	28.0	39.6	-21.1	27.5	46.0
938.965000	24.9	100.0	H	124.0	50.8	-25.9	21.1	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



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

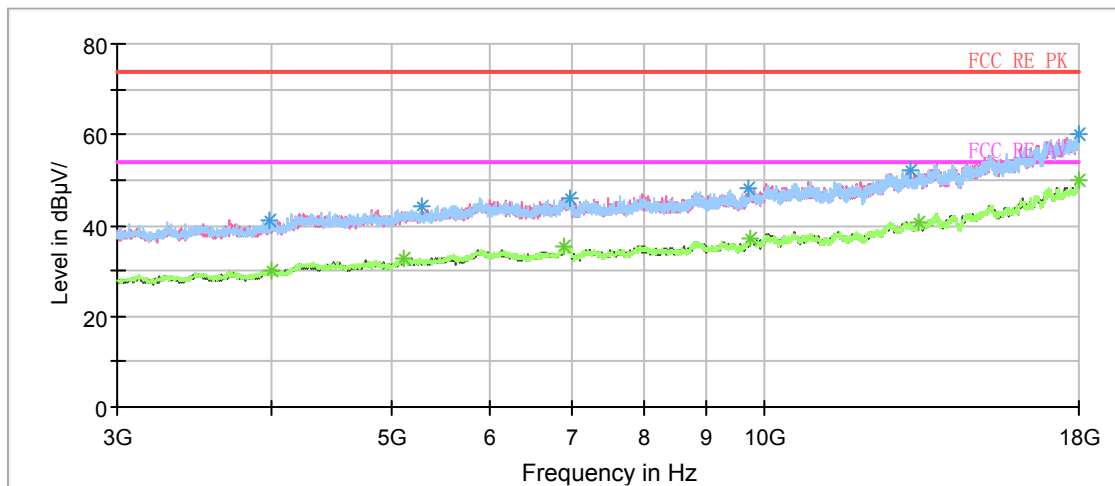
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1153.500000	36.8	100.0	V	325.0	47.6	-10.8	37.2	74
1438.500000	37.4	100.0	V	342.0	47.1	-9.7	36.6	74
1683.500000	37.5	100.0	H	215.0	46.3	-8.8	36.5	74
2070.500000	38.5	100.0	V	315.0	45.8	-7.3	35.5	74
2690.000000	39.8	100.0	V	251.0	44.4	-4.6	34.2	74
2855.500000	41.2	100.0	H	0.0	45.4	-4.2	32.8	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)
1050.500000	25.6	100.0	V	71.0	36.8	-11.2	28.4	54
1436.500000	26.7	100.0	H	78.0	36.4	-9.7	27.3	54
1623.000000	26.8	100.0	H	46.0	35.7	-8.9	27.2	54
2062.000000	28.2	100.0	H	183.0	35.6	-7.4	25.8	54
2661.500000	31.2	100.0	H	57.0	35.8	-4.6	22.8	54
2823.000000	30.6	100.0	H	9.0	34.8	-4.2	23.4	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

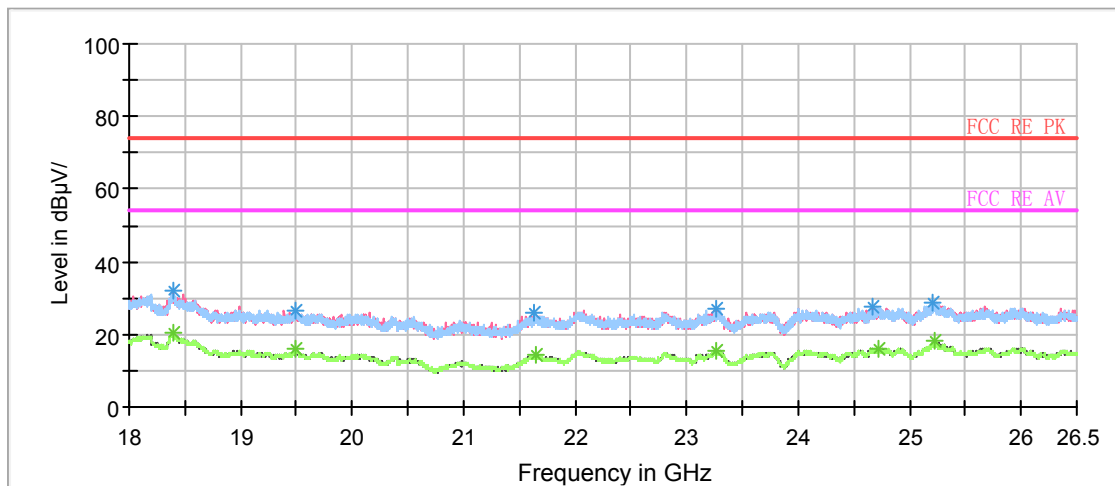
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4001.250000	39.1	101.0	H	19.0	39.6	-0.5	34.9	74
5120.625000	42.5	101.0	V	209.0	46.1	-3.6	31.5	74
6901.875000	45.8	101.0	H	62.0	52.8	-7.0	28.2	74
9766.875000	46.1	101.0	V	0.0	58.0	-11.9	27.9	74
13348.125000	50.2	101.0	V	0.0	66.0	-15.8	23.8	74
18000.000000	59.2	101.0	V	0.0	84.6	-25.4	14.8	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)
4001.250000	30.1	101.0	H	19.0	30.6	-0.5	23.9	54
5120.625000	32.8	101.0	V	209.0	36.4	-3.6	21.2	54
6901.875000	35.2	101.0	H	62.0	42.2	-7.0	18.8	54
9766.875000	37.2	101.0	V	0.0	49.1	-11.9	16.8	54
13348.125000	40.8	101.0	V	0.0	56.6	-15.8	13.2	54
18000.000000	49.8	101.0	V	0.0	75.2	-25.4	4.2	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)
18395.250000	29.1	V	214.0	34.0	-4.9	44.9	74
19483.250000	24.7	V	111.0	32.4	-7.7	49.3	74
21644.375000	24.2	V	223.0	33.3	-9.1	49.8	74
23263.625000	24.1	H	26.0	31.4	-7.3	49.9	74
24721.375000	25.7	H	43.0	32.0	-6.3	48.3	74
25231.375000	27.4	V	0.0	33.3	-5.9	46.6	74

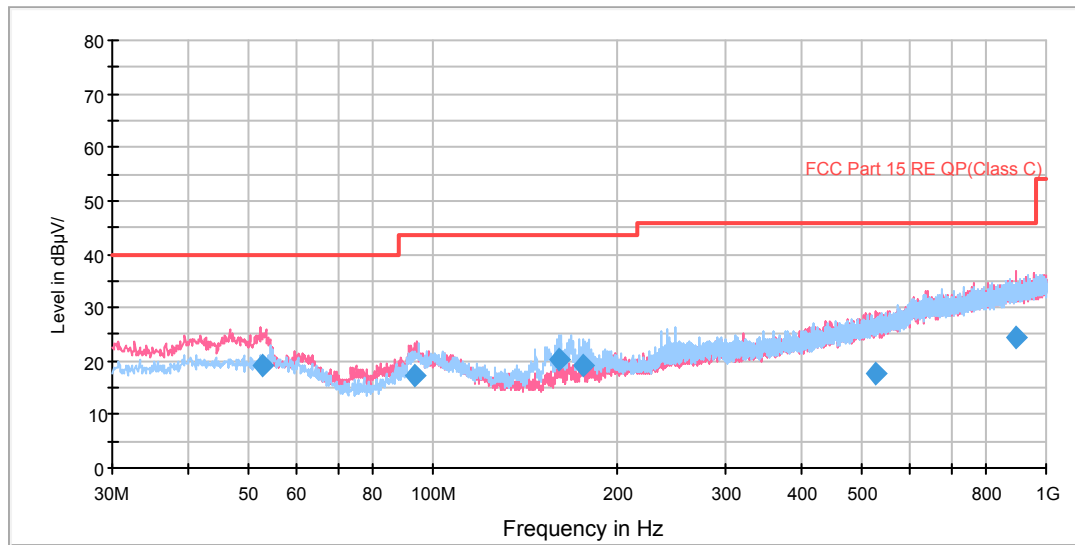
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18395.250000	20.5	V	214.0	25.4	-4.9	33.5	54
19483.250000	15.8	V	111.0	23.5	-7.7	38.2	54
21644.375000	14.4	V	223.0	23.5	-9.1	39.6	54
23263.625000	15.4	H	26.0	22.7	-7.3	38.6	54
24721.375000	16.3	H	43.0	22.6	-6.3	37.7	54
25231.375000	18.1	V	0.0	24.0	-5.9	35.9	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



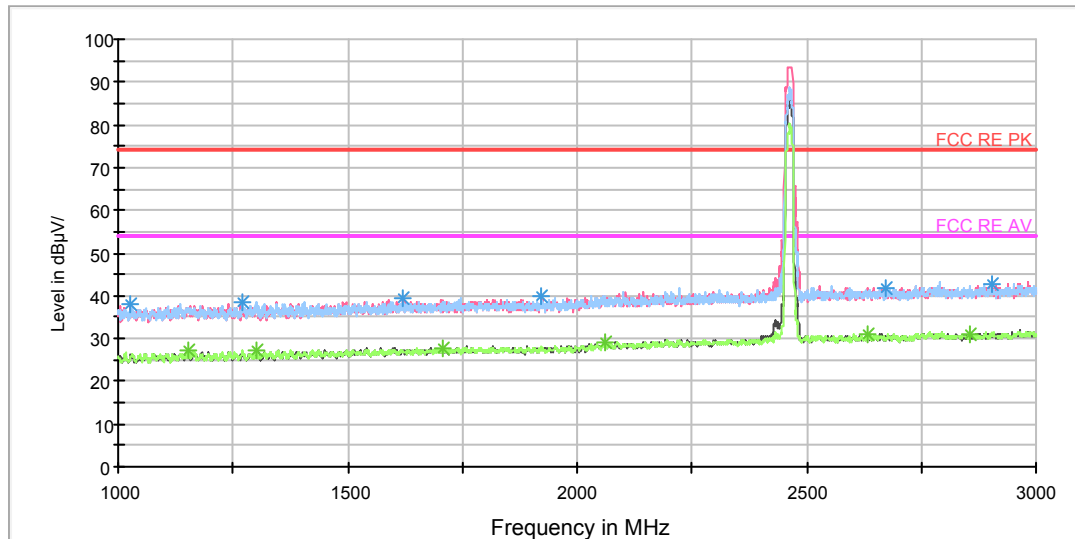
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
52.830000	19.1	100.0	V	200.0	31.9	-12.8	20.9	40.0
93.783750	17.3	100.0	V	304.0	29.7	-12.4	26.2	43.5
161.236250	20.2	125.0	H	259.0	30.0	-9.8	23.3	43.5
175.658750	19.2	125.0	H	252.0	29.8	-10.6	24.3	43.5
528.827500	17.8	100.0	V	185.0	38.4	-20.6	28.2	46.0
895.800000	24.4	114.0	V	134.0	49.9	-25.5	21.6	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



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

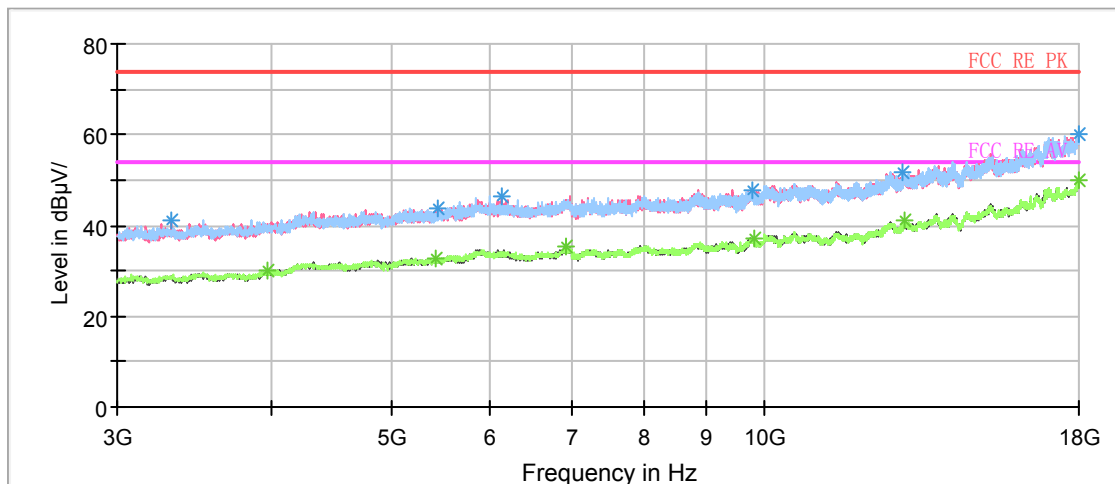
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1151.500000	37.2	100.0	H	93.0	48.0	-10.8	36.8	74
1300.500000	37.0	100.0	V	345.0	47.1	-10.1	37.0	74
1709.000000	37.1	100.0	H	0.0	45.8	-8.7	36.9	74
2059.500000	38.5	100.0	H	10.0	45.9	-7.4	35.5	74
2632.500000	40.8	100.0	V	289.0	45.4	-4.6	33.2	74
2856.000000	40.5	100.0	H	1.0	44.7	-4.2	33.5	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)
1027.500000	26.1	100.0	V	49.0	37.4	-11.3	27.9	54
1269.500000	26.2	100.0	H	2.0	36.5	-10.3	27.8	54
1621.000000	27.5	100.0	V	189.0	36.4	-8.9	26.5	54
1920.000000	27.5	100.0	V	299.0	35.6	-8.1	26.5	54
2671.500000	29.8	100.0	V	358.0	34.4	-4.6	24.2	54
2902.000000	31.6	100.0	H	236.0	35.8	-4.2	22.4	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

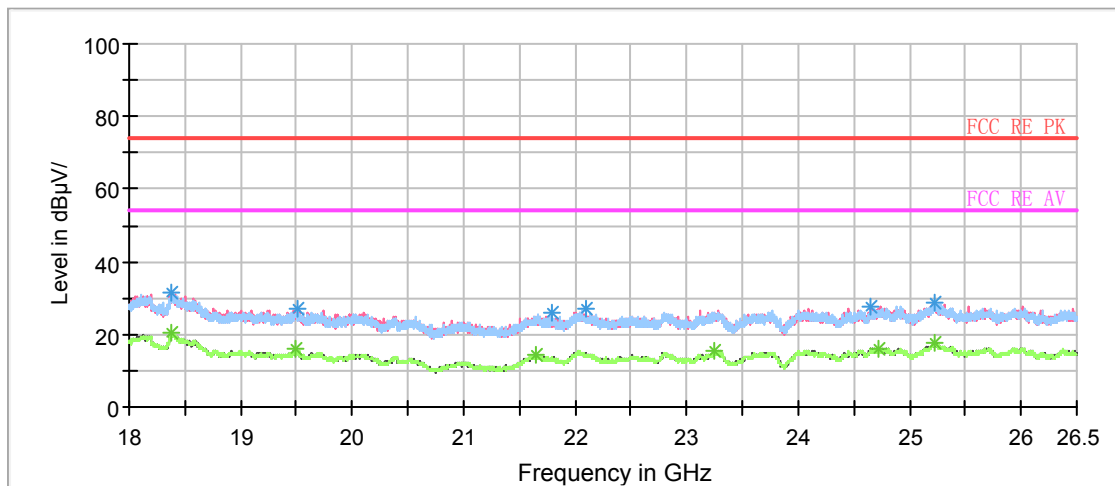
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3961.875000	39.7	101.0	H	76.0	39.9	-0.2	34.3	74
5439.375000	41.9	101.0	V	264.0	45.7	-3.8	32.1	74
6915.000000	43.9	101.0	H	238.0	50.8	-6.9	30.1	74
9817.500000	47.3	101.0	V	321.0	59.4	-12.1	26.7	74
13001.250000	51.2	101.0	H	104.0	67.4	-16.2	22.8	74
18000.000000	58.6	101.0	H	0.0	84.0	25.4	15.4	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)
3961.875000	30.1	101.0	H	76.0	30.3	-0.2	23.9	54
5439.375000	32.6	101.0	V	264.0	36.4	-3.8	21.4	54
6915.000000	35.3	101.0	H	238.0	42.2	-6.9	18.7	54
9817.500000	37.1	101.0	V	321.0	49.2	-12.1	16.9	54
13001.250000	40.9	101.0	H	104.0	57.1	-16.2	13.1	54
18000.000000	49.9	101.0	H	0.0	75.3	-25.4	4.1	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)
18382.500000	29.7	V	174.0	34.5	-4.8	44.3	74
19486.437500	25.2	V	234.0	32.9	-7.7	48.8	74
21641.187500	23.1	V	283.0	32.2	-9.1	50.9	74
23253.000000	25.0	H	253.0	32.5	-7.5	49.0	74
24712.875000	25.5	V	200.0	32.0	-6.5	48.5	74
25228.187500	28.7	H	134.0	34.6	-5.9	45.3	74

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

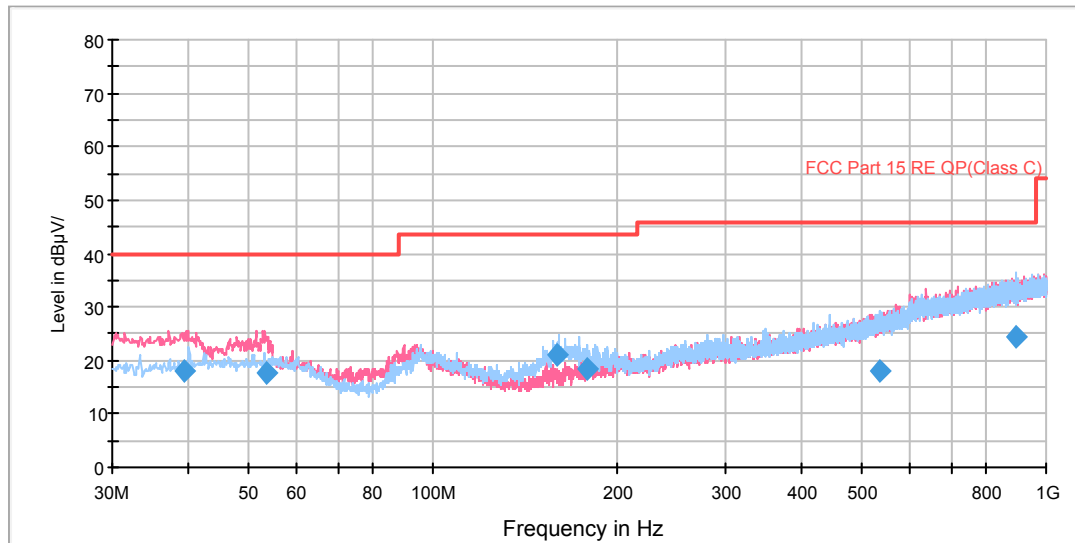
Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18382.500000	20.2	V	174.0	25.0	-4.8	33.8	54
19486.437500	15.8	V	234.0	23.5	-7.7	38.2	54
21641.187500	14.3	V	283.0	23.4	-9.1	39.7	54
23253.000000	15.4	H	253.0	22.9	-7.5	38.6	54
24712.875000	16.2	V	200.0	22.7	-6.5	37.8	54
25228.187500	17.9	H	134.0	23.8	-5.9	36.1	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



