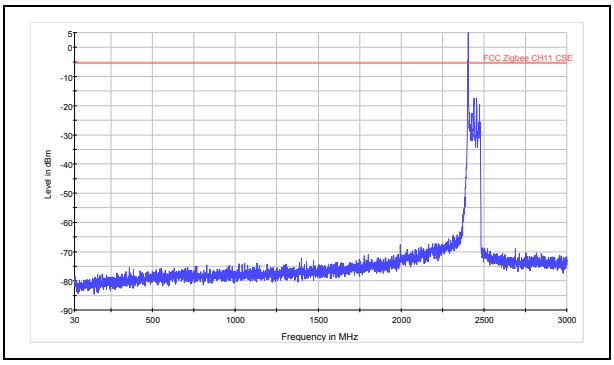
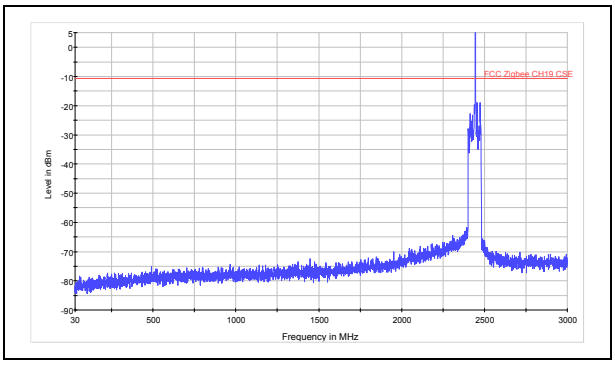
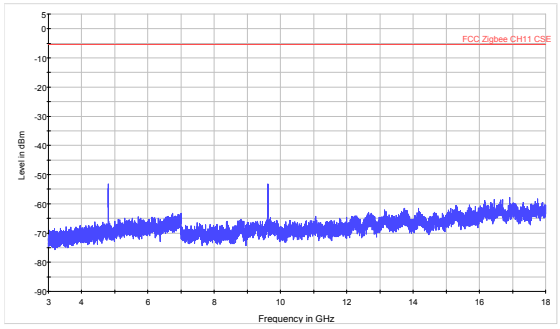
Zigbee CH11 30MHz to 3GHz



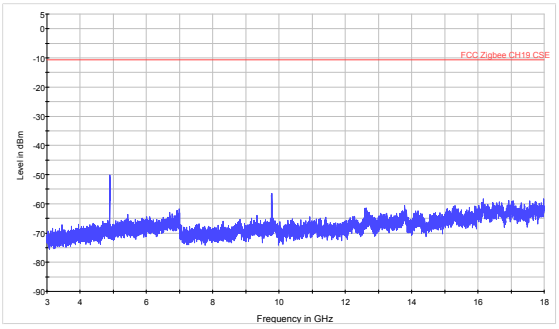
Zigbee CH18 30MHz to 3GHz



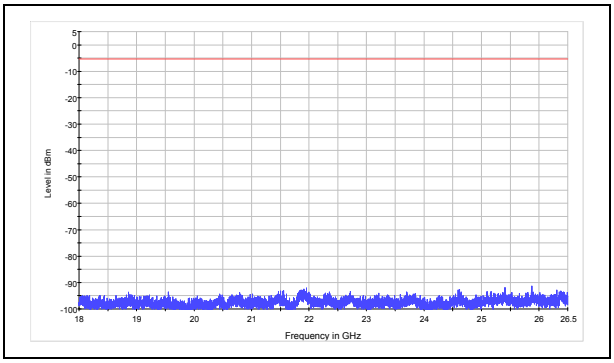
Zigbee CH11 3GHz to 18GHz



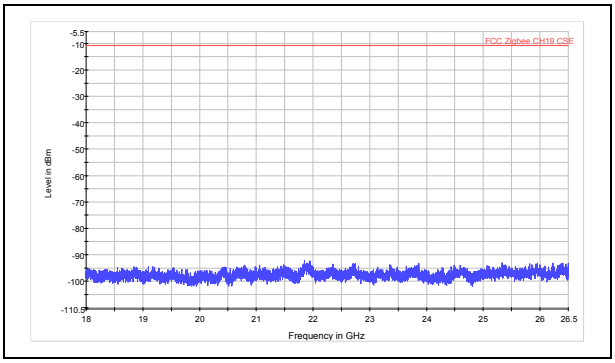
Zigbee CH18 3GHz to 18GHz



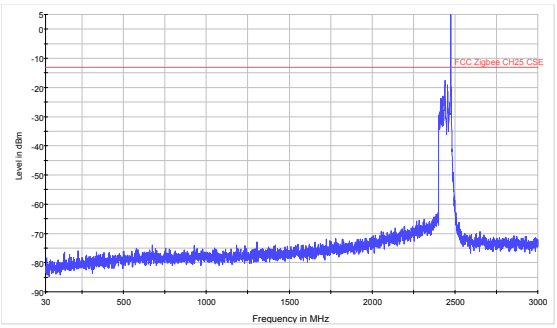
Zigbee CH11 18GHz to 26.5GHz



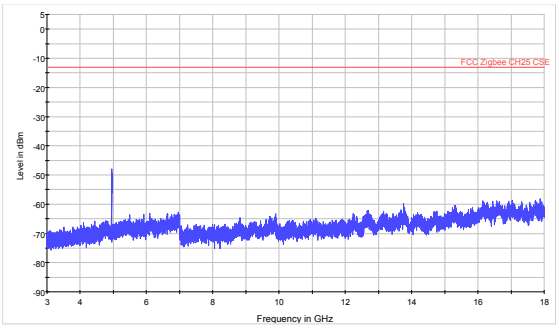
Zigbee CH18 18GHz to 26.5GHz



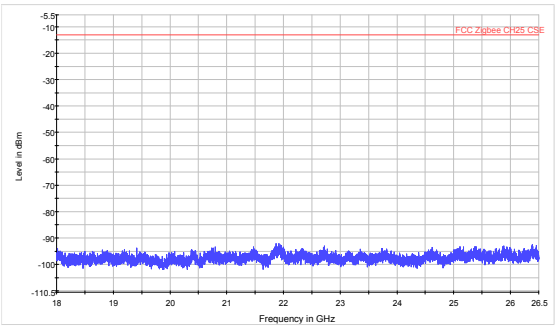
Zigbee CH25 30MHz to 3GHz



Zigbee CH25 3GHz to 18GHz



Zigbee CH25 18GHz to 26.5GHz



5.6. Radiated Emissions in the Restricted Band

Ambient condition

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

Method of Measurement

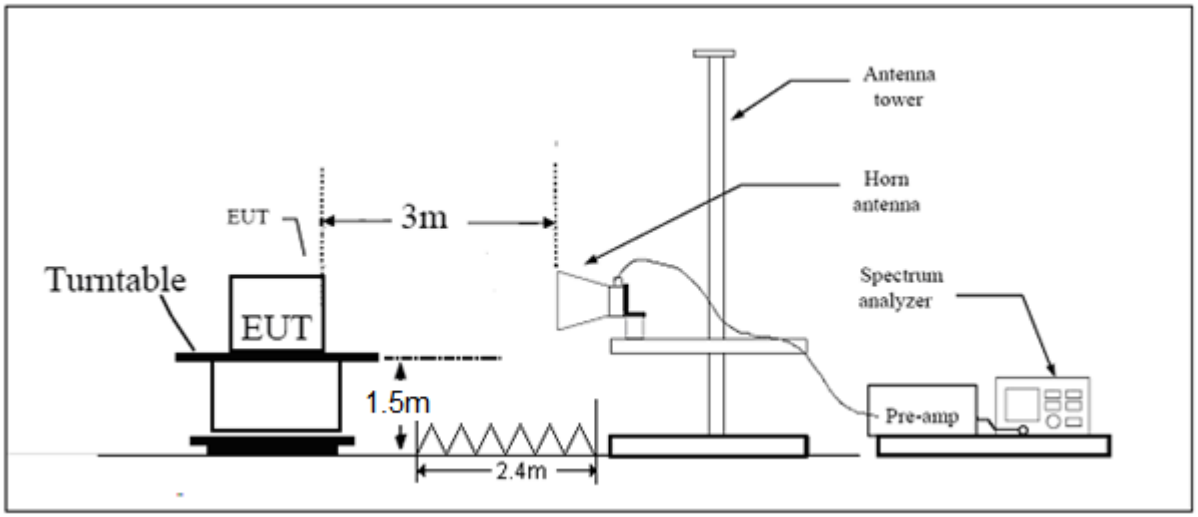
The Equipment Under Test (EUT) was set up on a non-conductive table in the semi-anechoic chamber. The test was performed at the distance of 3 m between the EUT and the receiving antenna. The turntable shall be rotated from 0 to 360 degrees for detecting the maximum of radiated spurious signal level. The measurements shall be repeated with orthogonal polarization of the test antenna. RBW is set to 100kHz.The data of cable loss and antenna factor has been calibrated in full testing frequency range before the testing. Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, and the emissions less than 20 dB below the permissible value are reported.

Set the spectrum analyzer in the following:
(a) PEAK: RBW=VBW=1MHz / Sweep=AUTO
(b) AVERAGE: RBW=1MHz / VBW=3MHz / Sweep=AUTO
This setting method can refer to **KDB 558074.**

The field strength of spurious emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in stand-up position (Y axis) and the antenna is vertical.

The test is in transmitting mode.

Test setup



Note: Area side: 2.4mX3.6m

Limits

Spurious Radiated Emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
[1]0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	([2])
13.36 - 13.41			

Limit in restricted band

Frequency of emission (MHz)	Field strength(uV/m)	Field strength(dBuV/m)
0.009–0.490	2400/F(kHz)	/
0.490–1.705	24000/F(kHz)	/
1.705–30.0	30	/
30-88	100	40
88-216	150	43.5
216-960	200	46
Above960	500	54

§15.35(b)

There is also a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

Peak Limit=74 dBuV/m

Average Limit=54 dBuV/m

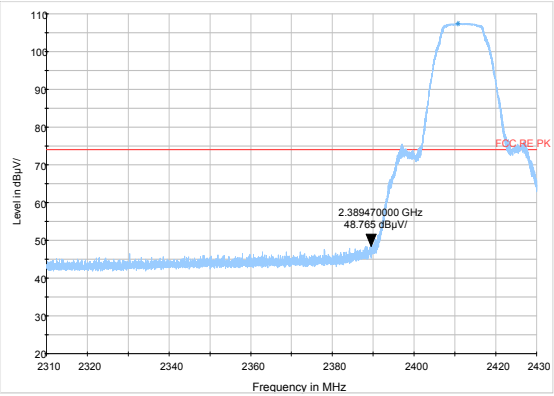
Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 1.96, U= 3.55 dB.

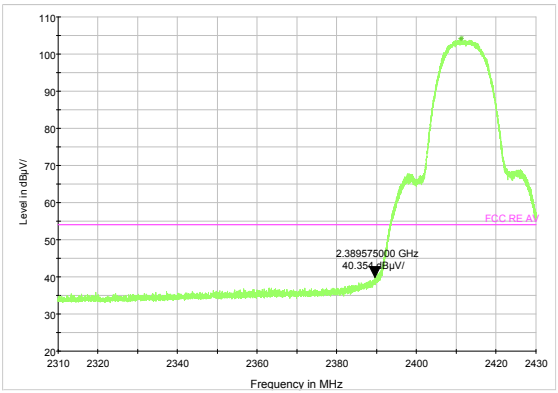
Test Results:

PASS

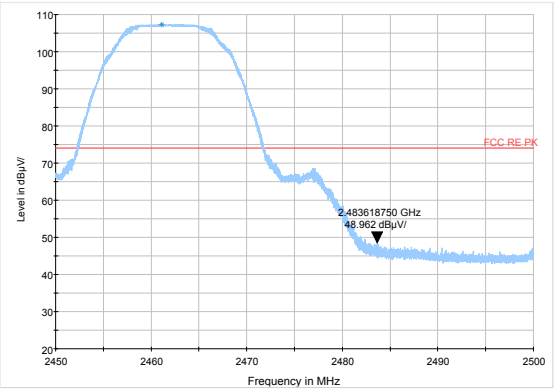
The signal beyond the limit is carrier.



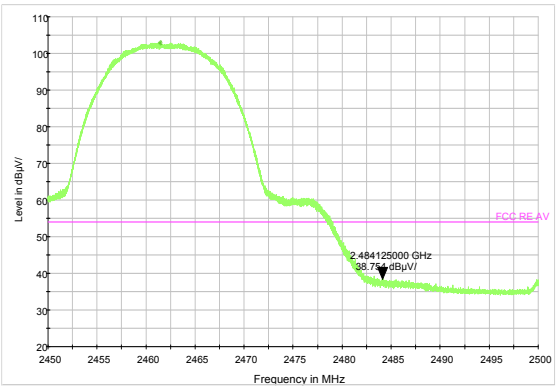
802.11b-Channel 1: Peak



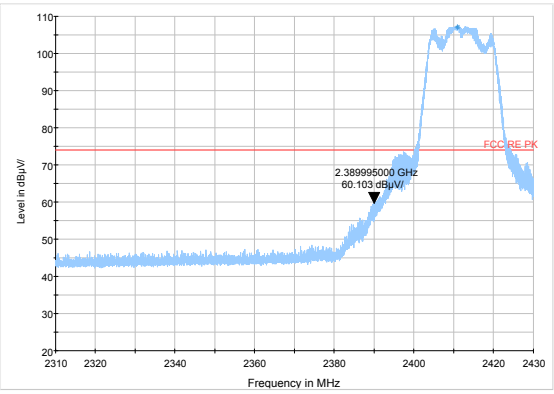
802.11b-Channel 1: Average



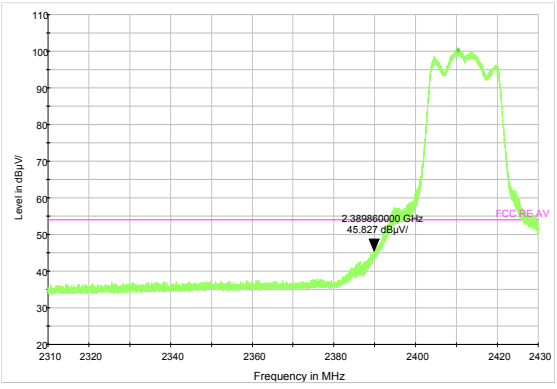
802.11b-Channel 11: Peak



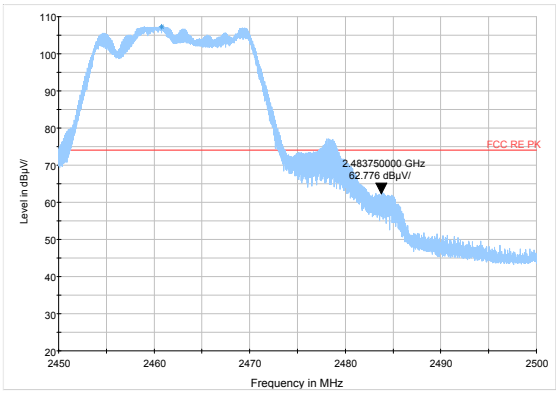
802.11b-Channel 11: Average



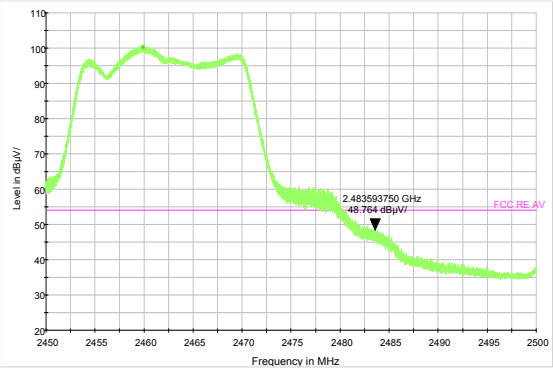
802.11g-Channel 1: Peak



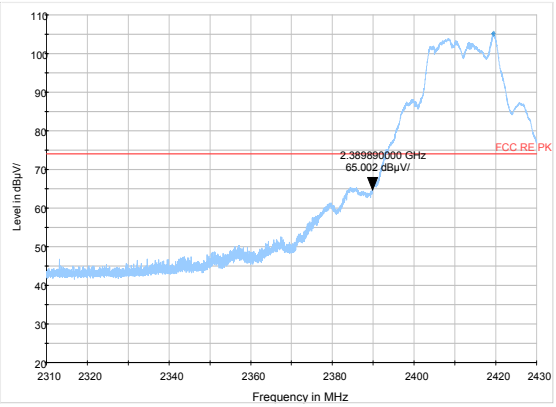
802.11g-Channel 1: Average



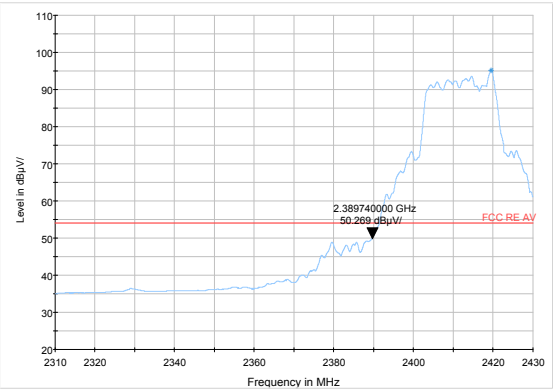
802.11g-Channel 11: Peak



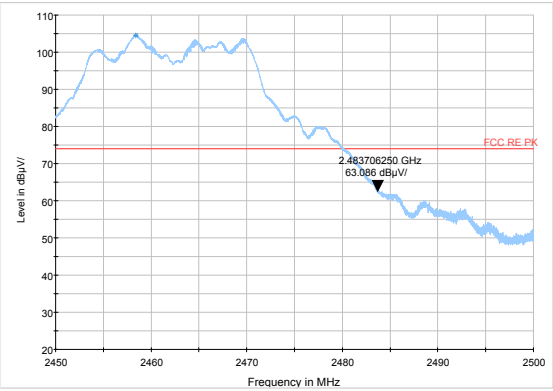
802.11g-Channel 11: Average



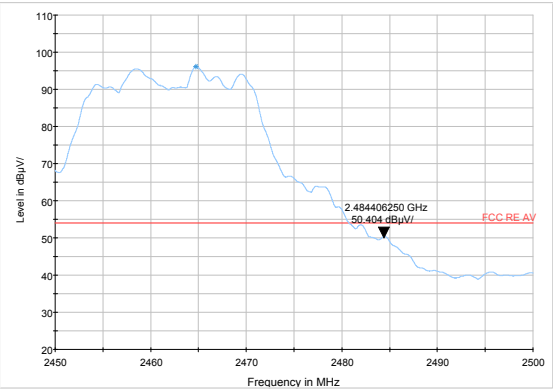
802.11n HT20 -Channel 1: Peak



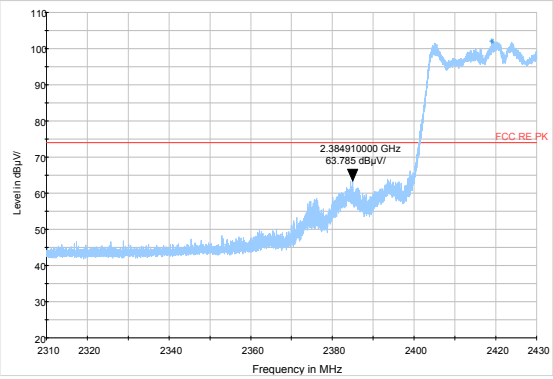
802.11n HT20-Channel 1: Average



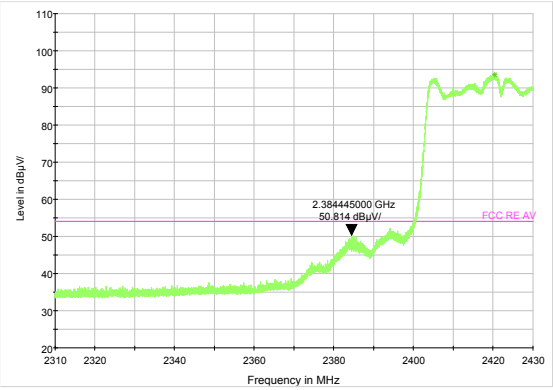
802.11n HT20-Channel 11: Peak



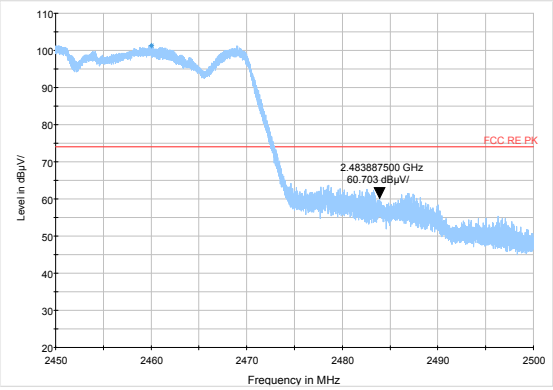
802.11n HT20-Channel 11: Average



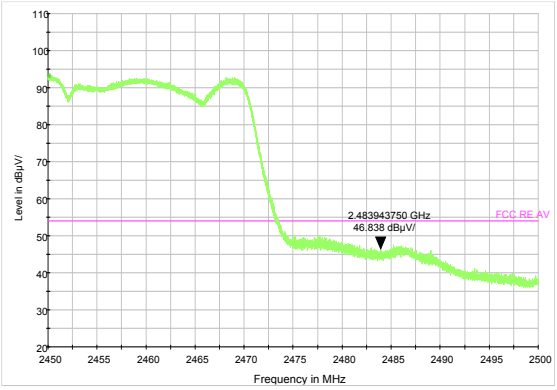
802.11n HT40 -Channel 3: Peak



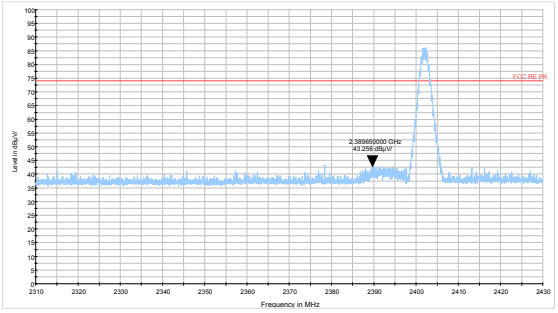
802.11n HT40-Channel 3: Average



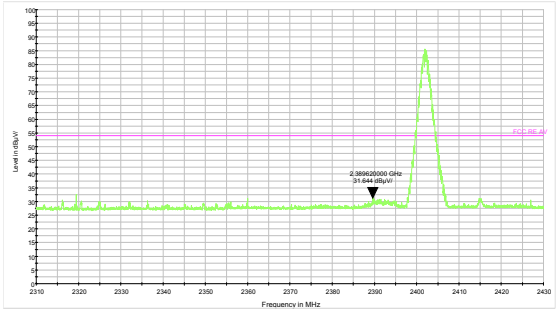
802.11n HT40-Channel 9: Peak



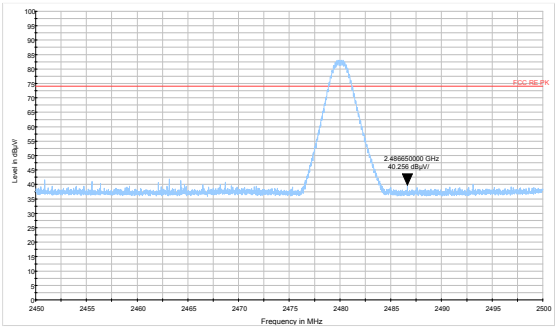
802.11n HT40-Channel 9: Average



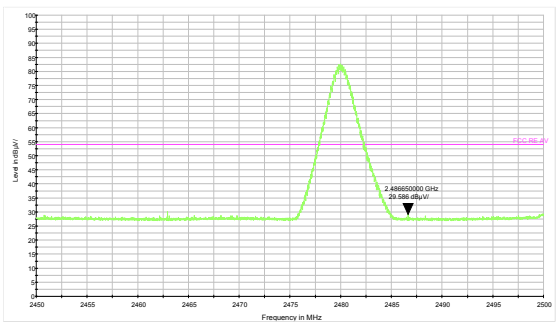
BLE -Channel 0: Peak



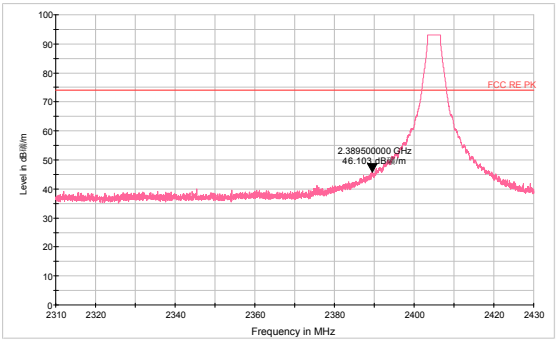
BLE -Channel 0: Average



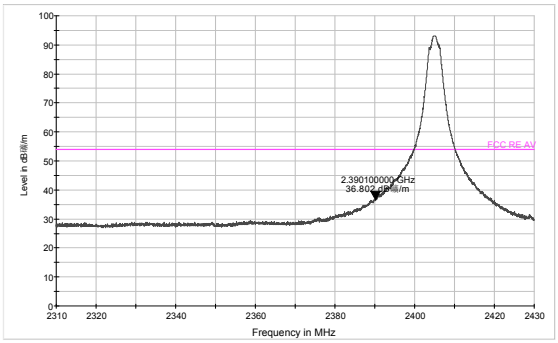
BLE -Channel 39: Peak



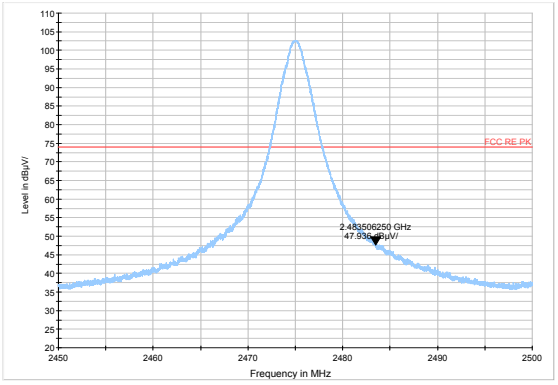
BLE -Channel 39: Average



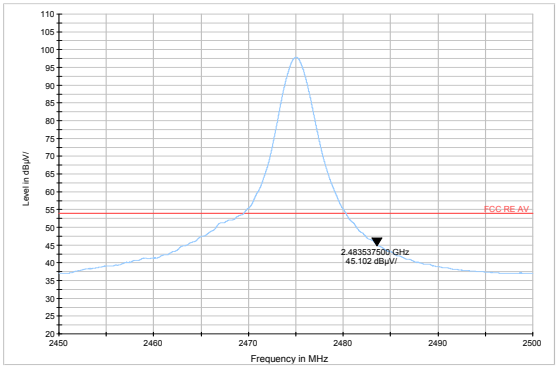
Zigbee-Channel 11: Peak



Zigbee-Channel 11: Average



Zigbee-Channel 25: Peak



Zigbee-Channel 25: Average

5.7. Radiates Emission

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	102.5kPa

Method of Measurement

The test set-up was made in accordance to the general provisions of ANSI C63.10-2013.The Equipment Under Test (EUT) was set up on a non-conductive table in the semi-anechoic chamber. The test was performed at the distance of 3 m between the EUT and the receiving antenna. The radiated emissions measurements were made in a typical installation configuration.
Sweep the whole frequency band through the range from 9 kHz to the 10th harmonic of the carrier, and the emissions less than 20 dB below the permissible value are reported.

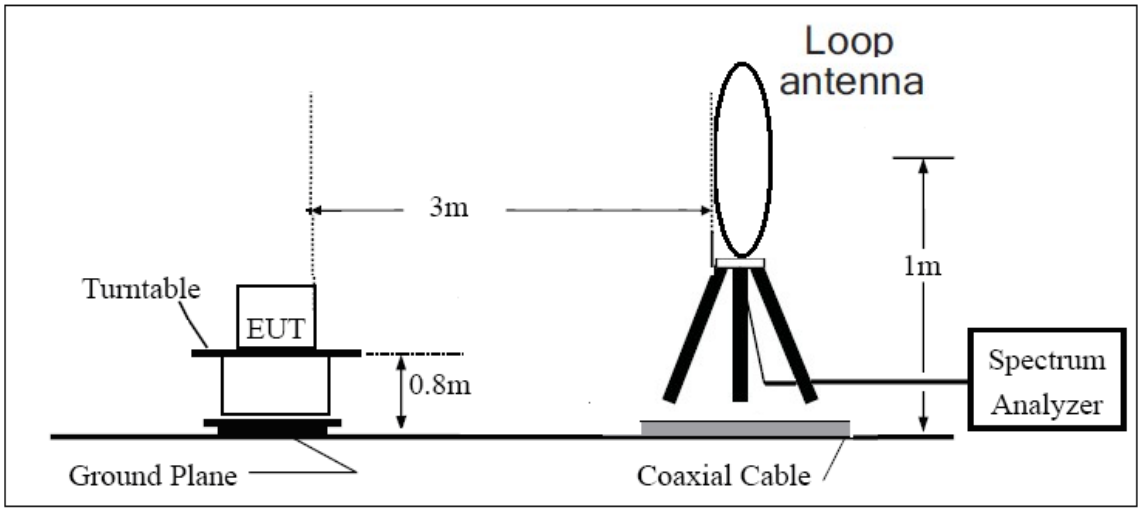
During the test, below 30MHz, the center of the loop shall be 1 meters; above 30MHz, the height of receive antenna shall be moved from 1 to 4 meters, and the antenna shall be performed under horizontal and vertical polarization. The turntable shall be rotated from 0 to 360 degrees for detecting the maximum of radiated spurious signal level. The measurements shall be repeated with orthogonal polarization of the test antenna. The data of cable loss and antenna factor has been calibrated in full testing frequency range before the testing.
Set the spectrum analyzer in the following:
Below 1GHz (detector: Peak and Quasi-Peak)
RBW=100 kHz / VBW=300 kHz / Sweep=AUTO
Above 1GHz (detector: Peak):
(a) PEAK: RBW=1MHz VBW=3MHz/ Sweep=AUTO
(b) AVERAGE: RBW=1MHz / VBW=3MHz / Sweep=AUTO

The radiated emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in stand-up position (Z axis) and the worst case was recorded.

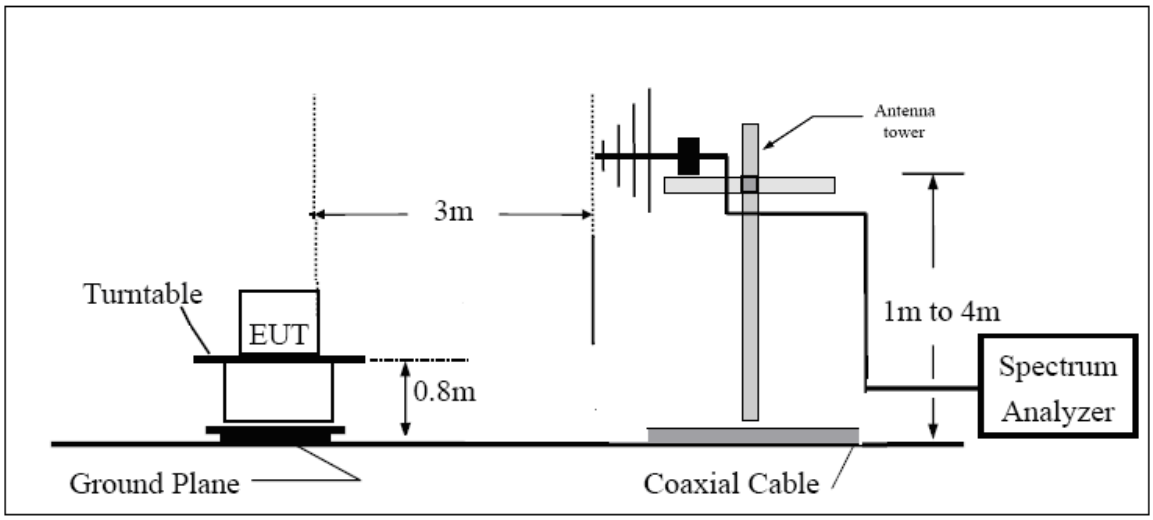
The test is in transmitting mode.

Test setup

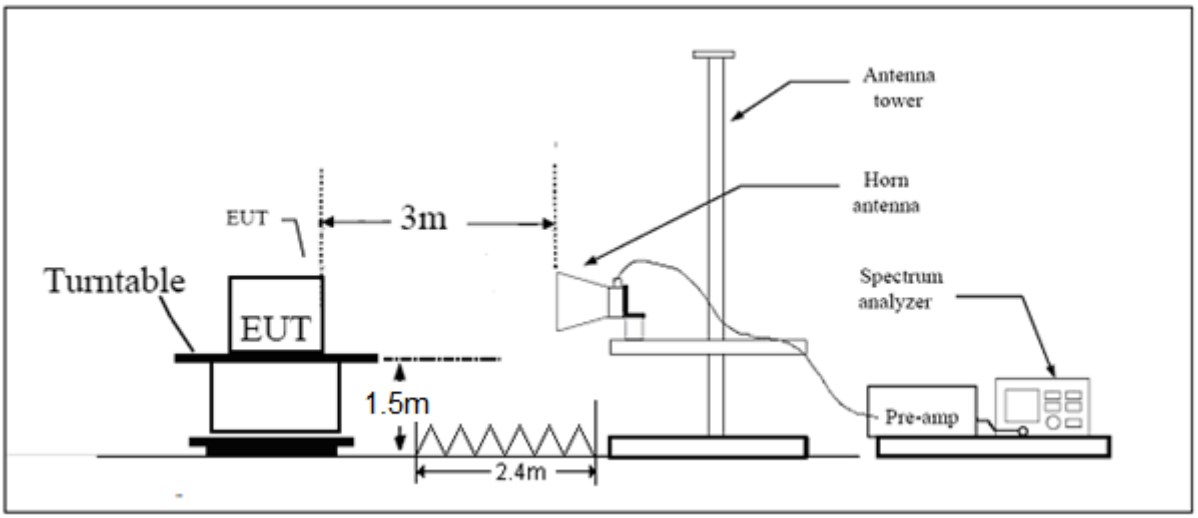
9KHz~~~ 30MHz



30MHz~~~ 1GHz



Above 1GHz



Note: Area side:2.4mX3.6m

Limits

Rule Part 15.247(d) specifies that “In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).”

Limit in restricted band

Frequency of emission (MHz)	Field strength(uV/m)	Field strength(dBuV/m)
0.009–0.490	2400/F(kHz)	/
0.490–1.705	24000/F(kHz)	/
1.705–30.0	30	/
30-88	100	40
88-216	150	43.5
216-960	200	46
Above960	500	54

§15.35(b)

There is also a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

Measurement Uncertainty

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

Frequency	Uncertainty
9KHz-30MHz	3.55 dB
30MHz-200MHz	4.19 dB
200MHz-1GHz	3.63 dB
Above 1GHz	3.68 dB

Test result

Sweep from 9 kHz to 30MHz, and the emissions more than 20 dB below the permissible value are not reported.

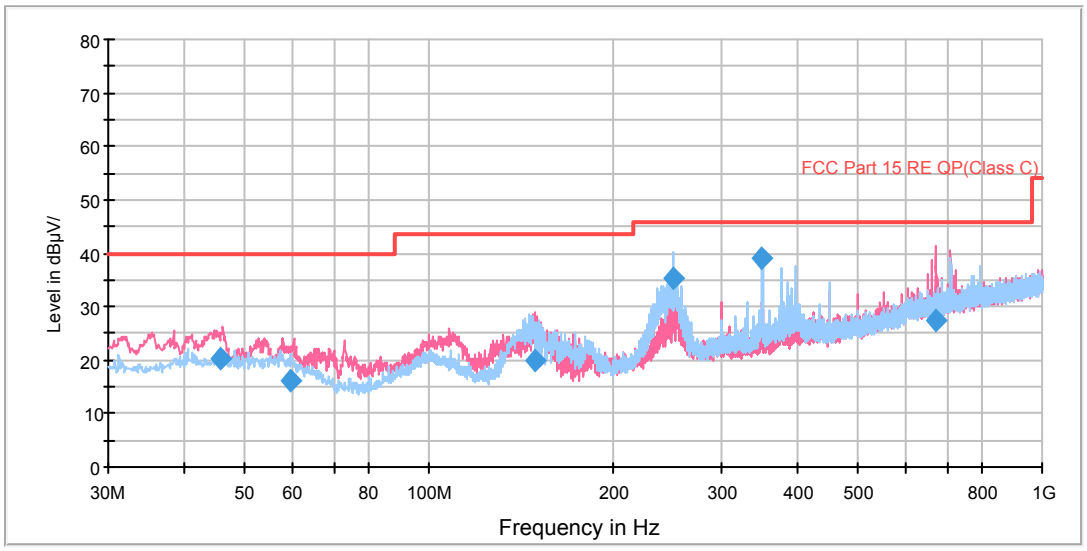
The following graphs display the maximum values of horizontal and vertical by software.

