2.9. Radiates Emission

Ambient condition

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

Method of Measurement

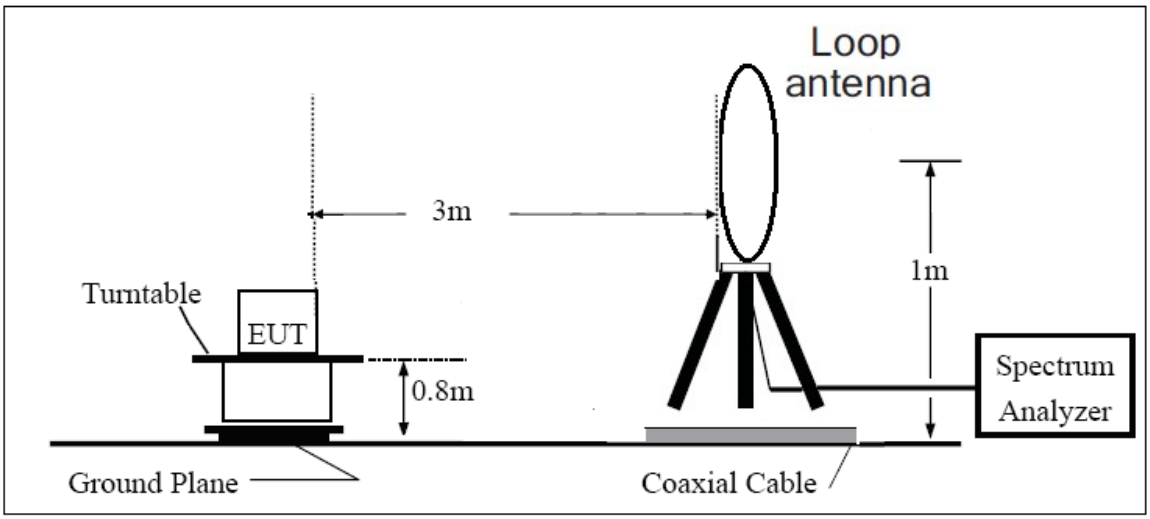
The test set-up was made in accordance to the general provisions of ANSI C63.4-2009. The Equipment Under Test (EUT) was set up on a non-conductive table in the semi-anechoic chamber. The test was performed at the distance of 3 m between the EUT and the receiving antenna. The radiated emissions measurements were made in a typical installation configuration. Sweep the whole frequency band through the range from 9kHz 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=100kHz / VBW=300kHz / Sweep=AUTO
Above 1GHz(detector: Peak):
(a) PEAK: RBW=1MHz VBW=3MHz/ Sweep=AUTO
(b) AVERAGE: RBW=1MHz / VBW=10Hz / 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.

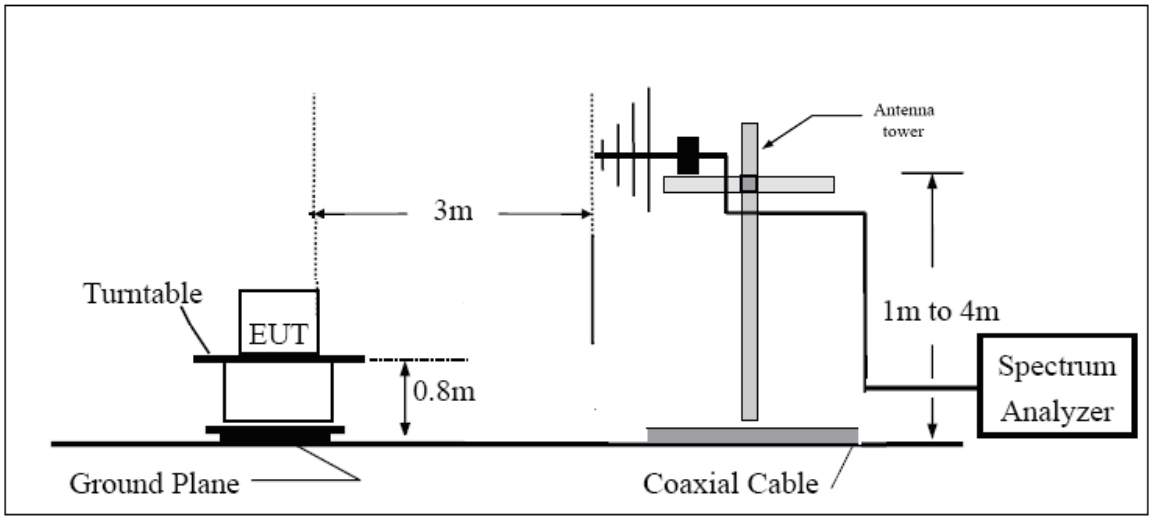
The test is in transmitting mode.