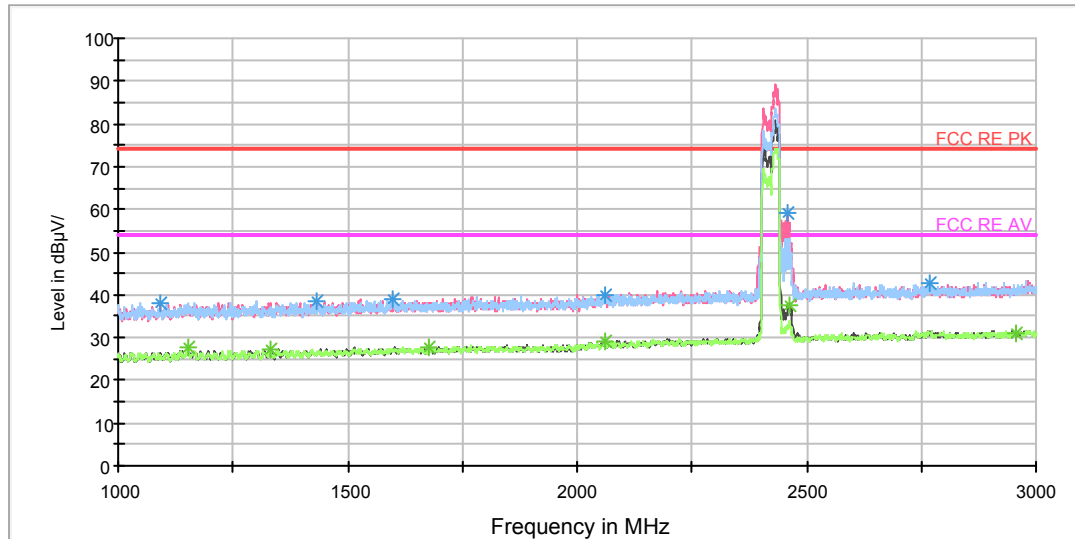
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
39.380000	18.0	100.0	V	226.0	31.0	-13.0	22.0	40.0
53.407500	17.7	100.0	V	224.0	30.5	-12.8	22.3	40.0
159.942500	21.0	125.0	H	263.0	30.7	-9.7	22.5	43.5
178.936250	18.4	125.0	H	251.0	29.2	-10.8	25.1	43.5
536.900000	18.0	100.0	H	248.0	38.7	-20.7	28.0	46.0
892.416250	24.4	125.0	H	16.0	49.9	-25.5	21.6	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



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

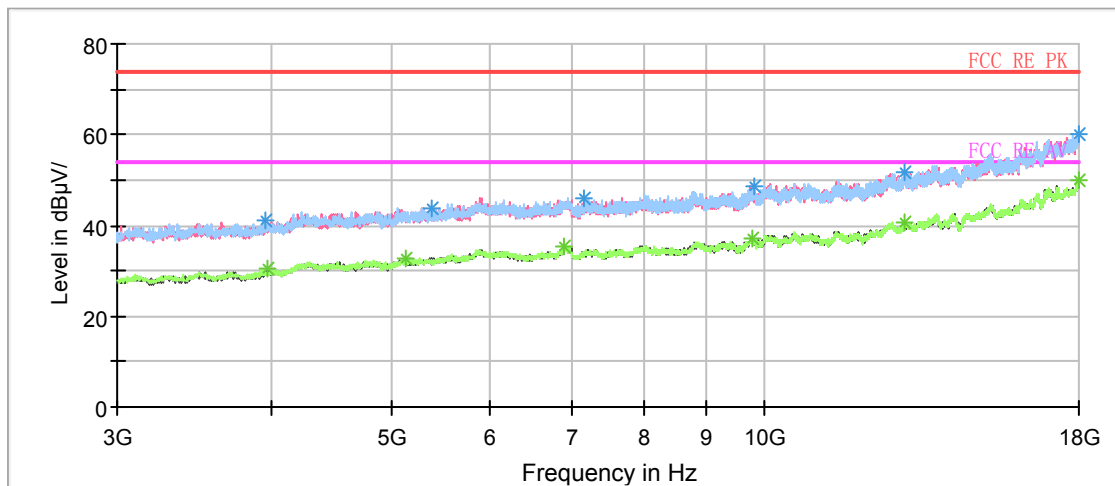
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1151.500000	36.0	100.0	V	293.0	46.8	-10.8	38.0	74
1333.000000	36.6	100.0	H	34.0	46.6	-10.0	37.4	74
1676.000000	36.7	100.0	H	333.0	45.5	-8.8	37.3	74
2059.500000	38.2	100.0	V	356.0	45.6	-7.4	35.8	74
2464.500000	55.9	100.0	V	166.0	61.1	-5.2	18.1	74
2956.000000	41.5	100.0	H	8.0	45.6	-4.1	32.5	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)
1091.000000	26.1	100.0	V	123.0	37.1	-11.0	27.9	54
1433.500000	26.1	100.0	H	193.0	35.8	-9.7	27.9	54
1599.000000	27.0	100.0	H	150.0	36.0	-9.0	27.0	54
2059.000000	28.3	100.0	V	354.0	35.7	-7.4	25.7	54
2458.000000	36.5	100.0	V	166.0	41.8	-5.3	17.5	54
2769.000000	31.0	100.0	V	333.0	35.3	-4.3	23.0	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

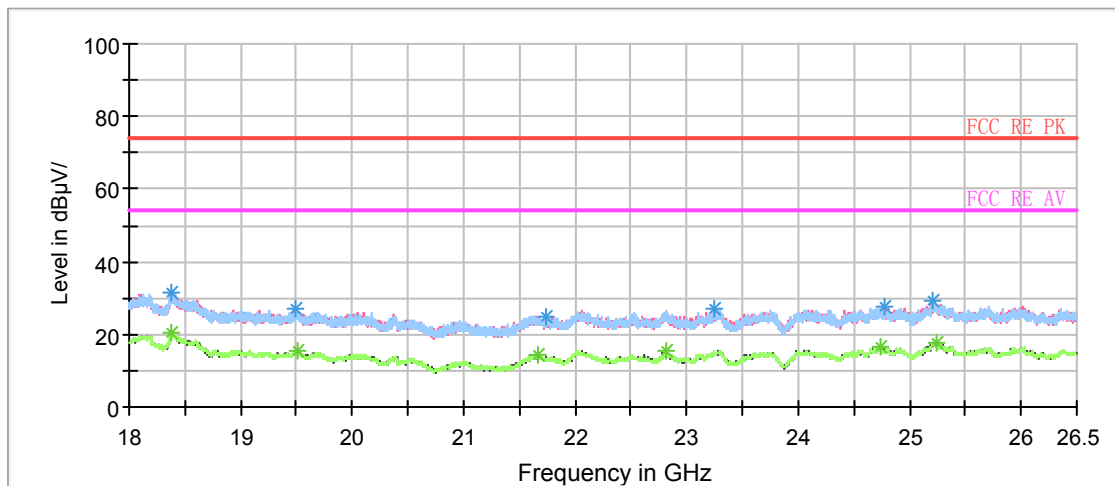
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3971.250000	39.6	101.0	V	244.0	39.9	-0.3	34.4	74
5133.750000	41.7	101.0	H	152.0	45.3	-3.6	32.3	74
6900.000000	44.5	101.0	V	332.0	51.5	-7.0	29.5	74
9800.625000	46.6	101.0	H	240.0	58.9	-12.3	27.4	74
13027.500000	50.0	101.0	V	187.0	66.2	-16.2	24.0	74
17979.375000	59.4	101.0	V	244.0	84.6	-25.2	14.6	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)
3971.250000	30.4	101.0	V	244.0	30.7	-0.3	23.6	54
5133.750000	32.8	101.0	H	152.0	36.4	-3.6	21.2	54
6900.000000	35.5	101.0	V	332.0	42.5	-7.0	18.5	54
9800.625000	37.3	101.0	H	240.0	49.6	-12.3	16.7	54
13027.500000	40.6	101.0	V	187.0	56.8	-16.2	13.4	54
17979.375000	49.8	101.0	V	244.0	75.0	-25.2	4.2	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)
18380.375000	29.5	H	54.0	34.3	-4.8	44.5	74
19515.125000	24.4	V	135.0	31.9	-7.5	49.6	74
21666.687500	24.0	H	0.0	33.3	-9.3	50.0	74
22809.937500	24.0	V	337.0	31.4	-7.4	50.0	74
24744.750000	25.6	H	86.0	32.2	-6.6	48.4	74
25234.562500	27.8	V	270.0	33.8	-6.0	46.2	74

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

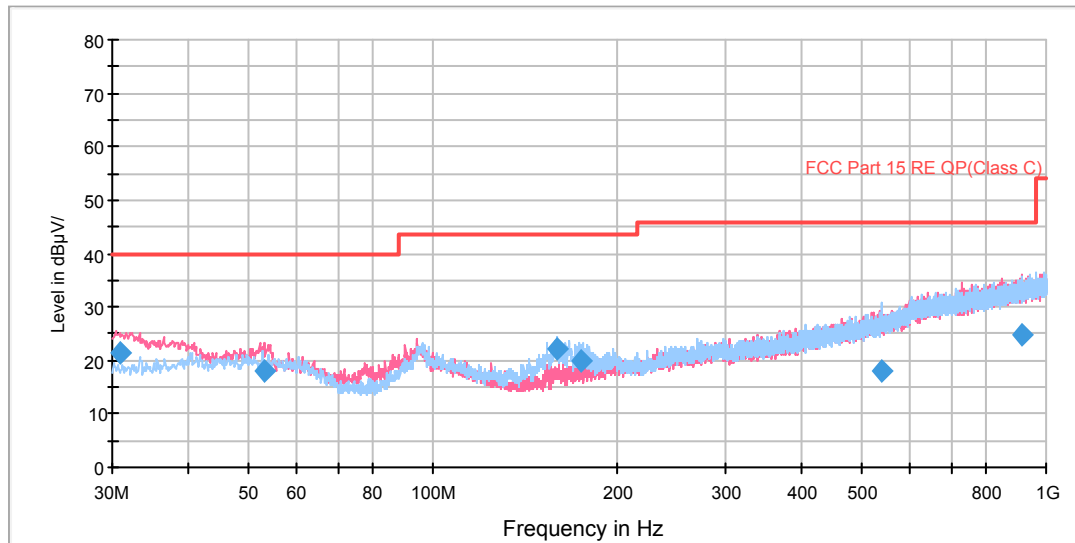
Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18380.375000	20.4	H	54.0	25.2	-4.8	33.6	54
19515.125000	15.7	V	135.0	23.2	-7.5	38.3	54
21666.687500	14.2	H	0.0	23.5	-9.3	39.8	54
22809.937500	15.7	V	337.0	23.1	-7.4	38.3	54
24744.750000	16.3	H	86.0	22.9	-6.6	37.7	54
25234.562500	17.9	V	270.0	23.9	-6.0	36.1	54

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



802.11n (HT40) CH6

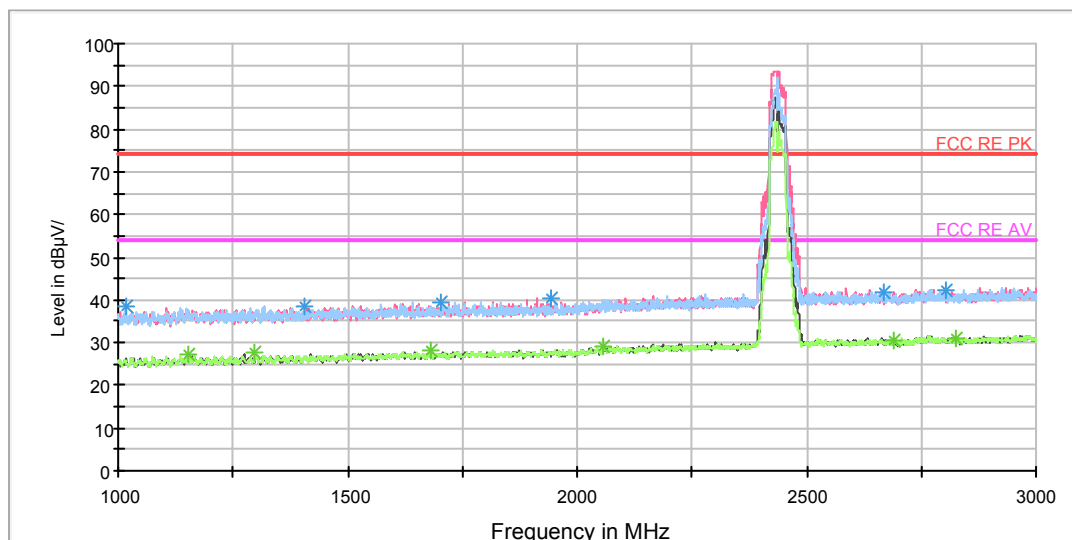
FCC RE 0.03-1GHz QP Class C



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)
30.880000	21.3	100.0	V	296.0	33.2	11.9	18.7	40.0
53.326250	18.0	100.0	V	229.0	30.8	12.8	22.0	40.0
158.895000	22.1	125.0	H	275.0	31.7	9.6	21.4	43.5
174.697500	20.1	125.0	H	251.0	30.6	10.5	23.4	43.5
539.296250	18.1	125.0	H	22.0	38.9	20.8	27.9	46.0
915.616250	24.6	125.0	V	178.0	50.4	25.8	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**



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

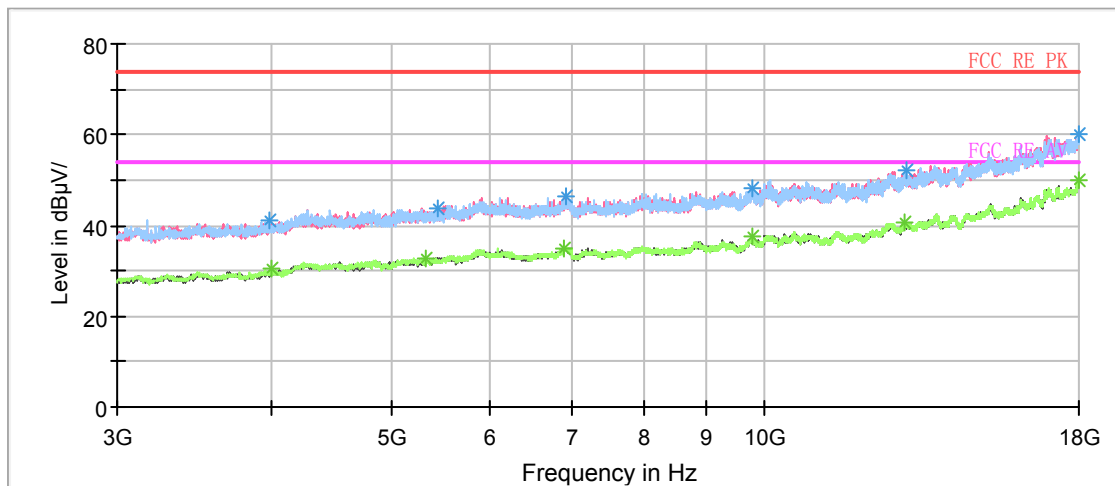
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1151.500000	36.7	100.0	V	231.0	47.5	-10.8	37.3	74
1299.000000	37.0	100.0	H	86.0	47.1	-10.1	37.0	74
1680.000000	36.7	100.0	H	139.0	45.5	-8.8	37.3	74
2058.000000	38.9	100.0	V	146.0	46.3	-7.4	35.1	74
2689.000000	40.9	100.0	V	355.0	45.5	-4.6	33.1	74
2826.500000	40.7	100.0	V	103.0	44.9	-4.2	33.3	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)
1015.500000	25.9	100.0	H	183.0	37.2	-11.3	28.1	54
1407.500000	26.6	100.0	V	315.0	36.4	-9.8	27.4	54
1702.000000	27.0	100.0	H	246.0	35.7	-8.7	27.0	54
1943.500000	27.1	100.0	H	49.0	35.1	-8.0	26.9	54
2667.500000	30.1	100.0	H	21.0	34.7	-4.6	23.9	54
2802.500000	30.7	100.0	H	70.0	34.8	-4.1	23.3	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