For above 1GHz, Blue trace uses the peak detection, Green trace uses the average detection.

Antenna 1

802.11b CH1

FCC RE 0.03-1GHz QP Class C



Radiates Emission from 30MHz to 1GHz

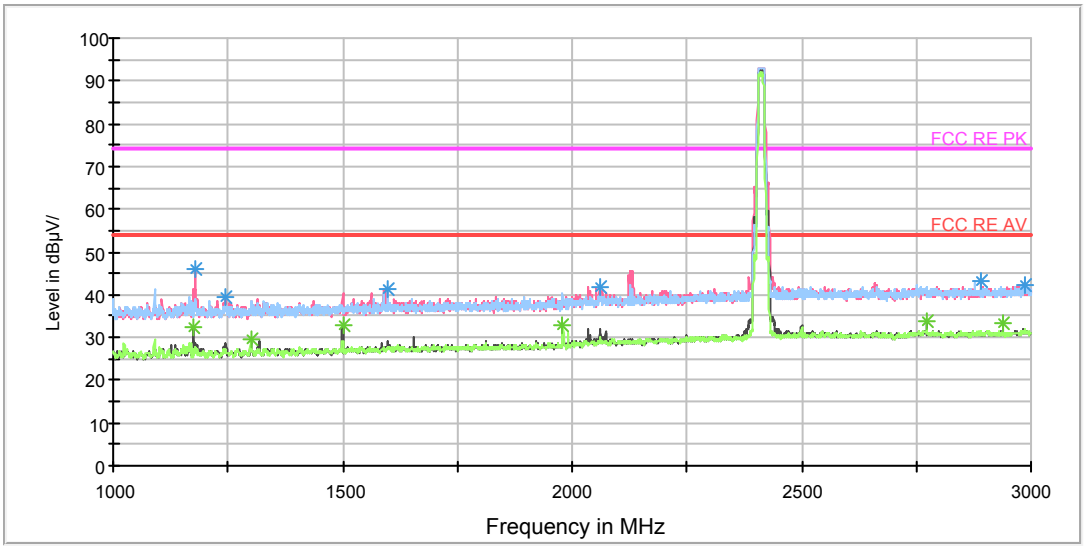
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
45.566250	20.2	100.0	V	29.0	33.3	13.1	19.8	40.0
59.591250	16.1	100.0	V	4.0	28.6	12.5	23.9	40.0
148.950000	19.9	100.0	V	235.0	29.0	9.1	23.6	43.5
249.987500	35.3	114.0	H	95.0	49.4	14.1	10.7	46.0
349.978750	39.2	100.0	H	132.0	55.9	16.7	6.8	46.0
673.107500	27.6	100.0	V	242.0	50.3	22.7	18.4	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-6GHz PK+AV Class A



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

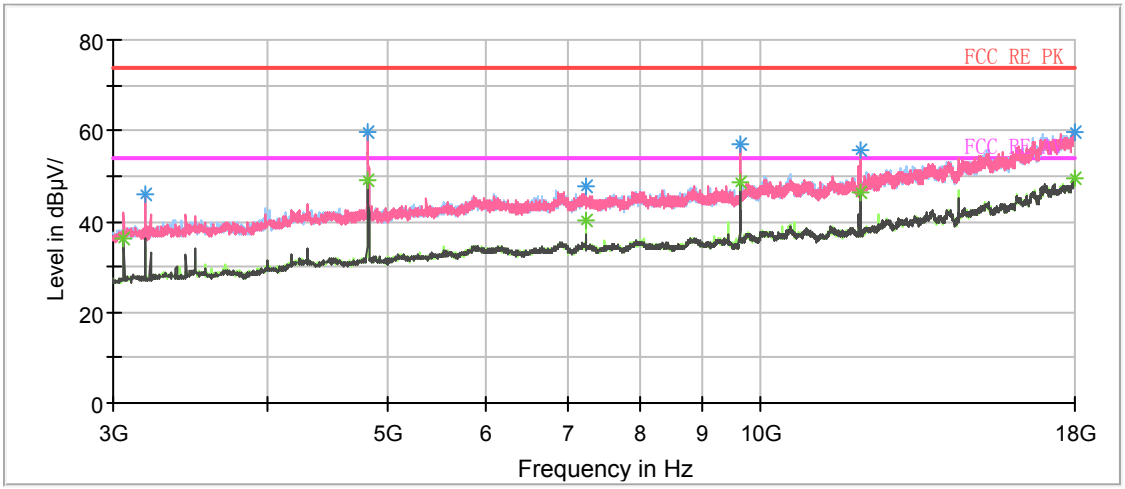
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1179.000000	45.8	100.0	V	251.0	56.5	-10.7	28.2	74
1243.500000	39.4	100.0	V	92.0	49.8	-10.4	34.6	74
1598.500000	41.5	100.0	V	103.0	50.5	-9.0	32.5	74
2059.000000	41.8	100.0	V	210.0	49.2	-7.4	32.2	74
2892.500000	43.3	100.0	V	273.0	47.5	-4.2	30.7	74
2987.000000	42.0	100.0	H	6.0	46.0	-4.0	32.0	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)
1174.000000	32.4	100.0	V	220.0	43.2	-10.8	21.6	54
1300.000000	29.8	100.0	V	49.0	39.9	-10.1	24.2	54
1500.000000	33.1	100.0	V	295.0	42.6	-9.5	20.9	54
1980.000000	33.1	100.0	H	0.0	41.0	-7.9	20.9	54
2772.000000	33.6	100.0	V	26.0	37.9	-4.3	20.4	54
2937.500000	33.5	100.0	H	21.0	37.6	-4.1	20.5	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

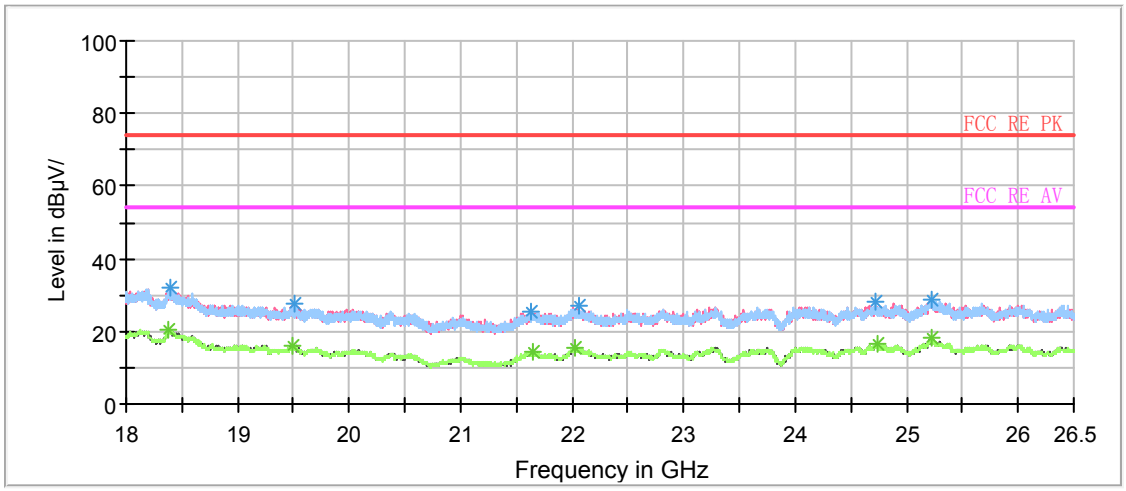
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3061.875000	42.0	101.0	V	43.0	43.6	-1.6	32.0	74
4820.625000	56.4	101.0	V	43.0	59.1	2.7	17.6	74
7233.750000	47.8	101.0	H	285.0	56.5	8.7	26.2	74
9648.750000	56.4	101.0	H	109.0	66.9	10.5	17.6	74
12061.875000	54.9	101.0	V	58.0	68.5	13.6	19.1	74
17998.125000	58.1	101.0	H	184.0	83.5	25.4	15.9	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)
3061.875000	36.2	101.0	V	43.0	37.8	-1.6	17.8	54
4820.625000	49.1	101.0	V	43.0	51.8	2.7	4.9	54
7233.750000	40.1	101.0	H	285.0	48.8	8.7	13.9	54
9648.750000	48.6	101.0	H	109.0	59.1	10.5	5.4	54
12061.875000	46.4	101.0	V	58.0	60.0	13.6	7.6	54
17998.125000	49.5	101.0	H	184.0	74.9	25.4	4.5	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)
18387.812500	32.1	H	211.0	37.0	-4.9	41.9	74
19518.312500	27.4	H	84.0	34.8	-7.4	46.6	74
21634.812500	25.7	V	0.0	34.8	-9.1	48.3	74
22055.562500	26.9	V	226.0	35.0	-8.1	47.1	74
24723.500000	27.9	H	50.0	34.1	-6.2	46.1	74
25225.000000	29.0	H	0.0	34.9	-5.9	45.0	74

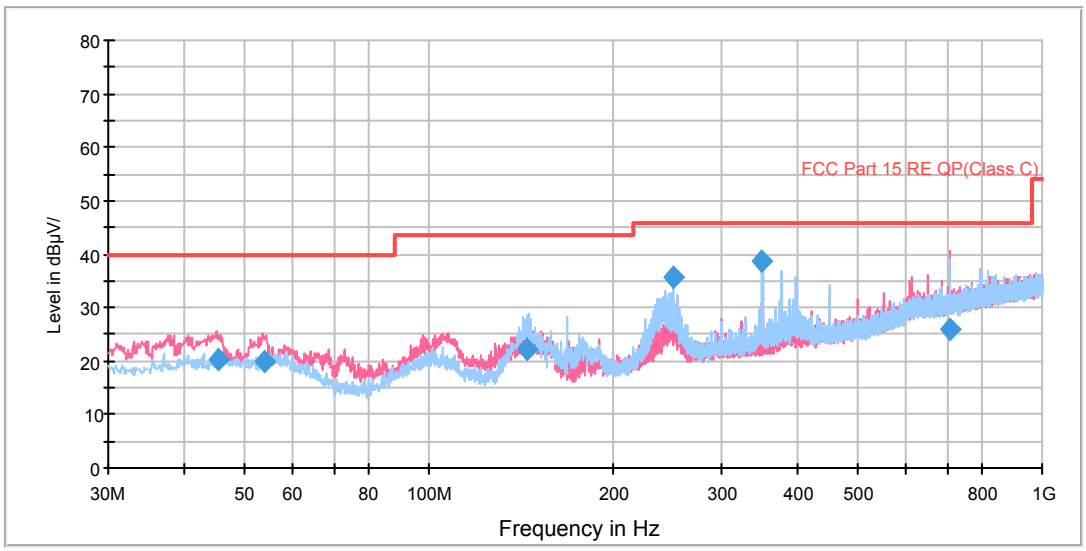
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18380.375000	20.4	V	192.0	25.2	-4.8	33.6	54
19488.562500	16.1	V	302.0	23.8	-7.7	37.9	54
21644.375000	14.4	V	319.0	23.5	-9.1	39.6	54
22030.062500	15.5	V	259.0	23.5	-8.0	38.5	54
24734.125000	16.3	V	268.0	22.6	-6.3	37.7	54
25227.125000	18.0	V	226.0	23.9	-5.9	36.0	54

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

802.11b CH6

FCC RE 0.03-1GHz QP Class C



Radiates Emission from 30MHz to 1GHz

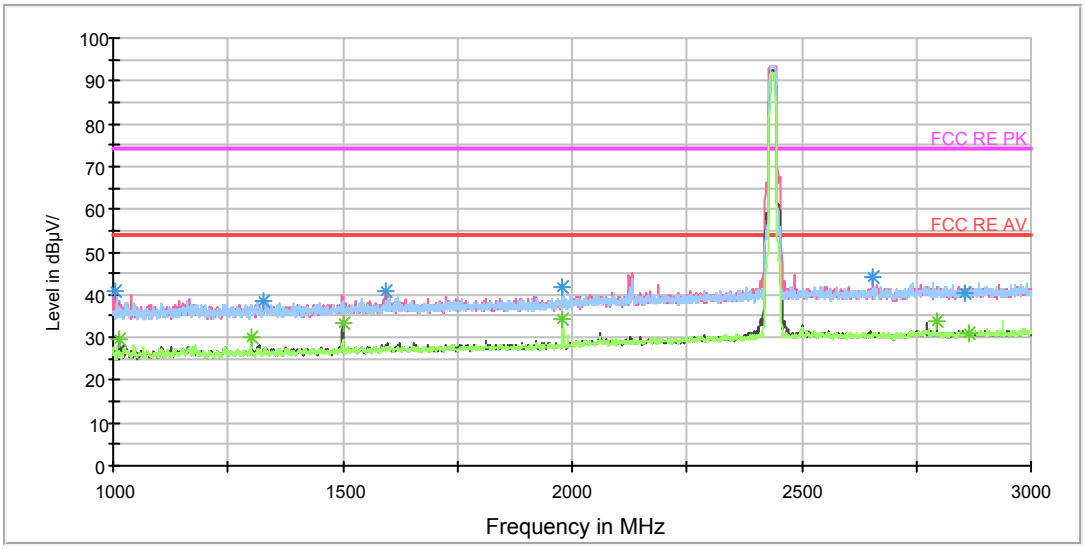
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
45.355000	20.3	100.0	V	0.0	33.4	13.1	19.7	40.0
54.010000	19.9	100.0	V	28.0	32.7	12.8	20.1	40.0
144.667500	22.0	114.0	H	129.0	31.0	9.0	21.5	43.5
249.987500	35.6	125.0	H	95.0	49.7	14.1	10.4	46.0
349.978750	38.6	100.0	H	150.0	55.3	16.7	7.4	46.0
709.487500	25.8	114.0	V	255.0	48.8	23.0	20.2	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-6GHz PK+AV Class A



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

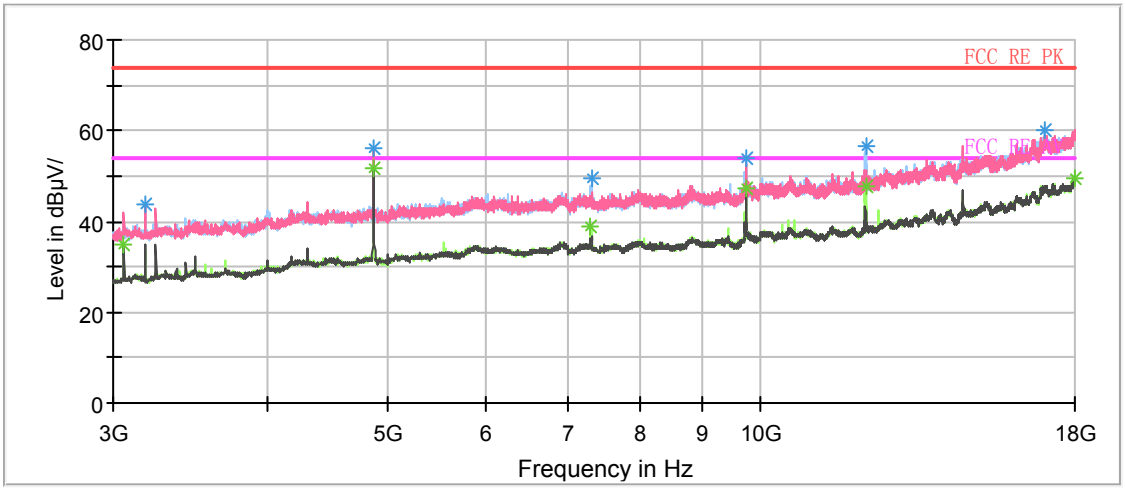
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1003.500000	40.7	100.0	V	38.0	52.1	-11.4	33.3	74
1329.500000	38.4	100.0	H	182.0	48.4	-10.0	35.6	74
1594.500000	40.6	100.0	V	326.0	49.6	-9.0	33.4	74
1980.000000	41.7	100.0	H	4.0	49.6	-7.9	32.3	74
2656.500000	44.3	100.0	V	146.0	48.9	-4.6	29.7	74
2857.500000	40.4	100.0	V	283.0	44.6	-4.2	33.6	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)
1013.500000	29.7	100.0	V	209.0	41.1	-11.4	24.3	54
1300.000000	30.0	100.0	H	323.0	40.1	-10.1	24.0	54
1500.000000	33.2	100.0	V	92.0	42.7	-9.5	20.8	54
1980.000000	34.4	100.0	H	4.0	42.3	-7.9	19.6	54
2795.500000	34.0	100.0	V	60.0	38.2	-4.2	20.0	54
2864.000000	30.8	100.0	H	44.0	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

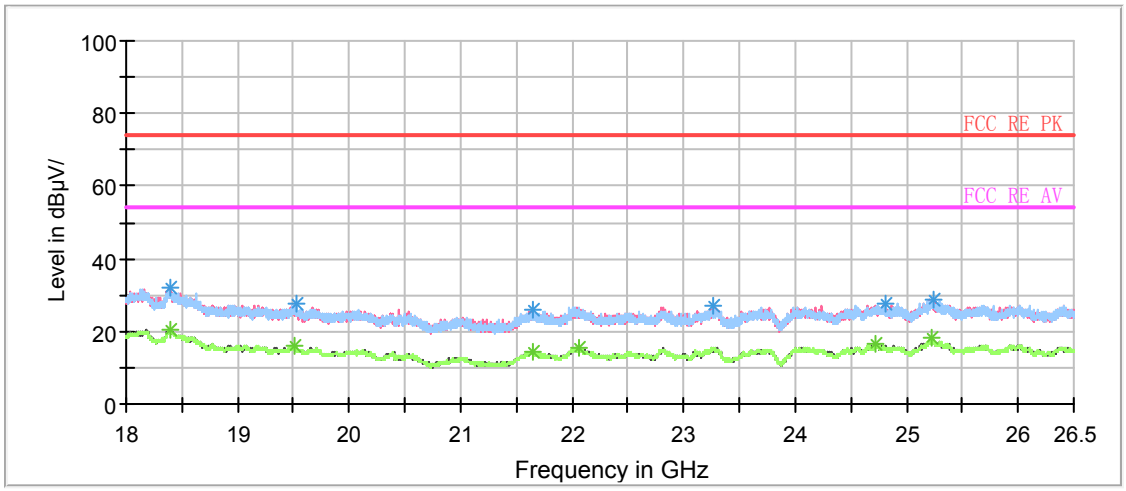
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3061.875000	42.1	101.0	V	32.0	43.7	-1.6	31.9	74
4873.125000	55.9	101.0	V	18.0	58.9	3.0	18.1	74
7306.875000	46.3	101.0	H	289.0	54.9	8.6	27.7	74
9748.125000	54.0	101.0	H	289.0	65.6	11.6	20.0	74
12187.500000	56.5	101.0	H	42.0	70.0	13.5	17.5	74
17990.625000	58.7	101.0	H	232.0	84.0	25.3	15.3	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)
3061.875000	35.0	101.0	V	32.0	36.6	-1.6	19.0	54
4873.125000	51.7	101.0	V	18.0	54.7	3.0	2.3	54
7306.875000	39.0	101.0	H	289.0	47.6	8.6	15.0	54
9748.125000	47.4	101.0	H	289.0	59.0	11.6	6.6	54
12187.500000	47.9	101.0	H	42.0	61.4	13.5	6.1	54
17990.625000	49.6	101.0	H	232.0	74.9	25.3	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)
18391.000000	31.8	V	89.0	36.7	-4.9	42.2	74
19521.500000	27.7	H	194.0	35.1	-7.4	46.3	74
21648.625000	26.0	H	194.0	35.2	-9.2	48.0	74
23264.687500	27.3	H	67.0	34.6	-7.3	46.7	74
24813.812500	27.6	V	190.0	34.5	-6.9	46.4	74
25239.875000	28.9	V	285.0	35.1	-6.2	45.1	74

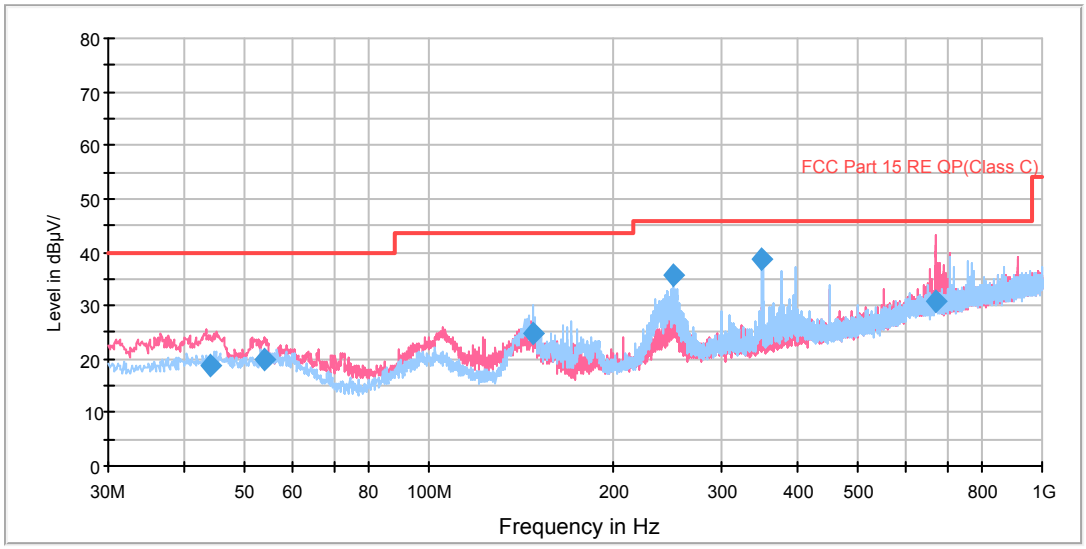
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18395.250000	20.6	H	93.0	25.5	-4.9	33.4	54
19505.562500	16.1	H	102.0	23.6	-7.5	37.9	54
21645.437500	14.4	V	106.0	23.5	-9.1	39.6	54
22056.625000	15.7	V	344.0	23.8	-8.1	38.3	54
24724.562500	16.3	H	0.0	22.5	-6.2	37.7	54
25223.937500	18.0	H	0.0	23.9	-5.9	36.0	54

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

802.11b CH11

FCC RE 0.03-1GHz QP Class C



Radiates Emission from 30MHz to 1GHz

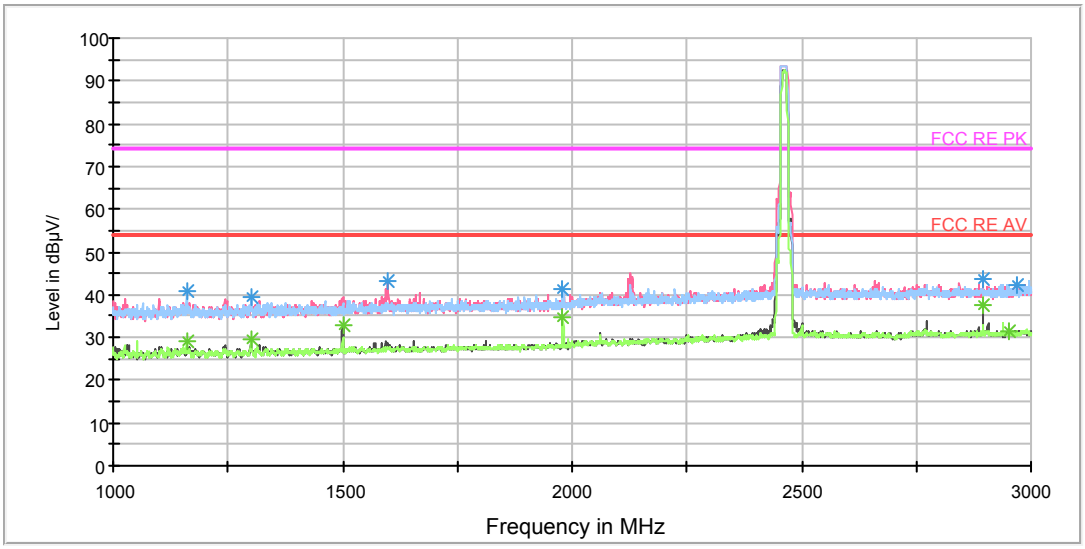
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
43.937500	18.9	100.0	V	195.0	32.0	13.1	21.1	40.0
54.006250	19.8	100.0	V	25.0	32.6	12.8	20.2	40.0
147.497500	24.6	125.0	H	116.0	33.7	9.1	18.9	43.5
249.987500	35.7	125.0	H	258.0	49.8	14.1	10.3	46.0
349.978750	38.5	100.0	H	144.0	55.2	16.7	7.5	46.0
669.842500	30.7	100.0	V	238.0	53.4	22.7	15.3	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

RE 1G-6GHz PK+AV Class A



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

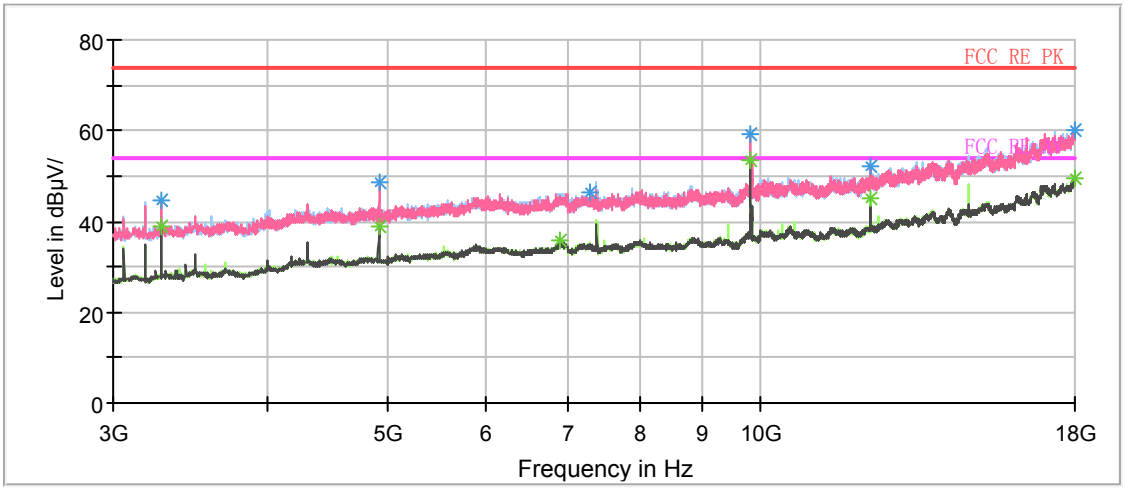
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1159.500000	40.7	100.0	H	289.0	51.5	-10.8	33.3	74
1300.000000	39.3	100.0	H	30.0	49.4	-10.1	34.7	74
1598.000000	43.3	100.0	V	146.0	52.3	-9.0	30.7	74
1980.000000	41.2	100.0	H	0.0	49.1	-7.9	32.8	74
2895.500000	43.8	100.0	V	210.0	48.0	-4.2	30.2	74
2969.500000	42.4	100.0	V	0.0	46.5	-4.1	31.6	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)
1159.500000	29.3	100.0	H	289.0	40.1	-10.8	24.7	54
1300.000000	29.6	100.0	H	30.0	39.7	-10.1	24.4	54
1500.000000	32.8	100.0	V	92.0	42.3	-9.5	21.2	54
1980.000000	34.9	100.0	H	0.0	42.8	-7.9	19.1	54
2895.500000	37.6	100.0	V	210.0	41.8	-4.2	16.4	54
2953.000000	31.4	100.0	V	352.0	35.5	-4.1	22.6	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

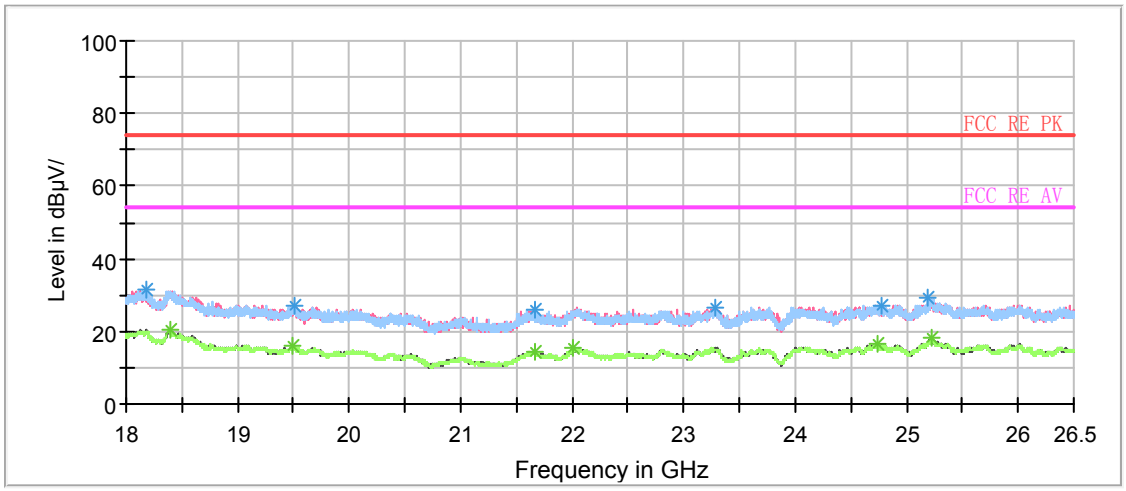
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3281.250000	44.7	101.0	V	44.0	46.2	-1.5	29.3	74
4923.750000	48.7	101.0	V	30.0	51.8	3.1	25.3	74
6905.625000	44.7	101.0	V	75.0	51.6	6.9	29.3	74
9847.500000	59.1	101.0	V	0.0	70.9	11.8	14.9	74
12311.250000	52.2	101.0	H	254.0	66.2	14.0	21.8	74
17990.625000	59.2	101.0	H	0.0	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)
3281.250000	38.7	101.0	V	44.0	40.2	-1.5	15.3	54
4923.750000	39.1	101.0	V	30.0	42.2	3.1	14.9	54
6905.625000	35.6	101.0	V	75.0	42.5	6.9	18.4	54
9847.500000	53.6	101.0	V	0.0	65.4	11.8	0.4	54
12311.250000	44.9	101.0	H	254.0	58.9	14.0	9.1	54
17990.625000	49.5	101.0	H	0.0	74.8	25.3	4.5	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	31.7	V	172.0	36.6	-4.9	42.3	74
19503.437500	27.1	V	280.0	34.6	-7.5	46.9	74
21665.625000	25.9	V	97.0	35.2	-9.3	48.1	74
23275.312500	26.4	V	148.0	33.6	-7.2	47.6	74
24775.562500	27.2	V	222.0	34.0	-6.8	46.8	74
25187.812500	29.2	H	3.0	36.2	-7.0	44.8	74

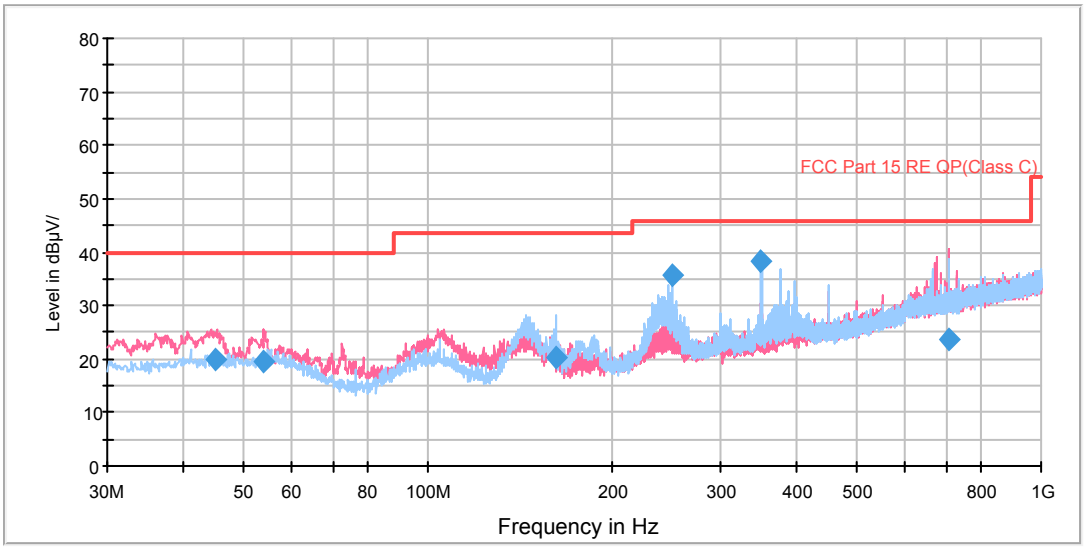
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18397.375000	20.4	H	11.0	25.3	-4.9	33.6	54
19494.937500	16.0	H	94.0	23.6	-7.6	38.0	54
21665.625000	14.5	V	97.0	23.8	-9.3	39.5	54
22016.250000	15.4	V	35.0	23.5	-8.1	38.6	54
24730.937500	16.6	V	0.0	22.8	-6.2	37.4	54
25218.625000	18.0	V	355.0	24.0	-6.0	36.0	54

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

802.11g CH1

FCC RE 0.03-1GHz QP Class C



Radiates Emission from 30MHz to 1GHz

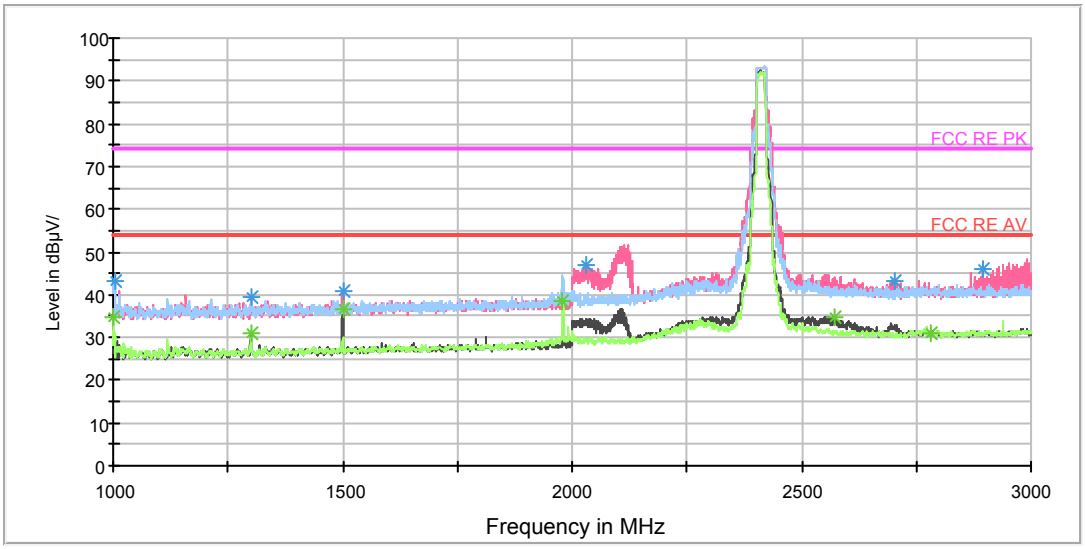
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
45.077500	19.9	100.0	V	56.0	33.0	13.1	20.1	40.0
54.047500	19.6	100.0	V	41.0	32.4	12.8	20.4	40.0
161.998750	20.4	114.0	H	104.0	30.2	9.8	23.1	43.5
249.987500	35.8	118.0	H	268.0	49.9	14.1	10.2	46.0
350.018750	38.4	100.0	H	140.0	55.1	16.7	7.6	46.0
709.201250	23.7	100.0	V	256.0	46.7	23.0	22.3	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