Test setup

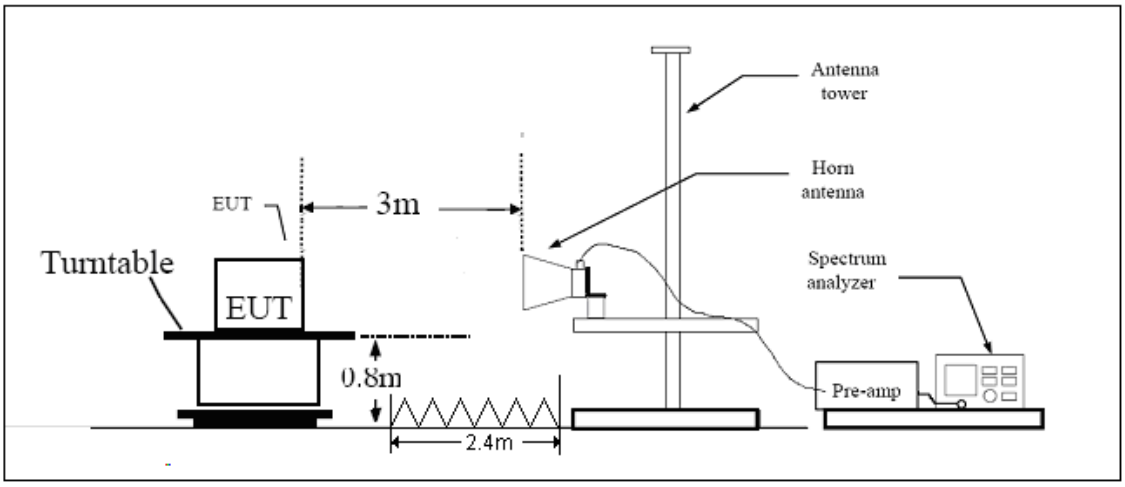
9KHz~~~30MHz



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

Measurement Uncertainty

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

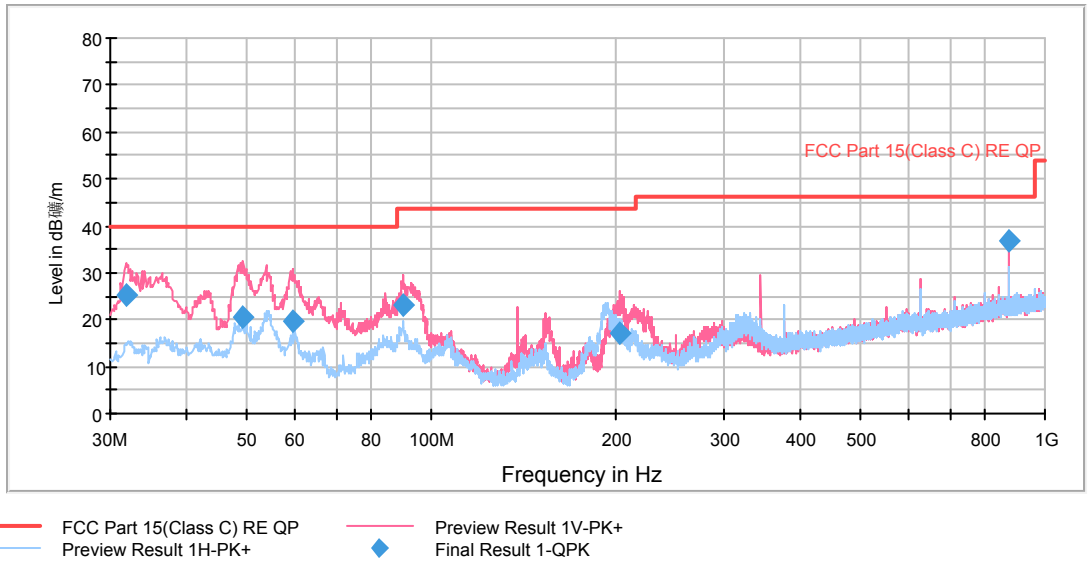
Frequency	Uncertainty
9KHz-30MHz	3.55 dB
30MHz-200MHz	4.19 dB
200MHz-1GHz	3.63 dB
Above 1GHz	3.68 dB