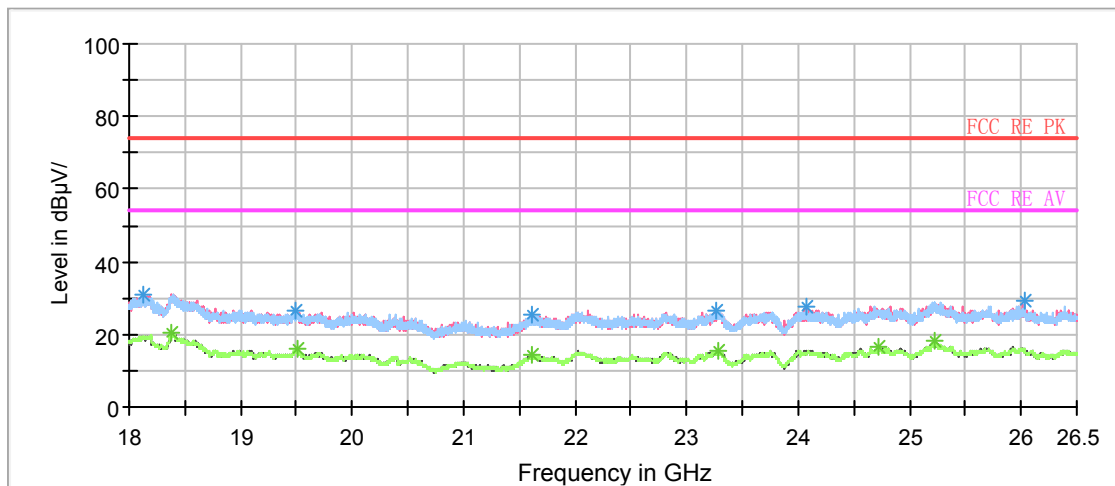
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4001.250000	39.8	101.0	H	0.0	40.3	-0.5	34.2	74
5334.375000	41.5	101.0	V	294.0	45.3	-3.8	32.5	74
6909.375000	44.9	101.0	H	151.0	51.8	-6.9	29.1	74
9810.000000	47.0	101.0	H	0.0	59.2	-12.2	27.0	74
12993.750000	50.7	101.0	H	123.0	66.9	-16.2	23.3	74
17994.375000	59.2	101.0	V	320.0	84.5	-25.3	14.8	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)
4001.250000	30.3	101.0	H	0.0	30.8	-0.5	23.7	54
5334.375000	32.8	101.0	V	294.0	36.6	-3.8	21.2	54
6909.375000	35.0	101.0	H	151.0	41.9	-6.9	19.0	54
9810.000000	37.4	101.0	H	0.0	49.6	-12.2	16.6	54
12993.750000	40.6	101.0	H	123.0	56.8	-16.2	13.4	54
17994.375000	50.1	101.0	V	320.0	75.4	-25.3	3.9	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)
18380.375000	30.6	H	104.0	35.4	-4.8	43.4	74
19515.125000	25.3	V	274.0	32.8	-7.5	48.7	74
21614.625000	23.1	H	104.0	32.0	-8.9	50.9	74
23279.562500	24.3	V	333.0	31.4	-7.1	49.7	74
24724.562500	25.5	H	0.0	31.7	-6.2	48.5	74
25230.312500	27.8	H	165.0	33.7	-5.9	46.2	74

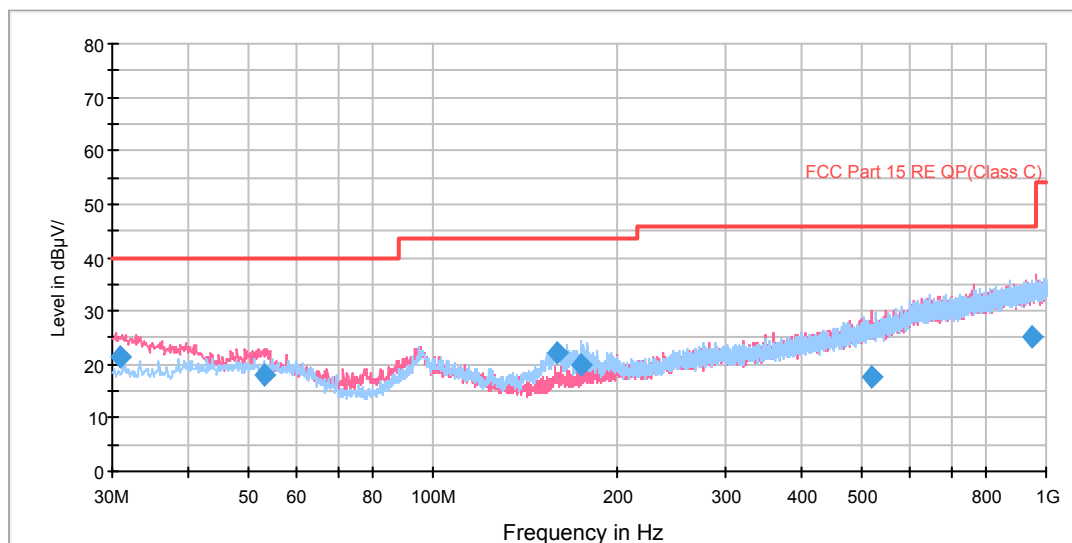
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18380.375000	20.3	H	104.0	25.1	-4.8	33.7	54
19515.125000	15.8	V	274.0	23.3	-7.5	38.2	54
21614.625000	14.3	H	104.0	23.2	-8.9	39.7	54
23279.562500	15.4	V	333.0	22.5	-7.1	38.6	54
24724.562500	16.5	H	0.0	22.7	-6.2	37.5	54
25230.312500	18.1	H	165.0	24.0	-5.9	35.9	54

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

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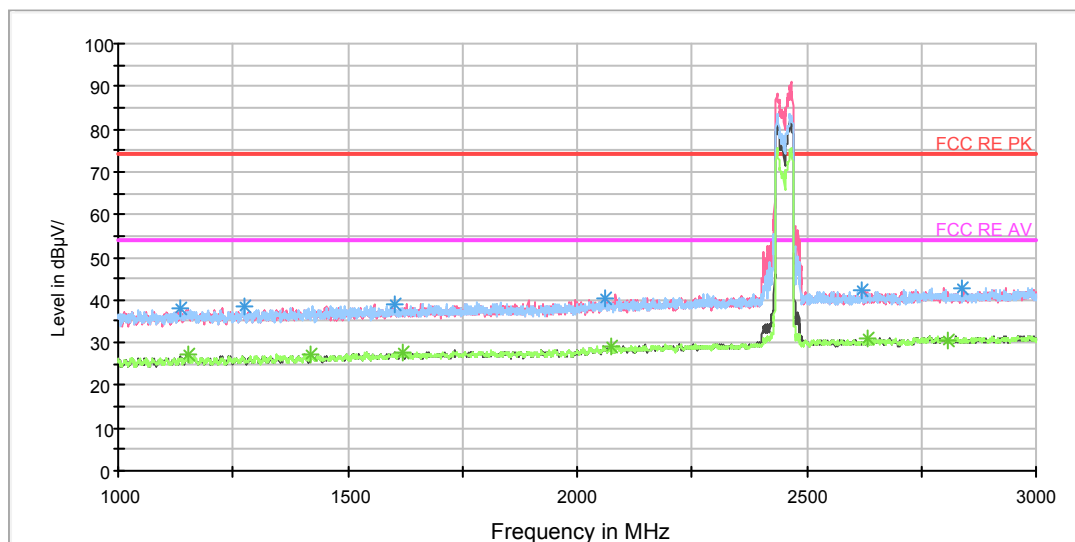
FCC RE 0.03-1GHz QP Class C



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)
30.880000	21.4	100.0	V	260.0	33.3	11.9	18.6	40.0
53.286250	17.9	100.0	V	232.0	30.7	12.8	22.1	40.0
159.580000	22.3	125.0	H	268.0	32.0	9.7	21.2	43.5
175.130000	20.1	125.0	H	253.0	30.7	10.6	23.4	43.5
519.813750	17.6	125.0	V	88.0	37.9	20.3	28.4	46.0
951.262500	25.0	100.0	H	322.0	51.0	26.0	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



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

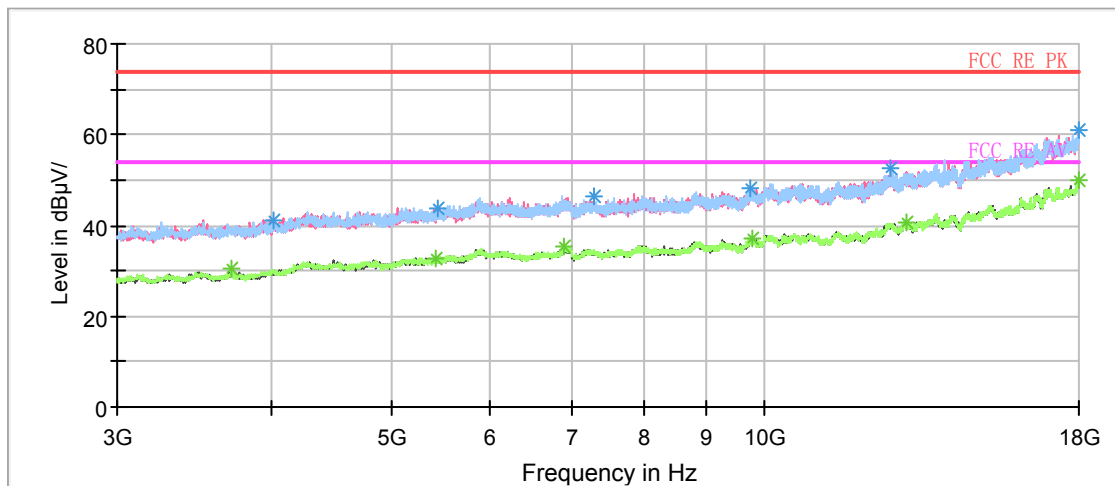
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1153.500000	37.2	100.0	H	9.0	48.0	-10.8	36.8	74
1421.000000	37.2	100.0	V	349.0	47.0	-9.8	36.8	74
1619.000000	38.0	100.0	V	297.0	46.9	-8.9	36.0	74
2073.500000	38.4	100.0	V	113.0	45.7	-7.3	35.6	74
2632.500000	40.1	100.0	V	223.0	44.7	-4.6	33.9	74
2808.500000	40.3	100.0	H	13.0	44.4	-4.1	33.7	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)
1135.500000	26.2	100.0	V	0.0	37.1	-10.9	27.8	54
1274.500000	26.1	100.0	H	152.0	36.4	-10.3	27.9	54
1603.500000	27.0	100.0	H	2.0	36.0	-9.0	27.0	54
2060.000000	28.3	100.0	V	191.0	35.7	-7.4	25.7	54
2618.500000	30.0	100.0	V	0.0	34.6	-4.6	24.0	54
2839.000000	30.4	100.0	H	120.0	34.6	-4.2	23.6	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

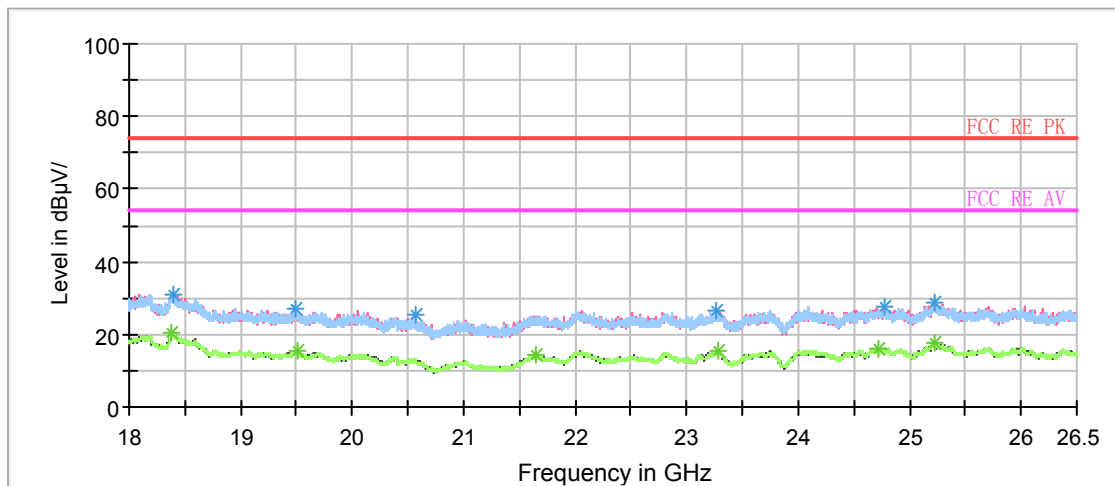
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3718.125000	38.3	101.0	H	7.0	38.6	-0.3	35.7	74
5439.375000	42.1	101.0	V	0.0	45.9	-3.8	31.9	74
6905.625000	44.8	101.0	V	183.0	51.7	-6.9	29.2	74
9811.875000	46.6	101.0	H	0.0	58.8	-12.2	27.4	74
13040.625000	49.6	101.0	H	7.0	65.8	-16.2	24.4	74
17975.625000	58.5	101.0	V	284.0	83.6	-25.1	15.5	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)
3718.125000	30.4	101.0	H	7.0	30.7	-0.3	23.6	54
5439.375000	32.8	101.0	V	0.0	36.6	-3.8	21.2	54
6905.625000	35.2	101.0	V	183.0	42.1	-6.9	18.8	54
9811.875000	37.2	101.0	H	0.0	49.4	-12.2	16.8	54
13040.625000	40.7	101.0	H	7.0	56.9	-16.2	13.3	54
17975.625000	49.9	101.0	V	284.0	75.0	-25.1	4.1	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)
18384.625000	29.1	V	129.0	33.9	-4.8	44.9	74
19504.500000	25.0	H	287.0	32.5	-7.5	49.0	74
21652.875000	24.3	H	18.0	33.5	-9.2	49.7	74
23288.062500	24.1	H	201.0	31.2	-7.1	49.9	74
24718.187500	25.1	V	273.0	31.5	-6.4	48.9	74
25223.937500	27.7	H	0.0	33.6	-5.9	46.3	74

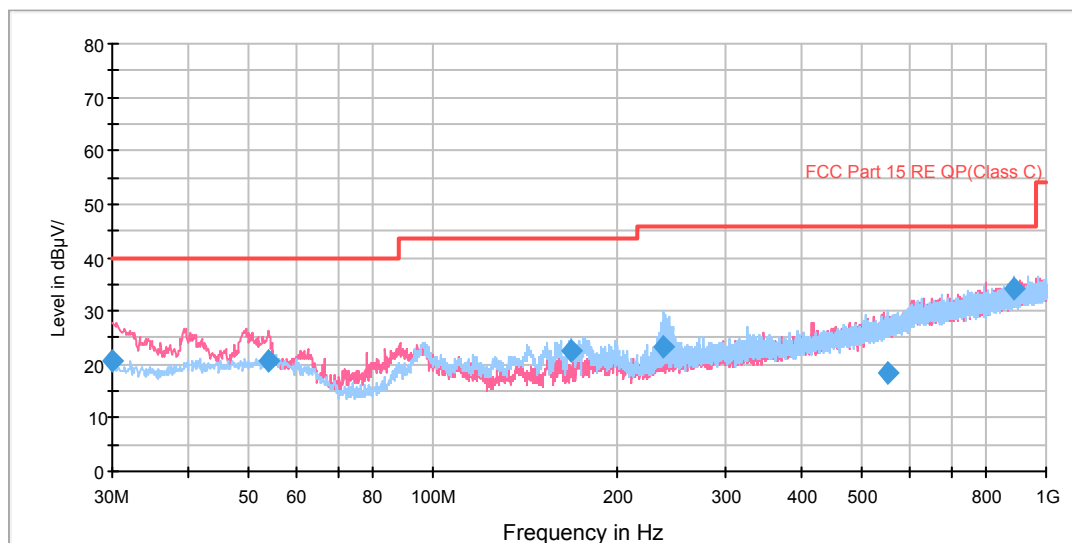
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18384.625000	20.6	V	129.0	25.4	-4.8	33.4	54
19504.500000	15.6	H	287.0	23.1	-7.5	38.4	54
21652.875000	14.2	H	18.0	23.4	-9.2	39.8	54
23288.062500	15.4	H	201.0	22.5	-7.1	38.6	54
24718.187500	16.2	V	273.0	22.6	-6.4	37.8	54
25223.937500	17.9	H	0.0	23.8	-5.9	36.1	54

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

BLE-Channel 0

FCC RE 0.03-1GHz QP Class C



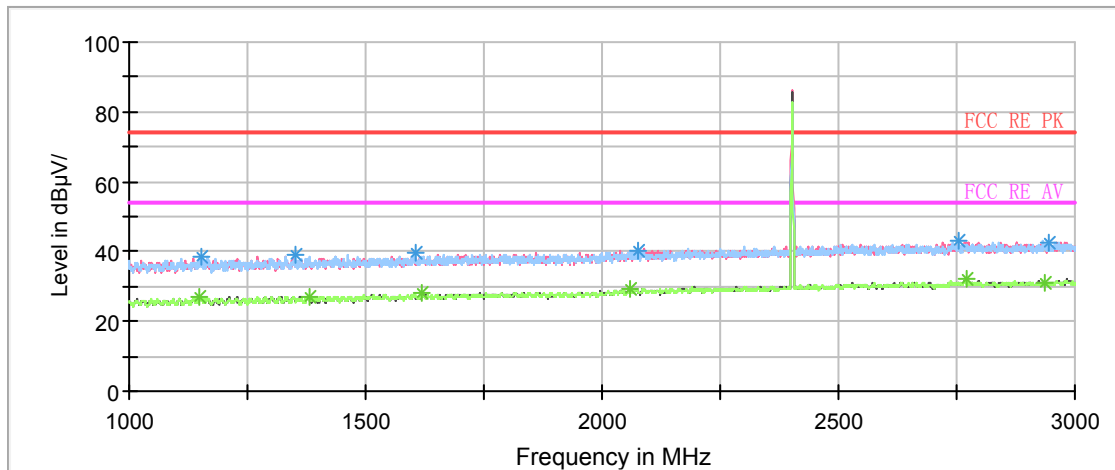
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
30.000000	20.7	100.0	V	266.0	32.6	-11.9	19.3	40.0
53.846250	20.6	100.0	V	270.0	33.4	-12.8	19.4	40.0
168.018750	22.6	125.0	H	280.0	32.8	-10.2	20.9	43.5
238.308750	23.3	125.0	H	98.0	37.0	-13.7	22.7	46.0
553.672500	18.5	114.0	H	262.0	39.7	-21.2	27.5	46.0
888.006250	34.1	100.0	H	26.0	59.6	-25.5	11.9	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