RE 1G-6GHz PK+AV Class A



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

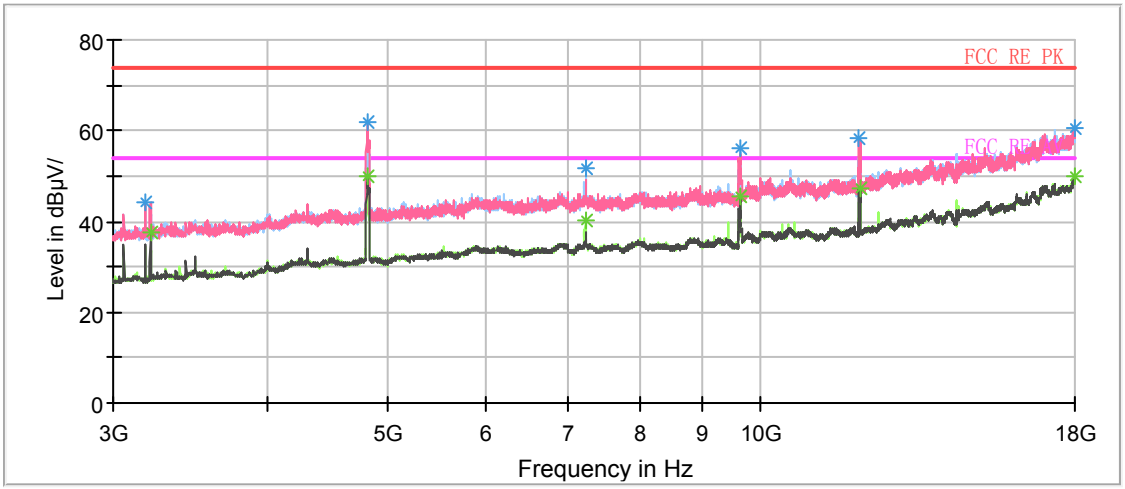
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1004.000000	43.2	100.0	H	176.0	54.6	-11.4	30.8	74
1300.000000	39.4	100.0	V	128.0	49.5	-10.1	34.6	74
1500.000000	40.7	100.0	V	95.0	50.2	-9.5	33.3	74
2032.500000	46.8	100.0	V	84.0	54.4	-7.6	27.2	74
2702.500000	43.1	100.0	V	214.0	47.6	-4.5	30.9	74
2893.500000	46.0	100.0	V	73.0	50.2	-4.2	28.0	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)
1000.500000	34.7	100.0	H	176.0	46.1	-11.4	19.3	54
1300.000000	31.0	100.0	V	128.0	41.1	-10.1	23.0	54
1500.000000	36.6	100.0	V	95.0	46.1	-9.5	17.4	54
1980.000000	38.6	100.0	H	0.0	46.5	-7.9	15.4	54
2571.500000	34.9	100.0	V	50.0	39.6	-4.7	19.1	54
2782.000000	31.2	100.0	V	38.0	35.4	-4.2	22.8	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

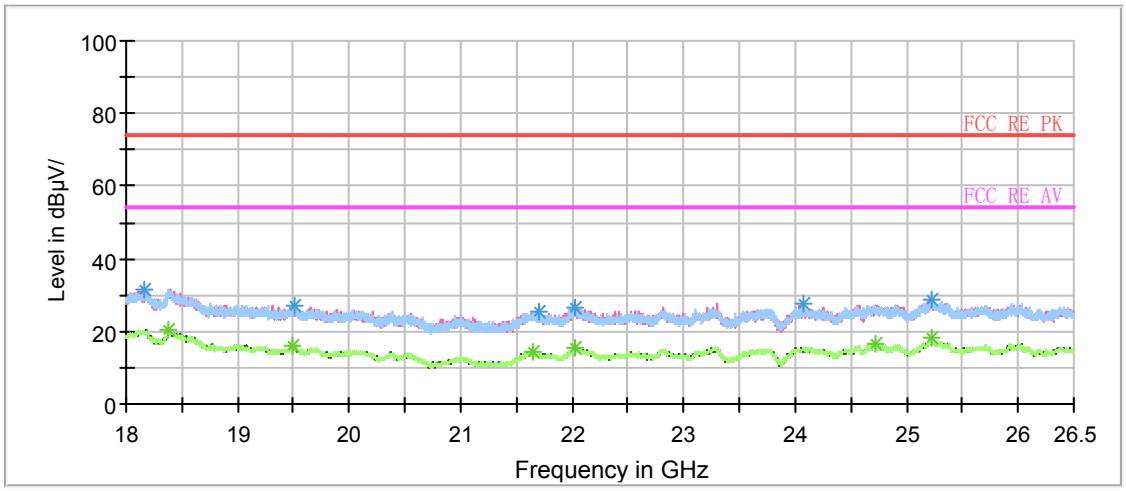
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3215.625000	44.1	101.0	V	46.0	45.8	-1.7	29.9	74
4815.000000	61.8	101.0	V	298.0	64.5	2.7	12.2	74
7228.125000	51.8	101.0	H	242.0	60.5	8.7	22.2	74
9641.250000	54.4	101.0	H	28.0	64.8	10.4	19.6	74
12063.750000	58.0	101.0	V	314.0	71.6	13.6	16.0	74
18000.000000	59.6	101.0	H	327.0	85.0	25.4	14.4	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	37.7	101.0	V	46.0	39.4	-1.7	16.3	54
4815.000000	50.1	101.0	V	298.0	52.8	2.7	3.9	54
7228.125000	40.1	101.0	H	242.0	48.8	8.7	13.9	54
9641.250000	45.4	101.0	H	28.0	55.8	10.4	8.6	54
12063.750000	47.3	101.0	V	314.0	60.9	13.6	6.7	54
18000.000000	49.8	101.0	H	327.0	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)
18158.312500	31.6	V	207.0	36.7	-5.1	42.4	74
19513.000000	27.1	V	157.0	34.6	-7.5	46.9	74
21698.562500	25.3	V	233.0	34.6	-9.3	48.7	74
22029.000000	26.7	H	0.0	34.7	-8.0	47.3	74
24080.687500	27.4	H	82.0	35.2	-7.8	46.6	74
25220.750000	28.8	V	0.0	34.8	-6.0	45.2	74

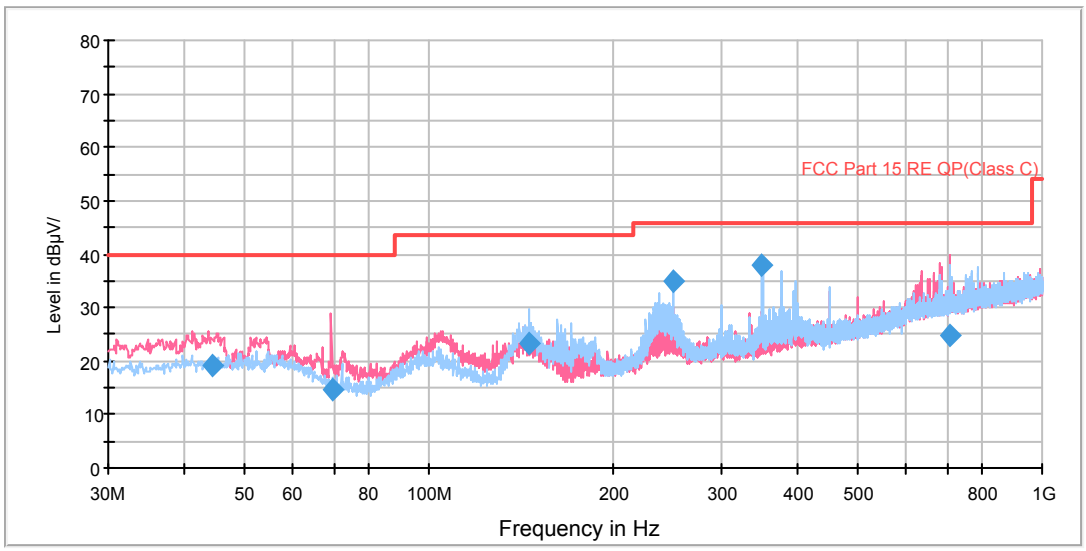
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18381.437500	20.5	H	106.0	25.3	-4.8	33.5	54
19489.625000	16.2	H	239.0	23.8	-7.6	37.8	54
21656.062500	14.5	H	179.0	23.7	-9.2	39.5	54
22024.750000	15.6	H	48.0	23.6	-8.0	38.4	54
24728.812500	16.4	H	171.0	22.6	-6.2	37.6	54
25225.000000	18.0	H	206.0	23.9	-5.9	36.0	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

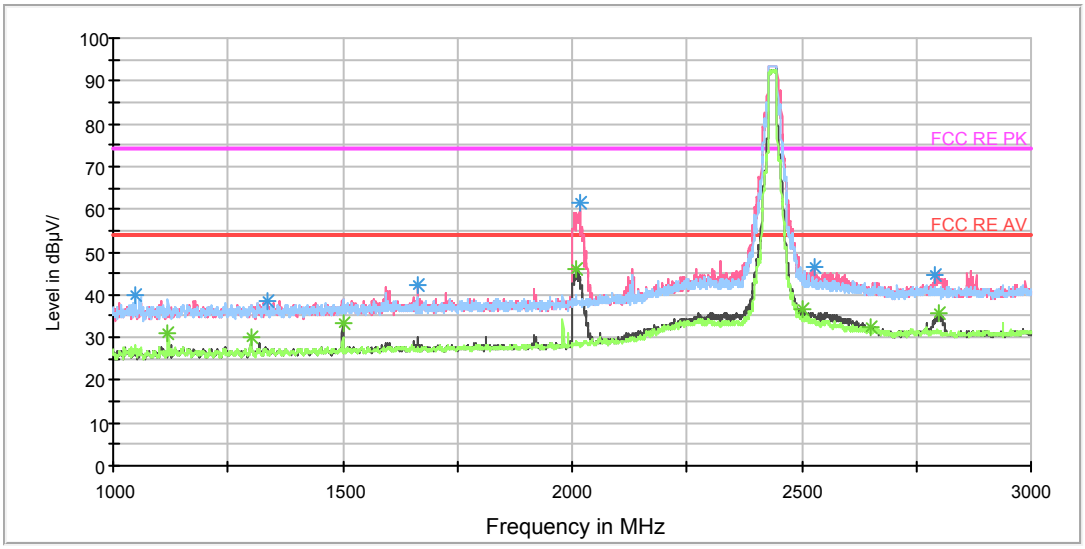
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
44.301250	19.2	100.0	V	130.0	32.3	13.1	20.8	40.0
69.606250	14.8	125.0	V	351.0	23.5	8.7	25.2	40.0
145.313750	23.2	114.0	H	90.0	32.2	9.0	20.3	43.5
249.988750	34.9	125.0	H	101.0	49.0	14.1	11.1	46.0
349.978750	38.1	100.0	H	153.0	54.8	16.7	7.9	46.0
709.243750	24.9	100.0	V	298.0	47.9	23.0	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

RE 1G-6GHz PK+AV Class A



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

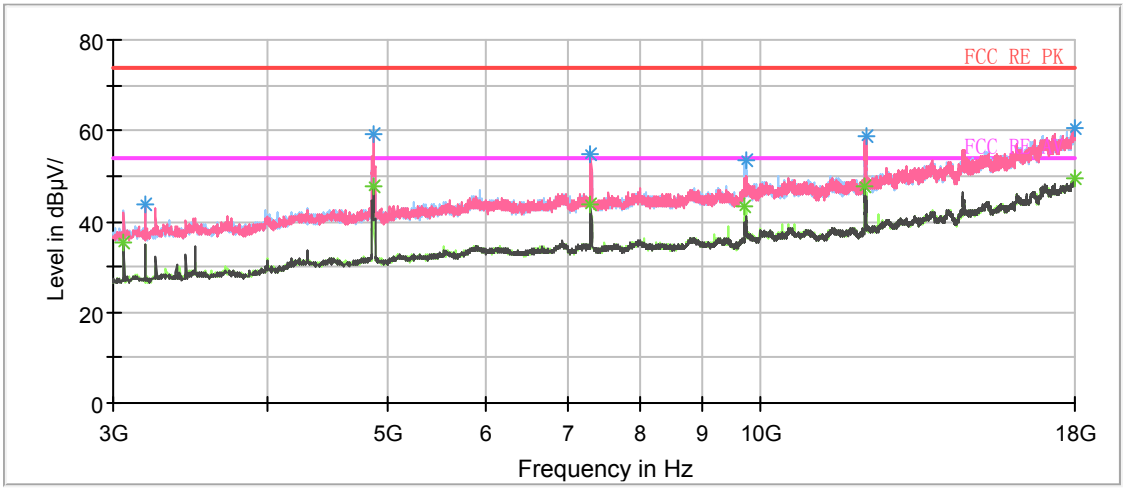
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1048.500000	39.9	100.0	H	183.0	51.1	-11.2	34.1	74
1337.000000	38.6	100.0	V	231.0	48.6	-10.0	35.4	74
1664.000000	42.5	100.0	V	262.0	51.3	-8.8	31.5	74
2017.000000	61.5	100.0	V	61.0	69.2	-7.7	12.5	74
2527.000000	46.5	100.0	V	49.0	51.4	-4.9	27.5	74
2791.000000	44.8	100.0	V	199.0	49.0	-4.2	29.2	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)
1120.000000	31.2	100.0	H	226.0	42.1	-10.9	22.8	54
1300.000000	30.1	100.0	H	0.0	40.2	-10.1	23.9	54
1500.000000	33.1	100.0	V	93.0	42.6	-9.5	20.9	54
2009.000000	45.9	100.0	V	61.0	53.7	-7.8	8.1	54
2500.000000	36.5	100.0	V	61.0	41.5	-5.0	17.5	54
2649.500000	32.3	100.0	V	315.0	36.9	-4.6	21.7	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

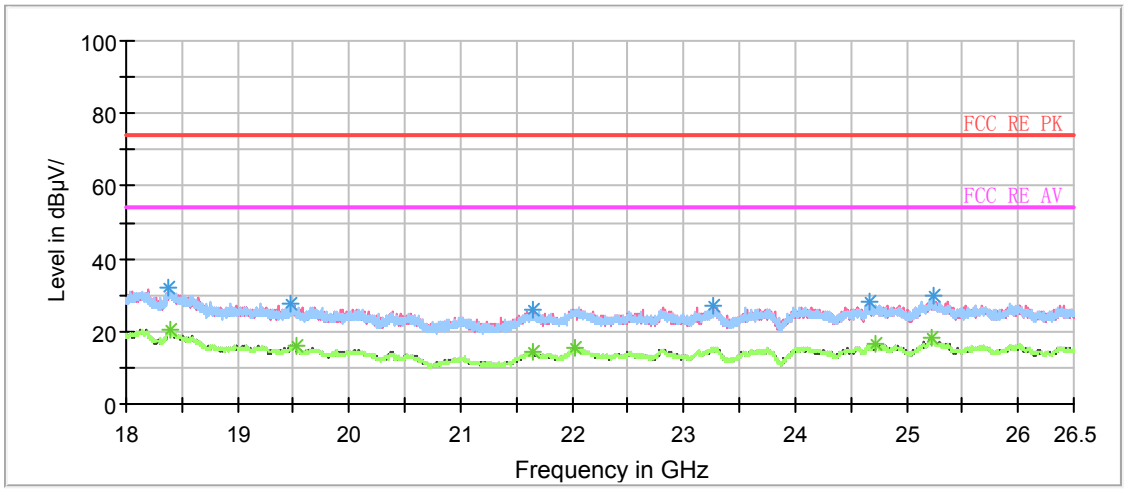
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3061.875000	42.0	101.0	V	43.0	43.6	-1.6	32.0	74
4873.125000	57.5	101.0	V	27.0	60.5	3.0	16.5	74
7305.000000	52.0	101.0	V	88.0	60.6	8.6	22.0	74
9740.625000	51.5	101.0	H	28.0	63.0	11.5	22.5	74
12183.750000	57.0	101.0	H	63.0	70.5	13.5	17.0	74
17994.375000	59.5	101.0	H	63.0	84.8	25.3	14.5	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)
3061.875000	35.5	101.0	V	43.0	37.1	-1.6	18.5	54
4873.125000	47.7	101.0	V	27.0	50.7	3.0	6.3	54
7305.000000	43.9	101.0	V	88.0	52.5	8.6	10.1	54
9740.625000	43.3	101.0	H	28.0	54.8	11.5	10.7	54
12183.750000	47.9	101.0	H	63.0	61.4	13.5	6.1	54
17994.375000	49.4	101.0	H	63.0	74.7	25.3	4.6	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)
18376.125000	31.9	V	249.0	36.6	-4.7	42.1	74
19470.500000	27.7	H	0.0	35.7	-8.0	46.3	74
21647.562500	25.8	H	94.0	35.0	-9.2	48.2	74
23266.812500	26.8	V	258.0	34.1	-7.3	47.2	74
24668.250000	28.0	V	358.0	35.2	-7.2	46.0	74
25233.500000	30.0	V	188.0	35.9	-5.9	44.0	74

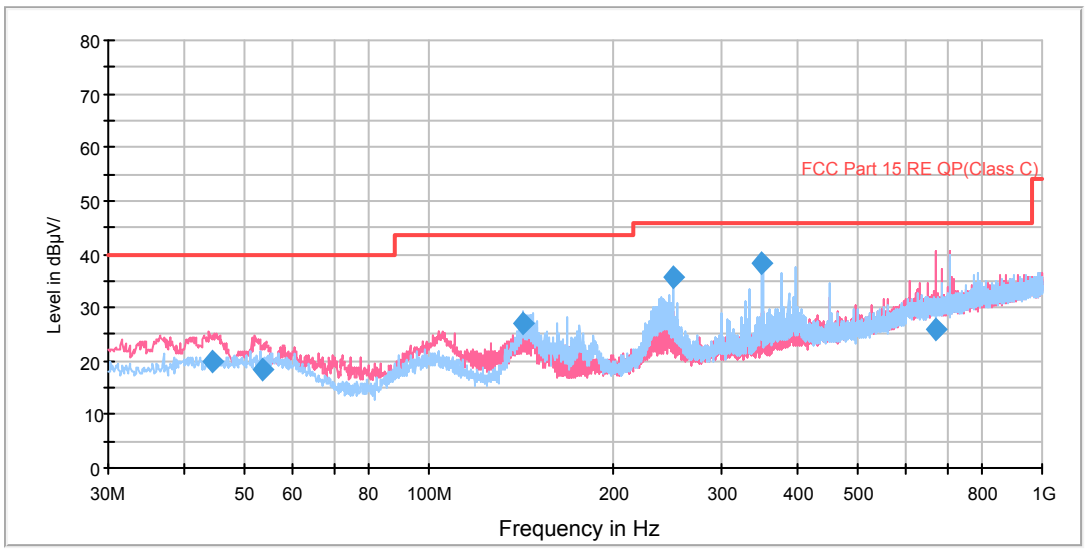
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18389.937500	20.4	H	53.0	25.3	-4.9	33.6	54
19519.375000	16.2	H	77.0	23.6	-7.4	37.8	54
21642.250000	14.5	V	233.0	23.6	-9.1	39.5	54
22026.875000	15.6	H	202.0	23.5	-7.9	38.4	54
24726.687500	16.4	H	0.0	22.6	-6.2	37.6	54
25226.062500	18.0	H	186.0	23.9	-5.9	36.0	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

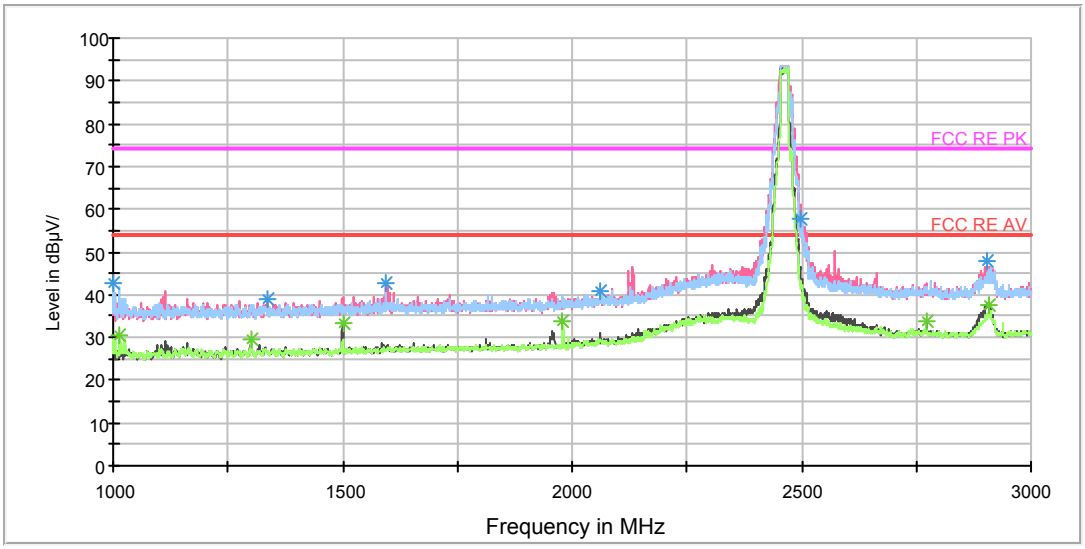
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
44.422500	19.8	100.0	V	0.0	32.9	13.1	20.2	40.0
53.690000	18.4	100.0	V	22.0	31.2	12.8	21.6	40.0
142.520000	26.9	125.0	H	110.0	35.9	9.0	16.6	43.5
249.987500	35.7	100.0	H	260.0	49.8	14.1	10.3	46.0
349.978750	38.2	100.0	H	169.0	54.9	16.7	7.8	46.0
671.453750	25.9	100.0	V	224.0	48.6	22.7	20.1	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-6GHz PK+AV Class A



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

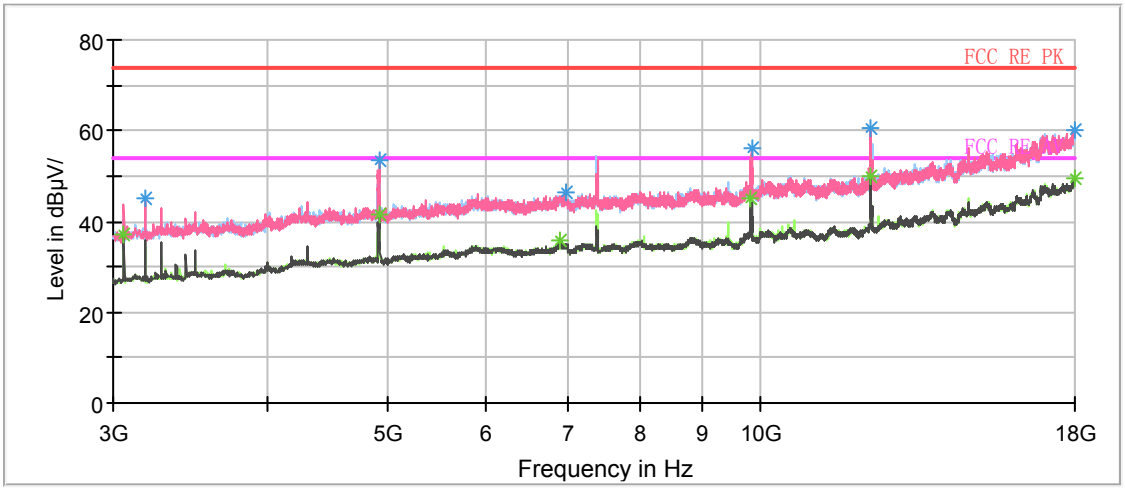
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1000.500000	42.7	100.0	H	354.0	54.1	-11.4	31.3	74
1335.500000	38.8	100.0	V	327.0	48.8	-10.0	35.2	74
1595.500000	42.8	100.0	V	38.0	51.8	-9.0	31.2	74
2062.500000	40.7	100.0	V	327.0	48.1	-7.4	33.3	74
2499.000000	57.8	100.0	V	61.0	62.8	-5.0	16.2	74
2904.500000	47.7	100.0	V	61.0	51.9	-4.2	26.3	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)
1013.500000	30.4	100.0	H	354.0	41.8	-11.4	23.6	54
1300.000000	29.7	100.0	H	323.0	39.8	-10.1	24.3	54
1500.000000	33.2	100.0	V	104.0	42.7	-9.5	20.8	54
1980.000000	33.8	100.0	H	1.0	41.7	-7.9	20.2	54
2772.000000	33.6	100.0	V	336.0	37.9	-4.3	20.4	54
2907.500000	37.7	100.0	V	306.0	41.9	-4.2	16.3	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

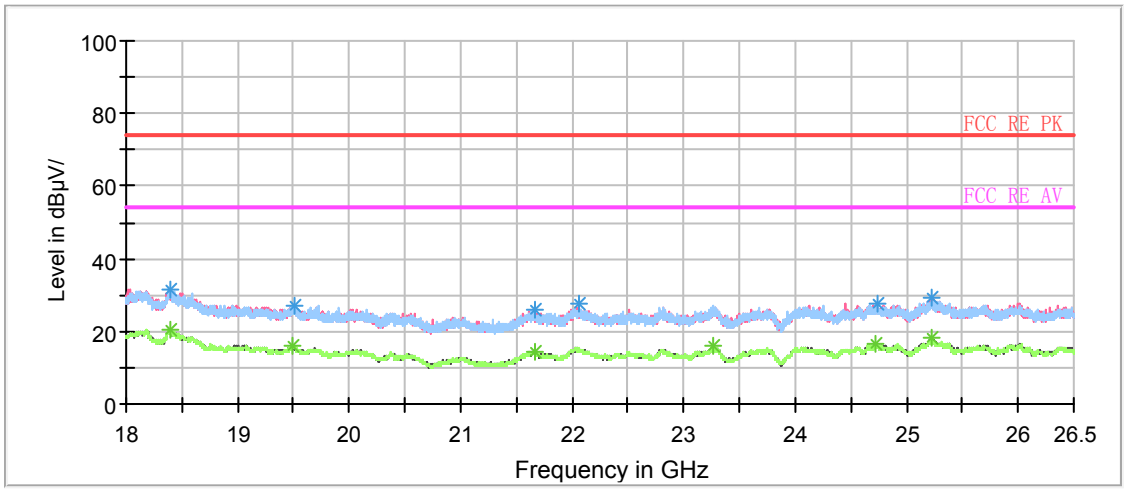
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3061.875000	43.9	101.0	V	35.0	45.5	-1.6	30.1	74
4921.875000	53.5	101.0	V	299.0	56.6	3.1	20.5	74
6901.875000	44.7	101.0	H	338.0	51.7	7.0	29.3	74
9847.500000	53.7	101.0	H	10.0	65.5	11.8	20.3	74
12316.875000	60.4	101.0	V	66.0	74.5	14.1	13.6	74
17996.250000	58.8	101.0	H	338.0	84.2	25.4	15.2	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)
3061.875000	37.2	101.0	V	35.0	38.8	-1.6	16.8	54
4921.875000	41.7	101.0	V	299.0	44.8	3.1	12.3	54
6901.875000	35.6	101.0	H	338.0	42.6	7.0	18.4	54
9847.500000	45.1	101.0	H	10.0	56.9	11.8	8.9	54
12316.875000	50.1	101.0	V	66.0	64.2	14.1	3.9	54
17996.250000	49.6	101.0	H	338.0	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)
18394.187500	31.5	H	277.0	36.4	-4.9	42.5	74
19516.187500	27.2	V	206.0	34.7	-7.5	46.8	74
21670.937500	25.9	H	8.0	35.2	-9.3	48.1	74
22067.250000	27.5	V	329.0	35.6	-8.1	46.5	74
24732.000000	27.6	H	74.0	33.9	-6.3	46.4	74
25230.312500	29.2	V	247.0	35.1	-5.9	44.8	74

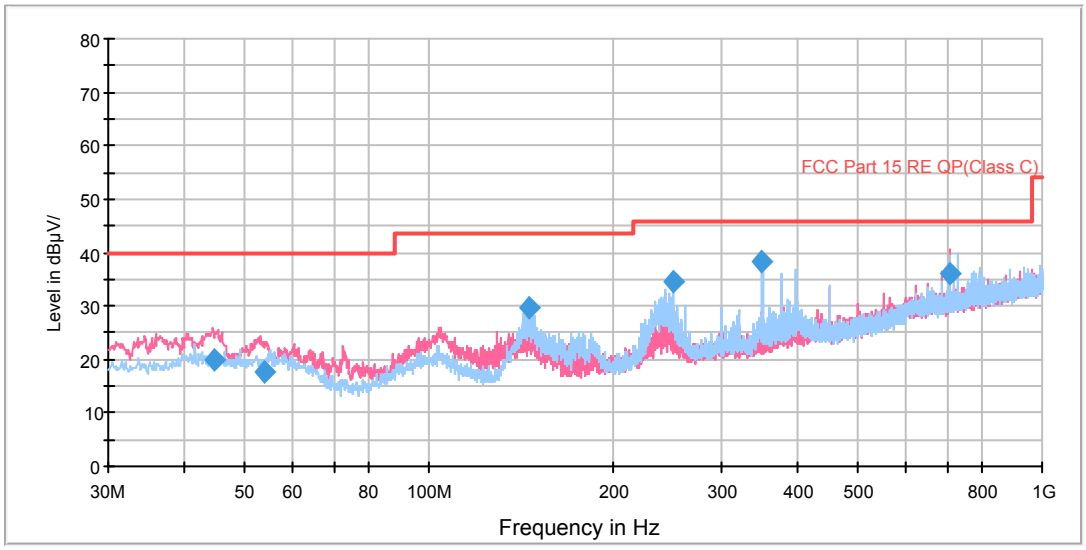
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18392.062500	20.6	V	338.0	25.5	-4.9	33.4	54
19486.437500	16.1	H	0.0	23.8	-7.7	37.9	54
21660.312500	14.3	H	192.0	23.5	-9.2	39.7	54
23258.312500	15.8	H	268.0	23.2	-7.4	38.2	54
24720.312500	16.4	V	329.0	22.7	-6.3	37.6	54
25229.250000	18.0	H	116.0	23.9	-5.9	36.0	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

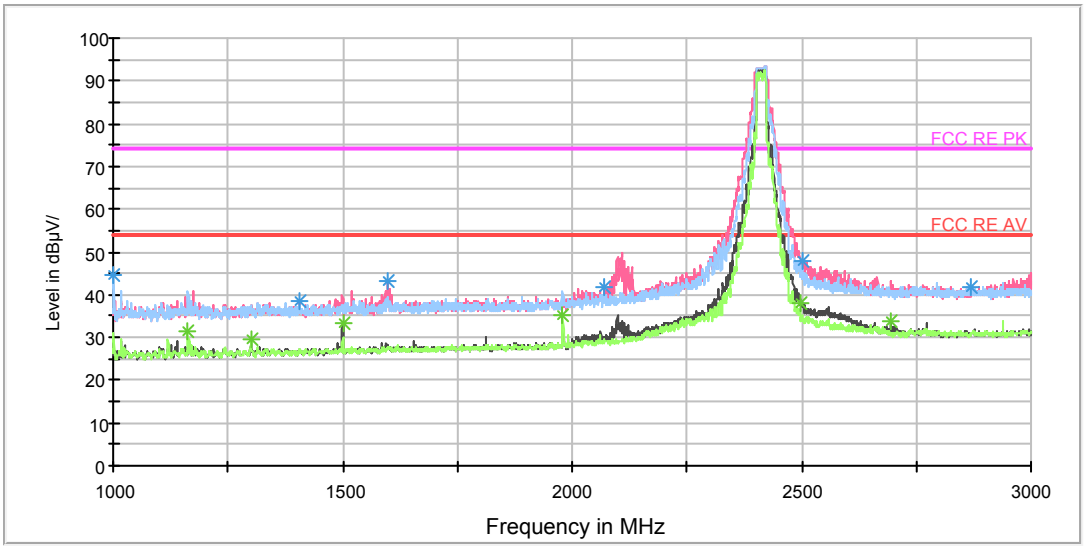
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
44.548750	20.0	100.0	V	0.0	33.1	13.1	20.0	40.0
54.088750	17.8	100.0	V	354.0	30.6	12.8	22.2	40.0
145.833750	29.6	125.0	H	95.0	38.6	9.0	13.9	43.5
249.988750	34.4	125.0	H	107.0	48.5	14.1	11.6	46.0
349.978750	38.4	100.0	H	166.0	55.1	16.7	7.6	46.0
709.162500	36.1	100.0	V	231.0	59.1	23.0	9.9	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-6GHz PK+AV Class A



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

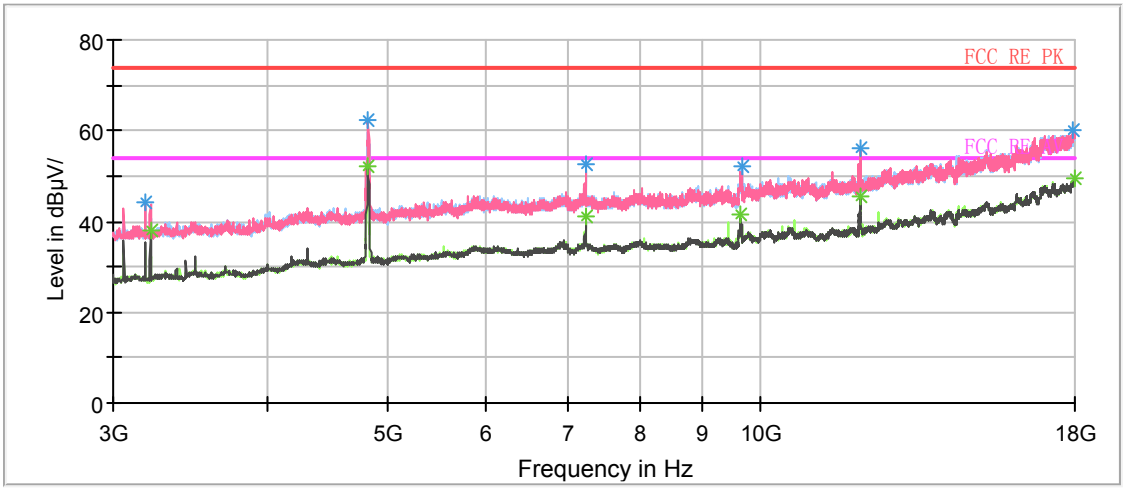
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1002.000000	44.8	100.0	H	21.0	56.2	-11.4	29.2	74
1406.000000	38.3	100.0	V	136.0	48.1	-9.8	35.7	74
1597.000000	43.2	100.0	V	126.0	52.2	-9.0	30.8	74
2068.500000	42.0	100.0	V	193.0	49.3	-7.3	32.0	74
2500.500000	47.8	100.0	V	214.0	52.8	-5.0	26.2	74
2869.000000	41.8	100.0	V	0.0	46.0	-4.2	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)
1163.000000	31.5	100.0	H	308.0	42.3	-10.8	22.5	54
1300.000000	29.7	100.0	V	49.0	39.8	-10.1	24.3	54
1500.000000	33.3	100.0	V	71.0	42.8	-9.5	20.7	54
1980.000000	35.2	100.0	H	4.0	43.1	-7.9	18.8	54
2499.000000	38.0	100.0	V	214.0	43.0	-5.0	16.0	54
2694.000000	34.0	100.0	V	193.0	38.5	-4.5	20.0	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