Test result

Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, and 9KHz-30MHz, 18GHz-26GHz, the emissions more than 20 dB below the permissible value are not reported.

802.11b CH1

RE 30M-1GHz QP



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBµV/m)in the test plot =(level in dBuv/m)

Radiates Emission from 30MHz to 1GHz

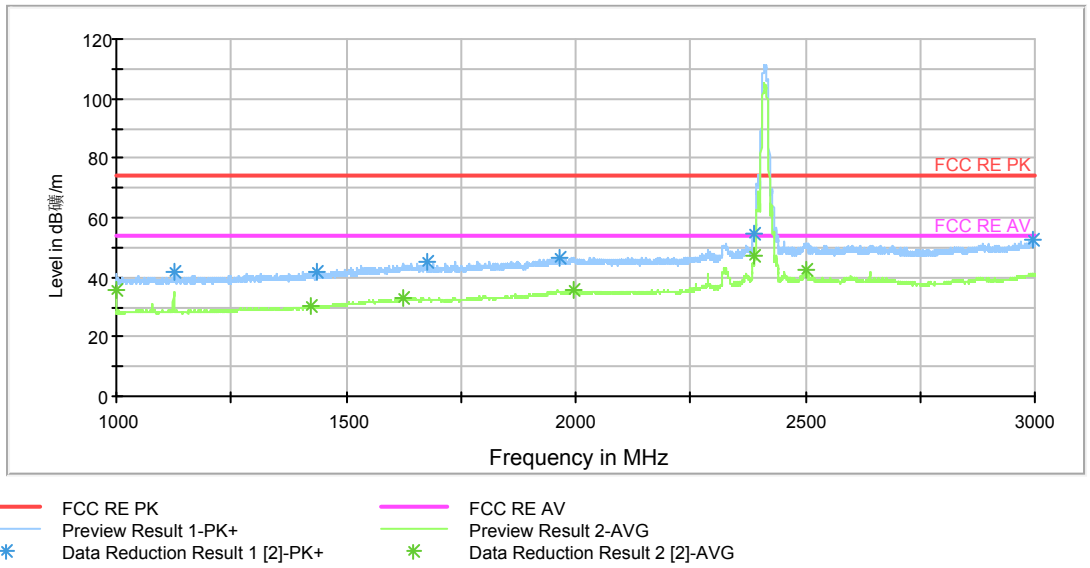
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
31.898297	25.1	125.0	V	14.0	3.1	-22.0	14.9	40.0
49.476500	20.3	127.0	V	26.0	-1.3	-21.6	19.7	40.0
59.315090	19.7	125.0	V	62.0	-3.5	-23.2	20.3	40.0
90.112756	23.2	125.0	V	18.0	-2.3	-25.5	20.3	43.5
203.437000	17.0	178.0	V	84.0	-9.5	-26.5	26.5	43.5
875.004500	36.7	158.0	V	352.0	23.5	-13.2	9.3	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: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dBµV/m)in the test plot =(level in dBuv/m)
Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz