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

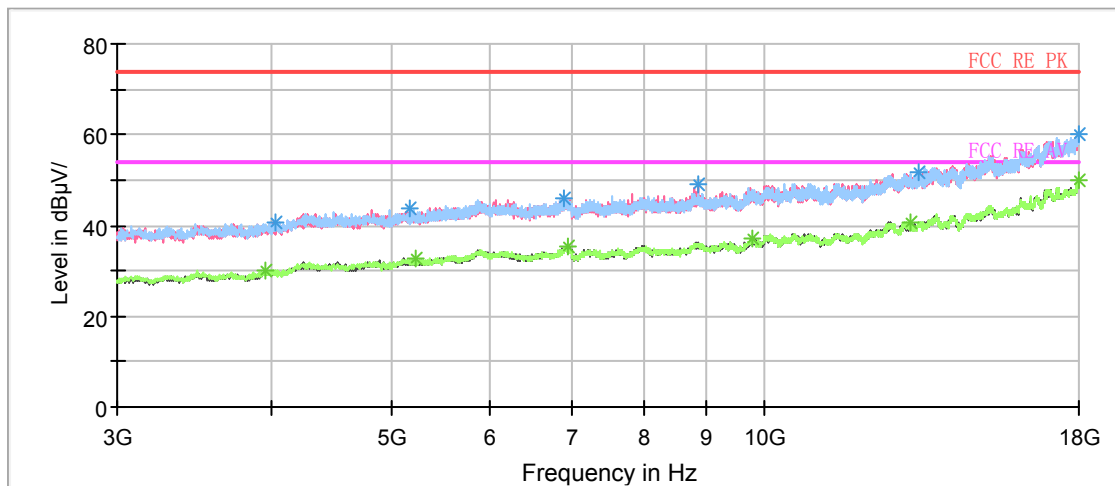
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1150.000000	36.7	100.0	V	252.0	47.5	-10.8	37.3	74
1379.500000	36.1	100.0	H	192.0	46.0	-9.9	37.9	74
1619.000000	36.6	100.0	H	75.0	45.5	-8.9	37.4	74
2057.500000	39.5	100.0	H	3.0	46.9	-7.4	34.5	74
2769.500000	41.6	100.0	H	5.0	45.9	-4.3	32.4	74
2936.500000	41.8	100.0	V	355.0	45.9	-4.1	32.2	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)
1152.500000	26.3	100.0	H	53.0	37.1	-10.8	27.7	54
1350.000000	26.6	100.0	H	0.0	36.6	-10.0	27.4	54
1604.000000	27.8	100.0	H	7.0	36.8	-9.0	26.2	54
2075.500000	28.3	100.0	V	167.0	35.6	-7.3	25.7	54
2754.000000	30.9	100.0	H	0.0	35.2	-4.3	23.1	54
2943.000000	30.8	100.0	H	159.0	34.9	-4.1	23.2	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

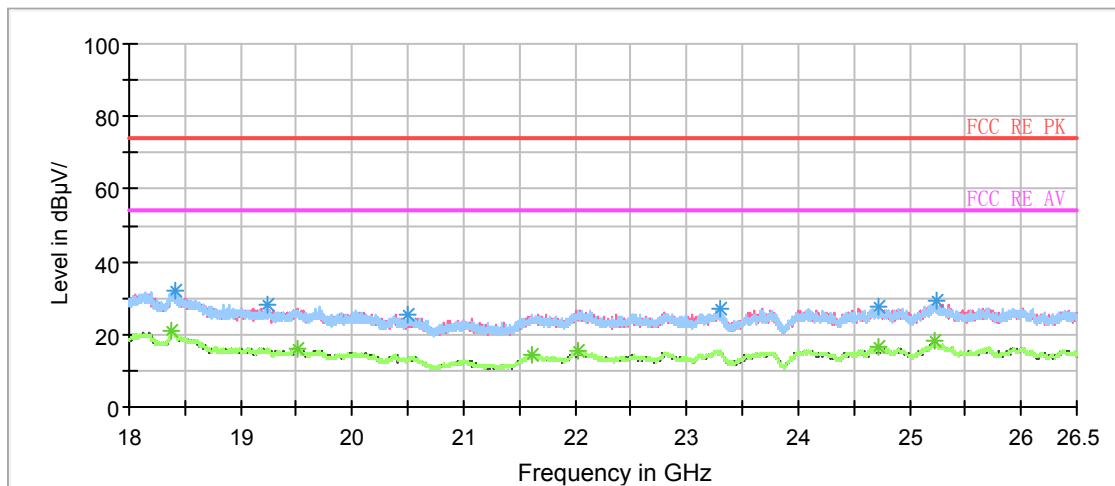
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4023.750000	40.8	101.0	H	330.0	41.4	-0.6	33.2	74
5175.000000	43.9	101.0	H	65.0	47.5	-3.6	30.1	74
6901.875000	45.9	101.0	H	0.0	52.9	-7.0	28.1	74
8842.500000	48.9	101.0	V	0.0	58.7	-9.8	25.1	74
13351.875000	51.6	101.0	V	0.0	67.4	-15.8	22.4	74
17979.375000	60.2	101.0	V	257.0	85.4	-25.2	13.8	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)
3956.250000	30.1	101.0	H	176.0	30.3	-0.2	23.9	54
5231.250000	32.6	101.0	V	151.0	36.3	-3.7	21.4	54
6946.875000	35.2	101.0	H	65.0	41.9	-6.7	18.8	54
9808.125000	37.2	101.0	V	329.0	49.4	-12.2	16.8	54
13151.250000	40.6	101.0	V	329.0	56.2	-15.6	13.4	54
18000.000000	49.8	101.0	H	0.0	75.2	-25.4	4.2	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)
18404.812500	31.8	V	273.0	36.8	-5.0	42.2	74
19232.500000	28.0	H	239.0	34.8	-6.8	46.0	74
20501.125000	25.7	H	86.0	33.8	-8.1	48.3	74
23294.437500	27.3	H	111.0	34.3	-7.0	46.7	74
24716.062500	27.6	H	128.0	34.0	-6.4	46.4	74
25237.750000	29.4	H	257.0	35.5	-6.1	44.6	74

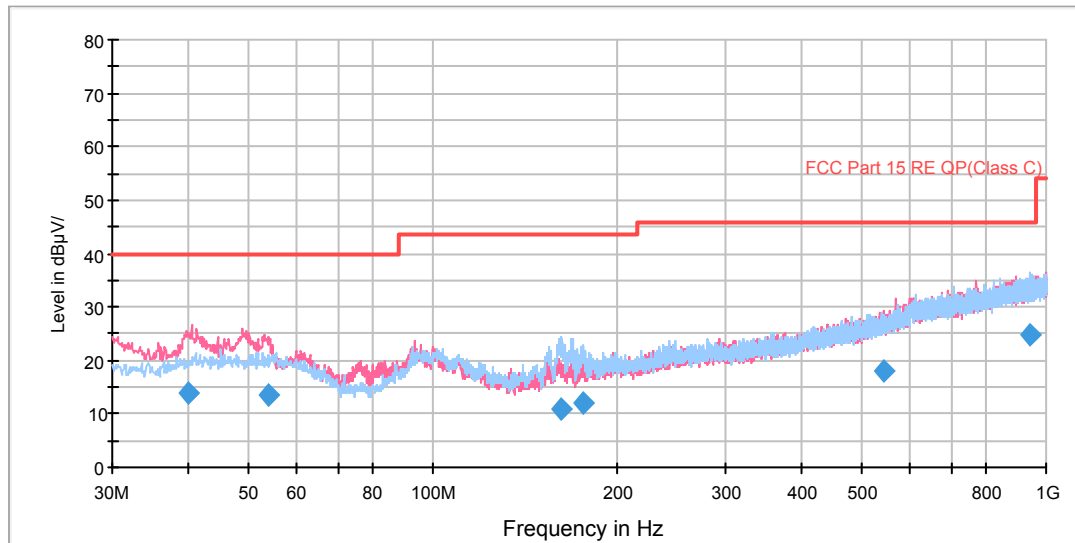
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18384.625000	21.1	V	313.0	25.9	-4.8	32.9	54
19501.312500	16.3	V	330.0	23.8	-7.5	37.7	54
21606.125000	14.6	H	101.0	23.4	-8.8	39.4	54
22023.687500	15.6	V	248.0	23.6	-8.0	38.4	54
24721.375000	16.4	V	129.0	22.7	-6.3	37.6	54
25222.875000	18.0	H	20.0	23.9	-5.9	36.0	54

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

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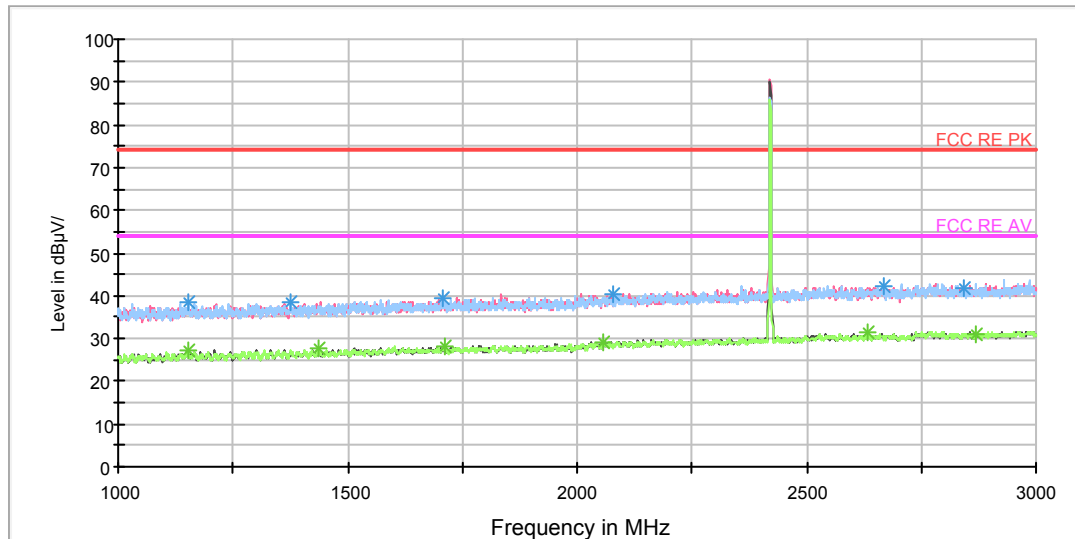
FCC RE 0.03-1GHz QP Class C



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)
40.067500	13.8	100.0	V	300.0	27.0	13.2	26.2	40.0
53.927500	13.6	100.0	V	278.0	26.4	12.8	26.4	40.0
162.045000	10.8	125.0	H	286.0	20.6	9.8	32.7	43.5
175.817500	11.9	125.0	H	281.0	22.5	10.6	31.6	43.5
543.328750	18.2	118.0	V	210.0	39.1	20.9	27.8	46.0
939.291250	24.9	100.0	H	120.0	50.8	25.9	21.1	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



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

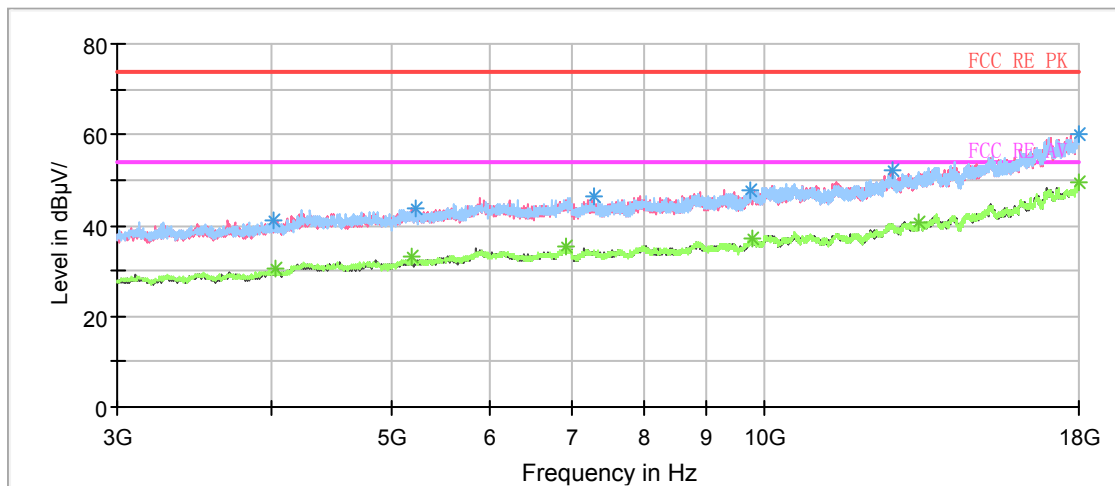
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1151.500000	36.8	100.0	H	0.0	47.6	-10.8	37.2	74
1437.000000	36.6	100.0	H	5.0	46.3	-9.7	37.4	74
1712.000000	37.1	100.0	H	5.0	45.8	-8.7	36.9	74
2058.000000	39.5	100.0	V	257.0	46.9	-7.4	34.5	74
2633.500000	40.1	100.0	V	39.0	44.7	-4.6	33.9	74
2868.500000	40.5	100.0	V	300.0	44.7	-4.2	33.5	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)
1153.500000	26.9	100.0	H	43.0	37.7	-10.8	27.1	54
1376.500000	27.2	100.0	H	139.0	37.1	-9.9	26.8	54
1706.000000	27.4	100.0	V	321.0	36.1	-8.7	26.6	54
2078.000000	28.5	100.0	H	128.0	35.8	-7.3	25.5	54
2666.000000	30.3	100.0	H	0.0	34.9	-4.6	23.7	54
2843.500000	30.6	100.0	V	225.0	34.8	-4.2	23.4	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

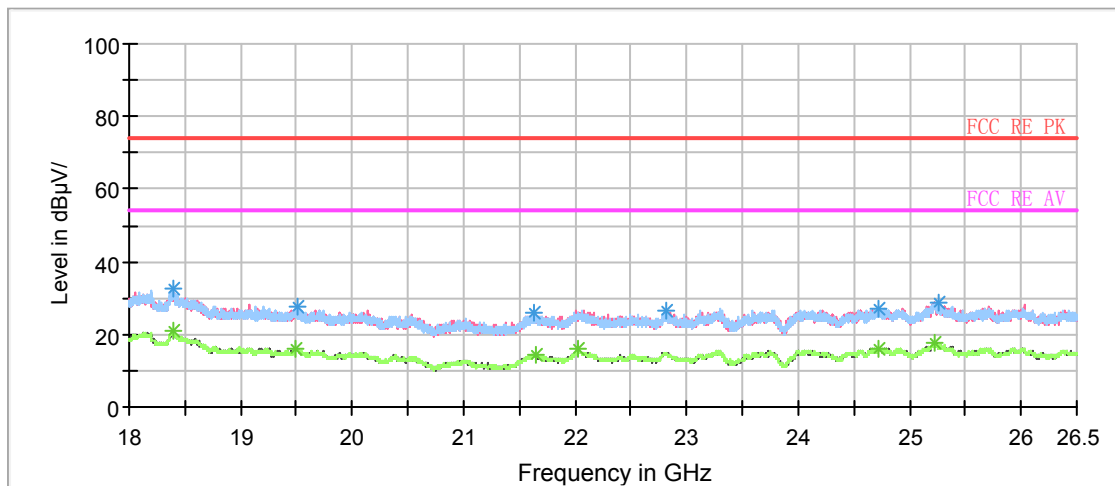
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4020.000000	41.3	101.0	V	153.0	41.8	-0.5	32.7	74
5229.375000	43.5	101.0	V	283.0	47.2	-3.7	30.5	74
7305.000000	46.3	101.0	H	76.0	54.9	-8.6	27.7	74
9755.625000	47.7	101.0	V	312.0	59.4	-11.7	26.3	74
12729.375000	52.3	101.0	V	168.0	67.4	-15.1	21.7	74
17996.250000	60.2	101.0	V	312.0	85.6	-25.4	13.8	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)
4027.500000	30.3	101.0	H	106.0	30.9	-0.6	23.7	54
5197.500000	33.0	101.0	H	18.0	36.6	-3.6	21.0	54
6926.250000	35.2	101.0	H	47.0	42.0	-6.8	18.8	54
9808.125000	37.1	101.0	V	168.0	49.3	-12.2	16.9	54
13350.000000	40.8	101.0	V	0.0	56.6	-15.8	13.2	54
17985.000000	49.6	101.0	H	47.0	74.8	-25.2	4.4	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)
18392.062500	32.4	H	172.0	37.3	-4.9	41.6	74
19515.125000	27.4	H	0.0	34.9	-7.5	46.6	74
21636.937500	26.1	H	99.0	35.2	-9.1	47.9	74
22808.875000	26.7	H	67.0	34.1	-7.4	47.3	74
24725.625000	27.3	H	122.0	33.5	-6.2	46.7	74
25255.812500	28.8	V	149.0	35.6	-6.8	45.2	74

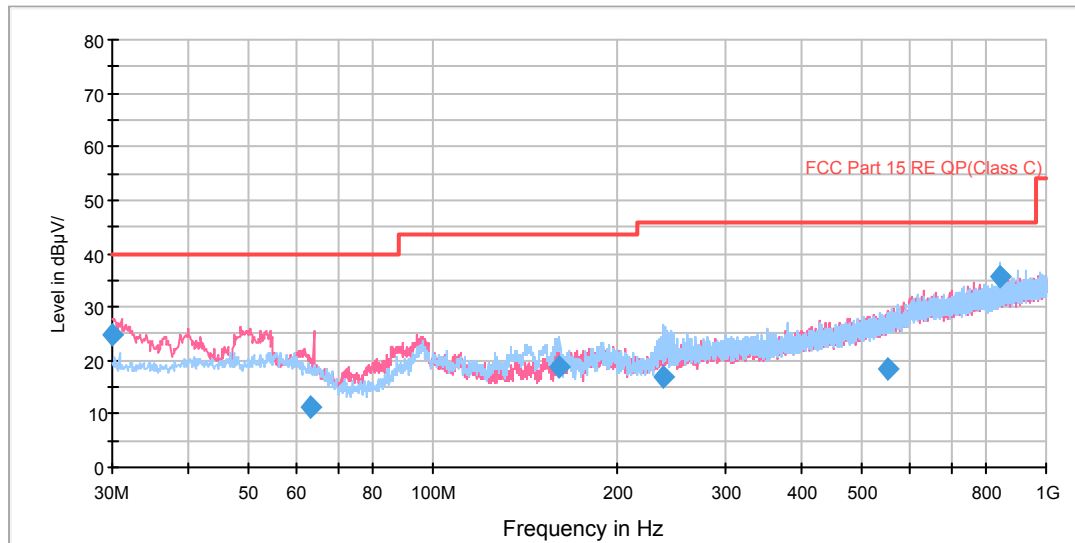
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18387.812500	21.0	H	238.0	25.9	-4.9	33.0	54
19484.312500	16.1	H	9.0	23.8	-7.7	37.9	54
21650.750000	14.4	V	174.0	23.6	-9.2	39.6	54
22027.937500	15.8	H	50.0	23.7	-7.9	38.2	54
24718.187500	16.3	V	70.0	22.7	-6.4	37.7	54
25231.375000	17.7	H	180.0	23.6	-5.9	36.3	54