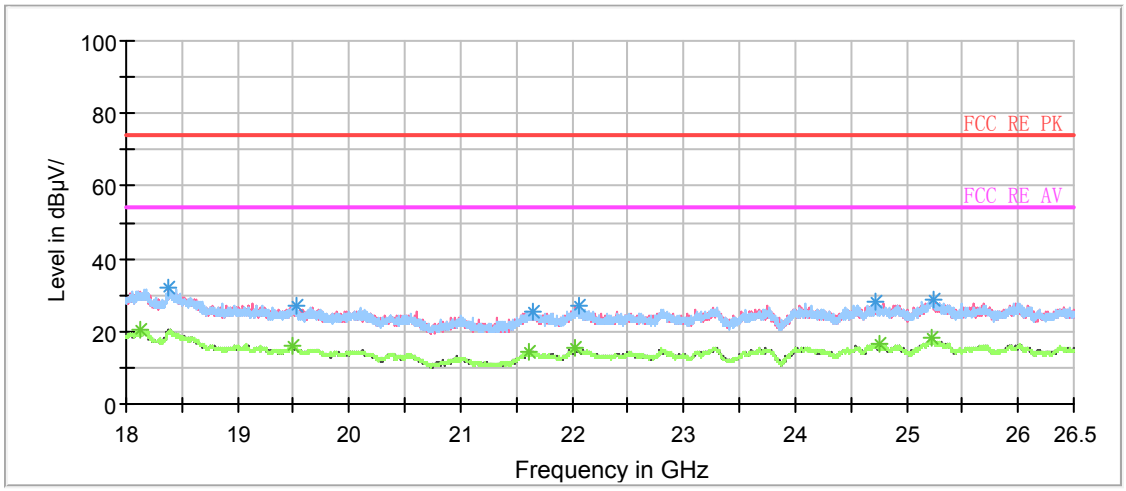
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3215.625000	43.9	101.0	V	104.0	45.6	-1.7	30.1	74
4822.500000	62.1	101.0	V	90.0	64.8	2.7	11.9	74
7237.500000	50.9	101.0	V	90.0	59.6	8.7	23.1	74
9648.750000	51.3	101.0	H	63.0	61.8	10.5	22.7	74
12056.250000	56.1	101.0	V	61.0	69.7	13.6	17.9	74
17985.000000	59.3	101.0	V	298.0	84.5	25.2	14.7	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)
3215.625000	37.8	101.0	V	104.0	39.5	-1.7	16.2	54
4822.500000	52.3	101.0	V	90.0	55.0	2.7	1.7	54
7237.500000	41.0	101.0	V	90.0	49.7	8.7	13.0	54
9648.750000	41.8	101.0	H	63.0	52.3	10.5	12.2	54
12056.250000	45.4	101.0	V	61.0	59.0	13.6	8.6	54
17985.000000	49.6	101.0	V	298.0	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

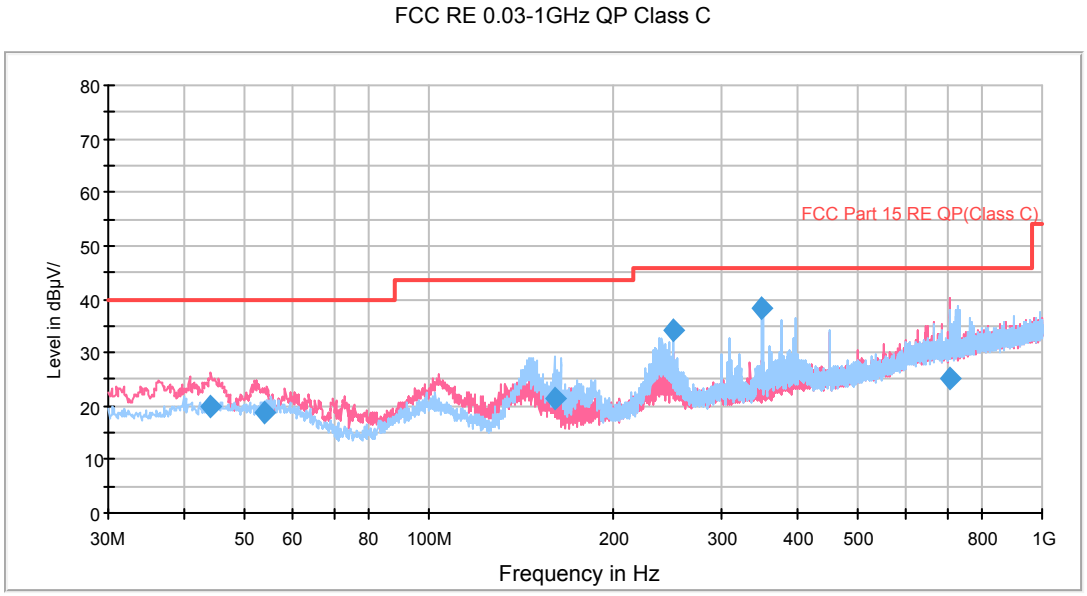
Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18372.937500	32.1	V	209.0	36.9	-4.8	41.9	74
19527.875000	26.9	H	219.0	34.3	-7.4	47.1	74
21644.375000	25.6	H	111.0	34.7	-9.1	48.4	74
22060.875000	27.1	H	86.0	35.2	-8.1	46.9	74
24722.437500	27.9	H	94.0	34.1	-6.2	46.1	74
25243.062500	28.6	V	181.0	35.0	-6.4	45.4	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)
18128.562500	20.4	V	0.0	25.3	-4.9	33.6	54
19491.750000	16.0	H	0.0	23.6	-7.6	38.0	54
21608.250000	14.4	H	94.0	23.2	-8.8	39.6	54
22021.562500	15.7	H	44.0	23.7	-8.0	38.3	54
24758.562500	16.3	V	344.0	23.0	-6.7	37.7	54
25230.312500	18.1	V	352.0	24.0	-5.9	35.9	54

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

802.11n (HT20) CH6



Radiates Emission from 30MHz to 1GHz

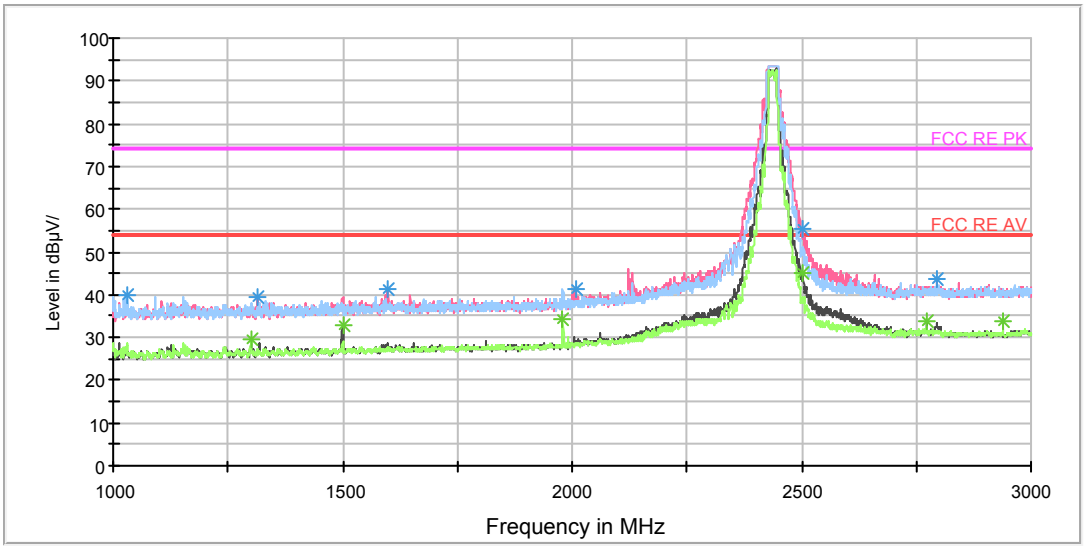
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
44.186250	19.9	100.0	V	103.0	33.0	13.1	20.1	40.0
54.012500	18.6	100.0	V	0.0	31.4	12.8	21.4	40.0
160.301250	21.3	114.0	H	281.0	31.0	9.7	22.2	43.5
249.988750	34.4	100.0	H	274.0	48.5	14.1	11.6	46.0
349.978750	38.4	100.0	H	155.0	55.1	16.7	7.6	46.0
709.163750	25.0	100.0	V	297.0	48.0	23.0	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

RE 1G-6GHz PK+AV Class A



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

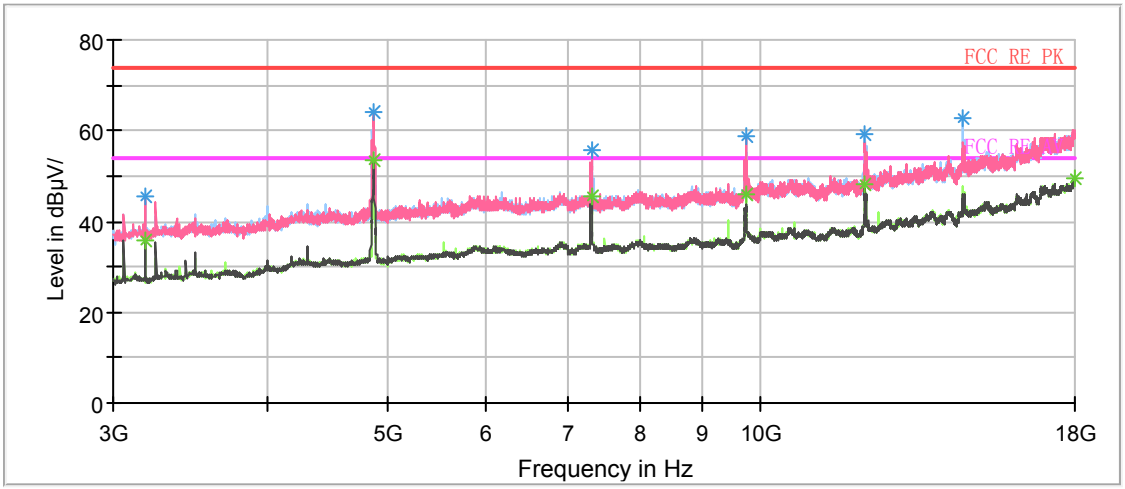
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1029.000000	39.9	100.0	H	215.0	51.2	-11.3	34.1	74
1316.000000	39.2	100.0	V	216.0	49.3	-10.1	34.8	74
1596.500000	41.3	100.0	V	109.0	50.3	-9.0	32.7	74
2009.500000	41.2	100.0	V	331.0	49.0	-7.8	32.8	74
2500.000000	55.4	100.0	V	54.0	60.4	-5.0	18.6	74
2794.000000	43.4	100.0	V	195.0	47.6	-4.2	30.6	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)
1300.000000	29.4	100.0	V	87.0	39.5	-10.1	24.6	54
1500.000000	32.8	100.0	V	301.0	42.3	-9.5	21.2	54
1980.000000	34.1	100.0	H	0.0	42.0	-7.9	19.9	54
2500.000000	44.9	100.0	V	54.0	49.9	-5.0	9.1	54
2772.000000	33.7	100.0	V	27.0	38.0	-4.3	20.3	54
2937.500000	33.6	100.0	H	24.0	37.7	-4.1	20.4	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

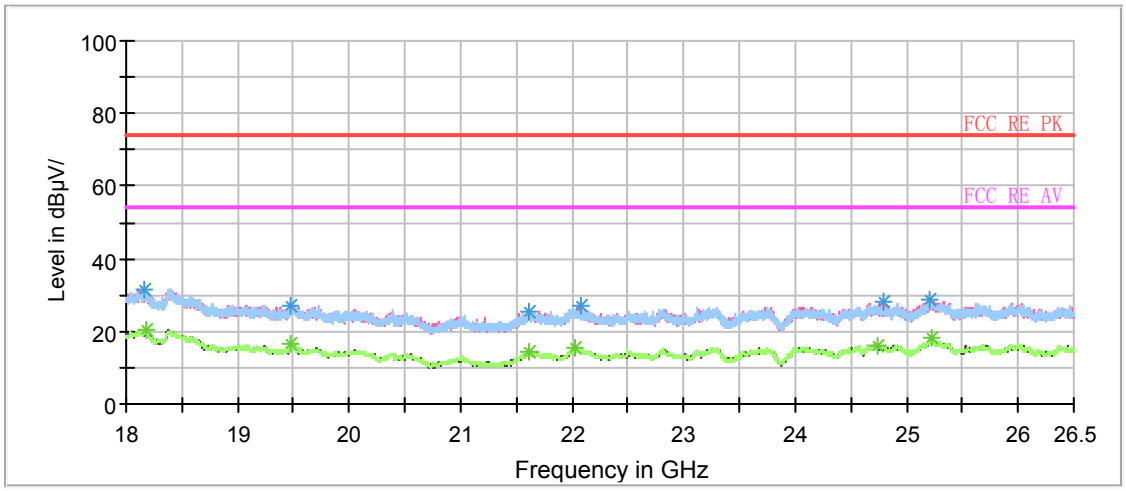
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3185.625000	44.7	101.0	V	32.0	46.4	-1.7	29.3	74
4873.125000	62.8	101.0	V	32.0	65.8	3.0	11.2	74
7310.625000	55.8	101.0	V	91.0	64.4	8.6	18.2	74
9748.125000	55.0	101.0	H	68.0	66.6	11.6	19.0	74
12176.250000	58.5	101.0	H	68.0	72.0	13.5	15.5	74
17988.750000	59.4	101.0	V	151.0	84.7	25.3	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)
3185.625000	35.9	101.0	V	32.0	37.6	-1.7	18.1	54
4873.125000	53.6	101.0	V	32.0	56.6	3.0	0.4	54
7310.625000	45.5	101.0	V	91.0	54.1	8.6	8.5	54
9748.125000	46.2	101.0	H	68.0	57.8	11.6	7.8	54
12176.250000	48.0	101.0	H	68.0	61.5	13.5	6.0	54
17988.750000	49.6	101.0	V	151.0	74.9	25.3	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)
18164.687500	31.4	H	6.0	36.5	-5.1	42.6	74
19467.312500	27.3	V	320.0	35.4	-8.1	46.7	74
21615.687500	25.3	V	189.0	34.2	-8.9	48.7	74
22087.437500	27.3	V	247.0	35.6	-8.3	46.7	74
24789.375000	28.2	V	163.0	35.0	-6.8	45.8	74
25213.312500	28.8	V	271.0	35.0	-6.2	45.2	74

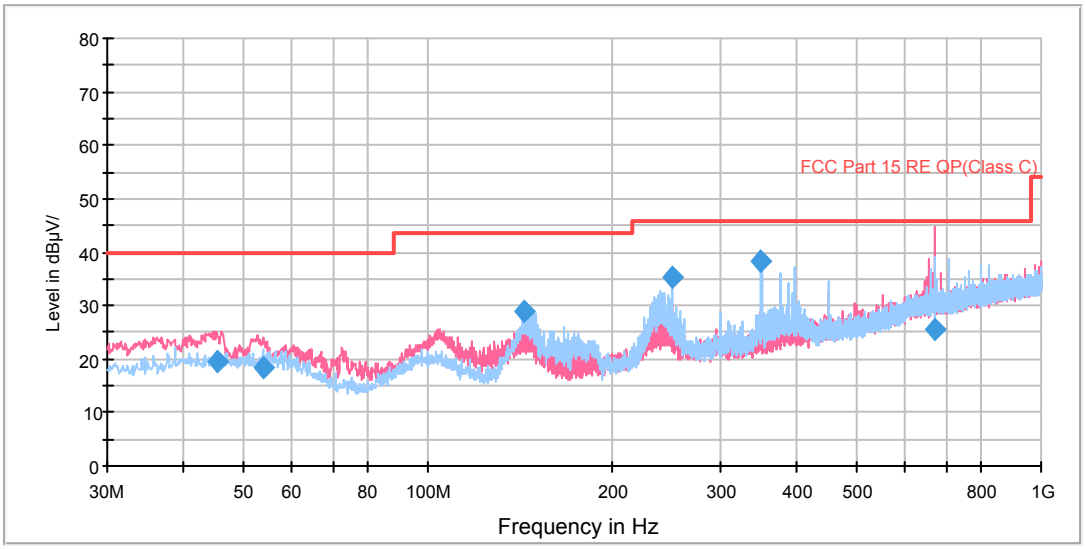
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18184.875000	20.4	V	6.0	25.3	-4.9	33.6	54
19479.000000	16.4	H	138.0	24.2	-7.8	37.6	54
21614.625000	14.5	H	130.0	23.4	-8.9	39.5	54
22029.000000	15.5	V	121.0	23.5	-8.0	38.5	54
24737.312500	16.3	V	355.0	22.7	-6.4	37.7	54
25222.875000	18.2	V	238.0	24.1	-5.9	35.8	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

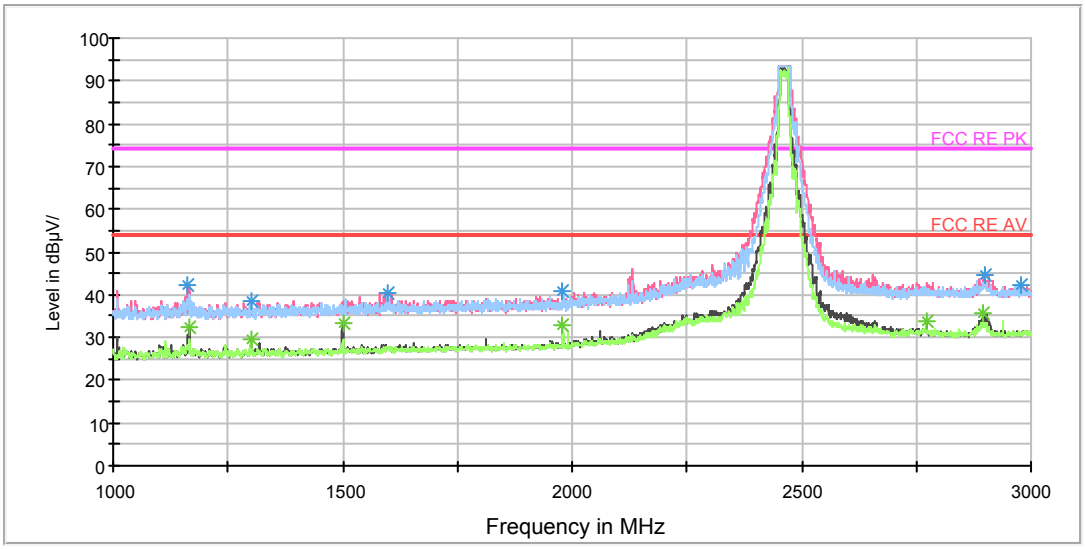
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
45.476250	19.7	100.0	V	160.0	32.8	13.1	20.3	40.0
54.127500	18.3	100.0	V	40.0	31.1	12.8	21.7	40.0
143.611250	28.9	125.0	H	115.0	37.8	8.9	14.6	43.5
249.987500	35.4	100.0	H	258.0	49.5	14.1	10.6	46.0
349.978750	38.4	100.0	H	157.0	55.1	16.7	7.6	46.0
669.350000	25.5	125.0	V	336.0	48.2	22.7	20.5	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

RE 1G-6GHz PK+AV Class A



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

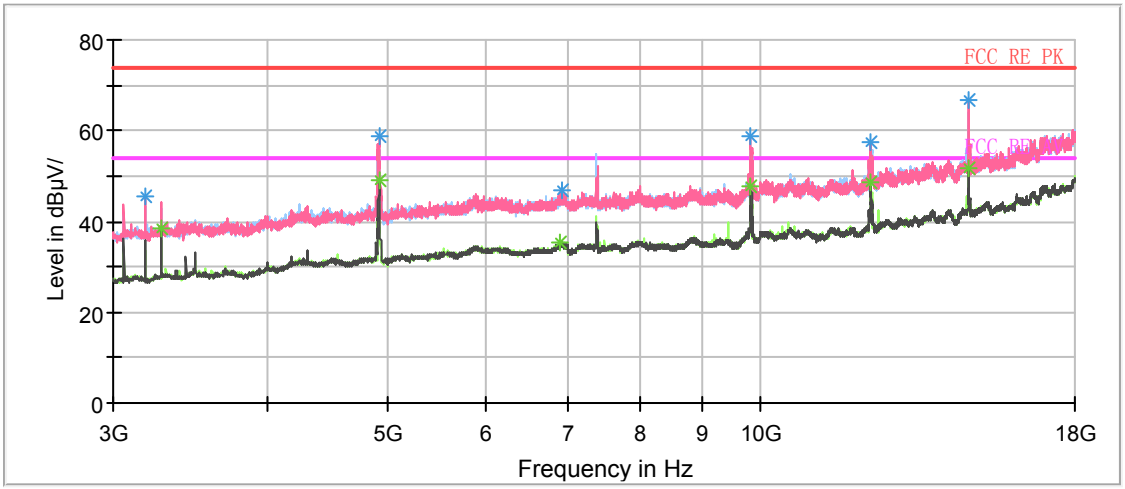
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1163.500000	42.3	100.0	V	205.0	53.1	-10.8	31.7	74
1301.000000	38.5	100.0	V	185.0	48.6	-10.1	35.5	74
1600.000000	40.5	100.0	H	33.0	49.5	-9.0	33.5	74
1980.000000	40.8	100.0	H	25.0	48.7	-7.9	33.2	74
2901.000000	44.8	100.0	V	194.0	49.0	-4.2	29.2	74
2977.000000	42.1	100.0	H	214.0	46.1	-4.0	31.9	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)
1165.500000	32.3	100.0	V	205.0	43.1	-10.8	21.7	54
1300.000000	29.6	100.0	V	51.0	39.7	-10.1	24.4	54
1500.000000	33.3	100.0	V	87.0	42.8	-9.5	20.7	54
1980.000000	32.9	100.0	H	25.0	40.8	-7.9	21.1	54
2772.000000	33.9	100.0	V	28.0	38.2	-4.3	20.1	54
2894.500000	35.7	100.0	V	194.0	39.9	-4.2	18.3	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

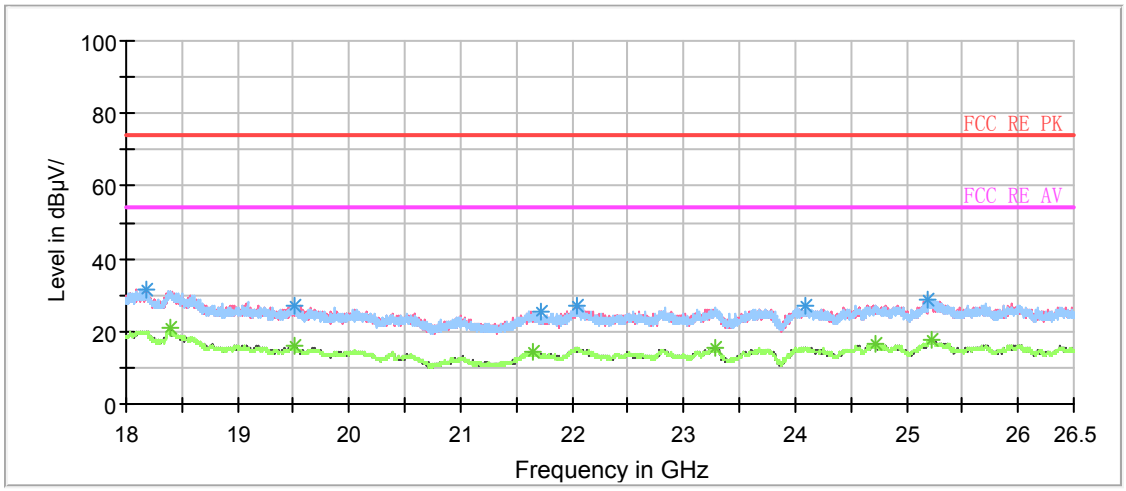
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3281.250000	44.1	101.0	V	48.0	45.6	-1.5	29.9	74
4923.750000	58.8	101.0	V	33.0	61.9	3.1	15.2	74
6909.375000	44.6	101.0	H	0.0	51.5	6.9	29.4	74
9847.500000	58.8	101.0	H	317.0	70.6	11.8	15.2	74
12313.125000	57.0	101.0	H	258.0	71.0	14.0	17.0	74
14780.625000	66.6	101.0	V	315.0	85.3	18.7	7.4	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)
3281.250000	38.2	101.0	V	48.0	39.7	-1.5	15.8	54
4923.750000	49.0	101.0	V	33.0	52.1	3.1	5.0	54
6909.375000	35.5	101.0	H	0.0	42.4	6.9	18.5	54
9847.500000	47.7	101.0	H	317.0	59.5	11.8	6.3	54
12313.125000	48.8	101.0	H	258.0	62.8	14.0	5.2	54
14780.625000	51.8	101.0	V	315.0	70.5	18.7	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)
18171.062500	31.5	V	346.0	36.6	-5.1	42.5	74
19502.375000	27.3	V	355.0	34.8	-7.5	46.7	74
21712.375000	25.7	V	338.0	35.1	-9.4	48.3	74
22049.187500	27.0	V	0.0	35.1	-8.1	47.0	74
24087.062500	27.3	H	220.0	35.1	-7.8	46.7	74
25189.937500	28.5	V	346.0	35.4	-6.9	45.5	74

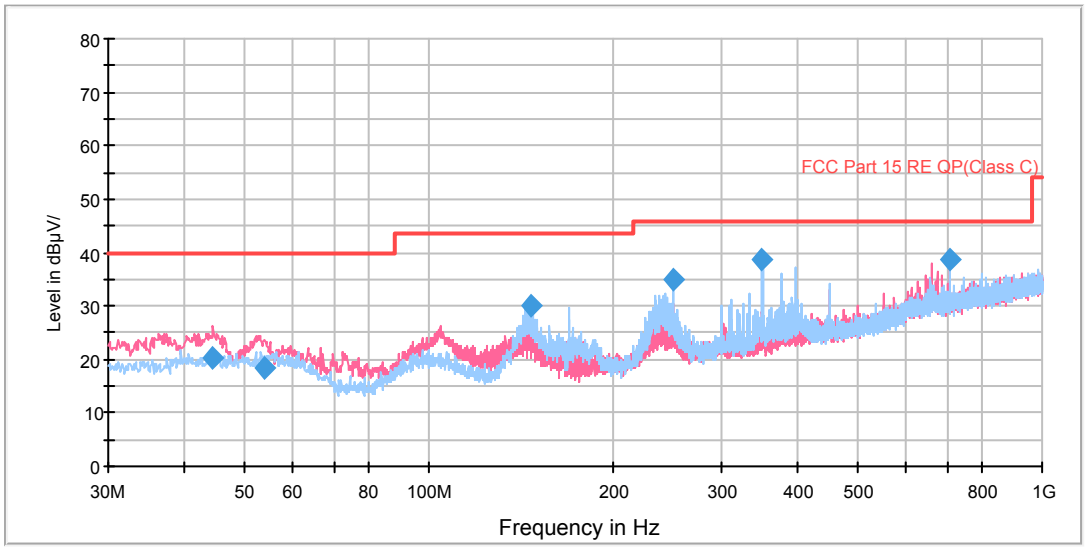
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18392.062500	20.8	V	291.0	25.7	-4.9	33.2	54
19503.437500	16.1	V	241.0	23.6	-7.5	37.9	54
21641.187500	14.5	V	215.0	23.6	-9.1	39.5	54
23280.625000	15.7	H	56.0	22.8	-7.1	38.3	54
24720.312500	16.3	H	0.0	22.6	-6.3	37.7	54
25226.062500	17.8	H	80.0	23.7	-5.9	36.2	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

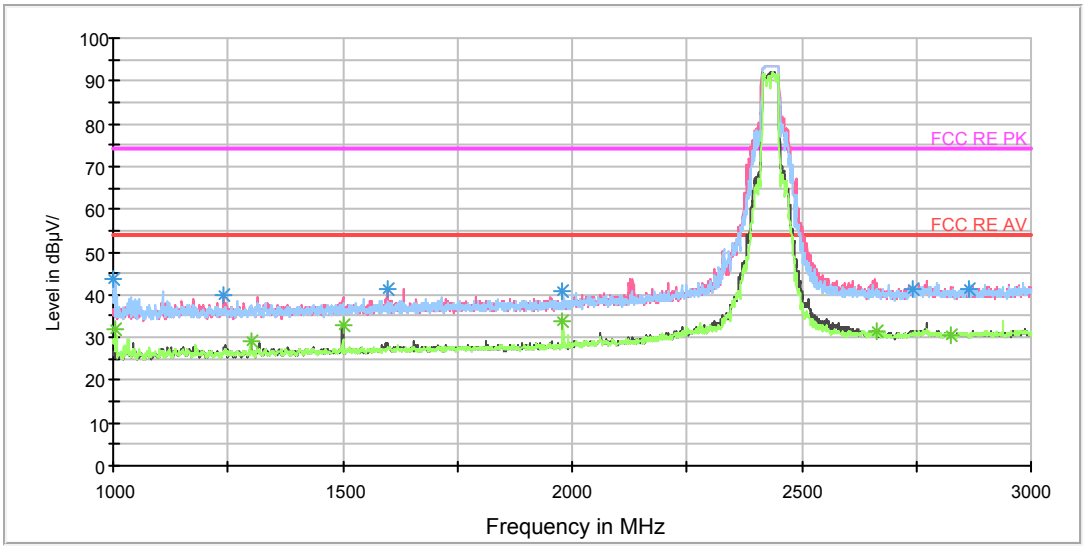
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
44.508750	20.2	100.0	V	0.0	33.3	13.1	19.8	40.0
53.847500	18.5	100.0	V	37.0	31.3	12.8	21.5	40.0
146.406250	30.2	125.0	H	108.0	39.2	9.0	13.3	43.5
249.987500	34.8	114.0	H	260.0	48.9	14.1	11.2	46.0
349.978750	38.5	100.0	H	158.0	55.2	16.7	7.5	46.0
709.045000	38.7	100.0	V	260.0	61.7	23.0	7.3	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

RE 1G-6GHz PK+AV Class A



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

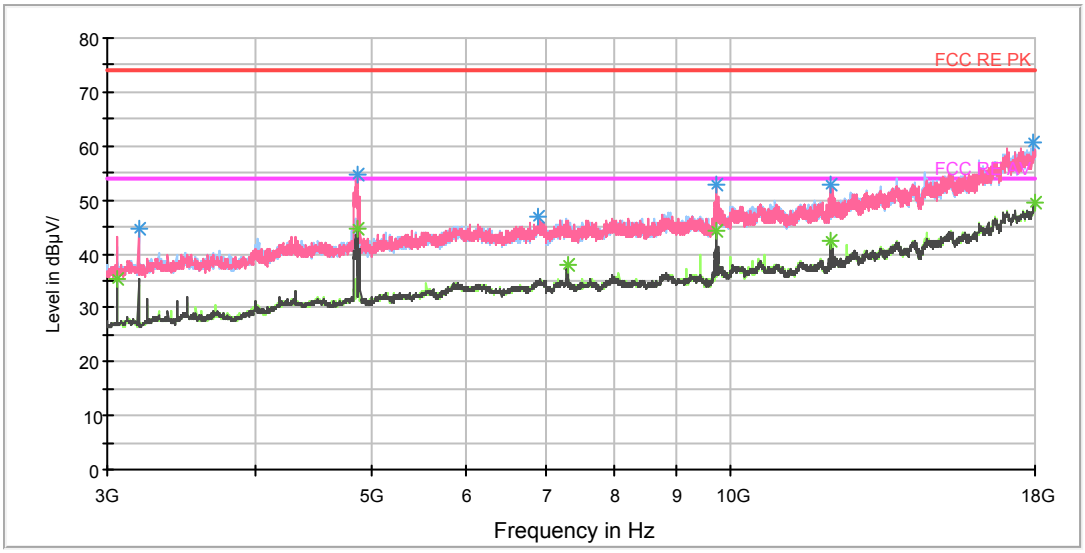
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1001.000000	43.8	100.0	H	59.0	55.2	-11.4	30.2	74
1241.500000	40.1	100.0	V	93.0	50.5	-10.4	33.9	74
1597.500000	41.3	100.0	V	104.0	50.3	-9.0	32.7	74
1980.000000	40.9	100.0	H	0.0	48.8	-7.9	33.1	74
2744.500000	41.1	100.0	V	332.0	45.5	-4.4	32.9	74
2866.000000	41.1	100.0	V	274.0	45.3	-4.2	32.9	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)
1005.500000	32.0	100.0	H	59.0	43.4	-11.4	22.0	54
1300.000000	29.3	100.0	H	322.0	39.4	-10.1	24.7	54
1500.000000	33.0	100.0	V	93.0	42.5	-9.5	21.0	54
1980.000000	33.7	100.0	H	0.0	41.6	-7.9	20.3	54
2663.500000	31.4	100.0	V	351.0	36.0	-4.6	22.6	54
2827.500000	30.6	100.0	V	243.0	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

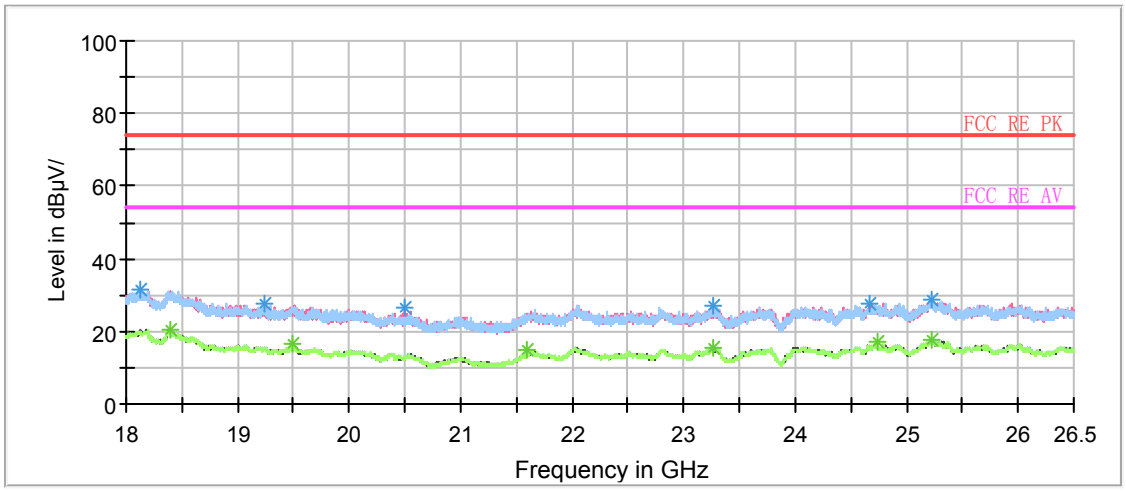
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3185.625000	44.5	101.0	V	32.0	46.2	-1.7	29.5	74
4861.875000	54.7	101.0	V	3.0	57.6	2.9	19.3	74
6901.875000	46.8	101.0	V	0.0	53.8	7.0	27.2	74
9733.125000	53.0	101.0	V	0.0	64.4	11.4	21.0	74
12120.000000	52.8	101.0	V	304.0	66.3	13.5	21.2	74
17940.000000	60.5	101.0	H	154.0	85.2	24.7	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)
3061.875000	35.4	101.0	V	32.0	37.0	-1.6	18.6	54
4861.875000	44.8	101.0	V	3.0	47.7	2.9	9.2	54
7291.875000	38.1	101.0	H	139.0	46.8	8.7	15.9	54
9731.250000	44.2	101.0	V	0.0	55.6	11.4	9.8	54
12136.875000	42.4	101.0	H	238.0	55.9	13.5	11.6	54
18000.000000	49.6	101.0	V	18.0	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)
18131.750000	31.2	H	73.0	36.1	-4.9	42.8	74
19232.500000	27.8	H	297.0	34.6	-6.8	46.2	74
20492.625000	26.5	V	274.0	34.7	-8.2	47.5	74
23260.437500	27.1	H	41.0	34.5	-7.4	46.9	74
24673.562500	27.6	V	131.0	34.9	-7.3	46.4	74
25222.875000	28.7	V	297.0	34.6	-5.9	45.3	74

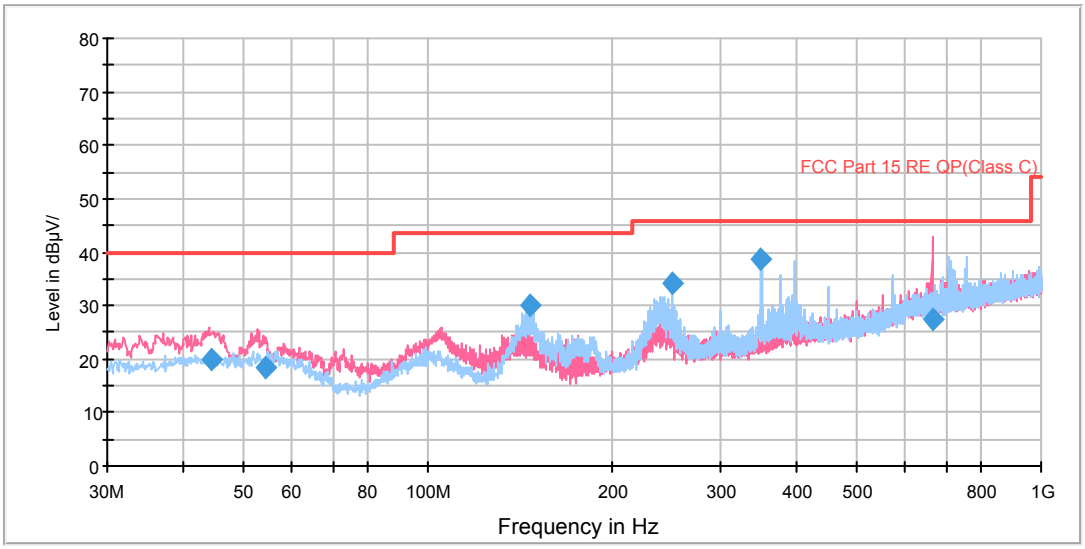
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18388.875000	20.4	V	281.0	25.3	-4.9	33.6	54
19494.937500	16.3	V	322.0	23.9	-7.6	37.7	54
21600.812500	14.6	H	0.0	23.4	-8.8	39.4	54
23268.937500	15.6	V	355.0	22.9	-7.3	38.4	54
24734.125000	16.9	H	0.0	23.2	-6.3	37.1	54
25227.125000	17.9	H	107.0	23.8	-5.9	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