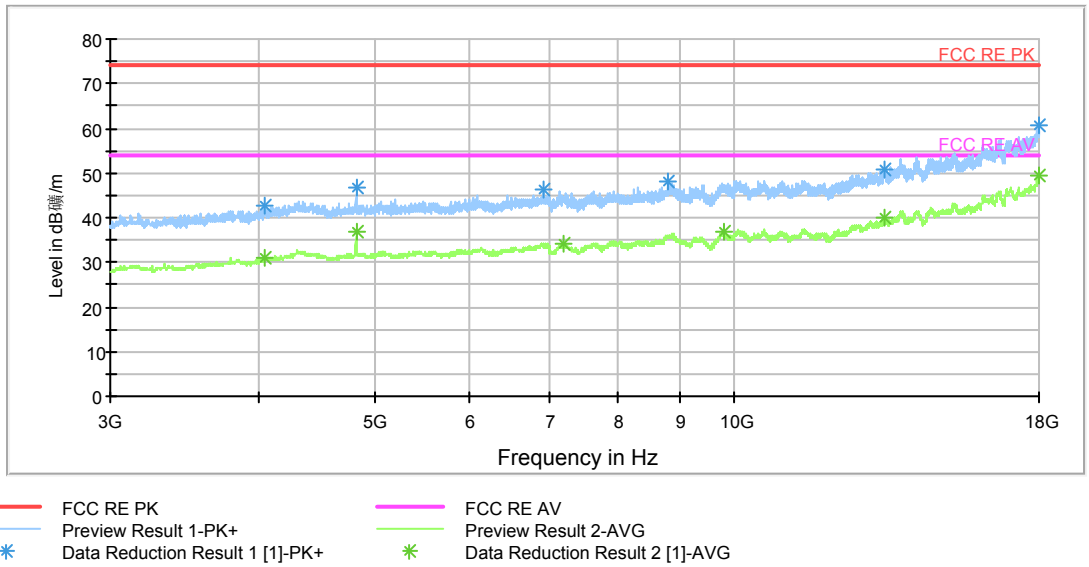
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1000.000000	41.4	151.0	V	286.0	31.3	-10.1	32.6	74
1423.750000	40.0	151.0	V	-1.0	31.9	-8.1	34.0	74
1625.000000	43.4	151.0	V	25.0	38.3	-5.1	30.6	74
1993.750000	44.5	151.0	V	218.0	41.6	-2.9	29.5	74
2387.250000	53.6	151.0	V	303.0	51.3	-2.3	20.4	74
2502.750000	51.0	151.0	V	52.0	50.1	-0.9	23.0	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)
1000.000000	35.5	151.0	V	286.0	25.4	-10.1	18.5	54
1423.750000	30.2	151.0	V	-1.0	22.1	-8.1	23.8	54
1625.000000	33.3	151.0	V	25.0	28.2	-5.1	20.7	54
1993.750000	35.6	151.0	V	218.0	32.7	-2.9	18.4	54
2387.250000	47.1	151.0	V	303.0	44.8	-2.3	6.9	54
2502.750000	42.5	151.0	V	52.0	41.6	-0.9	11.5	54

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

RE 3-18GHz PK+AV



FCC RE PK
Preview Result 1-PK+
Data Reduction Result 1 [1]-PK+
FCC RE AV
Preview Result 2-AVG
Data Reduction Result 2 [1]-AVG

Note: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dBµV/m)in the test plot =(level in dBuv/m)
Note: The signal beyond the limit isharmonic of carrier.
Radiates Emission from 3GHz to 18GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4035.000000	40.3	151.0	V	295.0	39.2	-1.1	33.7	74
4824.375000	46.8	151.0	V	17.0	44.2	-2.6	27.2	74
7201.875000	43.5	151.0	H	153.0	35.8	-7.7	30.5	74
9810.000000	45.7	151.0	H	178.0	34.4	-11.3	28.3	74
13350.000000	49.6	151.0	V	62.0	35.1	-14.5	24.4	74
17996.250000	58.8	151.0	V	287.0	34.2	-24.6	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)
4035.000000	31.0	151.0	V	295.0	29.9	-1.1	23.0	54
4824.375000	37.0	151.0	V	17.0	34.4	-2.6	17.0	54
7201.875000	34.2	151.0	H	153.0	26.5	-7.7	19.8	54
9810.000000	36.8	151.0	H	178.0	25.5	-11.3	17.2	54
13350.000000	40.0	151.0	V	62.0	25.5	-14.5	14.0	54
17996.250000	49.3	151.0	V	287.0	24.7	-24.6	4.7	54