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

BLE-Channel 39

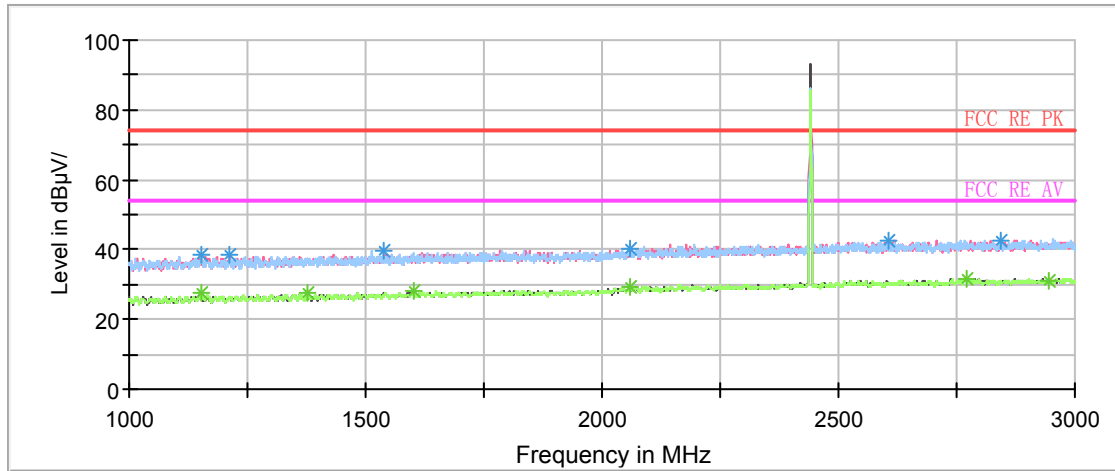
FCC RE 0.03-1GHz QP Class C



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)
30.040000	24.8	100.0	V	233.0	36.7	-11.9	15.2	40.0
63.350000	11.5	100.0	V	233.0	22.6	-11.1	28.5	40.0
160.986250	19.0	125.0	H	345.0	28.8	-9.8	24.5	43.5
237.298750	17.0	125.0	H	98.0	30.6	-13.6	29.0	46.0
551.693750	18.4	100.0	V	128.0	39.4	-21.0	27.6	46.0
839.991250	35.5	100.0	H	33.0	60.3	-24.8	10.5	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



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

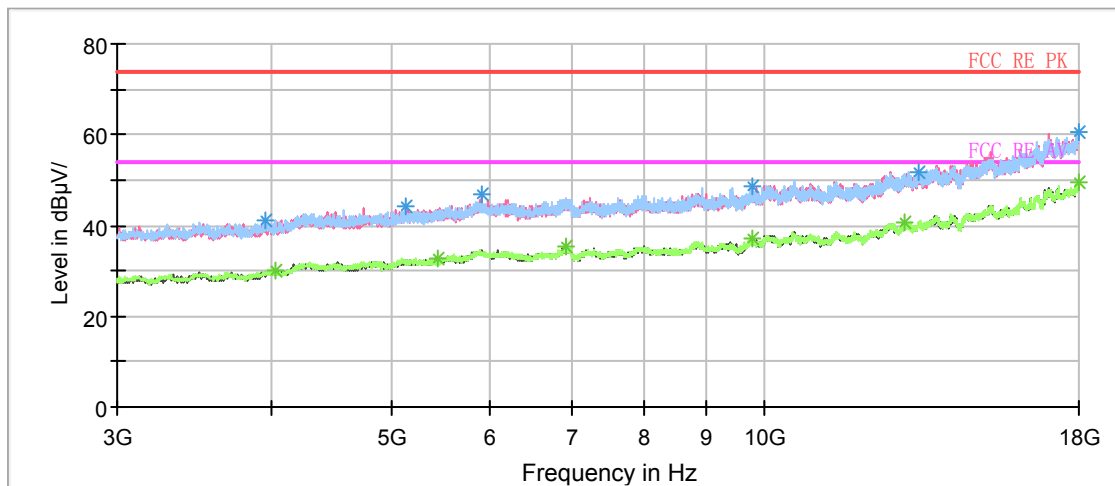
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1151.500000	37.9	100.0	V	355.0	48.7	-10.8	36.1	74
1377.000000	36.7	100.0	V	357.0	46.6	-9.9	37.3	74
1600.500000	37.0	100.0	V	254.0	46.0	-9.0	37.0	74
2058.500000	38.6	100.0	V	0.0	46.0	-7.4	35.4	74
2769.500000	41.1	100.0	V	137.0	45.4	-4.3	32.9	74
2945.500000	40.3	100.0	V	355.0	44.4	-4.1	33.7	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)
1153.500000	26.8	100.0	H	92.0	37.6	-10.8	27.2	54
1213.500000	26.1	100.0	V	265.0	36.7	-10.6	27.9	54
1538.000000	26.9	100.0	H	49.0	36.2	-9.3	27.1	54
2061.000000	28.5	100.0	V	344.0	35.9	-7.4	25.5	54
2605.000000	30.7	100.0	H	38.0	35.3	-4.6	23.3	54
2844.500000	30.8	100.0	H	1.0	35.0	-4.2	23.2	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

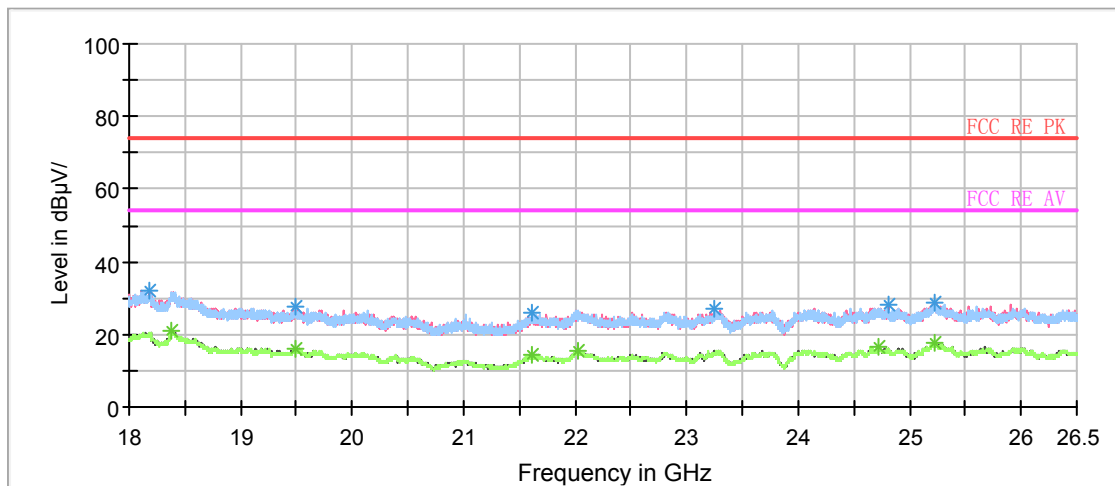
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3948.750000	41.2	101.0	H	32.0	41.3	-0.1	32.8	74
5126.250000	44.3	101.0	H	131.0	47.9	-3.6	29.7	74
5925.000000	46.7	101.0	V	198.0	52.8	-6.1	27.3	74
9796.875000	48.4	101.0	V	0.0	60.6	-12.2	25.6	74
13338.750000	51.7	101.0	H	87.0	67.4	-15.7	22.3	74
17981.250000	60.5	101.0	V	61.0	85.7	-25.2	13.5	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)
4021.875000	30.0	101.0	H	145.0	30.5	-0.5	24.0	54
5448.750000	32.9	101.0	H	0.0	36.7	-3.8	21.1	54
6920.625000	35.2	101.0	V	0.0	42.1	-6.9	18.8	54
9800.625000	37.3	101.0	H	87.0	49.6	-12.3	16.7	54
13006.875000	40.8	101.0	H	200.0	57.0	-16.2	13.2	54
17996.250000	49.6	101.0	V	240.0	75.0	-25.4	4.4	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)
18187.000000	32.0	V	275.0	36.9	-4.9	42.0	74
19484.312500	27.9	H	264.0	35.6	-7.7	46.1	74
21612.500000	25.8	H	1.0	34.7	-8.9	48.2	74
23256.187500	27.0	V	17.0	34.4	-7.4	47.0	74
24814.875000	28.3	V	150.0	35.2	-6.9	45.7	74
25232.437500	28.8	H	180.0	34.7	-5.9	45.2	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)
18381.437500	21.1	H	113.0	25.9	-4.8	32.9	54
19493.875000	16.2	H	1.0	23.8	-7.6	37.8	54
21608.250000	14.6	H	68.0	23.4	-8.8	39.4	54
22027.937500	15.6	V	80.0	23.5	-7.9	38.4	54
24721.375000	16.4	V	72.0	22.7	-6.3	37.6	54
25222.875000	17.8	H	43.0	23.7	-5.9	36.2	54

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

5.8. Conducted Emission

Ambient condition

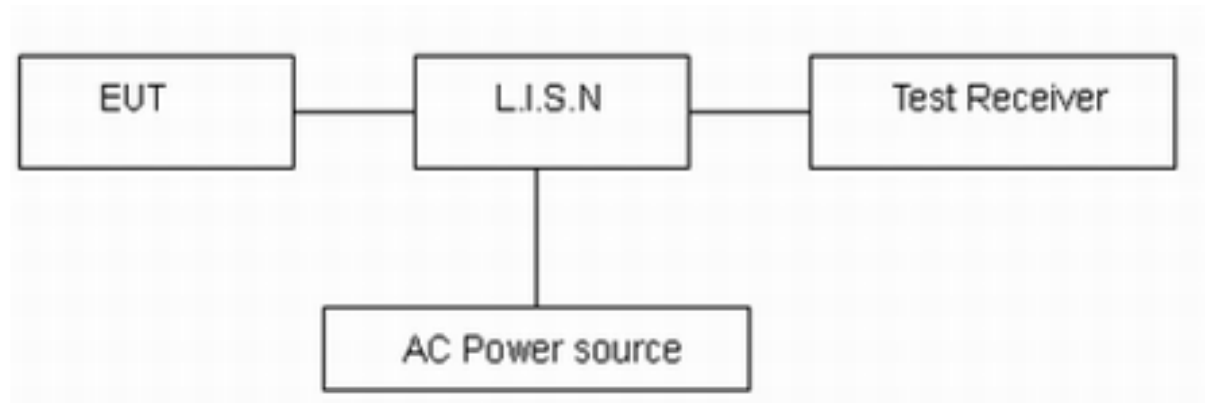
Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

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

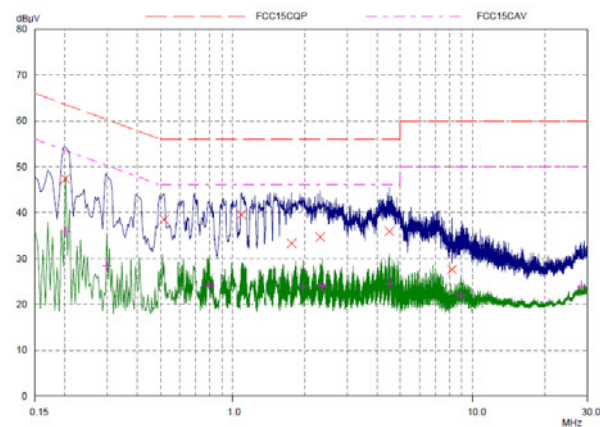
*: Decreases with the logarithm of the frequency.

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.

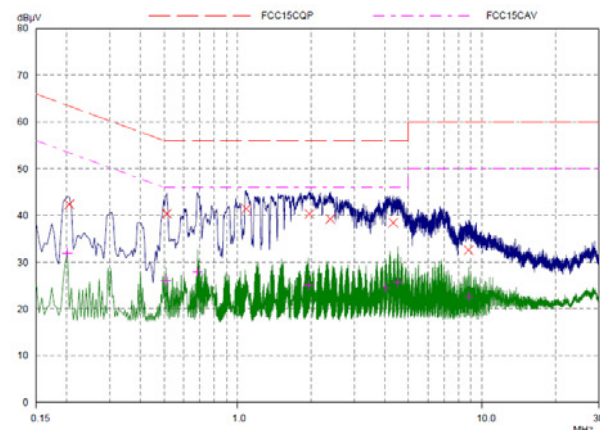
**Test Results:**

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

802.11b, Channel No.: 1 L Line**Final Measurement Results**

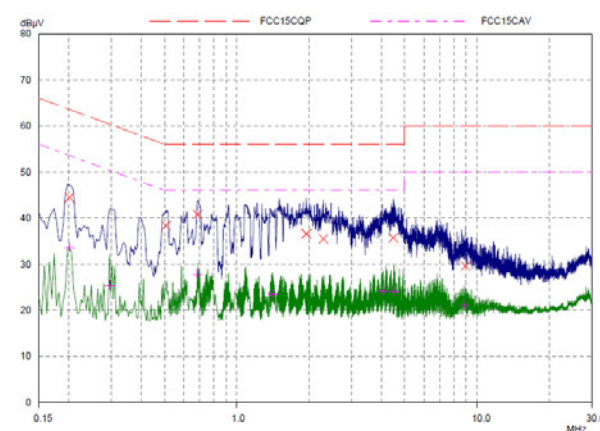
Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.20078	47.34	63.58	16.24	L1	gnd
0.51718	38.46	56.00	17.54	L1	gnd
1.0875	39.58	56.00	16.42	L1	gnd
1.75937	33.31	56.00	22.69	L1	gnd
2.31406	34.66	56.00	21.34	L1	gnd
4.49765	35.91	56.00	20.09	L1	gnd
8.20078	27.61	60.00	32.39	L1	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.20078	35.79	53.58	17.79	L1	gnd
0.29843	28.43	50.29	21.86	L1	gnd
0.79843	24.08	46.00	21.92	L1	gnd
1.9664	23.83	46.00	22.17	L1	gnd
2.36093	23.92	46.00	22.08	L1	gnd
4.49765	24.54	46.00	21.46	L1	gnd
8.91953	21.92	50.00	28.08	L1	gnd
28.36093	23.90	50.00	26.10	L1	gnd

802.11b, Channel No.: 1 N Line**Final Measurement Results**

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.20468	42.40	63.42	21.02	N	gnd
0.51327	40.38	56.00	15.62	N	gnd
1.08359	41.46	56.00	14.54	N	gnd
1.9664	40.33	56.00	15.67	N	gnd
2.39609	39.24	56.00	16.76	N	gnd
4.32968	38.45	56.00	17.55	N	gnd
8.81406	32.58	60.00	27.42	N	gnd

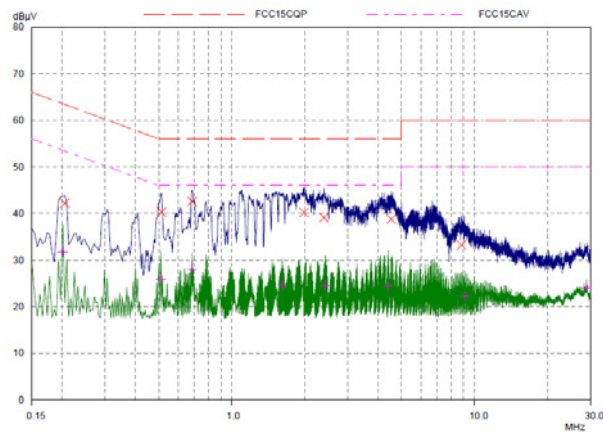
Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.20078	31.96	53.58	21.62	N	gnd
0.50937	26.06	46.00	19.94	N	gnd
0.68515	27.92	46.00	18.08	N	gnd
1.94687	25.08	46.00	20.92	N	gnd
4.04453	24.60	46.00	21.40	N	gnd
4.525	25.64	46.00	20.36	N	gnd
8.82187	22.68	50.00	27.32	N	gnd

802.11b, Channel No.: 6 L Line**Final Measurement Results**

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.20078	44.48	63.58	19.10	L1	gnd
0.50546	38.38	56.00	17.62	L1	gnd
0.68515	40.81	56.00	15.19	L1	gnd
1.94296	36.57	56.00	19.43	L1	gnd
2.29062	35.50	56.00	20.50	L1	gnd
4.47812	35.71	56.00	20.29	L1	gnd
8.94296	29.61	60.00	30.39	L1	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.20078	33.65	53.58	19.93	L1	gnd
0.29453	25.42	50.40	24.98	L1	gnd
0.68515	27.81	46.00	18.19	L1	gnd
1.40781	23.57	46.00	22.43	L1	gnd
4.06405	24.21	46.00	21.79	L1	gnd
4.51328	24.05	46.00	21.95	L1	gnd
8.85703	21.13	50.00	28.87	L1	gnd

802.11b, Channel No.: 6 N Line

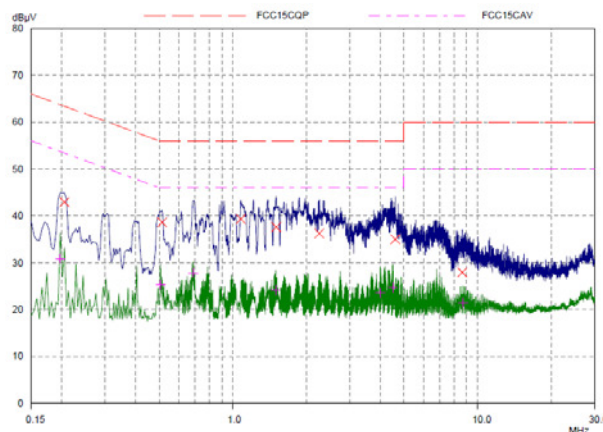


Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.20468	42.22	63.42	21.20	N	gnd
0.51327	40.32	56.00	15.68	N	gnd
0.68515	42.57	56.00	13.43	N	gnd
1.98203	40.19	56.00	15.81	N	gnd
2.39609	39.14	56.00	16.86	N	gnd
4.53281	38.77	56.00	17.23	N	gnd
8.82187	33.22	60.00	26.78	N	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.20078	31.76	53.58	21.82	N	gnd
0.50937	25.93	46.00	20.07	N	gnd
0.68515	27.97	46.00	18.03	N	gnd
1.61093	24.63	46.00	21.37	N	gnd
2.43125	24.49	46.00	21.51	N	gnd
4.40781	24.46	46.00	21.54	N	gnd
9.15781	22.24	50.00	27.76	N	gnd
28.88437	24.02	50.00	25.98	N	gnd