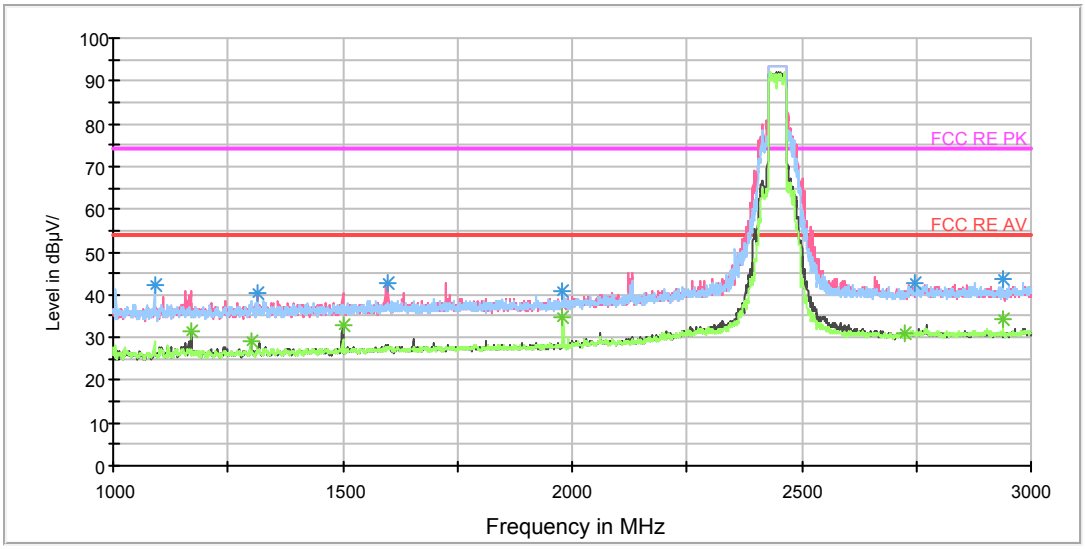
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
44.503750	20.1	100.0	V	0.0	33.2	13.1	19.9	40.0
54.208750	18.6	100.0	V	36.0	31.4	12.8	21.4	40.0
146.405000	30.1	125.0	H	116.0	39.1	9.0	13.4	43.5
249.987500	34.3	125.0	H	267.0	48.4	14.1	11.7	46.0
349.978750	38.6	100.0	H	157.0	55.3	16.7	7.4	46.0
663.973750	27.4	100.0	V	322.0	50.0	22.6	18.6	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-6GHz PK+AV Class A



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

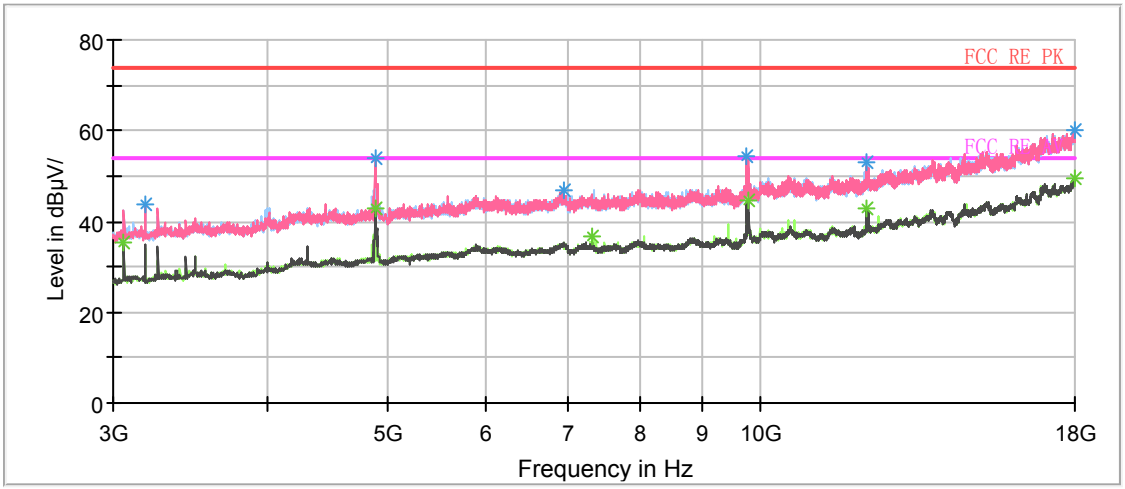
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1090.000000	42.1	100.0	H	192.0	53.1	-11.0	31.9	74
1316.000000	40.5	100.0	V	307.0	50.6	-10.1	33.5	74
1597.000000	42.9	100.0	V	37.0	51.9	-9.0	31.1	74
1980.000000	41.1	100.0	H	4.0	49.0	-7.9	32.9	74
2747.000000	42.5	100.0	H	60.0	46.9	-4.4	31.5	74
2937.500000	43.7	100.0	H	21.0	47.8	-4.1	30.3	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)
1169.000000	31.3	100.0	V	285.0	42.1	-10.8	22.7	54
1300.000000	29.3	100.0	V	340.0	39.4	-10.1	24.7	54
1500.000000	33.0	100.0	V	222.0	42.5	-9.5	21.0	54
1980.000000	34.6	100.0	H	4.0	42.5	-7.9	19.4	54
2727.000000	30.9	100.0	V	115.0	35.3	-4.4	23.1	54
2938.000000	34.1	100.0	H	21.0	38.2	-4.1	19.9	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

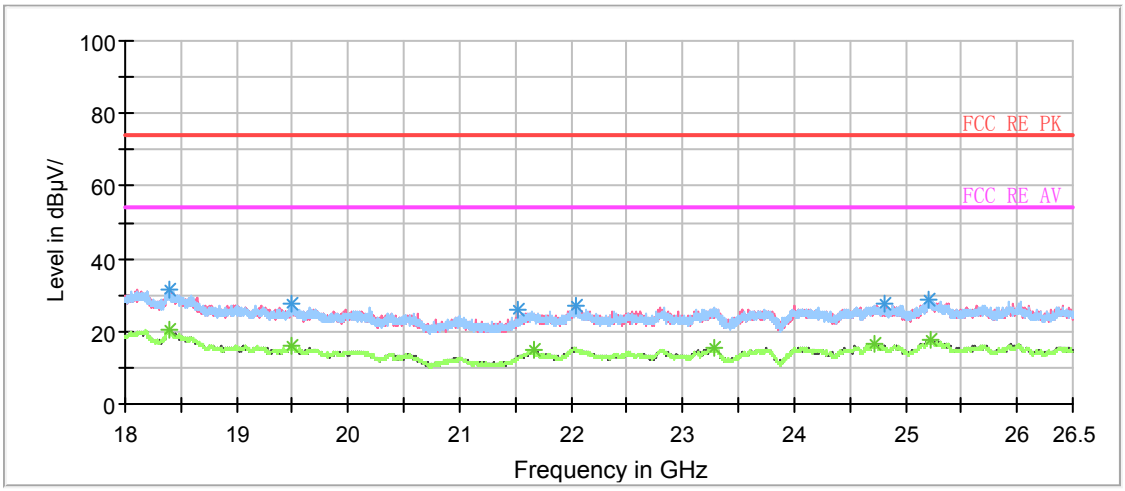
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3061.875000	42.5	101.0	V	32.0	44.1	-1.6	31.5	74
4893.750000	52.2	101.0	V	299.0	55.3	3.1	21.8	74
7310.625000	44.9	101.0	H	225.0	53.5	8.6	29.1	74
9793.125000	53.1	101.0	V	0.0	65.3	12.2	20.9	74
12223.125000	52.3	101.0	V	178.0	65.8	13.5	21.7	74
17998.125000	59.0	101.0	H	284.0	84.4	25.4	15.0	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)
3061.875000	35.4	101.0	V	32.0	37.0	-1.6	18.6	54
4893.750000	42.8	101.0	V	299.0	45.9	3.1	11.2	54
7310.625000	36.8	101.0	H	225.0	45.4	8.6	17.2	54
9793.125000	44.7	101.0	V	0.0	56.9	12.2	9.3	54
12223.125000	43.1	101.0	V	178.0	56.6	13.5	10.9	54
17998.125000	49.5	101.0	H	284.0	74.9	25.4	4.5	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)
18389.937500	31.3	H	21.0	36.2	-4.9	42.7	74
19494.937500	27.4	H	29.0	35.0	-7.6	46.6	74
21519.000000	25.7	V	337.0	34.6	-8.9	48.3	74
22046.000000	26.8	V	181.0	34.8	-8.0	47.2	74
24802.125000	27.4	H	0.0	34.0	-6.6	46.6	74
25211.187500	28.7	H	112.0	34.9	-6.2	45.3	74

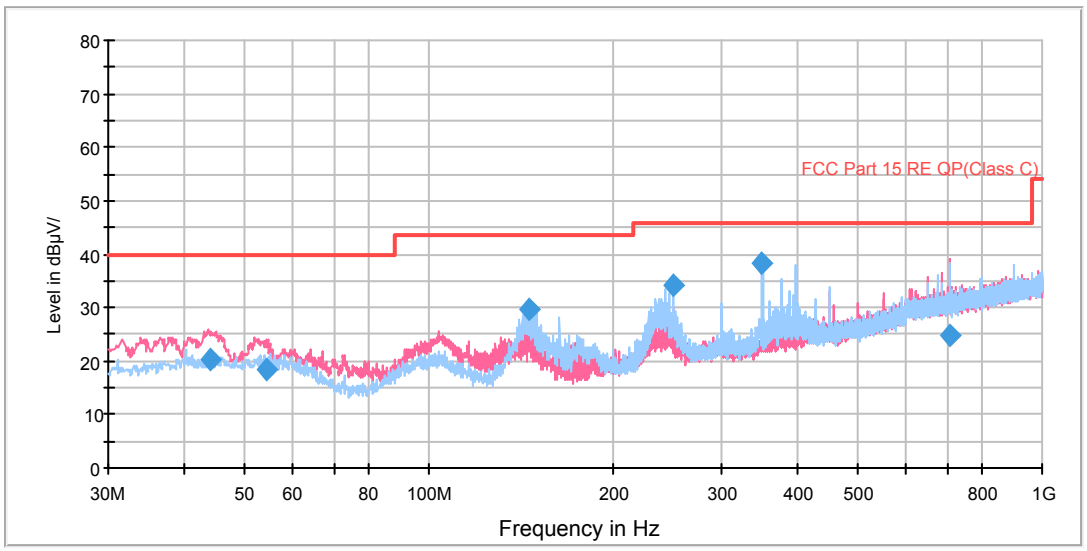
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18397.375000	20.5	V	198.0	25.4	-4.9	33.5	54
19494.937500	16.1	V	291.0	23.7	-7.6	37.9	54
21661.375000	14.7	V	353.0	23.9	-9.2	39.3	54
23290.187500	15.6	V	337.0	22.6	-7.0	38.4	54
24726.687500	16.5	H	71.0	22.7	-6.2	37.5	54
25231.375000	17.9	H	104.0	23.8	-5.9	36.1	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

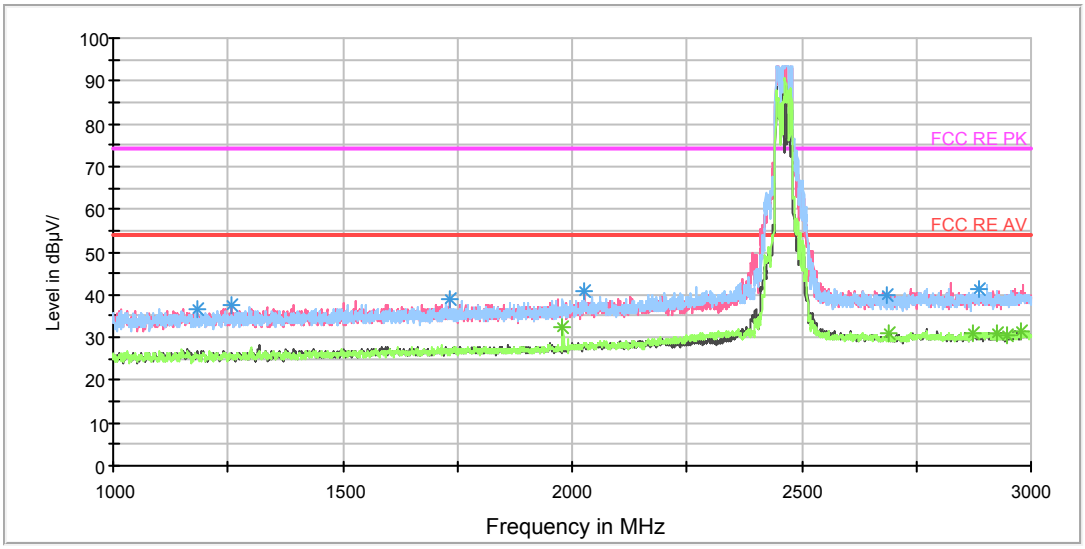
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
44.180000	20.3	100.0	V	86.0	33.4	13.1	19.7	40.0
54.210000	18.4	100.0	V	36.0	31.2	12.8	21.6	40.0
145.302500	29.7	125.0	H	109.0	38.7	9.0	13.8	43.5
249.988750	34.3	100.0	H	260.0	48.4	14.1	11.7	46.0
349.978750	38.4	100.0	H	171.0	55.1	16.7	7.6	46.0
709.121250	24.9	100.0	V	241.0	47.9	23.0	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

RE 1G-6GHz PK+AV Class A



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

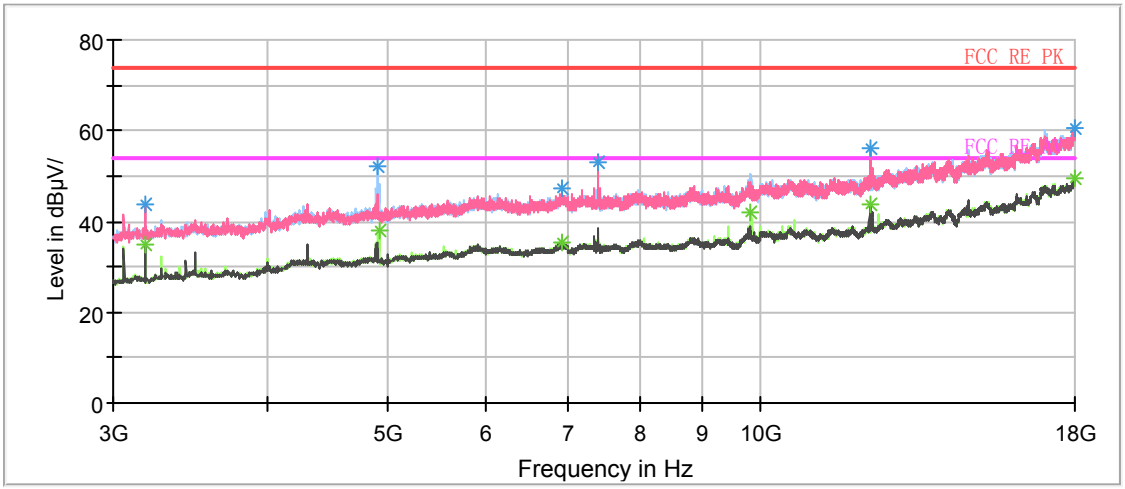
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1181.500000	36.8	100.0	H	0.0	47.5	-10.7	37.2	74
1258.000000	37.7	100.0	V	0.0	48.0	-10.3	36.3	74
1732.000000	39.0	100.0	V	0.0	47.6	-8.6	35.0	74
2028.000000	40.8	100.0	V	0.0	48.4	-7.6	33.2	74
2684.000000	39.7	100.0	V	0.0	44.3	-4.6	34.3	74
2885.000000	41.1	100.0	H	0.0	45.3	-4.2	32.9	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)
1980.000000	32.3	100.0	H	0.0	40.2	-7.9	21.7	54
2690.000000	31.1	100.0	H	0.0	35.7	-4.6	22.9	54
2872.500000	30.9	100.0	V	0.0	35.1	-4.2	23.1	54
2924.500000	30.9	100.0	H	0.0	35.1	-4.2	23.1	54
2949.500000	30.6	100.0	V	0.0	34.7	-4.1	23.4	54
2979.500000	31.3	100.0	V	0.0	35.3	-4.0	22.7	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

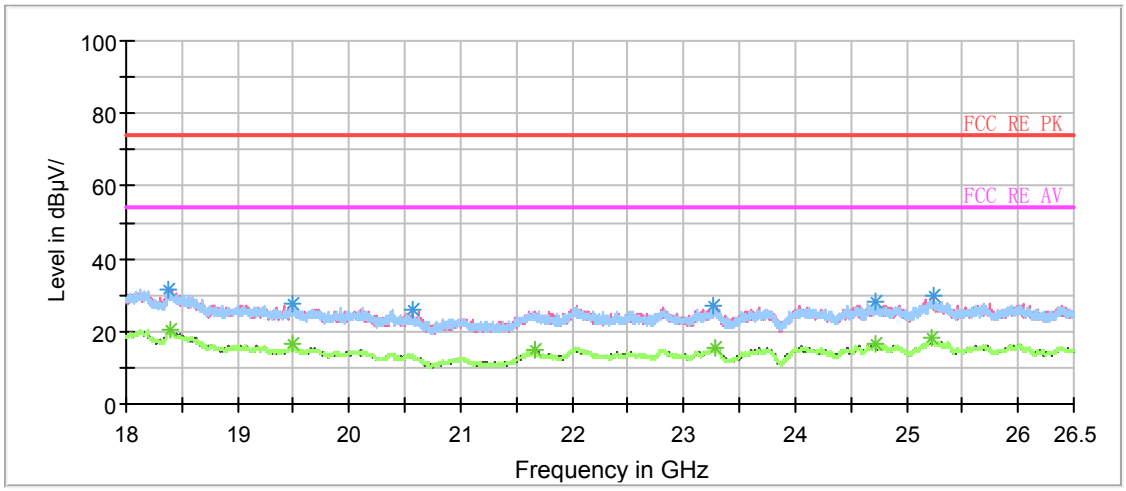
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3187.500000	43.0	101.0	V	88.0	44.7	-1.7	31.0	74
4925.625000	48.3	101.0	H	324.0	51.4	3.1	25.7	74
6931.875000	44.9	101.0	H	309.0	51.7	6.8	29.1	74
9849.375000	50.6	101.0	H	45.0	62.4	11.8	23.4	74
12298.125000	56.2	101.0	V	15.0	70.0	13.8	17.8	74
18000.000000	59.0	101.0	H	0.0	84.4	25.4	15.0	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)
3187.500000	34.8	101.0	V	88.0	36.5	-1.7	19.2	54
4925.625000	38.1	101.0	H	324.0	41.2	3.1	15.9	54
6931.875000	35.3	101.0	H	309.0	42.1	6.8	18.7	54
9849.375000	41.8	101.0	H	45.0	53.6	11.8	12.2	54
12298.125000	43.8	101.0	V	15.0	57.6	13.8	10.2	54
18000.000000	49.5	101.0	H	0.0	74.9	25.4	4.5	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)
18379.312500	31.5	V	6.0	36.3	-4.8	42.5	74
19493.875000	27.6	V	142.0	35.2	-7.6	46.4	74
20572.312500	25.7	V	177.0	34.1	-8.4	48.3	74
23268.937500	26.8	H	91.0	34.1	-7.3	47.2	74
24719.250000	27.9	H	124.0	34.2	-6.3	46.1	74
25236.687500	29.9	V	330.0	36.0	-6.1	44.1	74

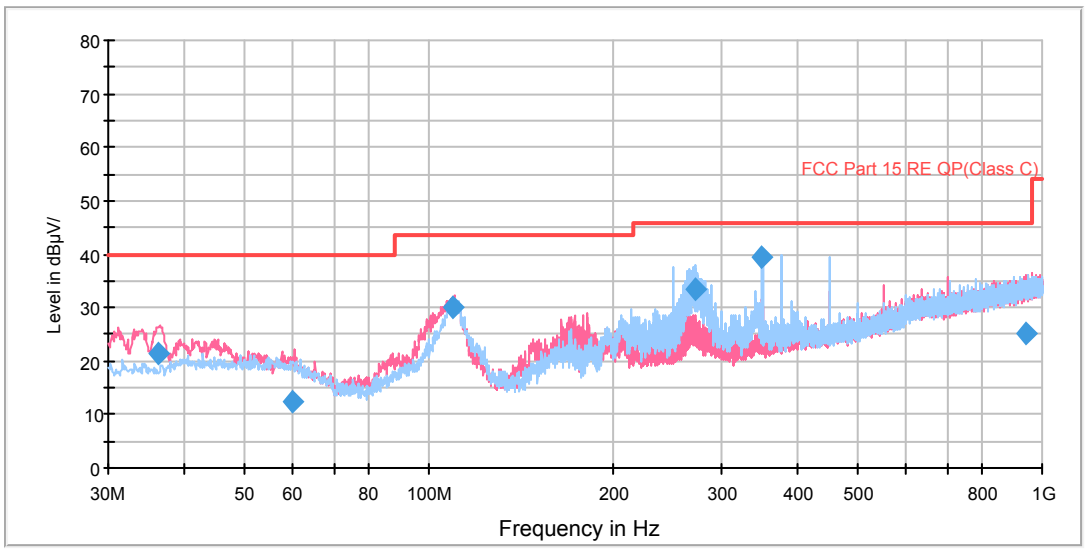
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18394.187500	20.5	V	306.0	25.4	-4.9	33.5	54
19488.562500	16.5	H	209.0	24.2	-7.7	37.5	54
21664.562500	14.8	V	133.0	24.1	-9.3	39.2	54
23287.000000	15.6	H	200.0	22.7	-7.1	38.4	54
24723.500000	16.4	H	288.0	22.6	-6.2	37.6	54
25222.875000	18.2	V	330.0	24.1	-5.9	35.8	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

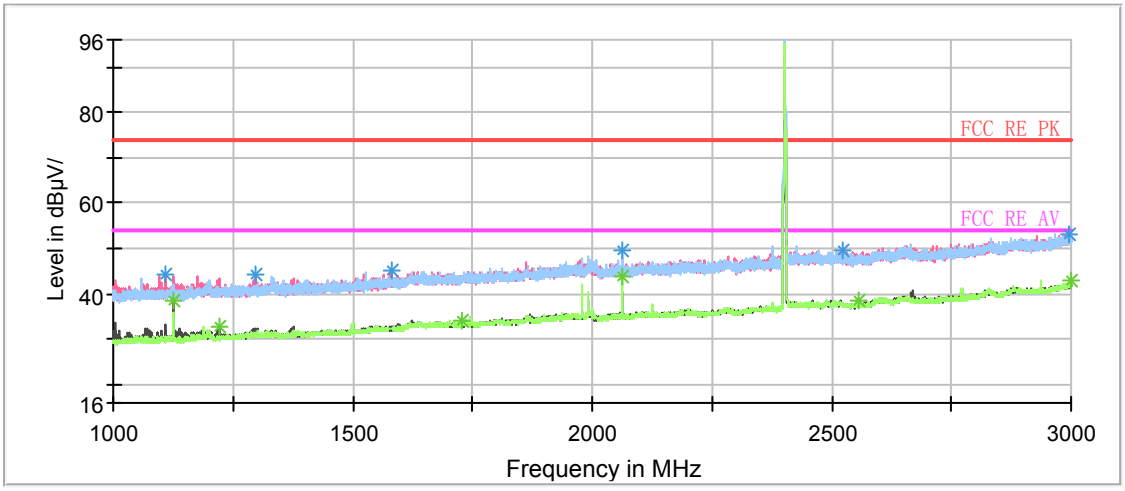
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
36.266250	21.3	100.0	V	346.0	33.5	12.2	18.7	40.0
60.032500	12.6	100.0	V	0.0	25.1	12.5	27.4	40.0
109.825000	29.9	100.0	V	116.0	42.3	12.4	13.6	43.5
272.577500	33.3	100.0	H	248.0	48.0	14.7	12.7	46.0
349.978750	39.6	100.0	H	267.0	56.3	16.7	6.4	46.0
944.512500	25.3	114.0	V	22.0	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



Radiates Emission from 1GHz to 3GHz

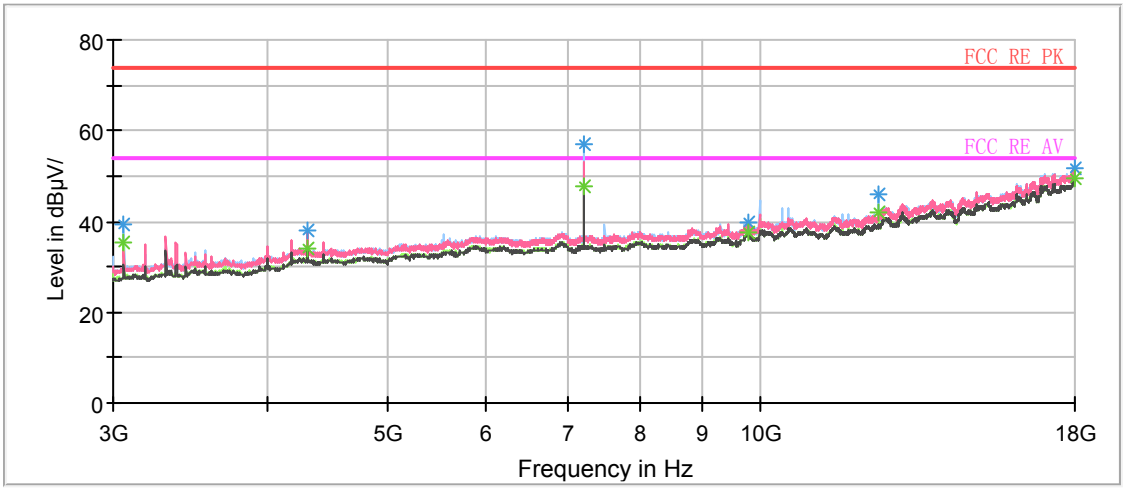
Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1107.250000	44.1	101.0	V	0.0	52.8	-8.7	29.9	74
1296.750000	44.1	101.0	V	16.0	51.9	-7.8	29.9	74
1581.250000	45.1	101.0	V	60.0	51.4	-6.3	28.9	74
2062.500000	49.8	101.0	H	0.0	52.9	-3.1	24.2	74
2525.000000	49.6	101.0	V	325.0	49.9	-0.3	24.4	74
2995.250000	53.2	101.0	H	6.0	55.5	2.3	20.8	74

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1124.750000	38.7	101.0	V	34.0	47.1	-8.4	15.3	54
1221.250000	32.6	101.0	V	0.0	40.5	-7.9	21.4	54
1730.000000	34.1	101.0	H	0.0	39.1	-5.0	19.9	54
2062.500000	43.9	101.0	H	0.0	47.0	-3.1	10.1	54
2556.250000	38.5	101.0	V	325.0	39.0	-0.5	15.5	54
3000.000000	43.1	101.0	H	19.0	45.4	2.3	10.9	54

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

RE 3-18GHz PK+AV



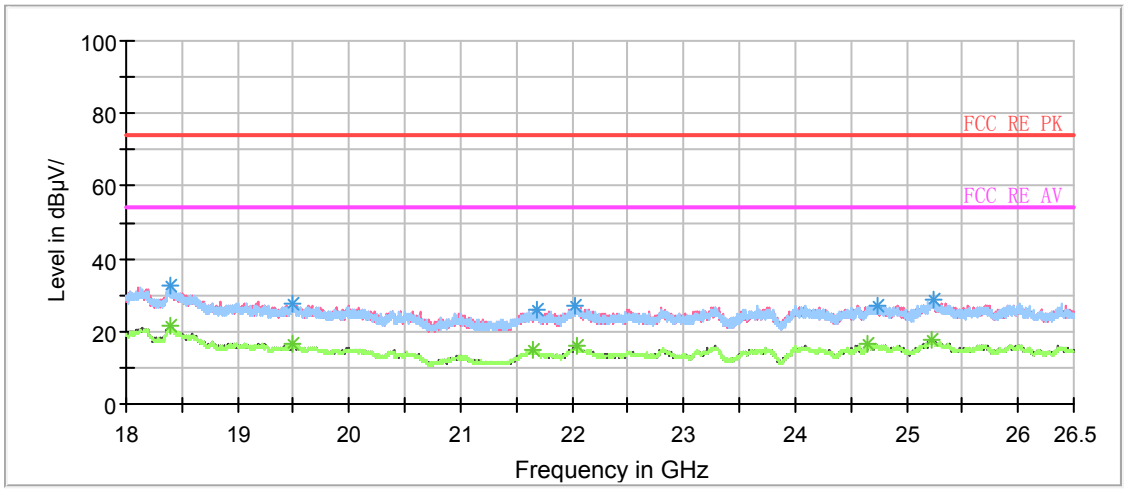
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3061.875000	39.4	101.0	H	115.0	41.0	-1.6	34.6	74
4312.500000	37.9	101.0	V	280.0	40.0	2.1	36.1	74
7205.625000	57.2	101.0	H	353.0	65.9	8.7	16.8	74
9811.875000	39.6	101.0	V	0.0	51.8	12.2	34.4	74
12500.625000	45.8	101.0	H	313.0	61.0	15.2	28.2	74
17992.500000	51.5	101.0	H	0.0	76.8	25.3	22.5	74

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3061.875000	35.3	101.0	H	115.0	36.9	-1.6	18.7	54
4312.500000	33.9	101.0	V	280.0	36.0	2.1	20.1	54
7205.625000	47.6	101.0	H	353.0	56.3	8.7	6.4	54
9804.375000	37.4	101.0	H	0.0	49.6	12.2	16.6	54
12500.625000	41.8	101.0	H	313.0	57.0	15.2	12.2	54
17996.250000	49.5	101.0	H	353.0	74.9	25.4	4.5	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

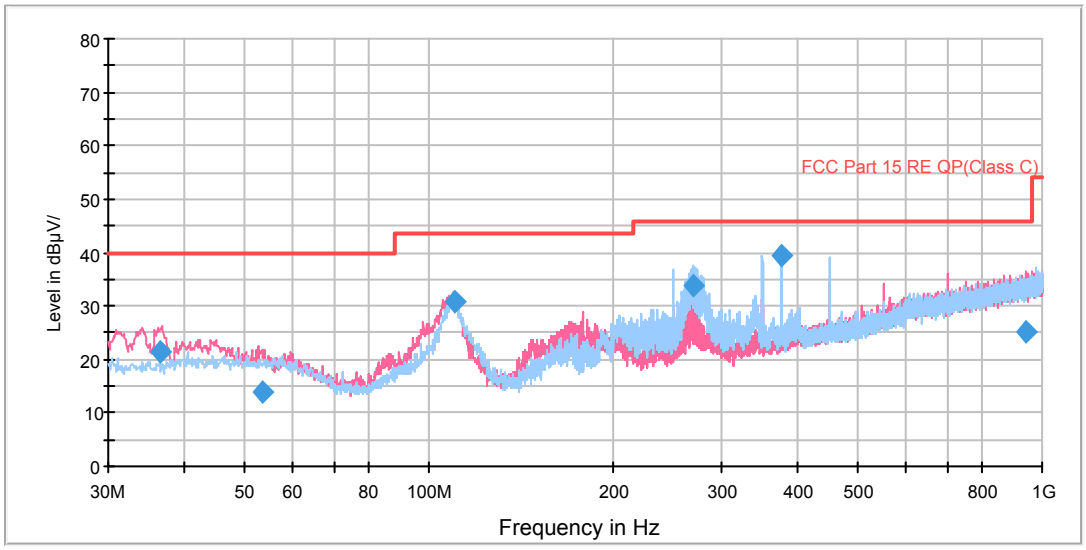
Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18397.375000	32.4	V	305.0	37.3	-4.9	41.6	74
19487.500000	27.7	H	0.0	35.4	-7.7	46.3	74
21692.187500	26.2	V	265.0	35.5	-9.3	47.8	74
22017.312500	26.9	V	329.0	35.0	-8.1	47.1	74
24736.250000	27.2	V	313.0	33.5	-6.3	46.8	74
25243.062500	28.8	H	215.0	35.2	-6.4	45.2	74

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18398.437500	21.4	V	321.0	26.3	-4.9	32.6	54
19490.687500	16.6	V	158.0	24.2	-7.6	37.4	54
21644.375000	14.7	H	232.0	23.8	-9.1	39.3	54
22040.687500	16.0	V	273.0	24.0	-8.0	38.0	54
24655.500000	16.5	H	47.0	23.5	-7.0	37.5	54
25225.000000	17.9	H	203.0	23.8	-5.9	36.1	54

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

Middle Energy-Channel 19

FCC RE 0.03-1GHz QP Class C



Radiates Emission from 30MHz to 1GHz

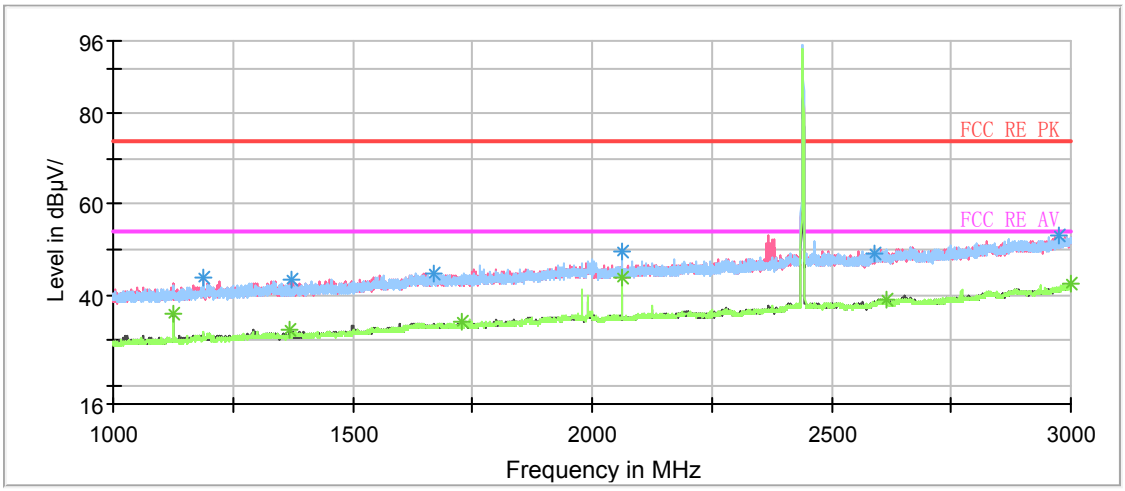
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
36.428750	21.4	100.0	V	165.0	33.6	12.2	18.6	40.0
53.447500	14.0	100.0	V	215.0	26.8	12.8	26.0	40.0
110.021250	30.8	125.0	H	83.0	43.2	12.4	12.7	43.5
269.873750	33.8	100.0	H	244.0	48.5	14.7	12.2	46.0
374.996250	39.3	100.0	H	251.0	56.7	17.4	6.7	46.0
941.431250	25.2	100.0	V	20.0	51.2	26.0	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