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

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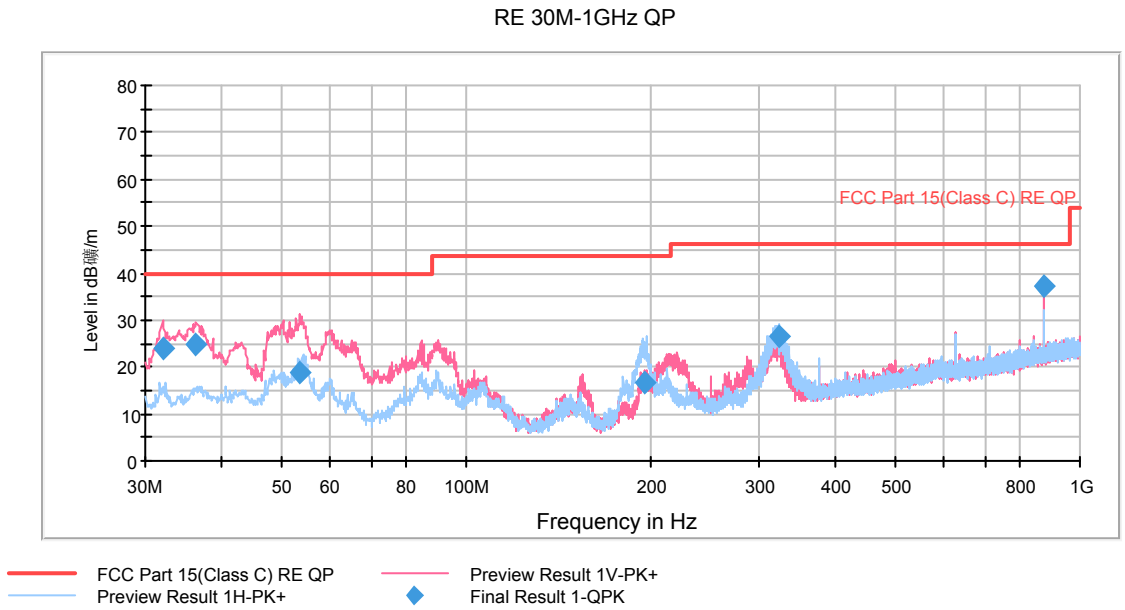
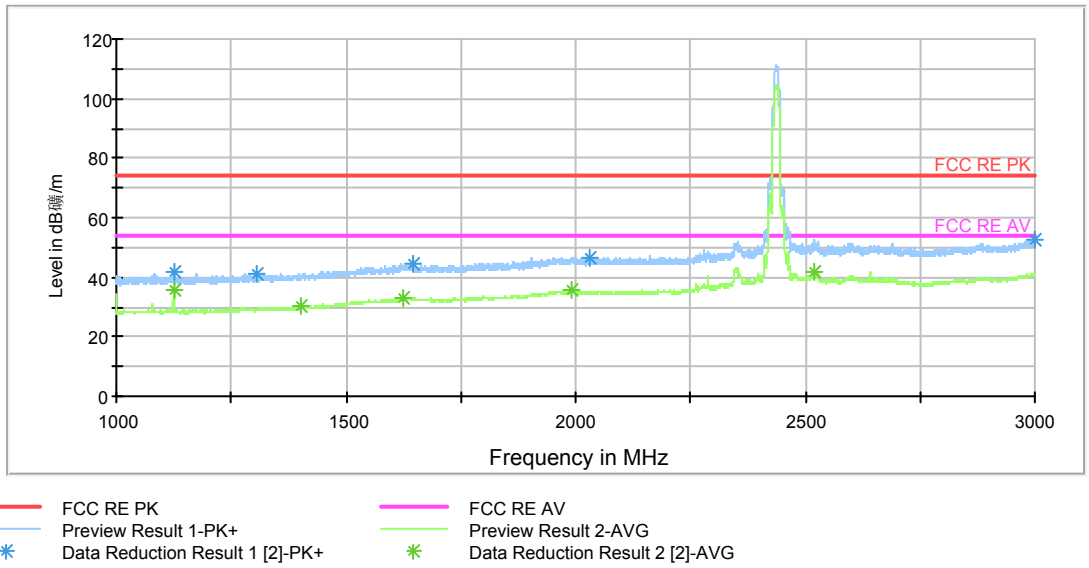