802.11b, Channel No.: 11 L Line

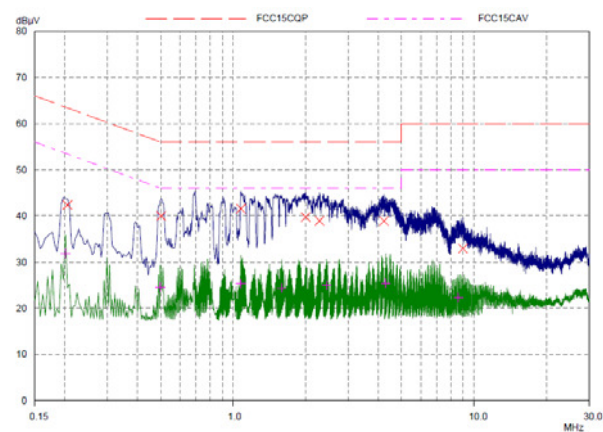


Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.20468	42.94	63.42	20.48	L1	gnd
0.51327	38.60	56.00	17.40	L1	gnd
1.07578	39.28	56.00	16.72	L1	gnd
1.50156	37.59	56.00	18.41	L1	gnd
2.25156	36.26	56.00	19.74	L1	gnd
4.60703	35.03	56.00	20.97	L1	gnd
8.64609	27.94	60.00	32.06	L1	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.19687	30.89	53.74	22.85	L1	gnd
0.50546	25.31	46.00	20.69	L1	gnd
0.68906	27.81	46.00	18.19	L1	gnd
1.49375	24.16	46.00	21.84	L1	gnd
3.99765	23.62	46.00	22.38	L1	gnd
4.50156	24.69	46.00	21.31	L1	gnd
8.70859	21.47	50.00	28.53	L1	gnd

802.11b, Channel No.: 11 N Line



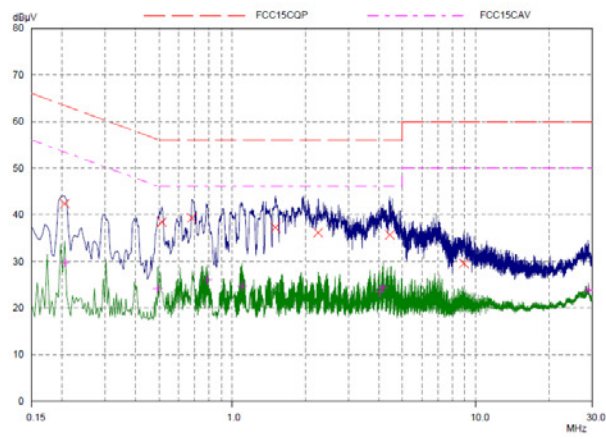
Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.20468	42.36	63.42	21.06	N	gnd
0.50156	39.96	56.00	16.04	N	gnd
1.07578	41.58	56.00	14.42	N	gnd
1.99765	39.77	56.00	16.23	N	gnd
2.2789	38.94	56.00	17.06	N	gnd
4.22812	38.90	56.00	17.10	N	gnd
8.99375	32.95	60.00	27.05	N	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.20078	31.89	53.58	21.69	N	gnd
0.49765	24.56	46.04	21.48	N	gnd
1.07578	25.29	46.00	20.71	N	gnd
1.5875	24.40	46.00	21.60	N	gnd
2.43906	24.94	46.00	21.06	N	gnd
4.29453	25.43	46.00	20.57	N	gnd
8.60703	22.33	50.00	27.67	N	gnd



802.11g, Channel No.: 1 L Line

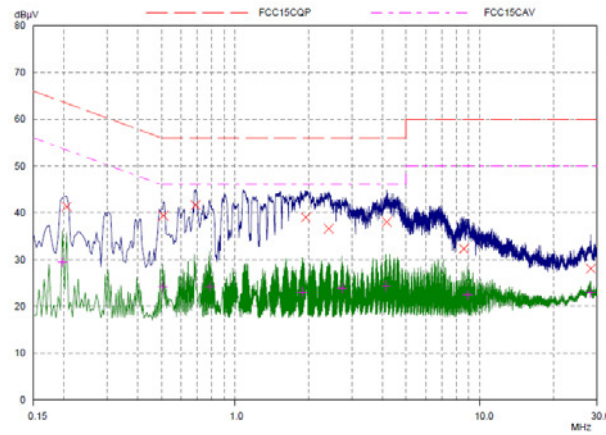


Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.20468	42.34	63.42	21.08	L1	gnd
0.51327	38.40	56.00	17.60	L1	gnd
0.68125	39.31	56.00	16.69	L1	gnd
1.50156	37.25	56.00	18.75	L1	gnd
2.25156	36.10	56.00	19.90	L1	gnd
4.43125	35.69	56.00	20.31	L1	gnd
8.93515	29.59	60.00	30.41	L1	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.20468	29.68	53.42	23.74	L1	gnd
0.49375	24.09	46.10	22.01	L1	gnd
0.78671	25.98	46.00	20.02	L1	gnd
1.09531	24.77	46.00	21.23	L1	gnd
4.01717	23.53	46.00	22.47	L1	gnd
4.16953	24.29	46.00	21.71	L1	gnd
29.07578	23.89	50.00	26.11	L1	gnd

802.11g, Channel No.: 1 N Line

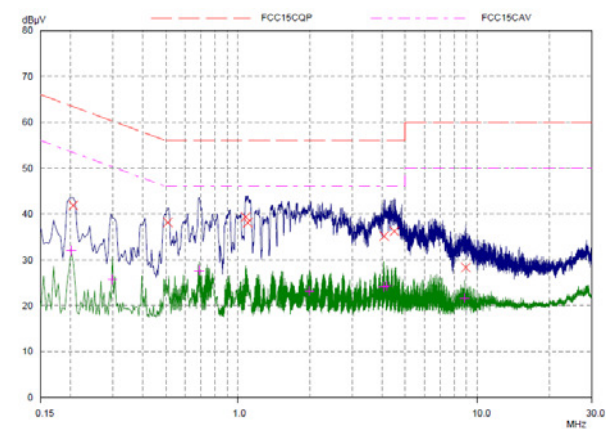


Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.20468	41.32	63.42	22.10	N	gnd
0.50937	39.40	56.00	16.60	N	gnd
0.68906	41.63	56.00	14.37	N	gnd
1.94296	39.05	56.00	16.95	N	gnd
2.41171	36.60	56.00	19.40	N	gnd
4.16561	38.02	56.00	17.98	N	gnd
8.60312	32.32	60.00	27.68	N	gnd
28.40781	28.09	60.00	31.91	N	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.19687	29.42	53.74	24.32	N	gnd
0.50546	24.25	46.00	21.75	N	gnd
0.78671	24.24	46.00	21.76	N	gnd
1.88046	23.03	46.00	22.97	N	gnd
2.73203	23.85	46.00	22.15	N	gnd
4.13046	24.37	46.00	21.63	N	gnd
8.9	22.39	50.00	27.61	N	gnd
28.41171	22.90	50.00	27.10	N	gnd

802.11g, Channel No.: 6 L Line

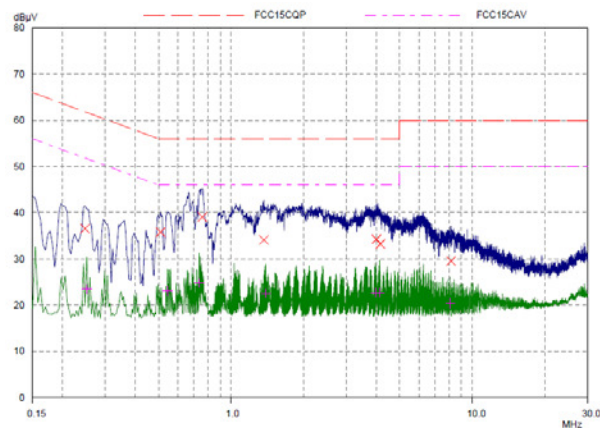


Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.20468	41.88	63.42	21.54	L1	gnd
0.50937	38.20	56.00	17.80	L1	gnd
1.07578	39.32	56.00	16.68	L1	gnd
1.09921	38.10	56.00	17.90	L1	gnd
4.08359	35.20	56.00	20.80	L1	gnd
4.49765	36.21	56.00	19.79	L1	gnd
8.95078	28.33	60.00	31.67	L1	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.20078	32.03	53.58	21.55	L1	gnd
0.29843	25.76	50.29	24.53	L1	gnd
0.68906	27.65	46.00	18.35	L1	gnd
1.98593	23.22	46.00	22.78	L1	gnd
4.06405	24.13	46.00	21.87	L1	gnd
4.19296	24.37	46.00	21.63	L1	gnd
8.83359	21.69	50.00	28.31	L1	gnd

802.11g, Channel No.: 6 N Line

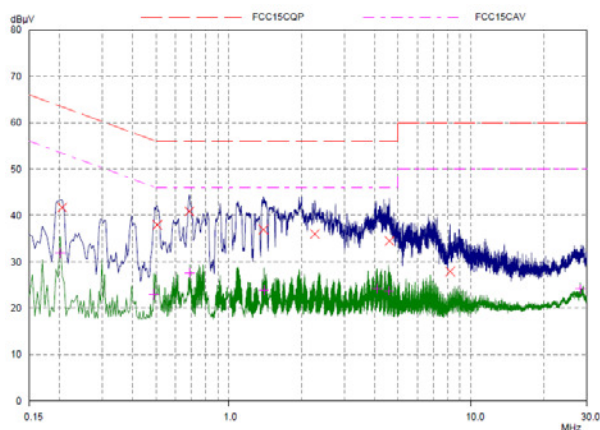


Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.24765	36.56	61.84	25.28	N	gnd
0.50937	35.80	56.00	20.20	N	gnd
0.75937	39.09	56.00	16.91	N	gnd
1.36484	34.11	56.00	21.89	N	gnd
4.00155	34.28	56.00	21.72	N	gnd
4.1578	33.26	56.00	22.74	N	gnd
8.16953	29.55	60.00	30.45	N	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.25156	23.42	51.71	28.29	N	gnd
0.54453	23.18	46.00	22.82	N	gnd
0.73593	24.78	46.00	21.22	N	gnd
1.38828	22.51	46.00	23.49	N	gnd
3.95859	22.71	46.00	23.29	N	gnd
4.11875	22.71	46.00	23.29	N	gnd
8.09531	20.43	50.00	29.57	N	gnd

802.11g, Channel No.: 11 L Line

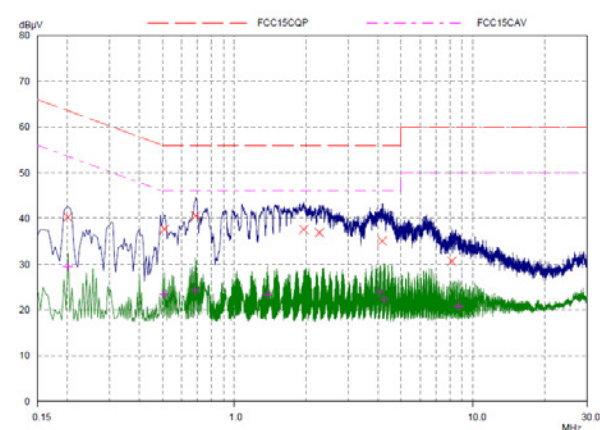


Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.20468	41.72	63.42	21.70	L1	gnd
0.50546	37.96	56.00	18.04	L1	gnd
0.68515	40.85	56.00	15.15	L1	gnd
1.38828	36.93	56.00	19.07	L1	gnd
2.26328	35.98	56.00	20.02	L1	gnd
4.60312	34.49	56.00	21.51	L1	gnd
8.20078	27.91	60.00	32.09	L1	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.20078	31.89	53.58	21.69	L1	gnd
0.48984	23.00	46.17	23.17	L1	gnd
0.68906	27.65	46.00	18.35	L1	gnd
1.39609	23.83	46.00	22.17	L1	gnd
4.0953	24.21	46.00	21.79	L1	gnd
4.56796	23.72	46.00	22.28	L1	gnd
28.26328	24.09	50.00	25.91	L1	gnd

802.11g, Channel No.: 11 N Line

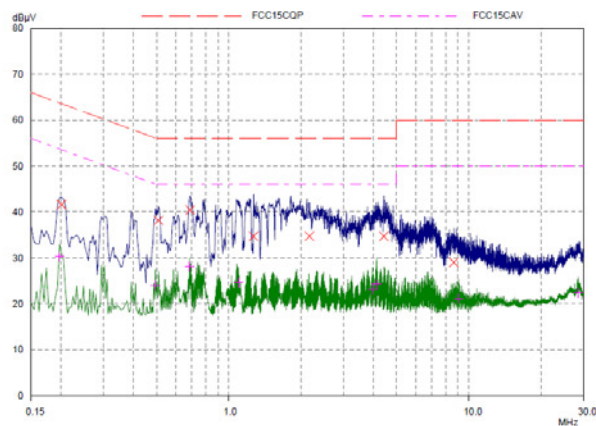


Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.20078	40.32	63.58	23.26	N	gnd
0.50937	37.64	56.00	18.36	N	gnd
0.68906	40.57	56.00	15.43	N	gnd
1.95468	37.59	56.00	18.41	N	gnd
2.27109	36.90	56.00	19.10	N	gnd
4.16561	35.08	56.00	20.92	N	gnd
8.16953	30.65	60.00	29.35	N	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.20078	29.46	53.58	24.12	N	gnd
0.50937	23.45	46.00	22.55	N	gnd
0.68515	24.32	46.00	21.68	N	gnd
1.37656	23.31	46.00	22.69	N	gnd
4.07578	23.96	46.00	22.04	N	gnd
4.24375	22.27	46.00	23.73	N	gnd
8.70078	20.77	50.00	29.23	N	gnd

802.11n(HT20), Channel No.: 1 L Line

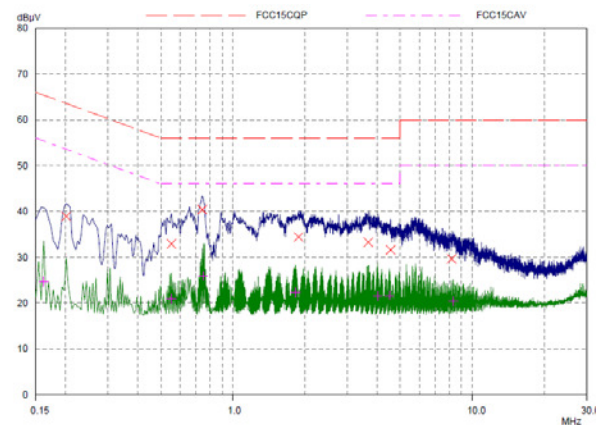


Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.20078	41.64	63.58	21.94	L1	gnd
0.50937	38.20	56.00	17.80	L1	gnd
0.68906	40.45	56.00	15.55	L1	gnd
1.26718	34.70	56.00	21.30	L1	gnd
2.16562	34.72	56.00	21.28	L1	gnd
4.42343	34.71	56.00	21.29	L1	gnd
8.66171	29.02	60.00	30.98	L1	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.19687	30.27	53.74	23.47	L1	gnd
0.49375	24.00	46.10	22.10	L1	gnd
0.68515	28.08	46.00	17.92	L1	gnd
1.09531	24.70	46.00	21.30	L1	gnd
3.97031	23.18	46.00	22.82	L1	gnd
4.13046	24.29	46.00	21.71	L1	gnd
9.06796	21.14	50.00	28.86	L1	gnd
28.57187	22.46	50.00	27.54	L1	gnd

802.11n(HT20), Channel No.: 1 N Line

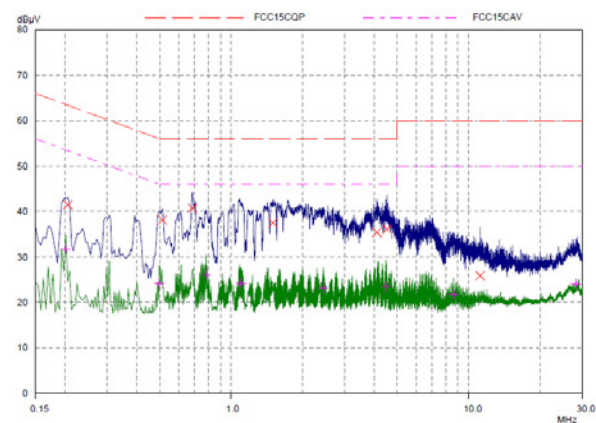


Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.20078	38.92	63.58	24.66	N	gnd
0.55234	32.92	56.00	23.08	N	gnd
0.74375	40.39	56.00	15.61	N	gnd
1.88046	34.43	56.00	21.57	N	gnd
3.67343	33.27	56.00	22.73	N	gnd
4.55234	31.59	56.00	24.41	N	gnd
8.18515	29.63	60.00	30.37	N	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.16171	24.67	55.38	30.71	N	gnd
0.55234	20.91	46.00	25.09	N	gnd
0.75156	25.92	46.00	20.08	N	gnd
1.82187	22.31	46.00	23.69	N	gnd
4.01717	21.57	46.00	24.43	N	gnd
4.49765	21.69	46.00	24.31	N	gnd
8.31406	20.38	50.00	29.62	N	gnd

802.11n(HT20), Channel No.: 6 L Line

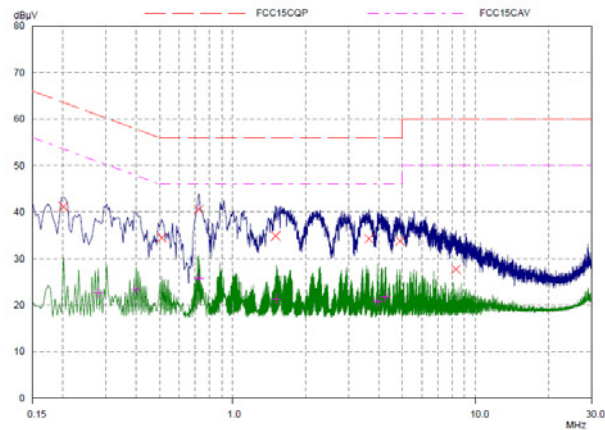


Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.20468	41.48	63.42	21.94	L1	gnd
0.51327	38.14	56.00	17.86	L1	gnd
0.68515	40.79	56.00	15.21	L1	gnd
1.49765	37.53	56.00	18.47	L1	gnd
4.10311	35.40	56.00	20.60	L1	gnd
4.5289	36.13	56.00	19.87	L1	gnd
11.16562	25.91	60.00	34.09	L1	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.20078	31.76	53.58	21.82	L1	gnd
0.49765	24.17	46.04	21.87	L1	gnd
0.78281	26.05	46.00	19.95	L1	gnd
1.09921	24.23	46.00	21.77	L1	gnd
2.43906	23.14	46.00	22.86	L1	gnd
4.47812	23.50	46.00	22.50	L1	gnd
8.62265	21.75	50.00	28.25	L1	gnd
28.26718	23.99	50.00	26.01	L1	gnd