Radiates Emission from 1GHz to 3GHz

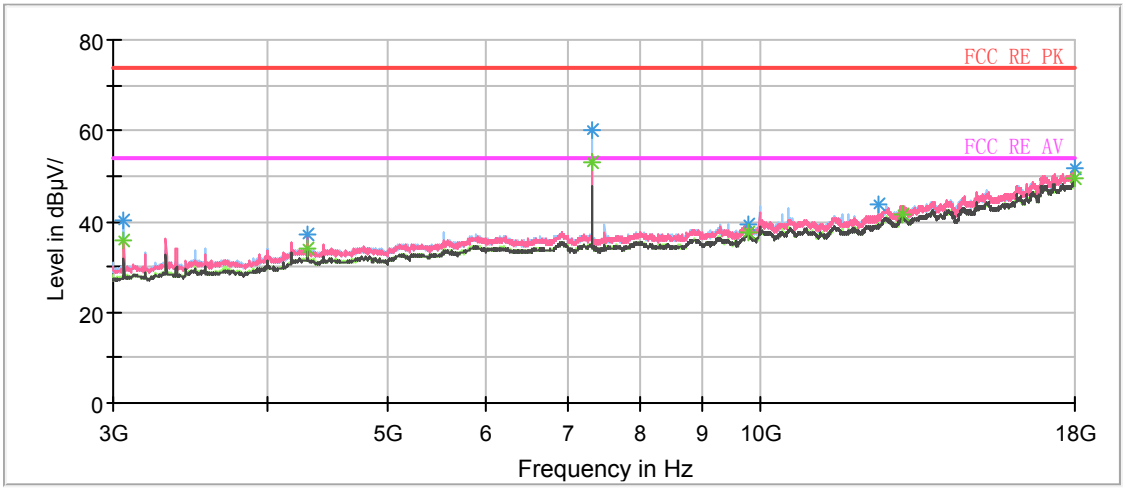
Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1187.750000	43.8	101.0	V	0.0	51.9	-8.1	30.2	74
1371.500000	43.3	101.0	V	16.0	50.5	-7.2	30.7	74
1668.750000	44.8	101.0	H	102.0	49.9	-5.1	29.2	74
2062.500000	49.5	101.0	H	0.0	52.6	-3.1	24.5	74
2591.250000	49.2	101.0	V	0.0	49.2	0.0	24.8	74
2975.750000	53.1	101.0	V	267.0	55.3	2.2	20.9	74

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1124.750000	35.8	101.0	V	86.0	44.2	-8.4	18.2	54
1370.000000	32.5	101.0	V	16.0	39.7	-7.2	21.5	54
1729.500000	34.0	101.0	H	310.0	39.0	-5.0	20.0	54
2062.500000	43.9	101.0	H	0.0	47.0	-3.1	10.1	54
2613.500000	38.9	101.0	V	303.0	39.0	0.1	15.1	54
3000.000000	42.7	101.0	H	35.0	45.0	2.3	11.3	54

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

RE 3-18GHz PK+AV



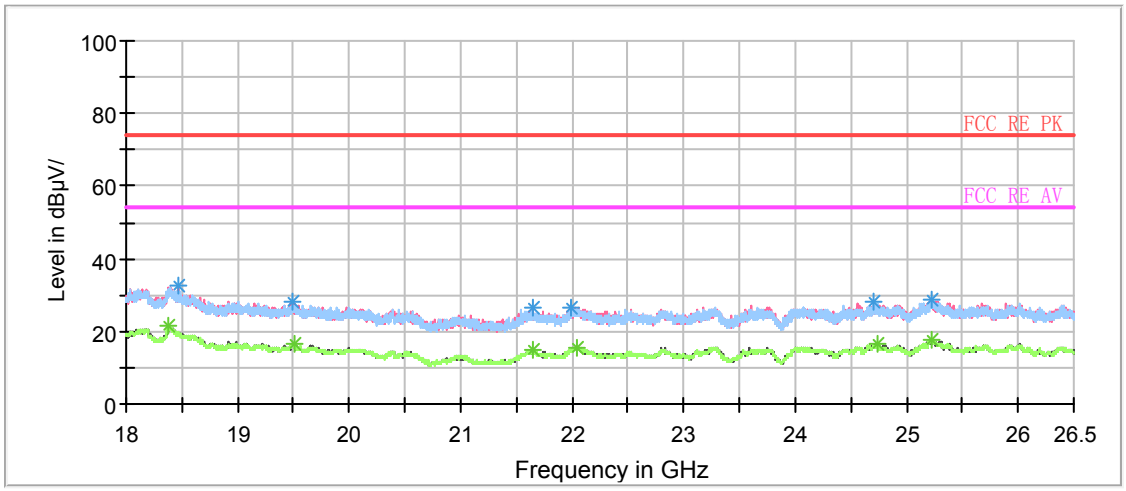
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3061.875000	40.3	101.0	H	121.0	41.9	-1.6	33.7	74
4312.500000	37.2	101.0	V	284.0	39.3	2.1	36.8	74
7320.000000	60.0	101.0	H	314.0	68.5	8.5	14.0	74
9804.375000	39.5	101.0	H	0.0	51.7	12.2	34.5	74
12500.625000	43.8	101.0	H	352.0	59.0	15.2	30.2	74
17985.000000	51.7	101.0	V	167.0	76.9	25.2	22.3	74

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3061.875000	35.9	101.0	H	121.0	37.5	-1.6	18.1	54
4312.500000	34.0	101.0	V	284.0	36.1	2.1	20.0	54
7320.000000	52.9	101.0	H	314.0	61.4	8.5	1.1	54
9802.500000	37.4	101.0	H	238.0	49.7	12.3	16.6	54
13063.125000	41.4	101.0	V	127.0	57.6	16.2	12.6	54
17998.125000	49.5	101.0	V	0.0	74.9	25.4	4.5	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

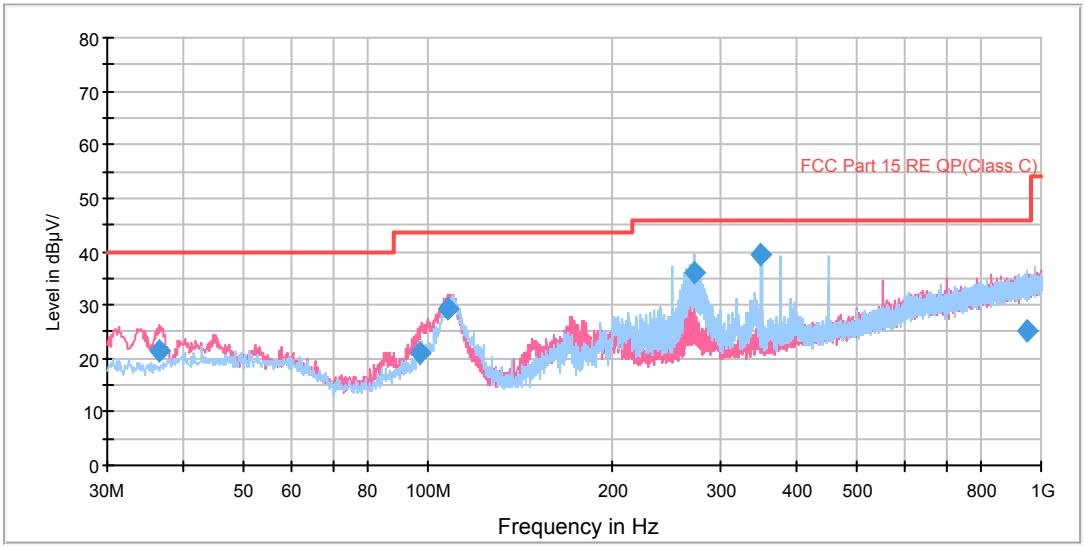
Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18467.500000	32.5	V	316.0	38.2	-5.7	41.5	74
19488.562500	27.9	V	44.0	35.6	-7.7	46.1	74
21643.312500	26.5	V	199.0	35.6	-9.1	47.5	74
21997.125000	26.6	H	160.0	34.9	-8.3	47.4	74
24707.562500	28.1	V	132.0	34.8	-6.7	45.9	74
25232.437500	28.7	V	316.0	34.6	-5.9	45.3	74

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18385.687500	21.3	H	42.0	26.1	-4.8	32.7	54
19514.062500	16.5	V	149.0	24.0	-7.5	37.5	54
21643.312500	14.7	H	177.0	23.8	-9.1	39.3	54
22036.437500	15.7	H	42.0	23.7	-8.0	38.3	54
24732.000000	16.5	V	316.0	22.8	-6.3	37.5	54
25228.187500	17.9	V	283.0	23.8	-5.9	36.1	54

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

High Energy-Channel 39

FCC RE 0.03-1GHz QP Class C



Radiates Emission from 30MHz to 1GHz

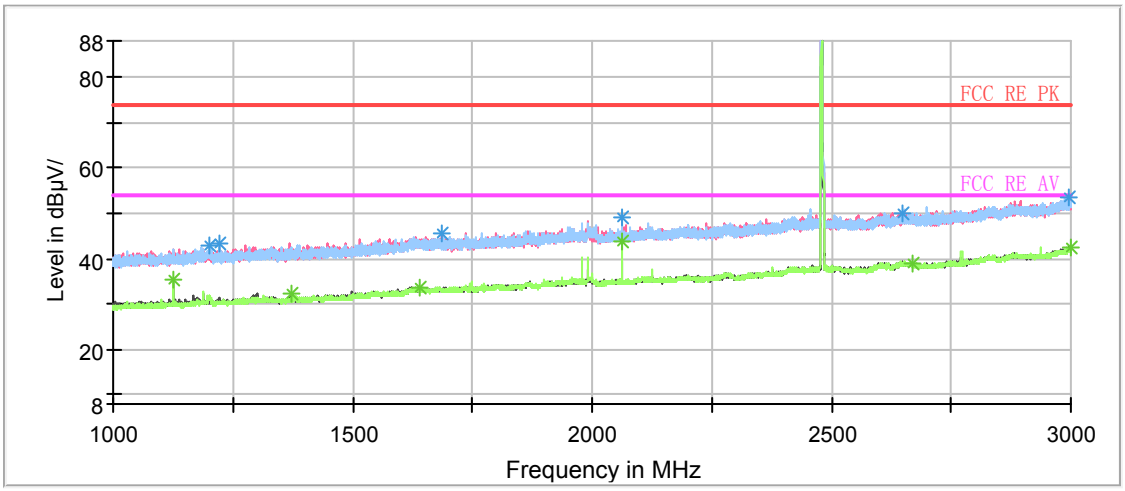
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
36.426250	21.4	100.0	V	200.0	33.6	12.2	18.6	40.0
96.923750	21.1	100.0	V	111.0	33.9	12.8	22.4	43.5
108.160000	29.3	125.0	V	114.0	41.8	12.5	14.2	43.5
272.703750	36.0	100.0	H	252.0	50.7	14.7	10.0	46.0
349.978750	39.3	100.0	H	271.0	56.0	16.7	6.7	46.0
947.741250	25.3	100.0	H	22.0	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



Radiates Emission from 1GHz to 3GHz

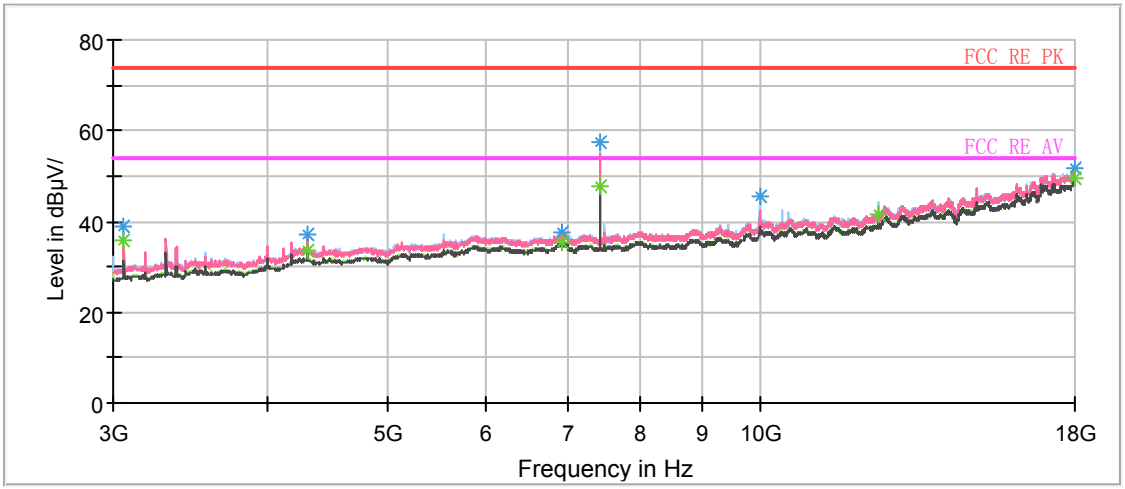
Note: The signal beyond the limit is carrier.

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1199.500000	42.9	101.0	V	47.0	51.1	-8.2	31.1	74
1222.000000	43.5	101.0	V	195.0	51.3	-7.8	30.5	74
1686.000000	45.5	101.0	V	0.0	50.5	-5.0	28.5	74
2062.500000	49.0	101.0	H	8.0	52.1	-3.1	25.0	74
2648.500000	50.1	101.0	H	156.0	50.5	0.4	23.9	74
2996.750000	53.4	101.0	H	287.0	55.7	2.3	20.6	74

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1124.750000	35.6	101.0	V	86.0	44.0	-8.4	18.4	54
1372.500000	32.2	101.0	V	251.0	39.4	-7.2	21.8	54
1641.500000	33.8	101.0	V	257.0	38.5	-4.7	20.2	54
2062.500000	43.8	101.0	H	8.0	46.9	-3.1	10.2	54
2671.000000	39.2	101.0	H	149.0	39.5	0.3	14.8	54
3000.000000	42.6	101.0	H	30.0	44.9	2.3	11.4	54

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

RE 3-18GHz PK+AV



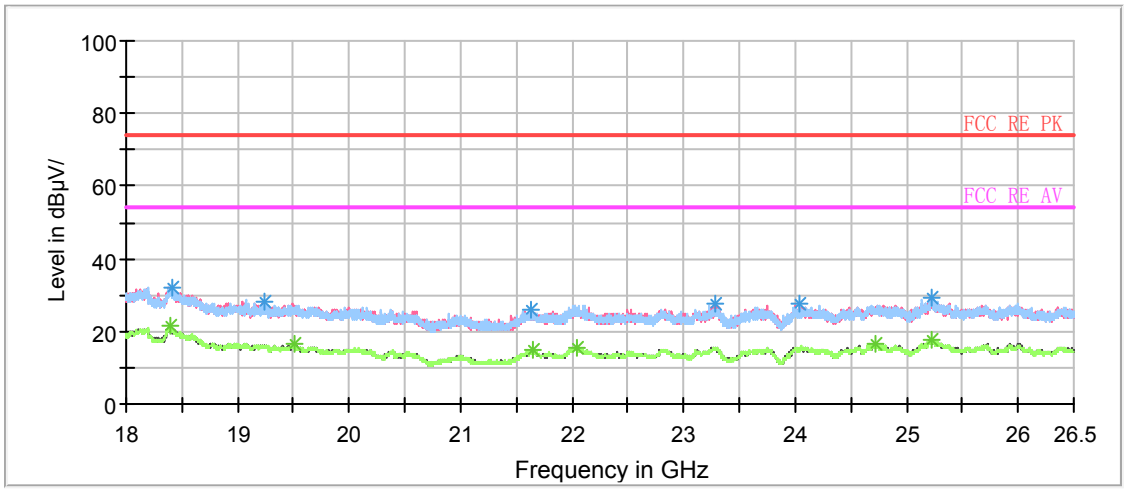
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3061.875000	39.1	101.0	H	116.0	40.7	-1.6	34.9	74
4312.500000	37.1	101.0	V	285.0	39.2	2.1	36.9	74
6913.125000	37.6	101.0	V	0.0	44.5	6.9	36.4	74
7440.000000	57.7	101.0	H	315.0	65.5	7.8	16.3	74
9999.375000	45.5	101.0	H	157.0	58.6	13.1	28.5	74
17992.500000	51.6	101.0	V	285.0	76.9	25.3	22.4	74

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3061.875000	35.7	101.0	H	116.0	37.3	-1.6	18.3	54
4312.500000	33.4	101.0	V	285.0	35.5	2.1	20.6	54
6913.125000	35.5	101.0	H	0.0	42.4	6.9	18.5	54
7440.000000	47.8	101.0	H	315.0	55.6	7.8	6.2	54
12500.625000	41.4	101.0	H	315.0	56.6	15.2	12.6	54
18000.000000	49.6	101.0	H	0.0	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

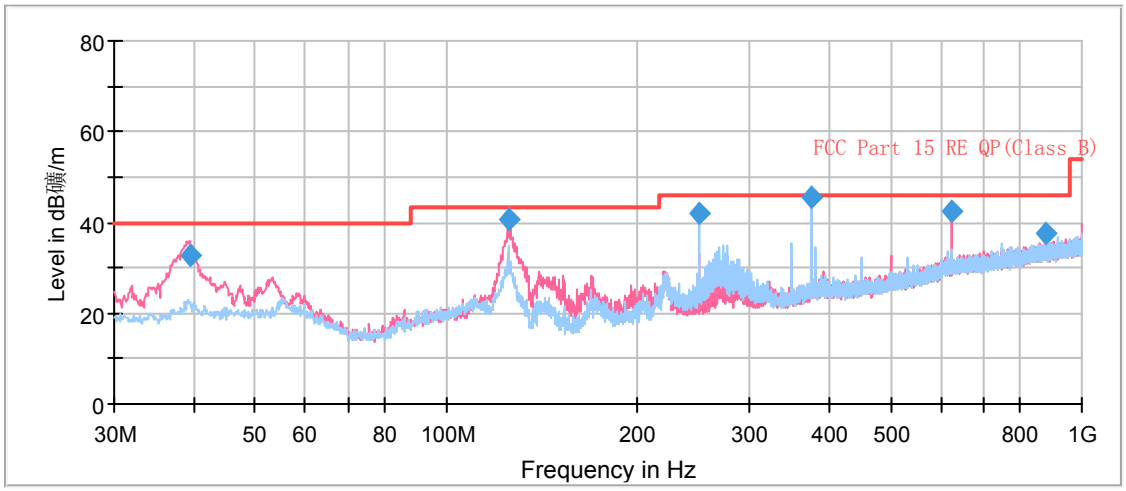
Frequency (MHz)	Peak (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18405.875000	32.2	H	274.0	37.2	-5.0	41.8	74
19232.500000	28.3	H	130.0	35.1	-6.8	45.7	74
21623.125000	25.9	H	257.0	34.9	-9.0	48.1	74
23275.312500	27.4	V	255.0	34.6	-7.2	46.6	74
24040.312500	27.6	H	105.0	35.4	-7.8	46.4	74
25225.000000	29.0	H	89.0	34.9	-5.9	45.0	74

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18397.375000	21.4	H	172.0	26.3	-4.9	32.6	54
19501.312500	16.6	V	221.0	24.1	-7.5	37.4	54
21653.937500	14.7	V	0.0	23.9	-9.2	39.3	54
22040.687500	15.7	V	139.0	23.7	-8.0	38.3	54
24721.375000	16.6	V	330.0	22.9	-6.3	37.4	54
25227.125000	17.8	H	155.0	23.7	-5.9	36.2	54

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

Zigbee CH11

FCC RE 0.03-1GHz QP Class B



Radiates Emission from 30MHz to 1GHz

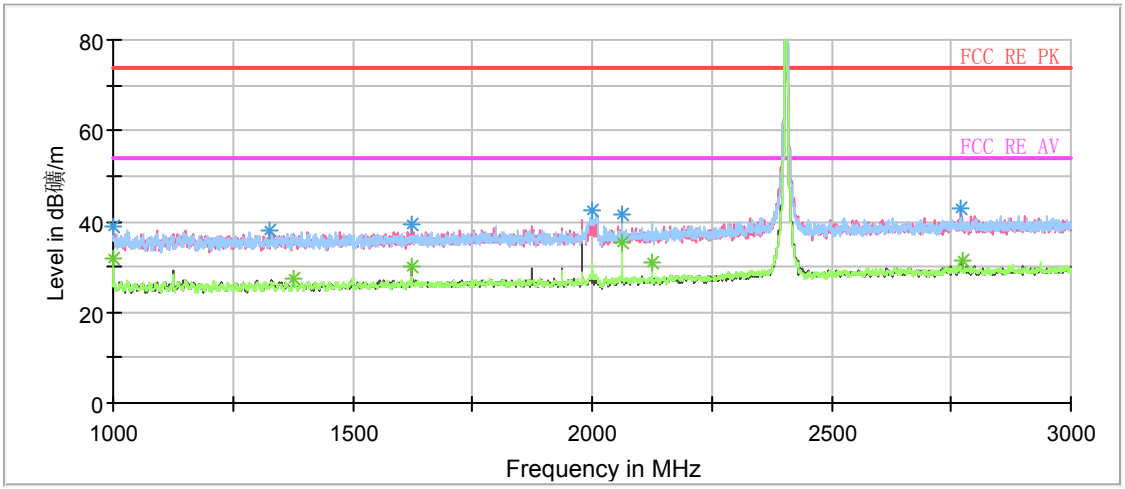
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
39.416250	32.6	100.0	V	0.0	45.6	-13.0	7.4	40.0
125.018750	40.5	100.0	V	20.0	50.4	-9.9	3.0	43.5
249.987500	41.8	118.0	H	94.0	55.9	-14.1	4.2	46.0
374.996250	45.6	200.0	H	0.0	63.0	-17.4	0.4	46.0
624.973750	42.5	100.0	V	327.0	64.7	-22.2	3.5	46.0
874.991250	37.4	190.0	V	22.0	62.7	-25.3	8.6	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 Class B



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

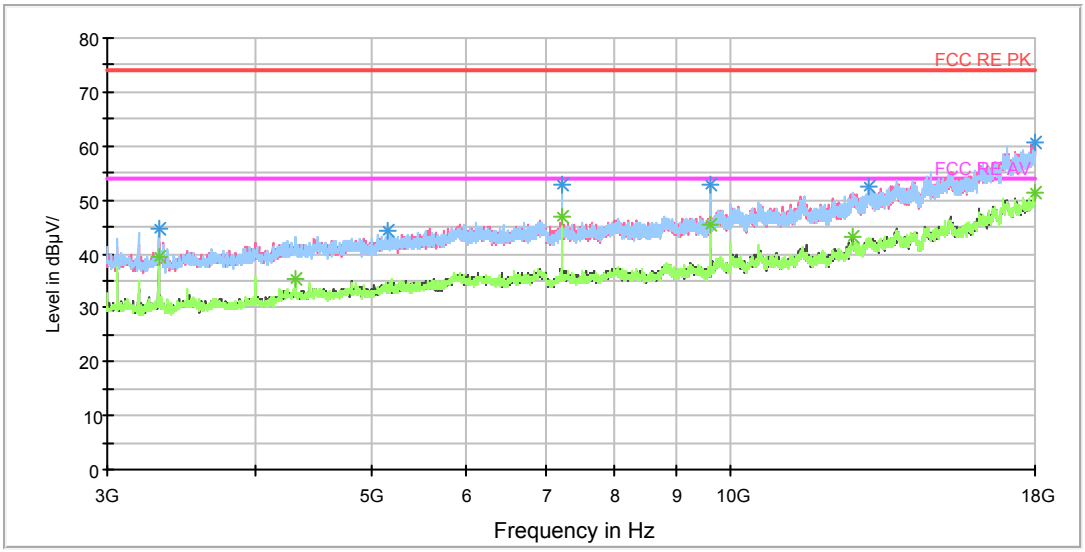
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1000.000000	38.7	100.0	V	20.0	50.1	-11.4	35.3	74
1375.000000	36.2	100.0	V	20.0	46.1	-9.9	37.8	74
1625.000000	39.5	100.0	V	11.0	48.4	-8.9	34.5	74
2062.500000	41.3	100.0	H	0.0	48.7	-7.4	32.7	74
2772.500000	39.8	100.0	V	20.0	44.0	-4.2	34.2	74
2125.000000	39.6	100.0	H	0.0	46.6	-7.0	34.4	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)
1000.000000	31.9	100.0	V	20.0	43.3	-11.4	22.1	54
1375.000000	27.2	100.0	V	20.0	37.1	-9.9	26.8	54
1625.000000	29.8	100.0	V	11.0	38.7	-8.9	24.2	54
2062.500000	35.2	100.0	H	0.0	42.6	-7.4	18.8	54
2772.500000	31.5	100.0	V	20.0	35.7	-4.2	22.5	54
2125.000000	30.9	100.0	H	0.0	37.9	-7.0	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

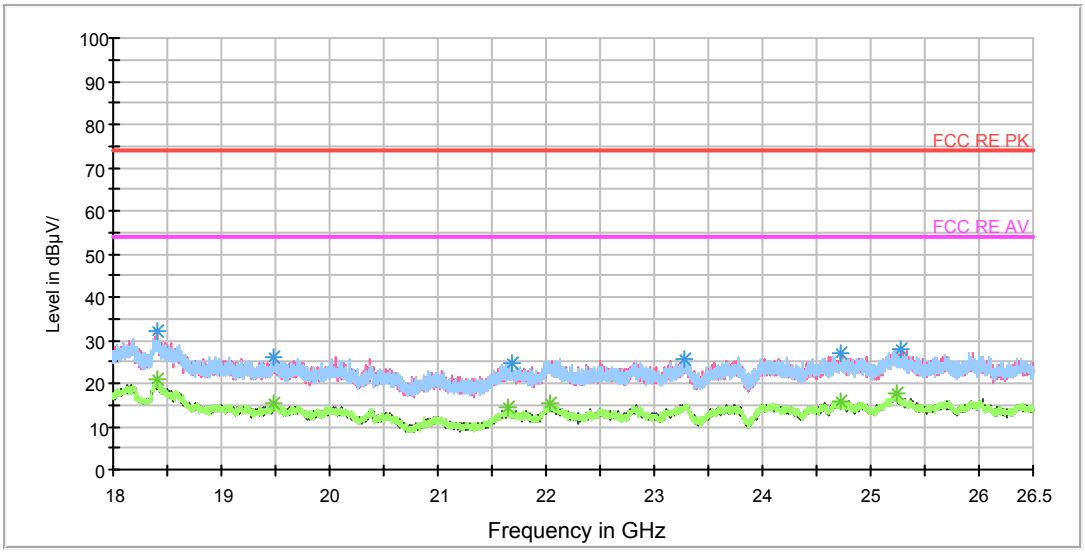
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3311.250000	44.8	200.0	V	314.0	46.2	-1.4	29.2	74
5161.875000	44.4	100.0	H	165.0	48.0	-3.6	29.6	74
7213.125000	53.0	100.0	V	256.0	61.7	-8.7	21.0	74
9622.500000	52.8	100.0	H	177.0	63.0	-10.2	21.2	74
13051.875000	52.4	100.0	V	167.0	68.6	-16.2	21.6	74
17998.125000	60.6	100.0	H	152.0	86.0	-25.4	13.4	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)
3311.250000	39.5	200.0	V	314.0	40.9	-1.4	14.5	54
4312.500000	35.5	200.0	H	103.0	37.6	-2.1	18.5	54
7213.125000	46.7	100.0	V	256.0	55.4	-8.7	7.3	54
9622.500000	45.4	100.0	H	177.0	55.6	-10.2	8.6	54
12660.000000	43.0	200.0	V	94.0	57.9	-14.9	11.0	54
17996.250000	51.4	200.0	H	103.0	76.8	-25.4	2.6	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)
18398.437500	32.3	V	0.0	37.2	-4.9	41.7	74
19486.437500	26.0	V	0.0	33.7	-7.7	48.0	74
21678.375000	24.8	V	0.0	34.2	-9.4	49.2	74
23277.437500	25.6	H	0.0	32.8	-7.2	48.4	74
24720.312500	26.9	V	0.0	33.2	-6.3	47.1	74
25286.625000	27.9	V	0.0	34.7	-6.8	46.1	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)
18398.437500	20.9	V	0.0	25.8	-4.9	33.1	54
19490.687500	15.4	V	0.0	23.0	-7.6	38.6	54
21648.625000	14.2	H	0.0	23.4	-9.2	39.8	54
22030.062500	15.1	V	0.0	23.1	-8.0	38.9	54
24725.625000	15.9	H	0.0	22.1	-6.2	38.1	54
25233.500000	17.5	H	0.0	23.4	-5.9	36.5	54

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

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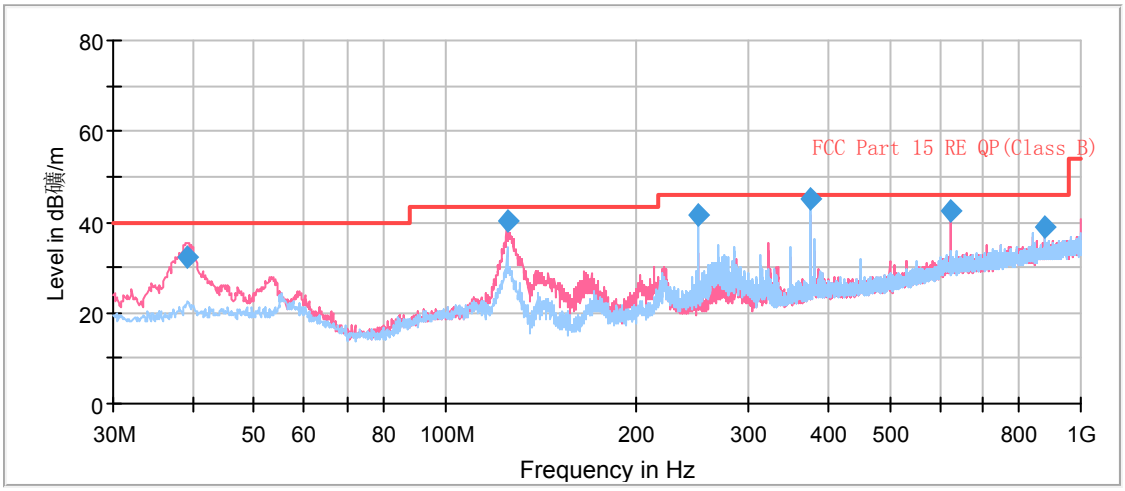


Radiates Emission from 30MHz to 1GHz

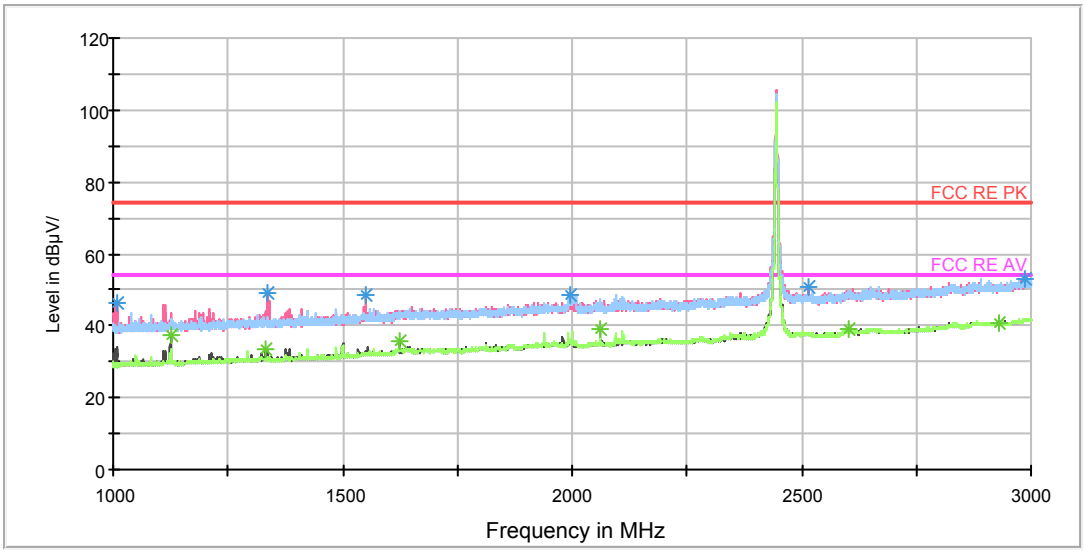
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
39.373750	32.4	100.0	V	242.0	45.4	-13.0	7.6	40.0
125.018750	40.1	100.0	V	14.0	50.0	-9.9	3.4	43.5
249.987500	41.5	118.0	H	102.0	55.6	-14.1	4.5	46.0
374.996250	45.1	200.0	H	0.0	62.5	-17.4	0.9	46.0
624.973750	42.6	100.0	V	324.0	64.8	-22.2	3.4	46.0
874.992500	38.8	113.0	V	77.0	64.1	-25.3	7.2	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

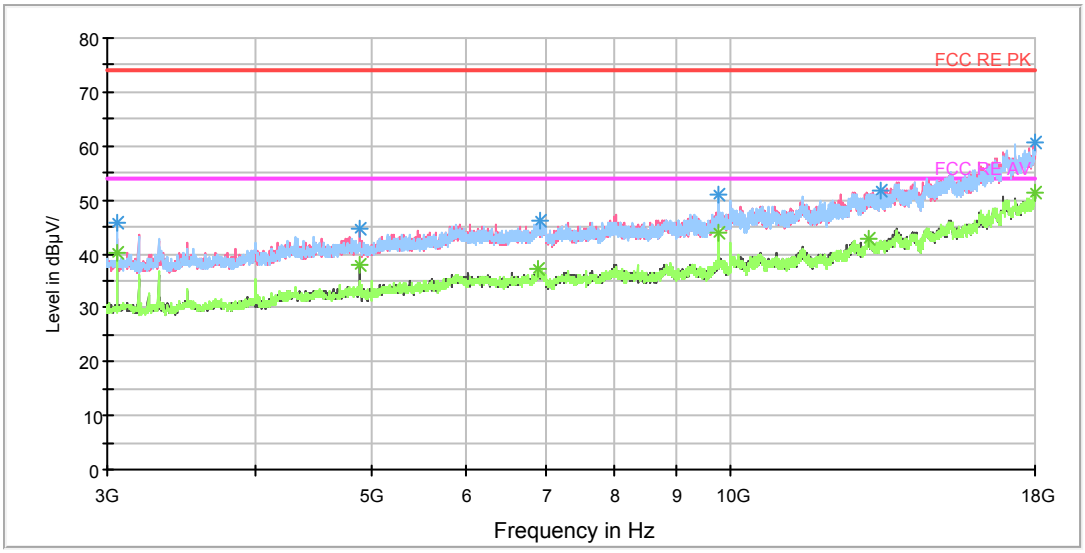
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1008.250000	46.5	101.0	V	201.0	55.8	-9.3	27.5	74
1335.250000	49.1	101.0	V	0.0	56.5	-7.4	24.9	74
1550.250000	48.8	101.0	V	161.0	55.1	-6.3	25.2	74
1996.750000	48.8	101.0	H	0.0	52.1	-3.3	25.2	74
2514.500000	50.6	101.0	V	91.0	50.8	-0.2	23.4	74
2984.750000	52.9	101.0	H	159.0	55.1	-2.2	21.1	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)
1124.750000	37.4	101.0	V	127.0	45.8	-8.4	16.6	54
1333.750000	33.7	101.0	V	0.0	41.1	-7.4	20.3	54
1625.000000	35.5	101.0	V	0.0	40.3	-4.8	18.5	54
2062.500000	38.9	101.0	H	0.0	42.0	-3.1	15.1	54
2602.250000	39.0	101.0	V	326.0	39.4	-0.4	15.0	54
2932.000000	40.8	101.0	H	239.0	42.6	-1.8	13.2	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