Note: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dBµV/m)in the test plot =(level in dBuv/m)
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
32.141097	23.8	125.0	V	325.0	1.8	-22.0	16.2	40.0
36.294238	24.9	125.0	V	86.0	3.1	-21.8	15.1	40.0
53.388694	18.6	125.0	V	22.0	-3.6	-22.2	21.4	40.0
195.743166	16.8	125.0	H	105.0	-10.0	-26.8	26.7	43.5
323.299250	26.5	151.0	H	64.0	3.7	-22.8	19.5	46.0
875.004500	37.2	152.0	V	351.0	24.0	-13.2	8.8	46.0

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

RE 1G-3GHz PK+AV



Note: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dBµV/m)in the test plot =(level in dBuv/m)
Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz

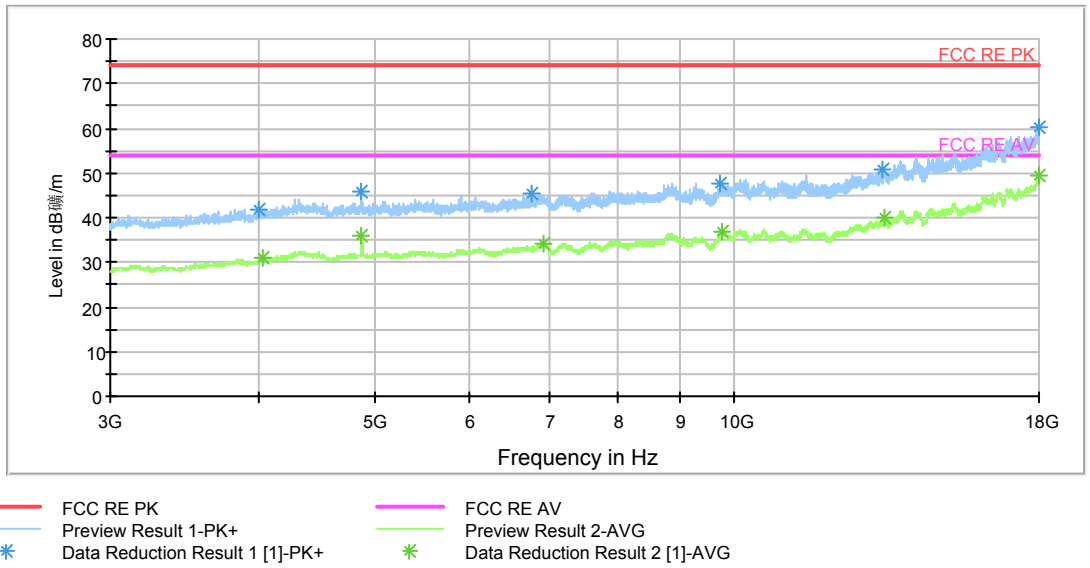
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1124.750000	41.5	149.0	V	356.0	31.8	-9.7	32.5	74
1403.500000	39.3	149.0	V	107.0	30.9	-8.4	34.7	74
1624.750000	43.5	149.0	V	0.0	38.4	-5.1	30.5	74
1992.250000	44.6	149.0	V	193.0	41.6	-3.0	29.4	74
2520.500000	52.5	149.0	V	309.0	51.6	-0.9	21.5	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)
1124.750000	35.6	149.0	V	356.0	25.9	-9.7	18.4	54
1403.500000	30.2	149.0	V	107.0	21.8	-8.4	23.8	54
1624.750000	33.3	149.0	V	0.0	28.2	-5.1	20.7	54
1992.250000	35.7	149.0	V	193.0	32.7	-3.0	18.3	54
2520.500000	42.1	149.0	V	309.0	41.2	-0.9	11.9	54