802.11n(HT20), Channel No.: 6 N Line

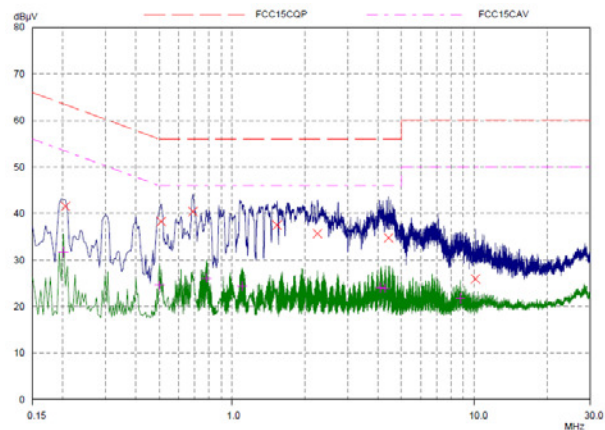


Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.20078	41.18	63.58	22.40	N	gnd
0.50937	34.54	56.00	21.46	N	gnd
0.72421	40.53	56.00	15.47	N	gnd
1.50156	34.87	56.00	21.13	N	gnd
3.63437	34.27	56.00	21.73	N	gnd
4.88437	33.76	56.00	22.24	N	gnd
8.30625	27.69	60.00	32.31	N	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.2789	22.57	50.85	28.28	N	gnd
0.4	23.25	47.85	24.60	N	gnd
0.72421	25.78	46.00	20.22	N	gnd
1.51328	21.30	46.00	24.70	N	gnd
3.94687	20.71	46.00	25.29	N	gnd
4.25156	21.75	46.00	24.25	N	gnd

802.11n(HT20), Channel No.: 11 L Line

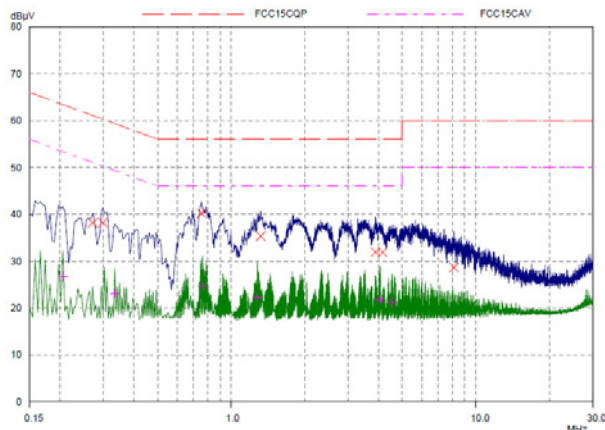


Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.20468	41.50	63.42	21.92	L1	gnd
0.50937	38.28	56.00	17.72	L1	gnd
0.68906	40.43	56.00	15.57	L1	gnd
1.53281	37.49	56.00	18.51	L1	gnd
2.25156	35.68	56.00	20.32	L1	gnd
4.42343	34.75	56.00	21.25	L1	gnd
10.11875	25.96	60.00	34.04	L1	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.20078	31.69	53.58	21.89	L1	gnd
0.50156	24.64	46.00	21.36	L1	gnd
0.78281	26.11	46.00	19.89	L1	gnd
1.09921	24.39	46.00	21.61	L1	gnd
4.10311	23.96	46.00	22.04	L1	gnd
4.29453	23.89	46.00	22.11	L1	gnd
8.75546	21.80	50.00	28.20	L1	gnd

802.11n(HT20), Channel No.: 11 N Line



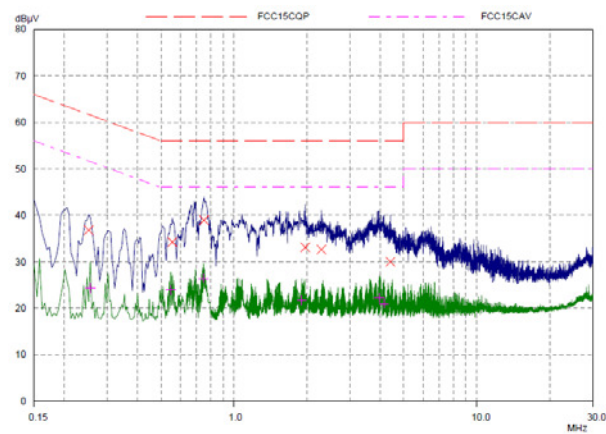
Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.27109	38.19	61.08	22.89	N	gnd
0.29843	38.22	60.29	22.07	N	gnd
0.75546	40.21	56.00	15.79	N	gnd
1.31796	35.34	56.00	20.66	N	gnd
3.88437	31.96	56.00	24.04	N	gnd
4.15	31.92	56.00	24.08	N	gnd
8.13828	28.71	60.00	31.29	N	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.20468	26.77	53.42	26.65	N	gnd
0.33359	23.21	49.36	26.15	N	gnd
0.76328	24.71	46.00	21.29	N	gnd
1.2789	22.30	46.00	23.70	N	gnd
4.05234	21.84	46.00	24.16	N	gnd
4.54843	21.25	46.00	24.75	N	gnd



802.11n(HT40), Channel No.: 3 L Line

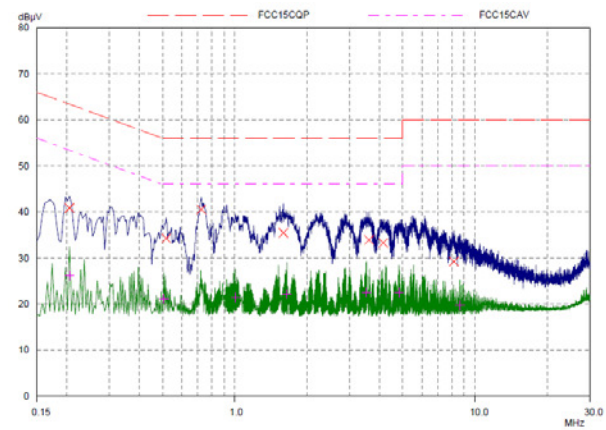


Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.25156	36.80	61.71	24.91	L1	gnd
0.55625	34.24	56.00	21.76	L1	gnd
0.75156	38.95	56.00	17.05	L1	gnd
1.9625	33.13	56.00	22.87	L1	gnd
2.29062	32.64	56.00	23.36	L1	gnd
4.4039	30.01	56.00	25.99	L1	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.25546	24.30	51.58	27.28	L1	gnd
0.54843	23.92	46.00	22.08	L1	gnd
0.74765	26.49	46.00	19.51	L1	gnd
1.9	21.79	46.00	24.21	L1	gnd
3.9664	22.21	46.00	23.79	L1	gnd
4.14217	21.01	46.00	24.99	L1	gnd

802.11n(HT40), Channel No.: 3 N Line

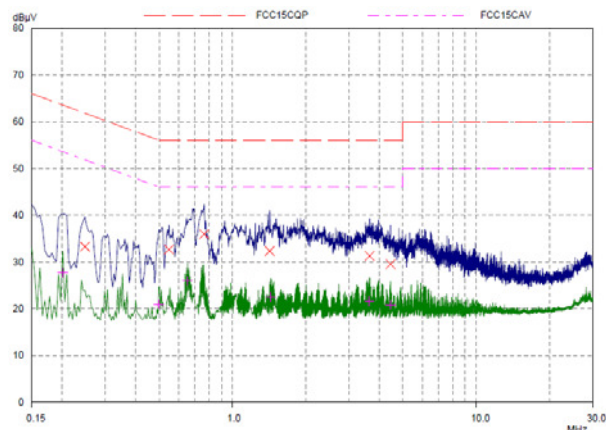


Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.20468	40.88	63.42	22.54	N	gnd
0.51718	34.28	56.00	21.72	N	gnd
0.72421	40.55	56.00	15.45	N	gnd
1.5914	35.47	56.00	20.53	N	gnd
3.61484	33.93	56.00	22.07	N	gnd
4.14609	33.30	56.00	22.70	N	gnd
8.1617	29.21	60.00	30.79	N	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.20468	26.14	53.42	27.28	N	gnd
0.50546	21.14	46.00	24.86	N	gnd
1.00546	21.46	46.00	24.54	N	gnd
1.64609	22.16	46.00	23.84	N	gnd
3.5289	22.55	46.00	23.45	N	gnd
4.81796	22.48	46.00	23.52	N	gnd
8.64218	19.73	50.00	30.27	N	gnd

802.11n(HT40), Channel No.: 6 L Line

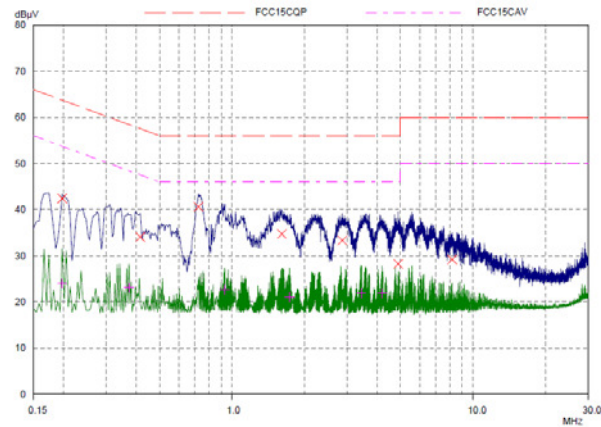


Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.24765	33.28	61.84	28.56	L1	gnd
0.54843	32.64	56.00	23.36	L1	gnd
0.76328	35.93	56.00	20.07	L1	gnd
1.41953	32.33	56.00	23.67	L1	gnd
3.65	31.27	56.00	24.73	L1	gnd
4.44687	29.53	56.00	26.47	L1	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.20078	27.69	53.58	25.89	L1	gnd
0.49765	20.97	46.04	25.07	L1	gnd
0.6539	25.98	46.00	20.02	L1	gnd
1.43515	22.51	46.00	23.49	L1	gnd
3.63828	21.62	46.00	24.38	L1	gnd
4.44687	20.84	46.00	25.16	L1	gnd

802.11n(HT40), Channel No.: 6 N Line

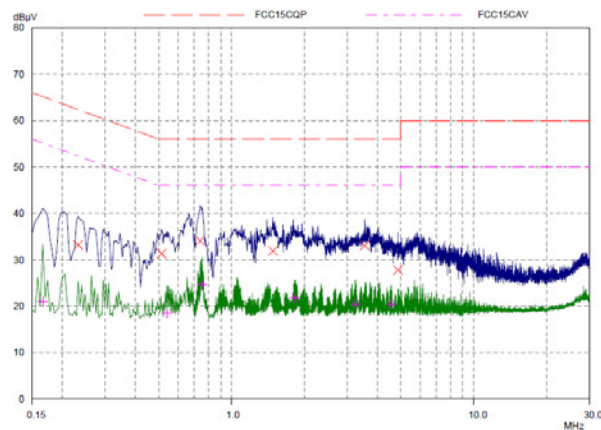


Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.19687	42.42	63.74	21.32	N	gnd
0.41562	34.07	57.54	23.47	N	gnd
0.72421	40.59	56.00	15.41	N	gnd
1.60703	34.73	56.00	21.27	N	gnd
2.86484	33.33	56.00	22.67	N	gnd
4.88828	28.26	56.00	27.74	N	gnd
8.19295	29.21	60.00	30.79	N	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.19687	24.08	53.74	29.66	N	gnd
0.37265	23.06	48.44	25.38	N	gnd
0.93125	22.61	46.00	23.39	N	gnd
1.72812	21.07	46.00	24.93	N	gnd
3.42734	21.99	46.00	24.01	N	gnd
4.19296	21.90	46.00	24.10	N	gnd

802.11n(HT40), Channel No.: 9 L Line

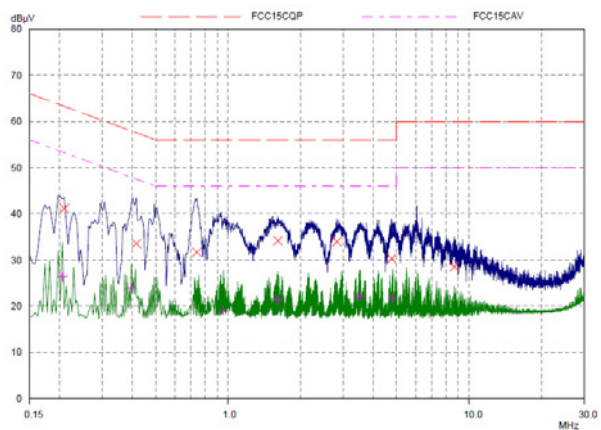


Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.23203	33.22	62.38	29.16	L1	gnd
0.51327	31.32	56.00	24.68	L1	gnd
0.73984	34.11	56.00	21.89	L1	gnd
1.47812	31.91	56.00	24.09	L1	gnd
3.54453	33.05	56.00	22.95	L1	gnd
4.86093	27.76	56.00	28.24	L1	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.16562	20.90	55.18	34.28	L1	gnd
0.54062	18.47	46.00	27.53	L1	gnd
0.75546	24.71	46.00	21.29	L1	gnd
1.81796	21.74	46.00	24.26	L1	gnd
3.24375	20.44	46.00	25.56	L1	gnd
4.55625	20.47	46.00	25.53	L1	gnd

802.11n(HT40), Channel No.: 9 N Line



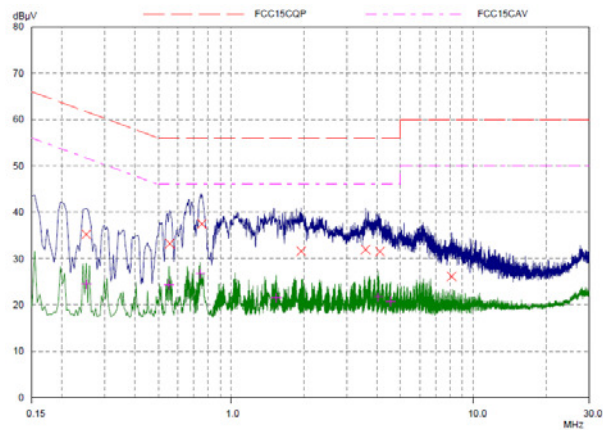
Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.20859	41.16	63.26	22.10	N	gnd
0.41562	33.57	57.54	23.97	N	gnd
0.73984	31.69	56.00	24.31	N	gnd
1.60703	34.17	56.00	21.83	N	gnd
2.82187	33.95	56.00	22.05	N	gnd
4.77109	30.30	56.00	25.70	N	gnd
8.68906	28.54	60.00	31.46	N	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.20468	26.33	53.42	27.09	N	gnd
0.39609	24.02	47.93	23.91	N	gnd
0.95468	19.12	46.00	26.88	N	gnd
1.60703	21.47	46.00	24.53	N	gnd
3.52109	22.04	46.00	23.96	N	gnd
4.81015	21.70	46.00	24.30	N	gnd



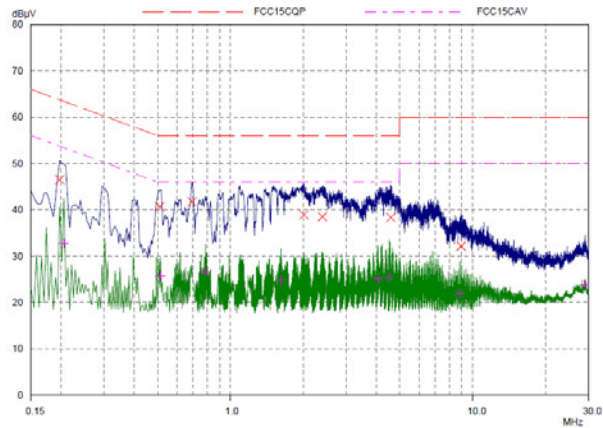
BLE, Channel No.: 0 L Line



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.25156	35.22	61.71	26.49	L1	gnd
0.55625	33.22	56.00	22.78	L1	gnd
0.75546	37.49	56.00	18.51	L1	gnd
1.94296	31.61	56.00	24.39	L1	gnd
3.5875	31.95	56.00	24.05	L1	gnd
4.11484	31.52	56.00	24.48	L1	gnd
8.13828	26.15	60.00	33.85	L1	gnd
Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.25156	24.47	51.71	27.24	L1	gnd
0.55234	24.33	46.00	21.67	L1	gnd
0.74375	26.68	46.00	19.32	L1	gnd
1.53281	21.52	46.00	24.48	L1	gnd
4.04061	21.74	46.00	24.26	L1	gnd
4.54453	20.72	46.00	25.28	L1	gnd

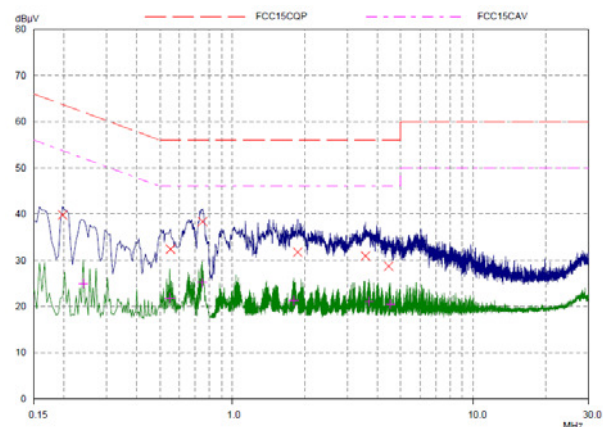
BLE, Channel No.: 0 N Line



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.19687	46.52	63.74	17.22	N	gnd
0.50937	40.72	56.00	15.28	N	gnd
0.69296	41.71	56.00	14.29	N	gnd
2.00937	38.91	56.00	17.09	N	gnd
2.39609	38.52	56.00	17.48	N	gnd
4.5914	38.35	56.00	17.65	N	gnd
8.94687	32.15	60.00	27.85	N	gnd
Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.20468	32.79	53.42	20.63	N	gnd
0.51327	25.66	46.00	20.34	N	gnd
0.78671	26.62	46.00	19.38	N	gnd
1.61484	24.86	46.00	21.14	N	gnd
4.06015	25.13	46.00	20.87	N	gnd
4.525	25.43	46.00	20.57	N	gnd
8.84531	21.91	50.00	28.09	N	gnd
29.12656	23.80	50.00	26.20	N	gnd