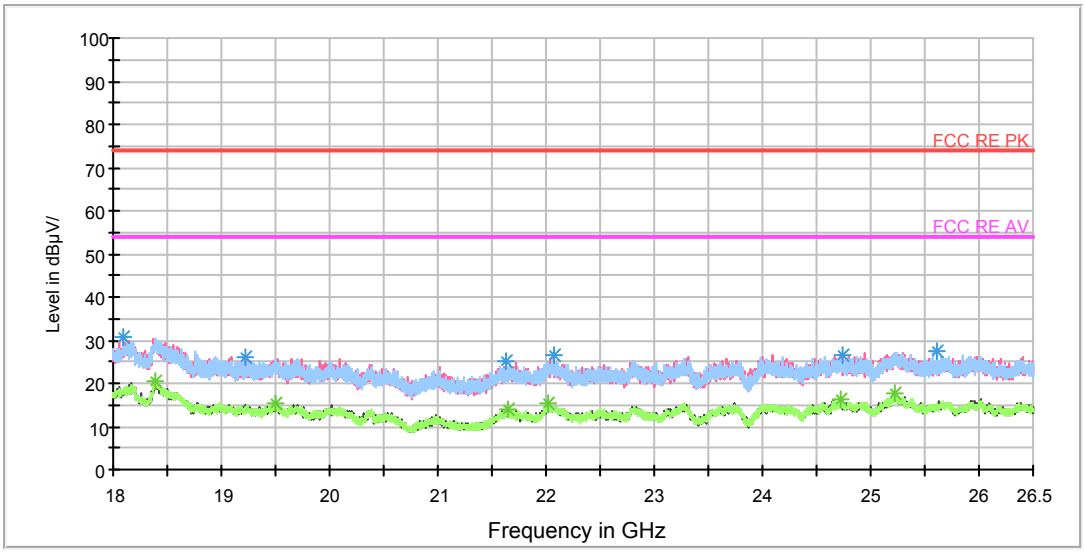
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3061.875000	45.9	200.0	H	130.0	47.5	-1.6	28.1	74
4890.000000	44.5	200.0	V	252.0	47.6	-3.1	29.5	74
6918.750000	46.0	100.0	H	112.0	52.9	-6.9	28.0	74
9781.875000	51.0	100.0	H	259.0	63.1	-12.1	23.0	74
13351.875000	51.9	200.0	V	75.0	67.7	-15.8	22.1	74
17996.250000	60.5	200.0	V	145.0	85.9	-25.4	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)
3061.875000	40.3	200.0	H	130.0	41.9	-1.6	13.7	54
4888.125000	37.8	200.0	V	252.0	40.9	-3.1	16.2	54
6905.625000	37.1	200.0	H	293.0	44.0	-6.9	16.9	54
9781.875000	44.0	100.0	H	259.0	56.1	-12.1	10.0	54
13038.750000	42.6	101.0	V	282.0	58.8	-16.2	11.4	54
17986.875000	51.4	100.0	H	329.0	76.6	-25.2	2.6	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)
18090.312500	30.9	H	0.0	36.1	-5.2	43.1	74
19214.437500	26.2	V	0.0	33.1	-6.9	47.8	74
21622.062500	25.1	V	0.0	34.1	-9.0	48.9	74
22080.000000	26.7	H	0.0	34.9	-8.2	47.3	74
24741.562500	26.7	V	0.0	33.2	-6.5	47.3	74
25612.812500	27.4	H	0.0	35.4	-8.0	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)
18396.312500	20.5	H	0.0	25.4	-4.9	33.5	54
19502.375000	15.5	V	0.0	23.0	-7.5	38.5	54
21648.625000	13.7	H	0.0	22.9	-9.2	40.3	54
22018.375000	15.3	H	0.0	23.4	-8.1	38.7	54
24727.750000	16.2	V	0.0	22.4	-6.2	37.8	54
25226.062500	17.5	H	0.0	23.4	-5.9	36.5	54

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

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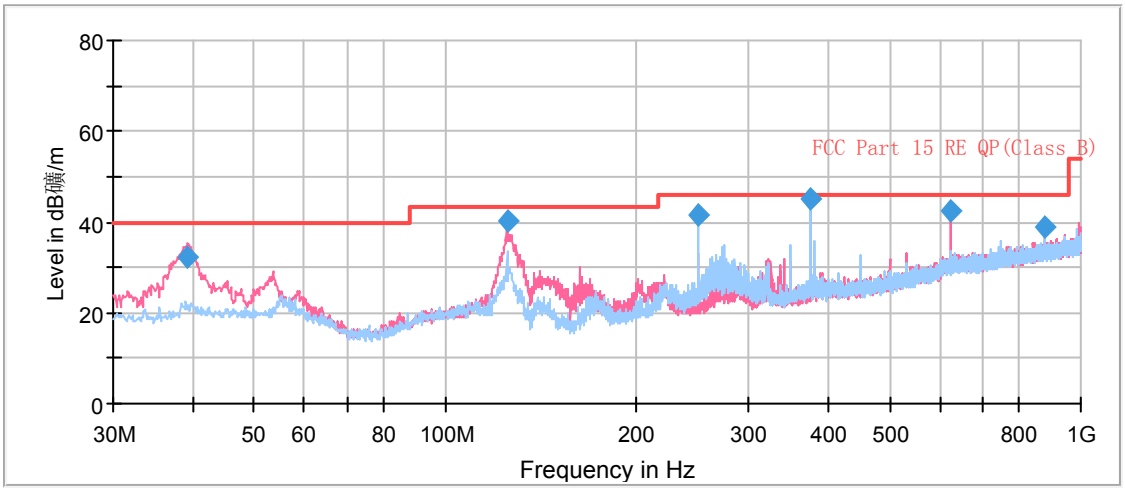


Radiates Emission from 30MHz to 1GHz

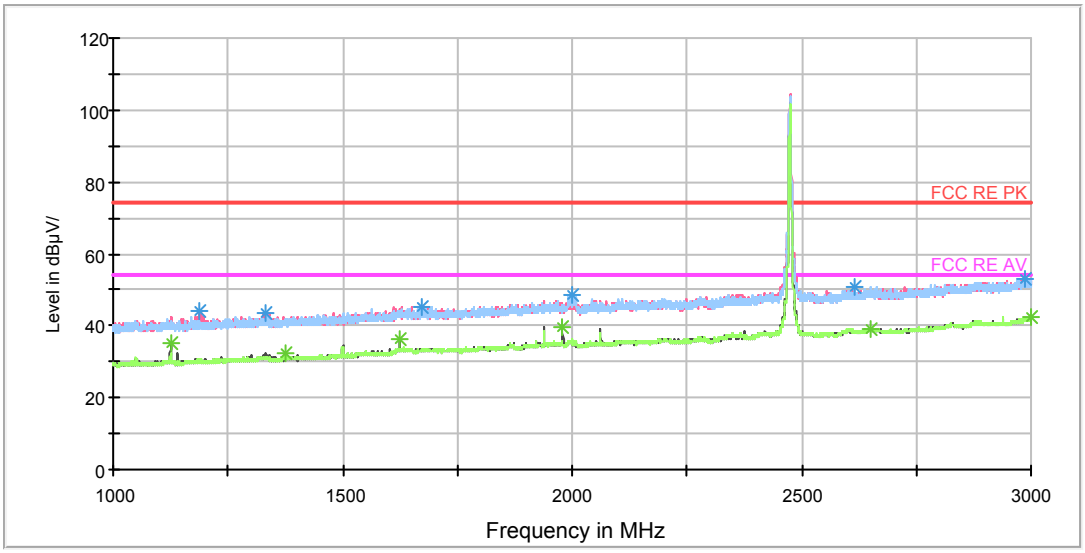
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
39.376250	32.3	100.0	V	251.0	45.3	-13.0	7.7	40.0
125.018750	40.1	100.0	V	14.0	50.0	-9.9	3.4	43.5
249.987500	41.3	125.0	H	107.0	55.4	-14.1	4.7	46.0
374.996250	45.2	200.0	H	0.0	62.6	-17.4	0.8	46.0
624.973750	42.6	100.0	V	293.0	64.8	-22.2	3.4	46.0
874.992500	38.7	175.0	V	18.0	64.0	-25.3	7.3	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

RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

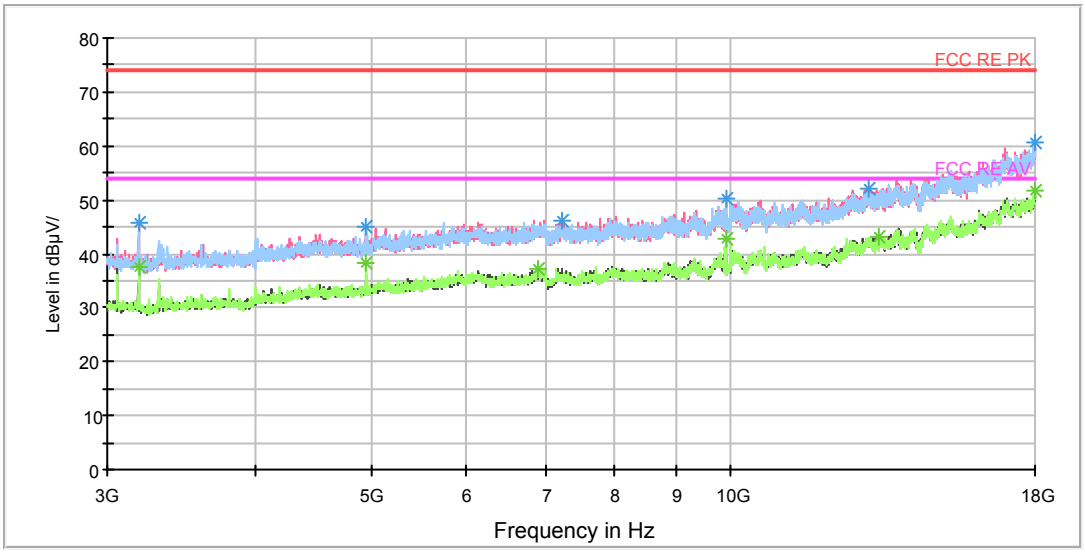
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1186.000000	44.4	101.0	V	294.0	52.5	-8.1	29.6	74
1331.250000	43.6	101.0	V	313.0	51.0	-7.4	30.4	74
1671.500000	45.4	101.0	H	74.0	50.5	-5.1	28.6	74
1999.750000	48.8	101.0	H	0.0	52.2	-3.4	25.2	74
2616.750000	51.1	101.0	H	167.0	51.1	-0.0	22.9	74
2987.250000	53.2	101.0	H	37.0	55.4	-2.2	20.8	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)
1124.750000	34.9	101.0	V	153.0	43.3	-8.4	19.1	54
1375.000000	32.2	101.0	V	0.0	39.3	-7.1	21.8	54
1625.000000	36.1	101.0	V	0.0	40.9	-4.8	17.9	54
1980.000000	39.7	101.0	V	0.0	43.4	-3.7	14.3	54
2650.000000	39.3	101.0	V	263.0	39.7	-0.4	14.7	54
2998.250000	42.2	101.0	V	128.0	44.5	-2.3	11.8	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

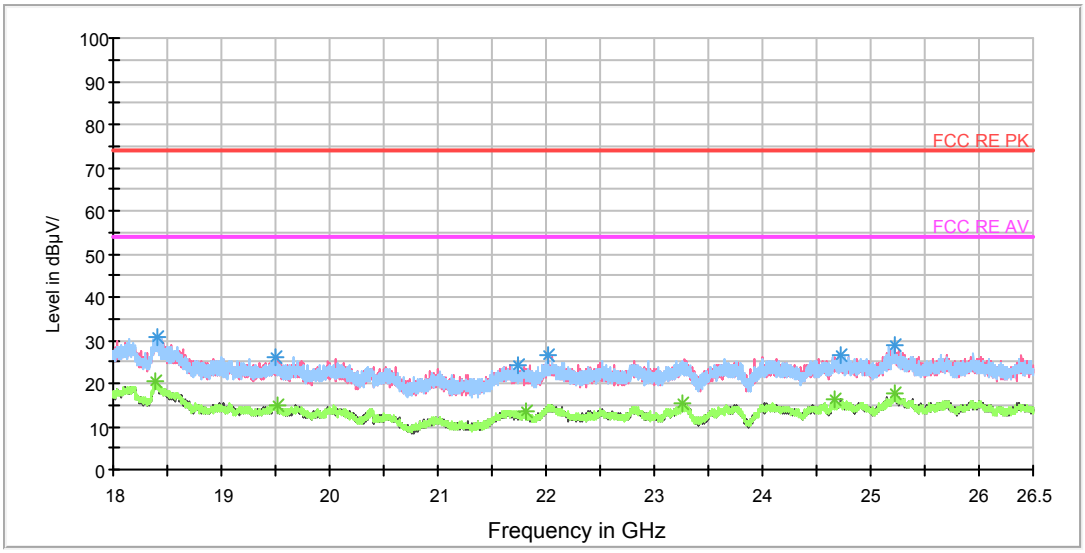
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3185.625000	45.6	101.0	V	291.0	47.3	-1.7	28.4	74
4950.000000	45.1	101.0	H	61.0	48.2	-3.1	28.9	74
7209.375000	46.2	101.0	V	291.0	54.9	-8.7	27.8	74
9901.875000	50.2	101.0	H	37.0	61.5	-11.3	23.8	74
13035.000000	52.2	101.0	V	0.0	68.4	-16.2	21.8	74
18000.000000	60.5	101.0	V	0.0	85.9	-25.4	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)
3187.500000	37.6	101.0	V	291.0	39.3	-1.7	16.4	54
4950.000000	38.3	101.0	H	61.0	41.4	-3.1	15.7	54
6901.875000	37.3	101.0	V	107.0	44.3	-7.0	16.7	54
9901.875000	42.7	101.0	H	37.0	54.0	-11.3	11.3	54
13321.875000	43.2	101.0	H	121.0	58.8	-15.6	10.8	54
17986.875000	51.5	101.0	H	330.0	76.7	-25.2	2.5	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)
18415.437500	30.8	V	0.0	35.9	-5.1	43.2	74
19502.375000	26.2	H	0.0	33.7	-7.5	47.8	74
21742.125000	24.4	H	0.0	33.8	-9.4	49.6	74
22017.312500	26.4	V	0.0	34.5	-8.1	47.6	74
24718.187500	26.7	H	0.0	33.1	-6.4	47.3	74
25218.625000	28.6	V	0.0	34.6	-6.0	45.4	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)
18384.625000	20.5	H	0.0	25.3	-4.8	33.5	54
19511.937500	15.1	V	0.0	22.6	-7.5	38.9	54
21812.250000	13.7	V	0.0	22.4	-8.7	40.3	54
23253.000000	15.1	V	0.0	22.6	-7.5	38.9	54
24659.750000	16.1	V	0.0	23.1	-7.0	37.9	54
25227.125000	17.5	H	0.0	23.4	-5.9	36.5	54

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

5.8. Conducted Emission

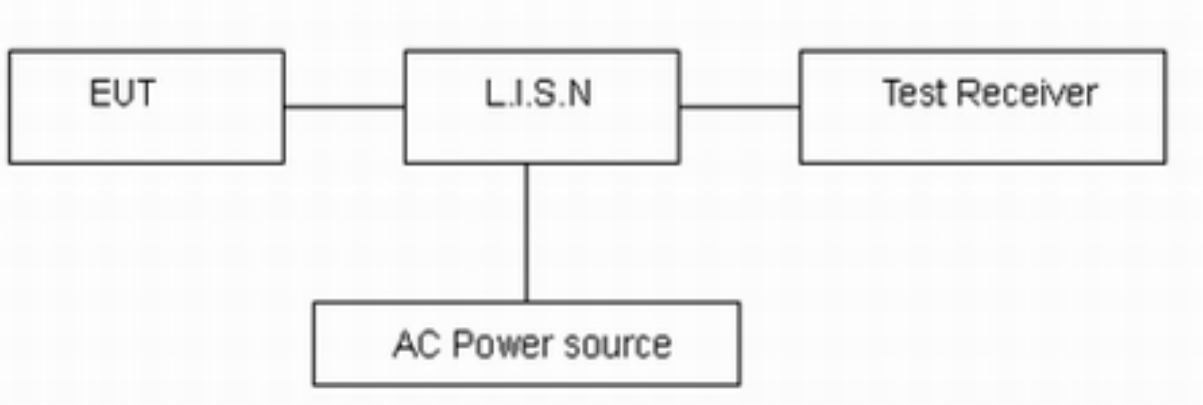
Ambient condition

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

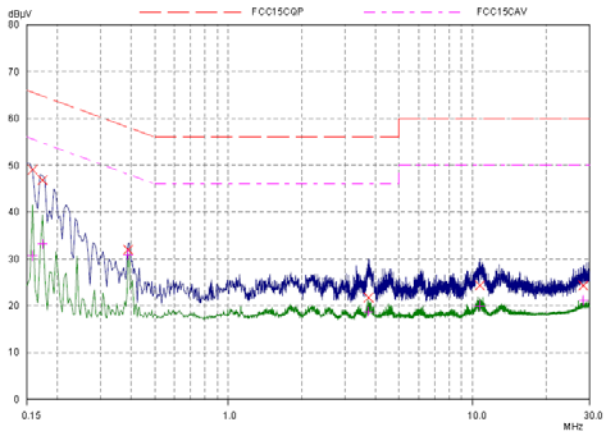
The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 1.96, U= 2.69 dB.

Test Results:

Antenna 1

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

802.11b, Channel No.: 1 L Line

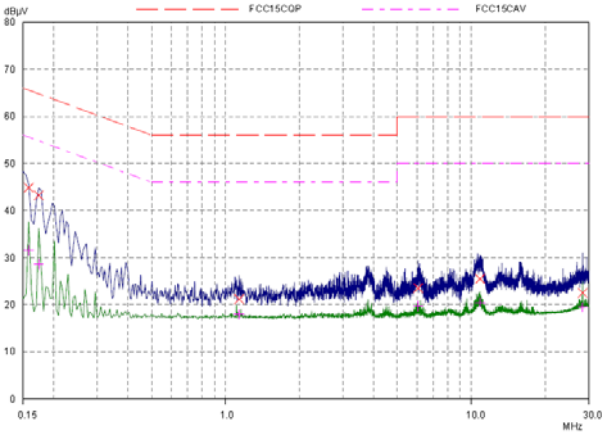


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.15781	49.04	65.58	16.54	L1	gnd
0.17343	46.82	64.79	17.97	L1	gnd
0.38828	31.98	58.10	26.12	L1	gnd
3.74765	21.73	56.00	34.27	L1	gnd
10.69687	24.29	60.00	35.71	L1	gnd
28.36093	24.26	60.00	35.74	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.15781	30.70	55.58	24.88	L1	gnd
0.17343	33.16	54.79	21.63	L1	gnd
0.38828	30.91	48.10	17.19	L1	gnd
3.74765	18.73	46.00	27.27	L1	gnd
10.69687	19.98	50.00	30.02	L1	gnd
28.36093	21.08	50.00	28.92	L1	gnd

802.11b, Channel No.: 1 N Line

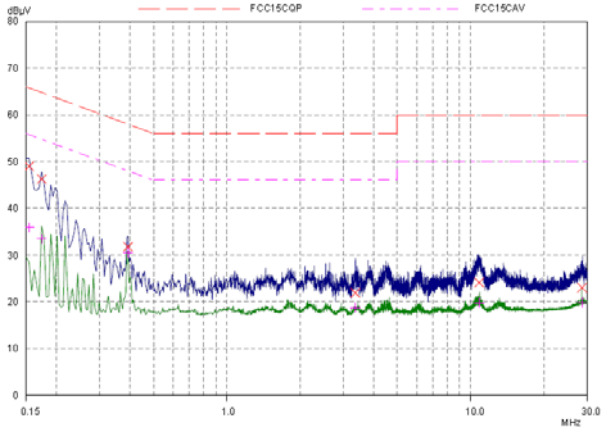


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.15781	44.88	65.58	20.70	N	gnd
0.17343	43.22	64.79	21.57	N	gnd
1.13437	21.20	56.00	34.80	N	gnd
6.07578	23.51	60.00	36.49	N	gnd
10.85312	25.50	60.00	34.50	N	gnd
28.39609	22.51	60.00	37.49	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.15781	31.52	55.58	24.06	N	gnd
0.17343	28.59	54.79	26.20	N	gnd
1.13437	17.96	46.00	28.04	N	gnd
6.07578	19.73	50.00	30.27	N	gnd
10.85312	20.45	50.00	29.55	N	gnd
28.39609	19.49	50.00	30.51	N	gnd

802.11b, Channel No.: 6 L Line

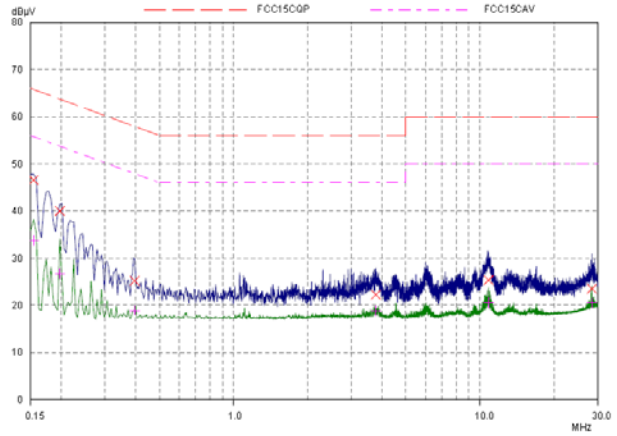


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.1539	49.02	65.79	16.77	L1	gnd
0.17343	46.28	64.79	18.51	L1	gnd
0.39218	31.78	58.02	26.24	L1	gnd
3.36484	21.90	56.00	34.10	L1	gnd
10.8375	24.10	60.00	35.90	L1	gnd
28.64609	23.02	60.00	36.98	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.1539	35.91	55.79	19.88	L1	gnd
0.17343	33.51	54.79	21.28	L1	gnd
0.39218	30.53	48.02	17.49	L1	gnd
3.36484	18.79	46.00	27.21	L1	gnd
10.8375	19.79	50.00	30.21	L1	gnd
28.64609	19.93	50.00	30.07	L1	gnd

802.11b, Channel No.: 6 N Line

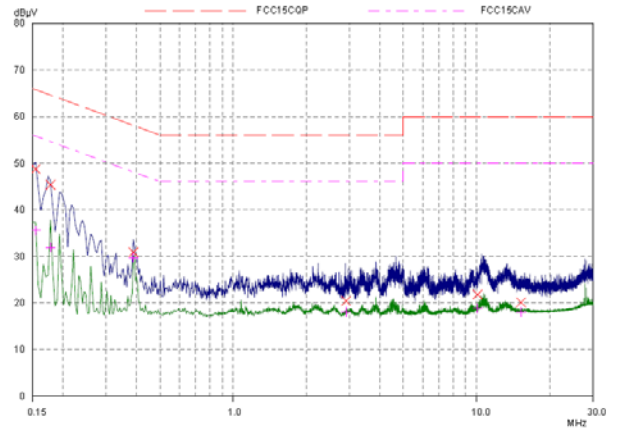


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.1539	46.56	65.79	19.23	N	gnd
0.19687	40.00	63.74	23.74	N	gnd
0.39609	25.20	57.93	32.73	N	gnd
3.775	22.23	56.00	33.77	N	gnd
10.82578	25.34	60.00	34.66	N	gnd
28.45468	23.52	60.00	36.48	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.1539	33.75	55.79	22.04	N	gnd
0.19687	26.77	53.74	26.97	N	gnd
0.39609	18.94	47.93	28.99	N	gnd
3.775	18.88	46.00	27.12	N	gnd
10.82578	20.58	50.00	29.42	N	gnd
28.45468	20.52	50.00	29.48	N	gnd

802.11b, Channel No.: 11 L Line

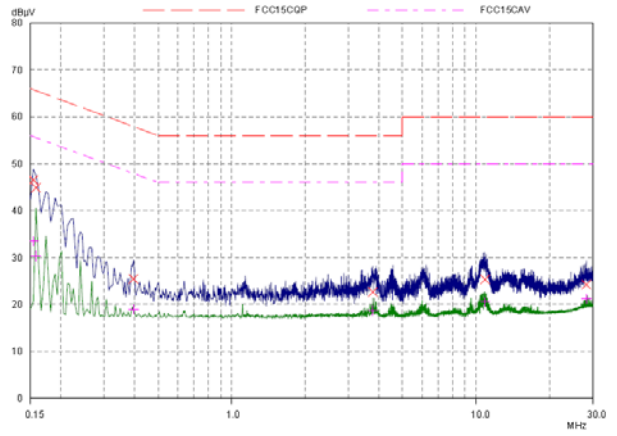


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.1539	48.74	65.79	17.05	L1	gnd
0.17734	45.34	64.61	19.27	L1	gnd
0.38828	30.86	58.10	27.24	L1	gnd
2.90781	20.39	56.00	35.61	L1	gnd
10.0914	21.80	60.00	38.20	L1	gnd
15.23593	20.11	60.00	39.89	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.1539	35.57	55.79	20.22	L1	gnd
0.17734	31.91	54.61	22.70	L1	gnd
0.38828	29.71	48.10	18.39	L1	gnd
2.90781	18.08	46.00	27.92	L1	gnd
10.0914	18.82	50.00	31.18	L1	gnd
15.23593	18.06	50.00	31.94	L1	gnd

802.11b, Channel No.: 11 N Line

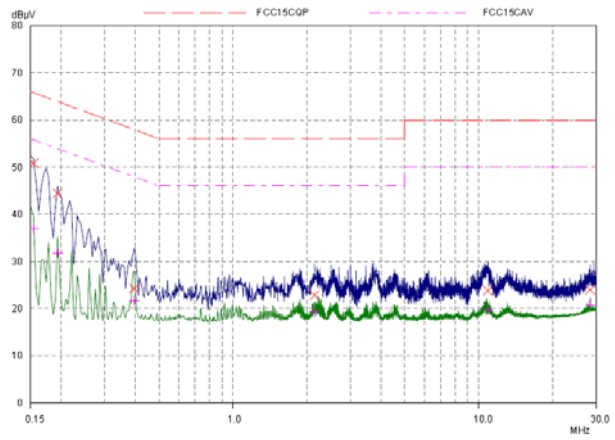


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.1539	46.56	65.79	19.23	N	gnd
0.15781	44.90	65.58	20.68	N	gnd
0.39609	25.44	57.93	32.49	N	gnd
3.7789	22.67	56.00	33.33	N	gnd
10.86093	25.32	60.00	34.68	N	gnd
28.26718	24.21	60.00	35.79	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.1539	33.53	55.79	22.26	N	gnd
0.15781	30.31	55.58	25.27	N	gnd
0.39609	18.94	47.93	28.99	N	gnd
3.7789	18.65	46.00	27.35	N	gnd
10.86093	20.51	50.00	29.49	N	gnd
28.26718	21.21	50.00	28.79	N	gnd

802.11g, Channel No.: 1 L Line

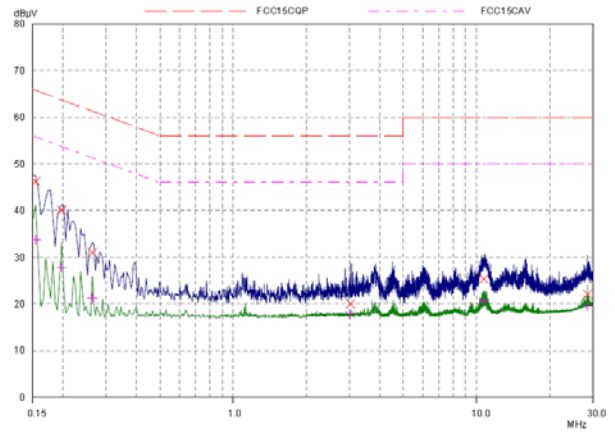


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.1539	50.80	65.79	14.99	L1	gnd
0.19296	44.43	63.91	19.48	L1	gnd
0.39609	24.22	57.93	33.71	L1	gnd
2.14609	22.84	56.00	33.16	L1	gnd
10.88437	23.80	60.00	36.20	L1	gnd
28.40781	23.97	60.00	36.03	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.1539	36.95	55.79	18.84	L1	gnd
0.19296	31.77	53.91	22.14	L1	gnd
0.39609	21.66	47.93	26.27	L1	gnd
2.14609	19.36	46.00	26.64	L1	gnd
10.88437	19.79	50.00	30.21	L1	gnd
28.40781	20.81	50.00	29.19	L1	gnd

802.11g, Channel No.: 1 N Line

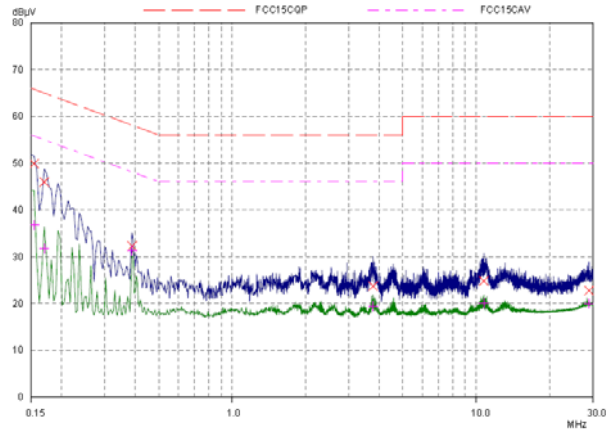


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.1539	46.22	65.79	19.57	N	gnd
0.19687	40.06	63.74	23.68	N	gnd
0.26328	30.97	61.33	30.36	N	gnd
3.0289	20.04	56.00	35.96	N	gnd
10.7164	25.32	60.00	34.68	N	gnd
28.58359	22.07	60.00	37.93	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.1539	33.75	55.79	22.04	N	gnd
0.19687	27.80	53.74	25.94	N	gnd
0.26328	21.25	51.33	30.08	N	gnd
3.0289	17.75	46.00	28.25	N	gnd
10.7164	20.58	50.00	29.42	N	gnd
28.58359	19.51	50.00	30.49	N	gnd

802.11g, Channel No.: 6 L Line

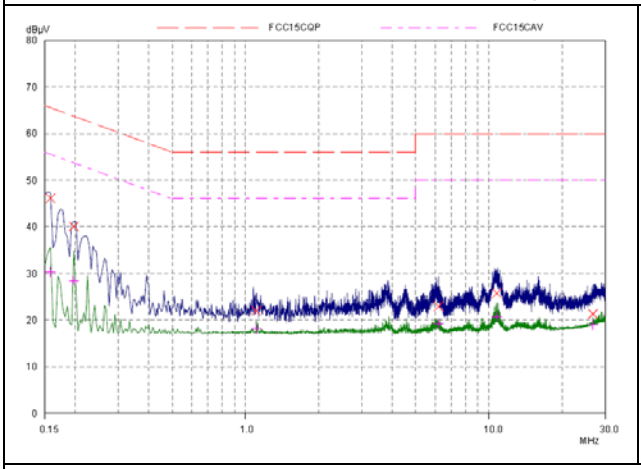


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.1539	49.88	65.79	15.91	L1	gnd
0.16953	45.96	64.98	19.02	L1	gnd
0.38828	32.26	58.10	25.84	L1	gnd
3.775	23.71	56.00	32.29	L1	gnd
10.73593	24.78	60.00	35.22	L1	gnd
28.97812	22.76	60.00	37.24	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.1539	36.80	55.79	18.99	L1	gnd
0.16953	31.71	54.98	23.27	L1	gnd
0.38828	31.28	48.10	16.82	L1	gnd
3.775	19.39	46.00	26.61	L1	gnd
10.73593	20.06	50.00	29.94	L1	gnd
28.97812	19.97	50.00	30.03	L1	gnd

802.11g, Channel No.: 6 N Line

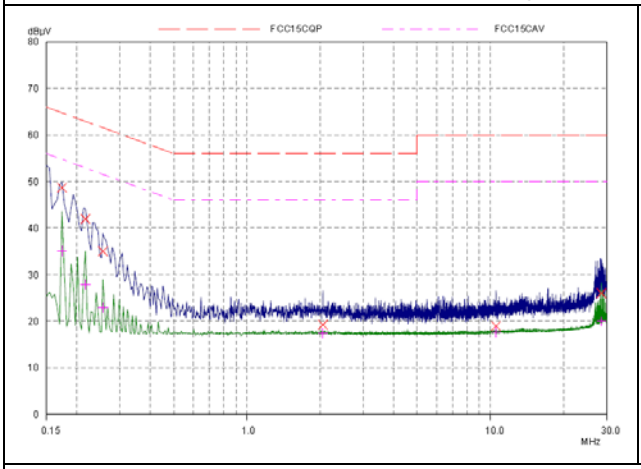


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.15781	46.14	65.58	19.44	N	gnd
0.19687	40.08	63.74	23.66	N	gnd
1.10703	22.02	56.00	33.98	N	gnd
6.2125	22.94	60.00	37.06	N	gnd
10.76718	25.76	60.00	34.24	N	gnd
26.72031	21.33	60.00	38.67	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.15781	30.31	55.58	25.27	N	gnd
0.19687	28.52	53.74	25.22	N	gnd
1.10703	18.21	46.00	27.79	N	gnd
6.2125	19.17	50.00	30.83	N	gnd
10.76718	20.83	50.00	29.17	N	gnd
26.72031	19.04	50.00	30.96	N	gnd

802.11g, Channel No.: 11 L Line

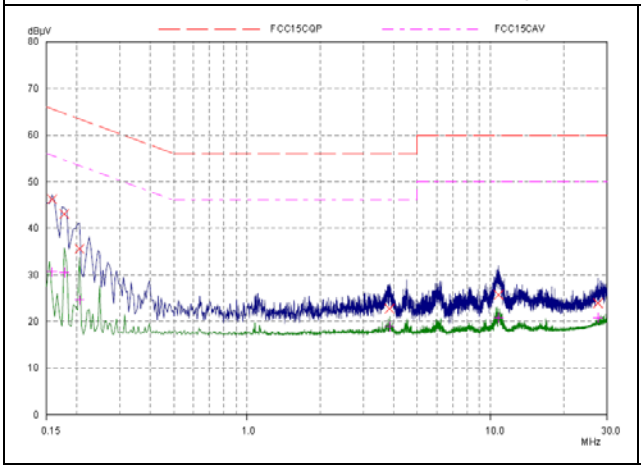


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.17343	48.68	64.79	16.11	L1	gnd
0.2164	41.97	62.96	20.99	L1	gnd
0.25546	35.05	61.58	26.53	L1	gnd
2.04843	19.30	56.00	36.70	L1	gnd
10.54062	19.01	60.00	40.99	L1	gnd
28.5875	26.03	60.00	33.97	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.17343	35.14	54.79	19.65	L1	gnd
0.2164	27.95	52.96	25.01	L1	gnd
0.25546	23.00	51.58	28.58	L1	gnd
2.04843	17.47	46.00	28.53	L1	gnd
10.54062	17.68	50.00	32.32	L1	gnd
28.5875	20.00	50.00	30.00	L1	gnd

802.11g, Channel No.: 11 N Line

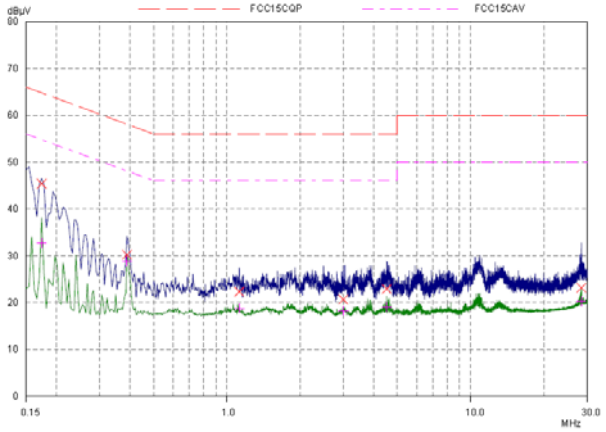


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.15781	46.18	65.58	19.40	N	gnd
0.17734	43.02	64.61	21.59	N	gnd
0.20468	35.60	63.42	27.82	N	gnd
3.8414	22.74	56.00	33.26	N	gnd
10.78281	25.68	60.00	34.32	N	gnd
27.64218	23.92	60.00	36.08	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.15781	30.63	55.58	24.95	N	gnd
0.17734	30.53	54.61	24.08	N	gnd
0.20468	24.64	53.42	28.78	N	gnd
3.8414	18.89	46.00	27.11	N	gnd
10.78281	20.76	50.00	29.24	N	gnd
27.64218	20.72	50.00	29.28	N	gnd

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

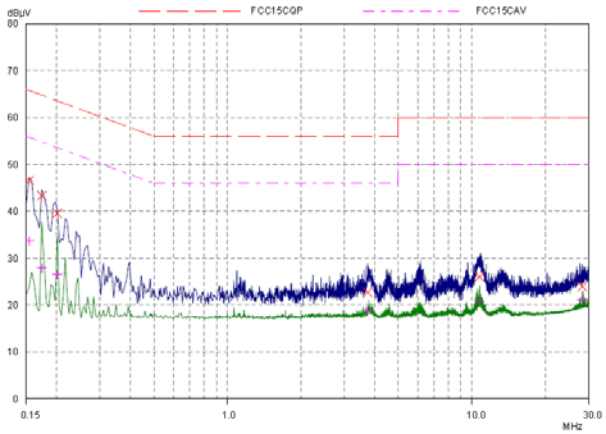


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.17343	45.36	64.79	19.43	L1	gnd
0.38828	30.20	58.10	27.90	L1	gnd
1.12265	22.30	56.00	33.70	L1	gnd
2.99765	20.64	56.00	35.36	L1	gnd
4.52109	22.87	56.00	33.13	L1	gnd
28.45468	23.14	60.00	36.86	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.17343	32.75	54.79	22.04	L1	gnd
0.38828	28.80	48.10	19.30	L1	gnd
1.12265	18.75	46.00	27.25	L1	gnd
2.99765	18.25	46.00	27.75	L1	gnd
4.52109	19.05	46.00	26.95	L1	gnd
28.45468	20.22	50.00	29.78	L1	gnd

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

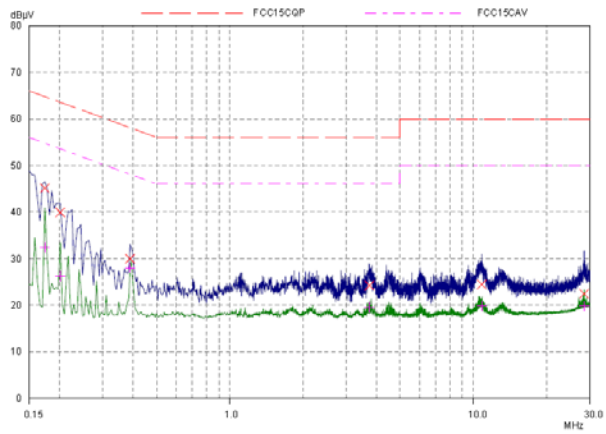


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.1539	46.60	65.79	19.19	N	gnd
0.17343	43.34	64.79	21.45	N	gnd
0.20078	39.56	63.58	24.02	N	gnd
3.74765	22.73	56.00	33.27	N	gnd
10.73593	26.02	60.00	33.98	N	gnd
28.31406	23.96	60.00	36.04	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.1539	33.69	55.79	22.10	N	gnd
0.17343	27.87	54.79	26.92	N	gnd
0.20078	26.52	53.58	27.06	N	gnd
3.74765	18.73	46.00	27.27	N	gnd
10.73593	20.95	50.00	29.05	N	gnd
28.31406	21.08	50.00	28.92	N	gnd

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

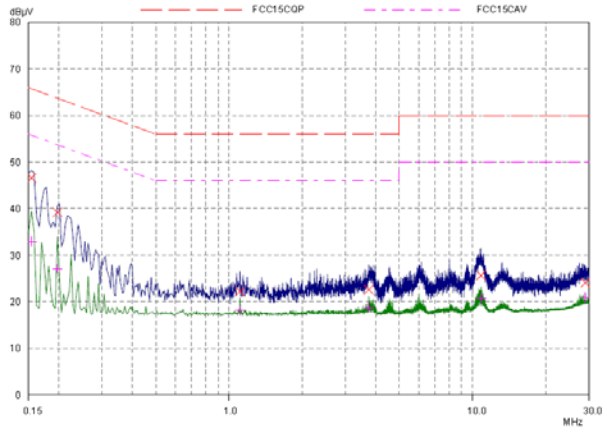


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.17343	45.08	64.79	19.71	L1	gnd
0.20078	39.94	63.58	23.64	L1	gnd
0.38828	29.98	58.10	28.12	L1	gnd
3.73984	24.21	56.00	31.79	L1	gnd
10.82187	24.44	60.00	35.56	L1	gnd
28.50156	22.42	60.00	37.58	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.17343	32.37	54.79	22.42	L1	gnd
0.20078	26.20	53.58	27.38	L1	gnd
0.38828	28.00	48.10	20.10	L1	gnd
3.73984	19.53	46.00	26.47	L1	gnd
10.82187	19.92	50.00	30.08	L1	gnd
28.50156	19.83	50.00	30.17	L1	gnd

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

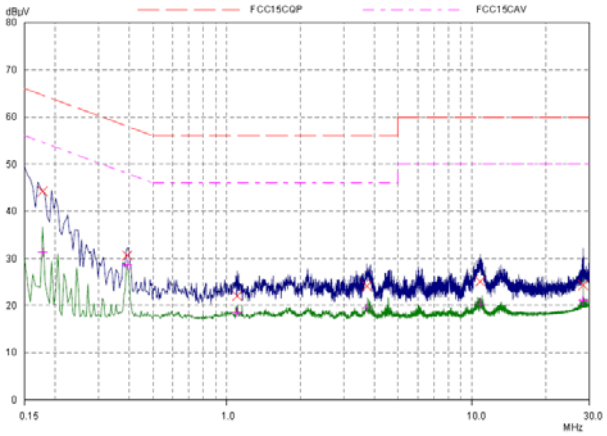


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.1539	46.62	65.79	19.17	N	gnd
0.19687	39.20	63.74	24.54	N	gnd
1.10703	22.24	56.00	33.76	N	gnd
3.74765	22.61	56.00	33.39	N	gnd
10.82968	25.64	60.00	34.36	N	gnd
29.07578	24.07	60.00	35.93	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.1539	32.95	55.79	22.84	N	gnd
0.19687	27.12	53.74	26.62	N	gnd
1.10703	18.13	46.00	27.87	N	gnd
3.74765	18.73	46.00	27.27	N	gnd
10.82968	20.76	50.00	29.24	N	gnd
29.07578	20.96	50.00	29.04	N	gnd

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

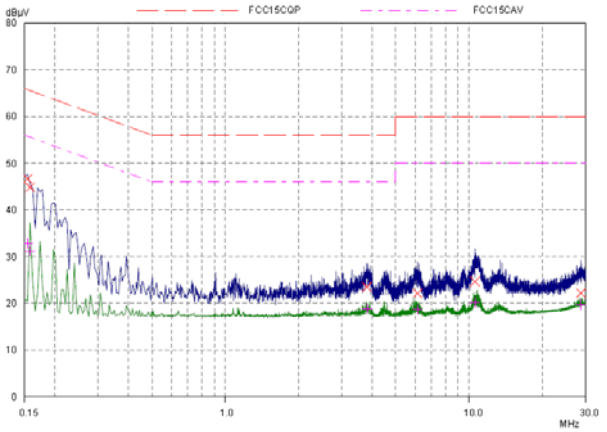


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.17734	44.24	64.61	20.37	L1	gnd
0.39218	30.62	58.02	27.40	L1	gnd
1.10312	22.02	56.00	33.98	L1	gnd
3.72421	24.13	56.00	31.87	L1	gnd
10.79843	25.06	60.00	34.94	L1	gnd
28.40781	24.33	60.00	35.67	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.17734	31.28	54.61	23.33	L1	gnd
0.39218	28.66	48.02	19.36	L1	gnd
1.10312	18.60	46.00	27.40	L1	gnd
3.72421	19.53	46.00	26.47	L1	gnd
10.79843	20.45	50.00	29.55	L1	gnd
28.40781	21.02	50.00	28.98	L1	gnd

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

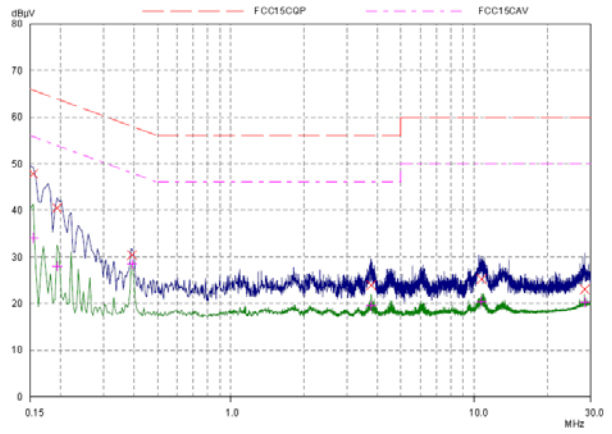


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.1539	46.64	65.79	19.15	N	gnd
0.15781	44.84	65.58	20.74	N	gnd
3.81015	23.51	56.00	32.49	N	gnd
6.14609	22.13	60.00	37.87	N	gnd
10.57187	24.67	60.00	35.33	N	gnd
28.79062	22.18	60.00	37.82	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.1539	32.89	55.79	22.90	N	gnd
0.15781	31.23	55.58	24.35	N	gnd
3.81015	18.95	46.00	27.05	N	gnd
6.14609	18.71	50.00	31.29	N	gnd
10.57187	20.25	50.00	29.75	N	gnd
28.79062	19.71	50.00	30.29	N	gnd

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

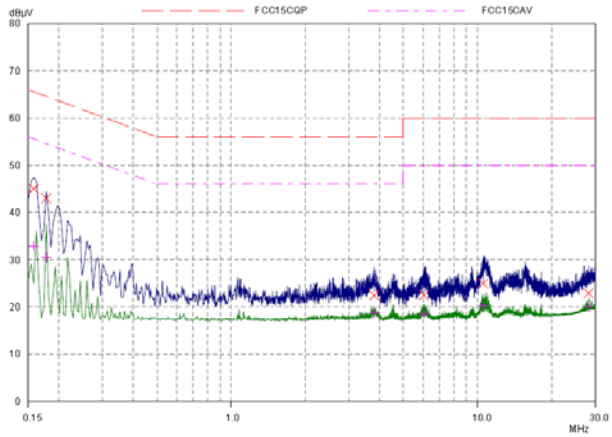


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.1539	47.82	65.79	17.97	L1	gnd
0.19296	40.49	63.91	23.42	L1	gnd
0.39218	30.40	58.02	27.62	L1	gnd
3.77109	23.91	56.00	32.09	L1	gnd
10.72031	25.22	60.00	34.78	L1	gnd
28.45859	23.06	60.00	36.94	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.1539	34.12	55.79	21.67	L1	gnd
0.19296	27.97	53.91	25.94	L1	gnd
0.39218	28.41	48.02	19.61	L1	gnd
3.77109	19.46	46.00	26.54	L1	gnd
10.72031	20.45	50.00	29.55	L1	gnd
28.45859	20.22	50.00	29.78	L1	gnd

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

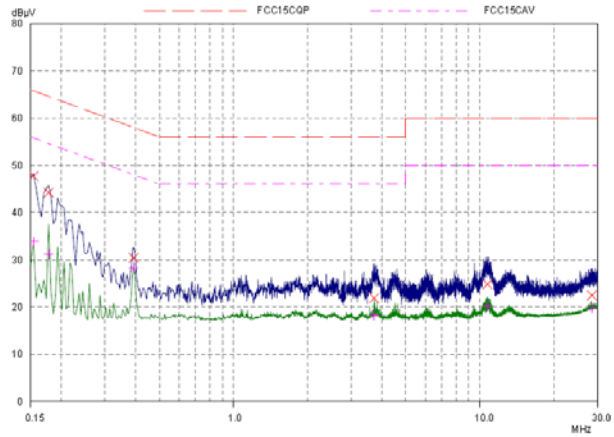


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.15781	45.04	65.58	20.54	N	gnd
0.17734	43.00	64.61	21.61	N	gnd
3.80234	22.43	56.00	33.57	N	gnd
6.05234	22.45	60.00	37.55	N	gnd
10.53671	24.97	60.00	35.03	N	gnd
28.2164	22.91	60.00	37.09	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.15781	32.95	55.58	22.63	N	gnd
0.17734	30.53	54.61	24.08	N	gnd
3.80234	18.80	46.00	27.20	N	gnd
6.05234	18.56	50.00	31.44	N	gnd
10.53671	20.31	50.00	29.69	N	gnd
28.2164	20.04	50.00	29.96	N	gnd

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

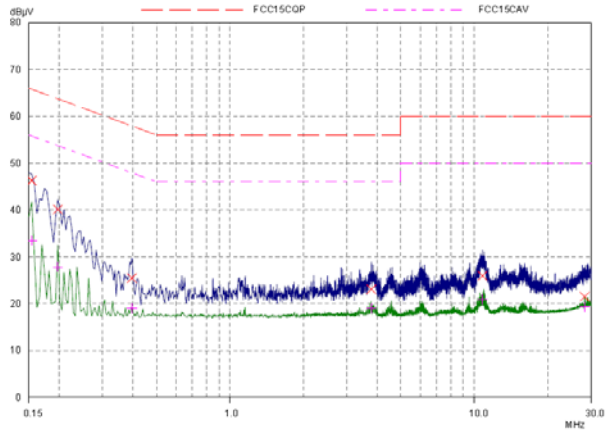


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.1539	47.70	65.79	18.09	L1	gnd
0.17734	44.22	64.61	20.39	L1	gnd
0.39218	30.42	58.02	27.60	L1	gnd
3.7164	21.87	56.00	34.13	L1	gnd
10.72812	24.82	60.00	35.18	L1	gnd
28.50156	22.48	60.00	37.52	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.1539	33.86	55.79	21.93	L1	gnd
0.17734	31.21	54.61	23.40	L1	gnd
0.39218	28.26	48.02	19.76	L1	gnd
3.7164	18.34	46.00	27.66	L1	gnd
10.72812	20.19	50.00	29.81	L1	gnd
28.50156	19.83	50.00	30.17	L1	gnd

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

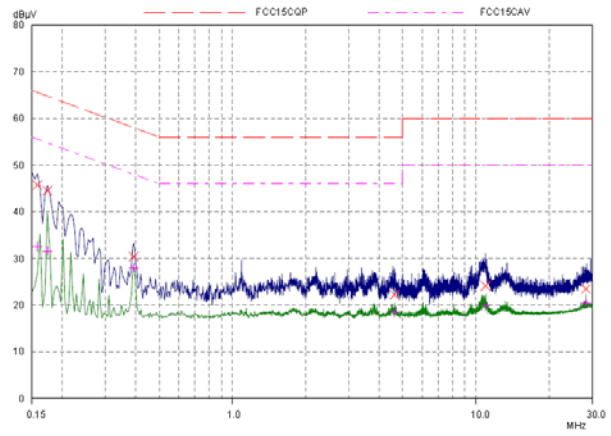


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.1539	46.26	65.79	19.53	N	gnd
0.19687	40.10	63.74	23.64	N	gnd
0.39609	25.46	57.93	32.47	N	gnd
3.78671	23.09	56.00	32.91	N	gnd
10.79453	25.96	60.00	34.04	N	gnd
28.29062	21.49	60.00	38.51	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.1539	33.47	55.79	22.32	N	gnd
0.19687	27.80	53.74	25.94	N	gnd
0.39609	19.02	47.93	28.91	N	gnd
3.78671	19.03	46.00	26.97	N	gnd
10.79453	20.89	50.00	29.11	N	gnd
28.29062	19.30	50.00	30.70	N	gnd

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

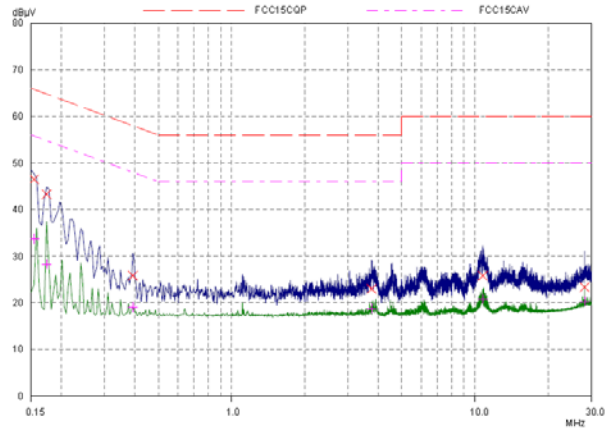


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.15781	45.74	65.58	19.84	L1	gnd
0.17343	44.52	64.79	20.27	L1	gnd
0.39218	30.40	58.02	27.62	L1	gnd
4.62265	22.19	56.00	33.81	L1	gnd
10.94296	24.12	60.00	35.88	L1	gnd
28.31015	23.48	60.00	36.52	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.15781	32.58	55.58	23.00	L1	gnd
0.17343	31.57	54.79	23.22	L1	gnd
0.39218	28.00	48.02	20.02	L1	gnd
4.62265	18.52	46.00	27.48	L1	gnd
10.94296	19.86	50.00	30.14	L1	gnd
28.31015	20.35	50.00	29.65	L1	gnd

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

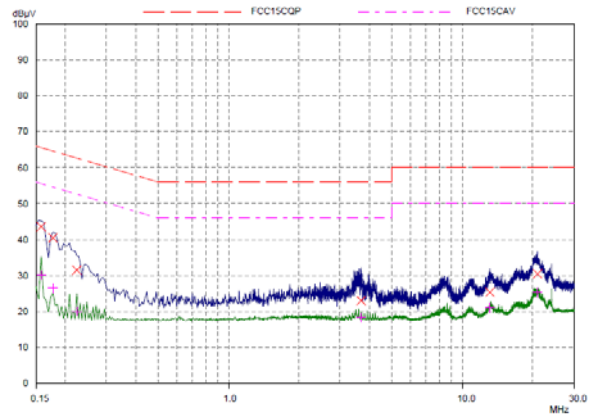


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.1539	46.52	65.79	19.27	N	gnd
0.17343	43.30	64.79	21.49	N	gnd
0.39218	25.82	58.02	32.20	N	gnd
3.75546	22.99	56.00	33.01	N	gnd
10.75156	25.78	60.00	34.22	N	gnd
28.2164	23.39	60.00	36.61	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.1539	33.75	55.79	22.04	N	gnd
0.17343	28.34	54.79	26.45	N	gnd
0.39218	19.02	48.02	29.00	N	gnd
3.75546	18.73	46.00	27.27	N	gnd
10.75156	20.83	50.00	29.17	N	gnd
28.2164	20.27	50.00	29.73	N	gnd

Zigbee, Channel No.: 11 L Line

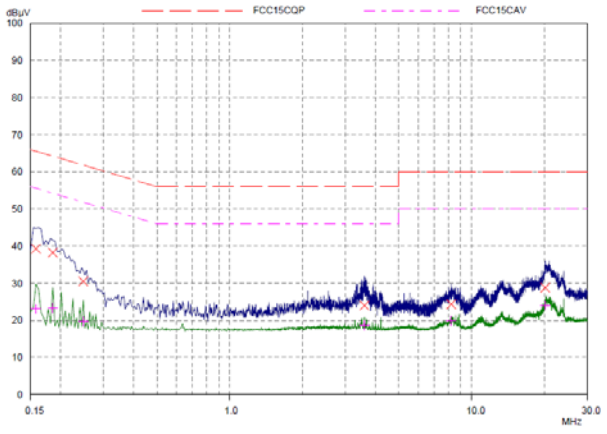


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.15781	43.58	65.58	22.00	L1	gnd
0.17734	40.50	64.61	24.11	L1	gnd
0.22421	31.53	62.66	31.13	L1	gnd
3.68906	23.03	56.00	32.97	L1	gnd
13.11093	25.40	60.00	34.60	L1	gnd
20.92734	30.48	60.00	29.52	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.15781	30.14	55.58	25.44	L1	gnd
0.17734	26.48	54.61	28.13	L1	gnd
0.22421	19.91	52.66	32.75	L1	gnd
3.68906	18.34	46.00	27.66	L1	gnd
13.11093	21.03	50.00	28.97	L1	gnd
20.92734	25.29	50.00	24.71	L1	gnd

Zigbee, Channel No.: 11 N Line

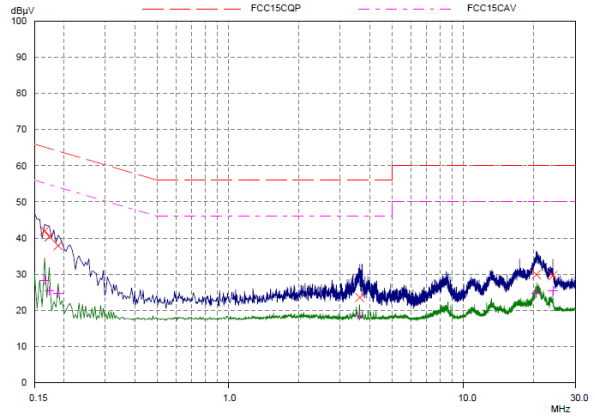


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.15781	39.32	65.58	26.26	N	gnd
0.18515	38.27	64.25	25.98	N	gnd
0.24765	30.50	61.84	31.34	N	gnd
3.59921	24.01	56.00	31.99	N	gnd
8.23203	24.37	60.00	35.63	N	gnd
20.15781	28.82	60.00	31.18	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.15781	23.07	55.58	32.51	N	gnd
0.18515	23.36	54.25	30.89	N	gnd
0.24765	19.70	51.84	32.14	N	gnd
3.59921	18.65	46.00	27.35	N	gnd
8.23203	19.92	50.00	30.08	N	gnd
20.15781	24.10	50.00	25.90	N	gnd

Zigbee, Channel No.: 18 L Line

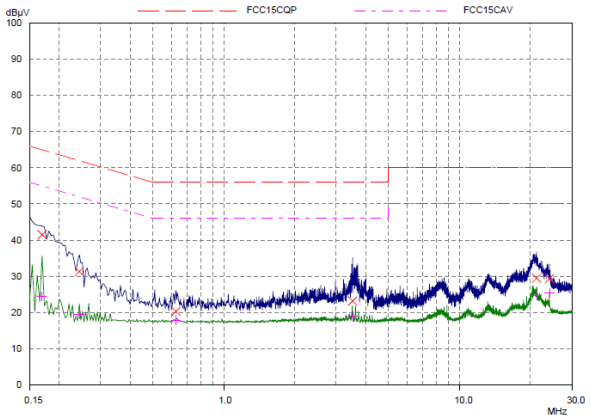


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.16562	42.01	65.18	23.17	L1	gnd
0.17343	40.40	64.79	24.39	L1	gnd
0.18906	37.89	64.08	26.19	L1	gnd
3.63046	23.55	56.00	32.45	L1	gnd
20.4664	29.91	60.00	30.09	L1	gnd
24.05625	29.58	60.00	30.42	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.16562	28.35	55.18	26.83	L1	gnd
0.17343	25.41	54.79	29.38	L1	gnd
0.18906	24.73	54.08	29.35	L1	gnd
3.63046	18.50	46.00	27.50	L1	gnd
20.4664	24.77	50.00	25.23	L1	gnd
24.05625	25.43	50.00	24.57	L1	gnd

Zigbee, Channel No.: 18 N Line

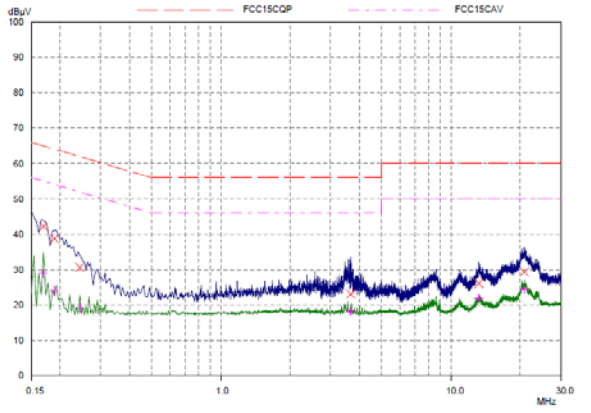


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.16953	41.50	64.98	23.48	N	gnd
0.24375	31.30	61.97	30.67	N	gnd
0.62656	20.31	56.00	35.69	N	gnd
3.51718	23.15	56.00	32.85	N	gnd
21.20468	29.47	60.00	30.53	N	gnd
24.05625	29.34	60.00	30.66	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.16953	24.51	54.98	30.47	N	gnd
0.24375	19.42	51.97	32.55	N	gnd
0.62656	17.81	46.00	28.19	N	gnd
3.51718	18.88	46.00	27.12	N	gnd
21.20468	24.67	50.00	25.33	N	gnd
24.05625	25.35	50.00	24.65	N	gnd

Zigbee, Channel No.: 25 L Line

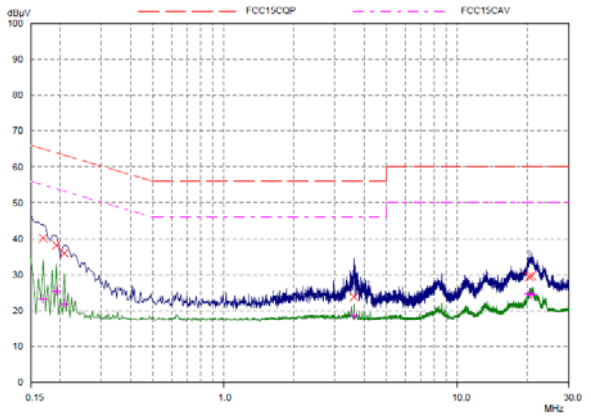


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.16953	42.12	64.98	22.86	L1	gnd
0.18906	38.75	64.08	25.33	L1	gnd
0.24375	30.66	61.97	31.31	L1	gnd
3.66562	23.07	56.00	32.93	L1	gnd
13.19296	26.09	60.00	33.91	L1	gnd
20.78671	29.29	60.00	30.71	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.16953	28.93	54.98	26.05	L1	gnd
0.18906	23.93	54.08	30.15	L1	gnd
0.24375	19.20	51.97	32.77	L1	gnd
3.66562	18.34	46.00	27.66	L1	gnd
13.19296	21.84	50.00	28.16	L1	gnd
20.78671	24.54	50.00	25.46	L1	gnd

Zigbee, Channel No.: 25 N Line



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.16953	40.14	64.98	24.84	N	gnd
0.19296	38.23	63.91	25.68	N	gnd
0.20859	35.96	63.26	27.30	N	gnd
3.62265	23.83	56.00	32.17	N	gnd
20.3375	29.43	60.00	30.57	N	gnd
20.82578	29.70	60.00	30.30	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.16953	23.24	54.98	31.74	N	gnd
0.19296	25.47	53.91	28.44	N	gnd
0.20859	21.94	53.26	31.32	N	gnd
3.62265	18.50	46.00	27.50	N	gnd
20.3375	24.75	50.00	25.25	N	gnd
20.82578	24.47	50.00	25.53	N	gnd

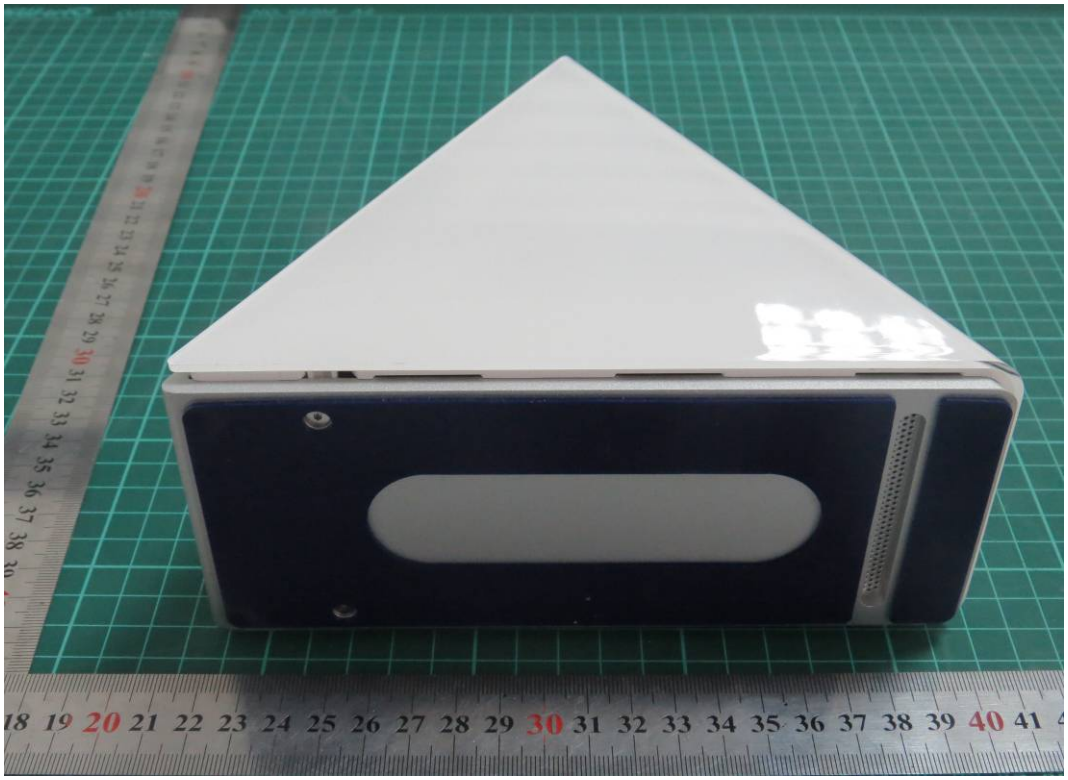
6. Main Test Instruments

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	2016-01-08	2016-04-07

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

ANNEX A: EUT Appearance and Test Setup

A.1 EUT Appearance



Front Side

Left & Right Side

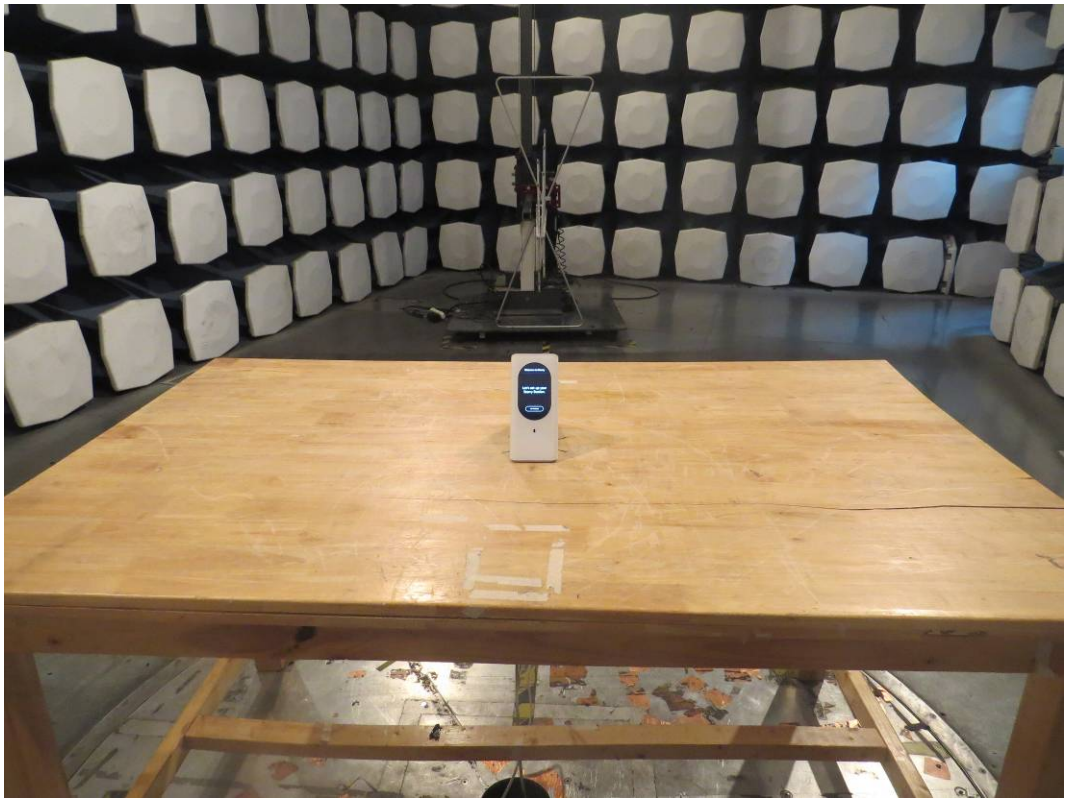
a: EUT

b: power cable

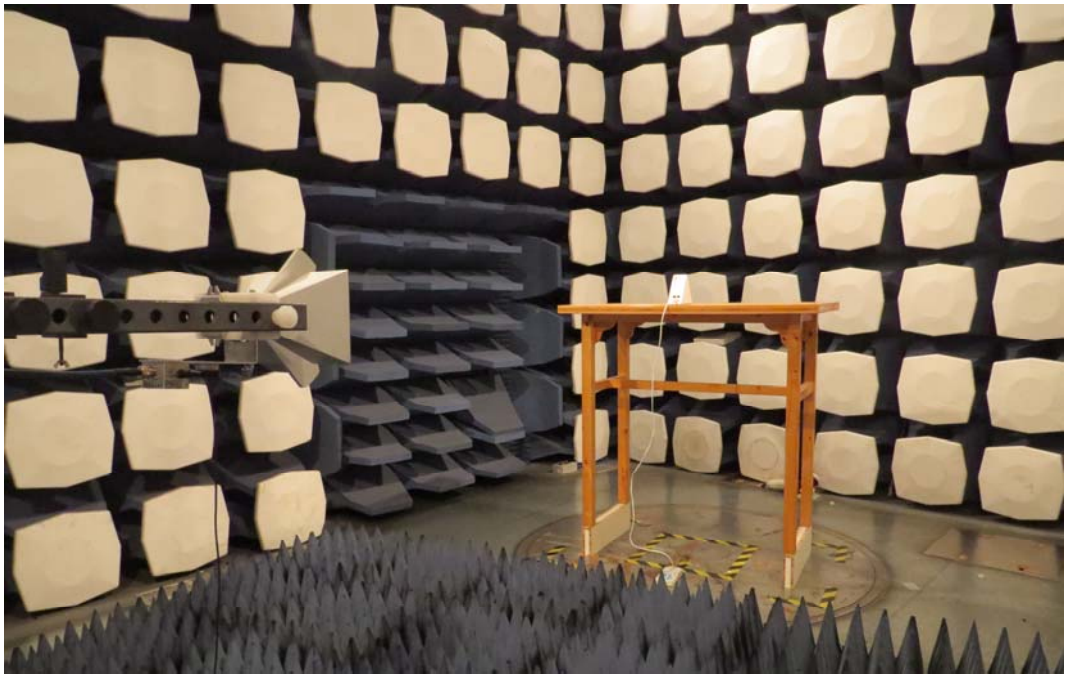
c: Lan cable

Picture 1 EUT

A.2 Test Setup

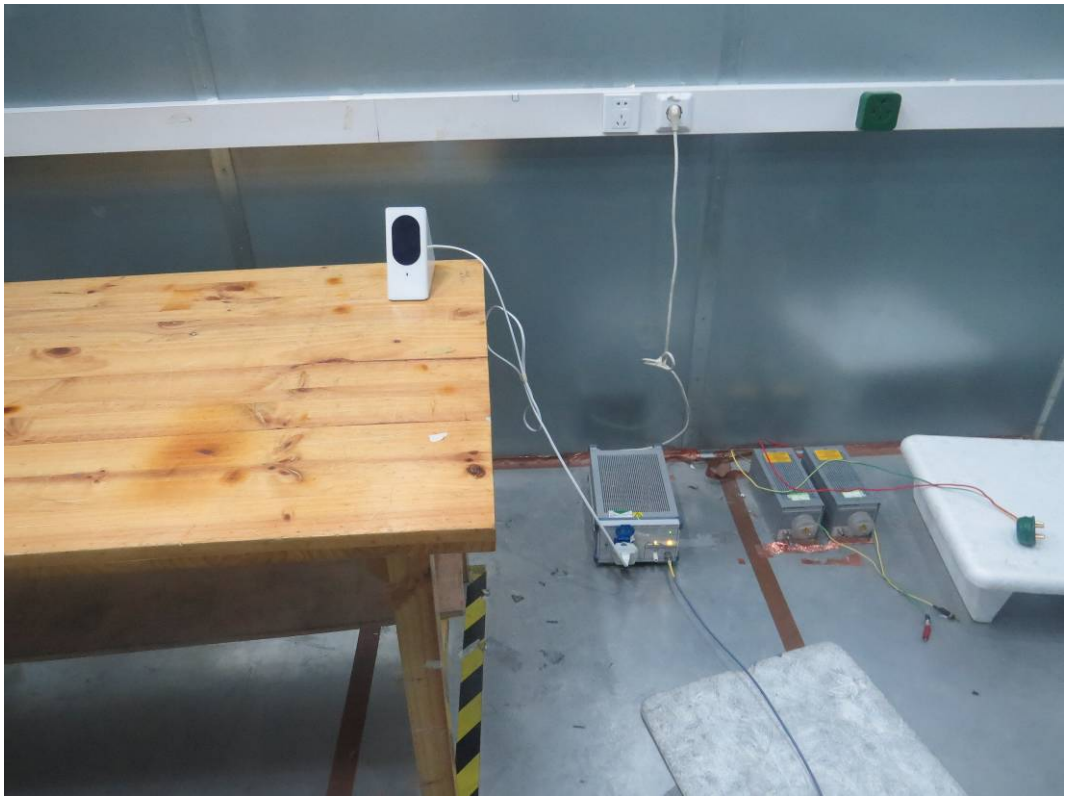


30M Hz-1GHz



Above 1GHz

Picture 2 Radiated Emission Test Setup



Picture 3 Conducted Emission Test Setup