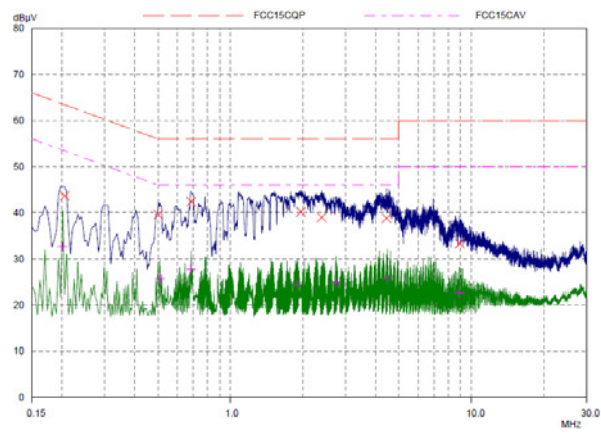
BLE, Channel No.: 19 L Line



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.19687	39.80	63.74	23.94	L1	gnd
0.55234	32.38	56.00	23.62	L1	gnd
0.75156	38.37	56.00	17.63	L1	gnd
1.86484	31.77	56.00	24.23	L1	gnd
3.56406	30.93	56.00	25.07	L1	gnd
4.45078	28.71	56.00	27.29	L1	gnd
Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.23984	24.93	52.10	27.17	L1	gnd
0.54843	21.75	46.00	24.25	L1	gnd
0.74765	25.15	46.00	20.85	L1	gnd
1.79843	21.30	46.00	24.70	L1	gnd
3.68906	21.11	46.00	24.89	L1	gnd
4.52109	20.47	46.00	25.53	L1	gnd

BLE, Channel No.: 19 N Line

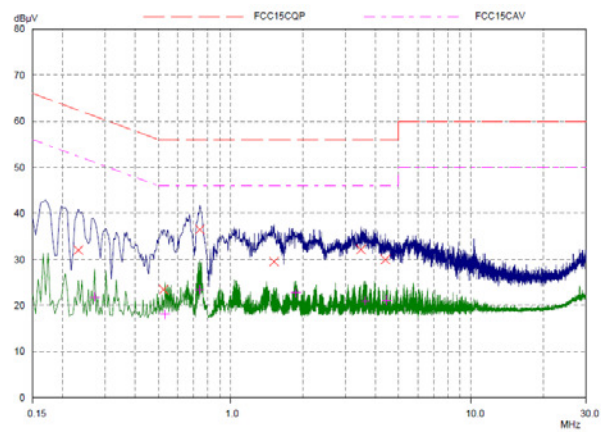


Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.20468	43.66	63.42	19.76	N	gnd
0.50156	39.56	56.00	16.44	N	gnd
0.68515	42.41	56.00	13.59	N	gnd
1.95859	40.21	56.00	15.79	N	gnd
2.38828	39.00	56.00	17.00	N	gnd
4.43906	38.83	56.00	17.17	N	gnd
8.93515	33.29	60.00	26.71	N	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.20078	32.66	53.58	20.92	N	gnd
0.50937	25.72	46.00	20.28	N	gnd
0.68515	27.76	46.00	18.24	N	gnd
1.9	24.40	46.00	21.60	N	gnd
2.74375	24.95	46.00	21.05	N	gnd
4.47031	25.64	46.00	20.36	N	gnd
8.91171	22.59	50.00	27.41	N	gnd

BLE, Channel No.: 39 L Line

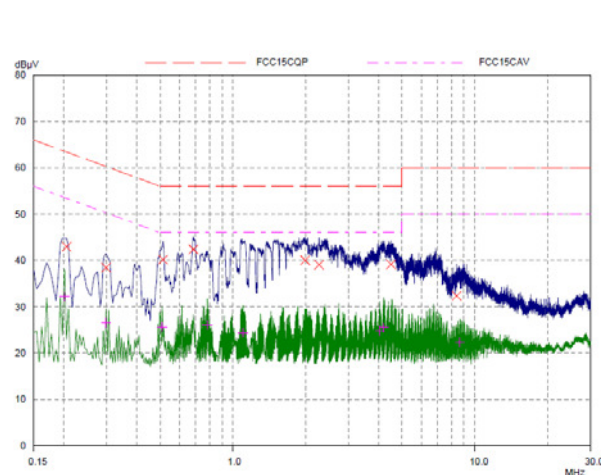


Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.23203	32.02	62.38	30.36	L1	gnd
0.525	23.46	56.00	32.54	L1	gnd
0.74375	36.51	56.00	19.49	L1	gnd
1.51328	29.51	56.00	26.49	L1	gnd
3.48203	32.13	56.00	23.87	L1	gnd
4.39609	29.95	56.00	26.05	L1	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.27109	21.85	51.08	29.23	L1	gnd
0.53281	18.15	46.00	27.85	L1	gnd
0.73984	23.40	46.00	22.60	L1	gnd
1.86484	22.75	46.00	23.25	L1	gnd
3.63437	21.00	46.00	25.00	L1	gnd
4.45859	21.07	46.00	24.93	L1	gnd

BLE, Channel No.: 39 N Line



Final Measurement Results

Frequency MHz	QP Level dBμV	QP Limit dBμV	QP Delta dB	Phase -	PE -
0.20468	42.96	63.42	20.46	N	gnd
0.29843	38.44	60.29	21.85	N	gnd
0.51327	40.16	56.00	15.84	N	gnd
0.68515	42.39	56.00	13.61	N	gnd
1.98593	40.03	56.00	15.97	N	gnd
2.26718	39.06	56.00	16.94	N	gnd
4.50156	39.15	56.00	16.85	N	gnd
8.4	32.37	60.00	27.63	N	gnd

Frequency MHz	AV Level dBμV	AV Limit dBμV	AV Delta dB	Phase -	PE -
0.20078	32.16	53.58	21.42	N	gnd
0.29843	26.54	50.29	23.75	N	gnd
0.50937	25.59	46.00	20.41	N	gnd
0.78281	26.11	46.00	19.89	N	gnd
1.09921	24.39	46.00	21.61	N	gnd
4.04061	24.83	46.00	21.17	N	gnd
4.19296	25.49	46.00	20.51	N	gnd
8.67343	22.33	50.00	27.67	N	gnd



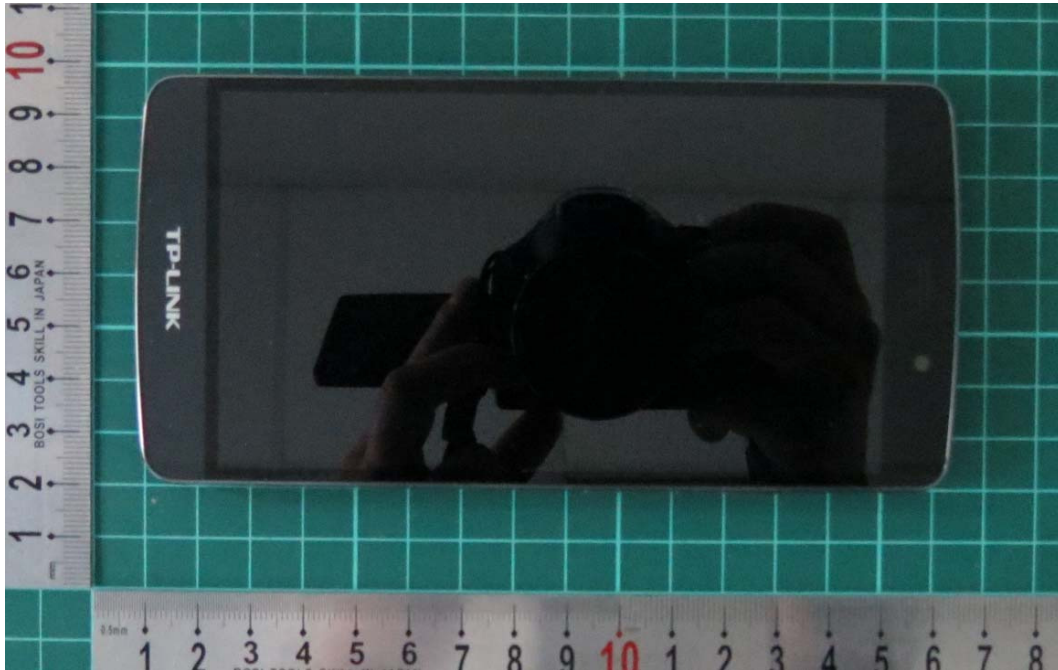
6. Main Test Instruments

Name	Type	Manufacturer	Serial Number	Calibration Date	Expiration Time
EMI Test Receiver	ESCI	R&S	100948	2015-05-22	2016-05-21
Loop Antenna	FMZB1519	SCHWARZBECK	1519-047	2014-02-29	2017-02-28
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
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	2015-12-18	2016-12-17
Spectrum Analyzer	E4445A	Agilent	MY46181146	2015-05-22	2016-05-21
Spectrum Analyzer	N9010A	Agilent	MY47191109	2015-05-22	2016-05-21
MOB COMMS DC SUPPLY	66319D	Agilent	MY43004105	2015-05-22	2016-05-21
Peak Power Meter	8990B	Agilent	51000109	2015-04-26	2016-04-25
Wideband Power Sensors	N1923A	Agilent	MY51220004	2015-04-26	2016-04-25
Spectrum Analyzer	FSV30	R&S	100815	2015-12-17	2016-12-16
RF Cable	SMA 15cm	Agilent	0001	2016-02-08	2016-04-07

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

ANNEX A: EUT Appearance and Test Setup

A.1 EUT Appearance



Front Side

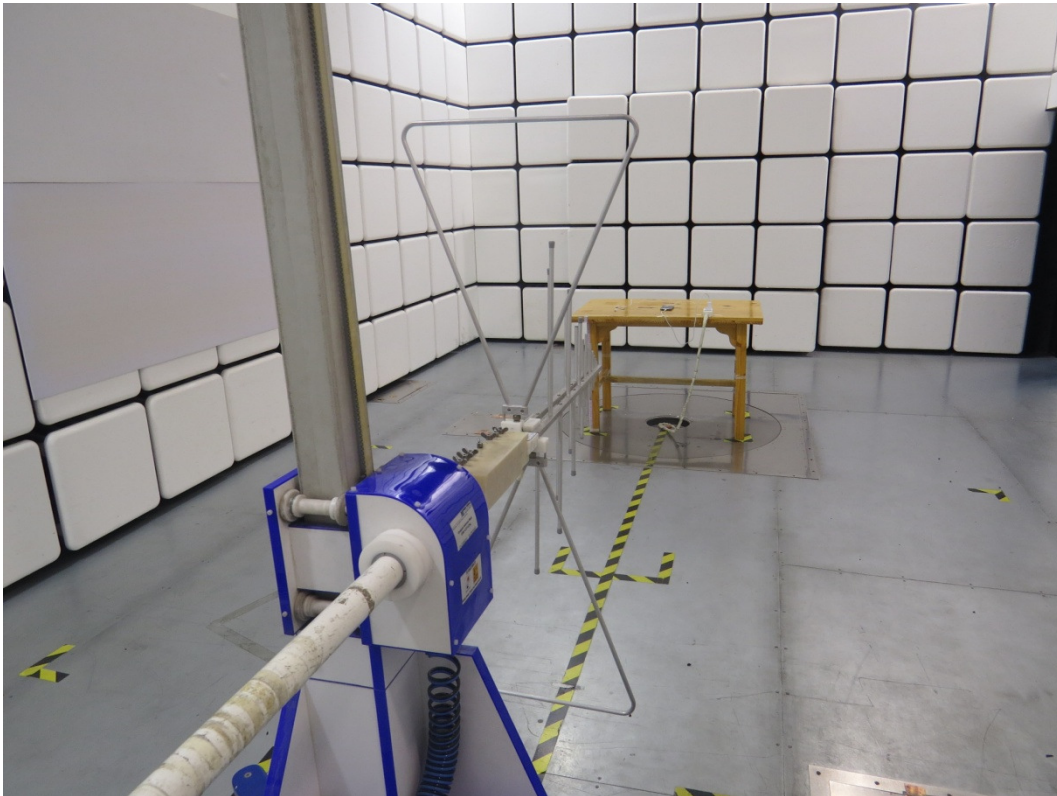


Back Side

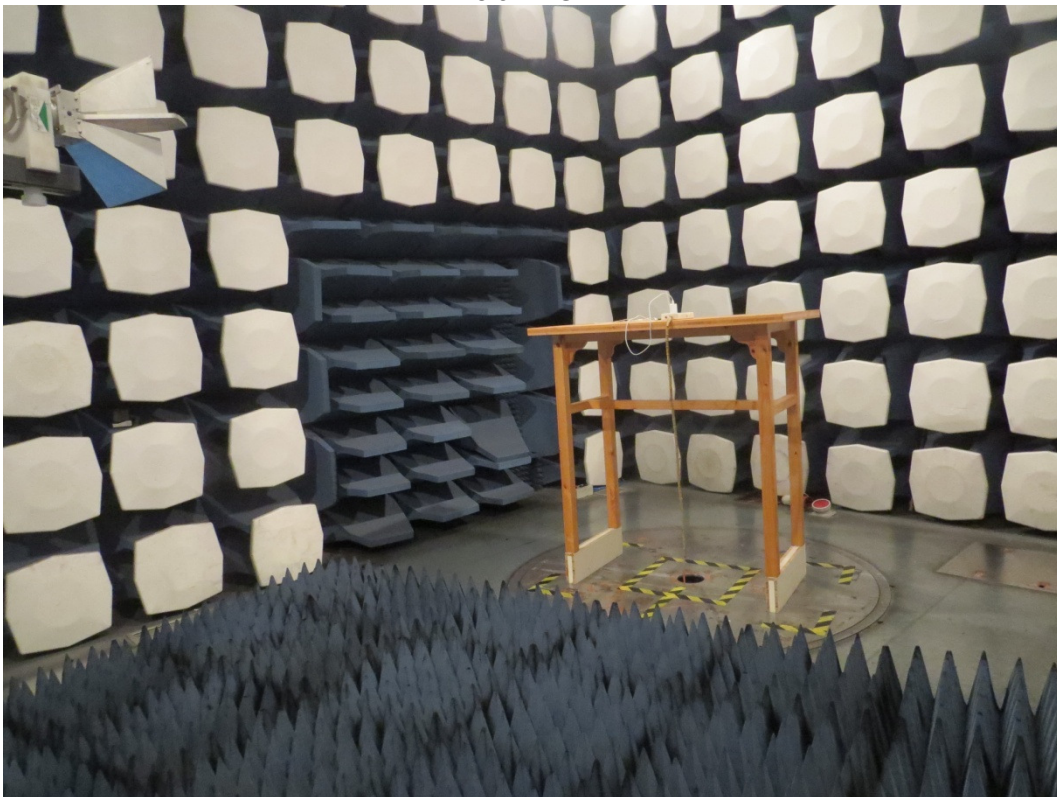
a: EUT

Picture 1 EUT

A.2 Test Setup

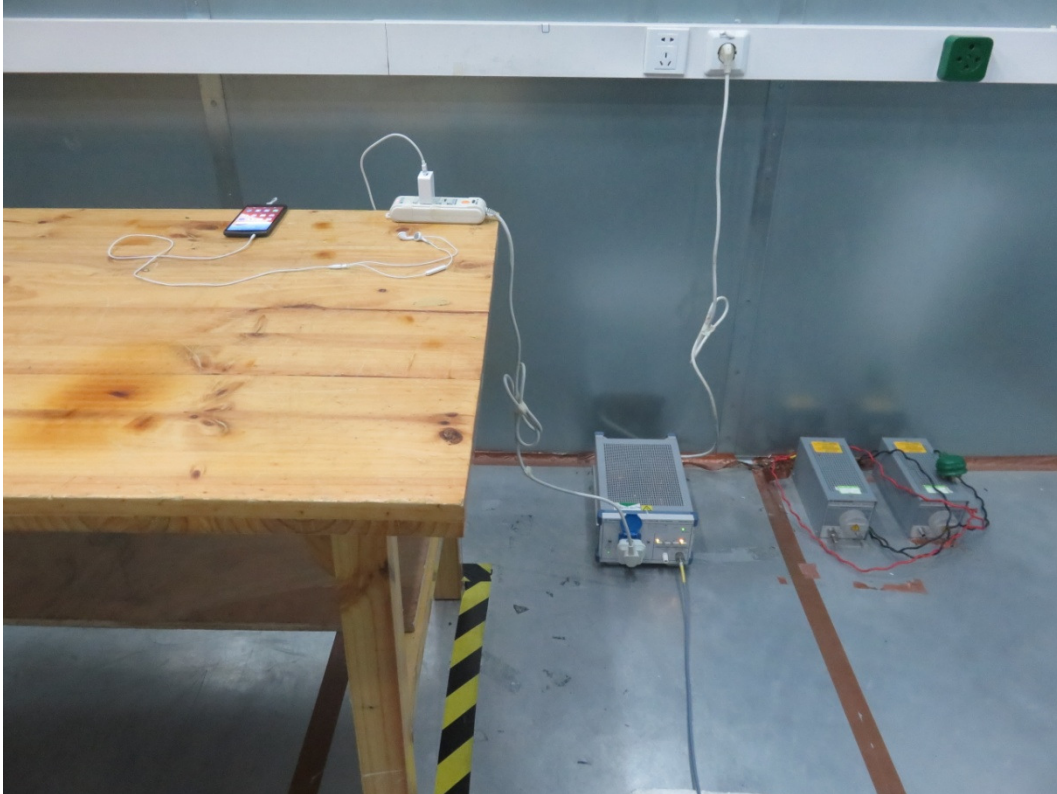


Below 1GHz



Above 1GHz

Picture 2 Radiated Emission Test Setup



Picture 3 Conducted Emission Test Setup