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

RE 3-18GHz PK+AV



FCC RE PK
Preview Result 1-PK+
Data Reduction Result 1 [1]-PK+
FCC RE AV
Preview Result 2-AVG
Data Reduction Result 2 [1]-AVG

Note: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dBµV/m)in the test plot =(level in dBuv/m)
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)
4031.250000	40.0	151.0	V	254.0	38.9	-1.1	34.0	74
4873.125000	45.7	151.0	V	64.0	42.8	-2.9	28.3	74
6926.250000	43.3	151.0	H	0.0	37.6	-5.7	30.7	74
9781.875000	45.8	151.0	V	263.0	34.7	-11.1	28.2	74
13348.125000	49.3	151.0	H	6.0	34.8	-14.5	24.7	74
17985.000000	59.5	151.0	V	236.0	35.0	-24.5	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)
4031.250000	31.2	151.0	V	254.0	30.1	-1.1	22.8	54
4873.125000	36.2	151.0	V	64.0	33.3	-2.9	17.8	54
6926.250000	34.2	151.0	H	0.0	28.5	-5.7	19.8	54
9781.875000	36.9	151.0	V	263.0	25.8	-11.1	17.1	54
13348.125000	40.1	151.0	H	6.0	25.6	-14.5	13.9	54
17985.000000	49.4	151.0	V	236.0	24.9	-24.5	4.6	54

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

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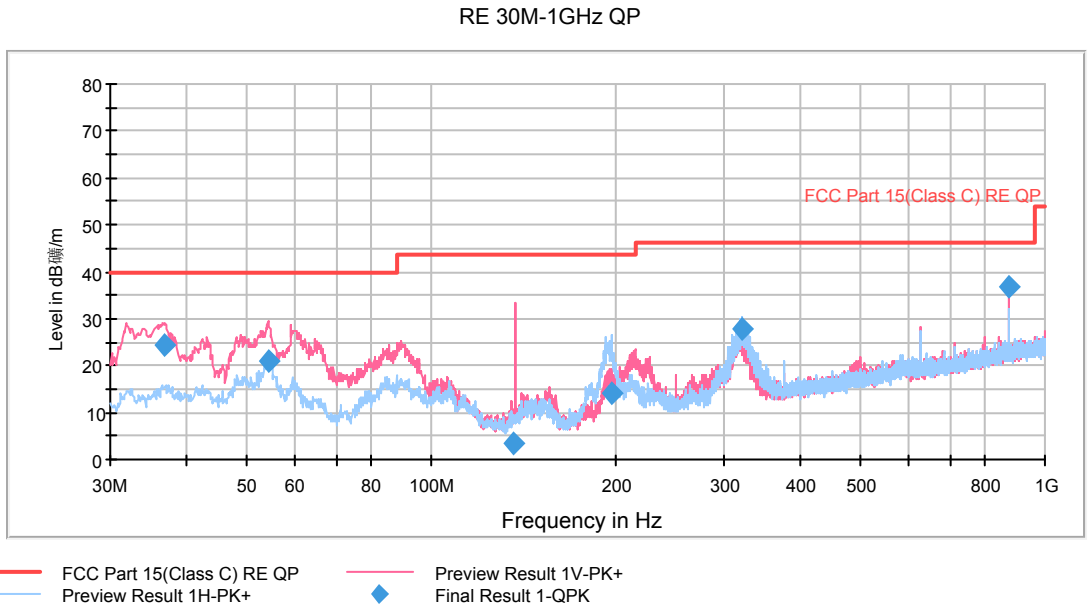
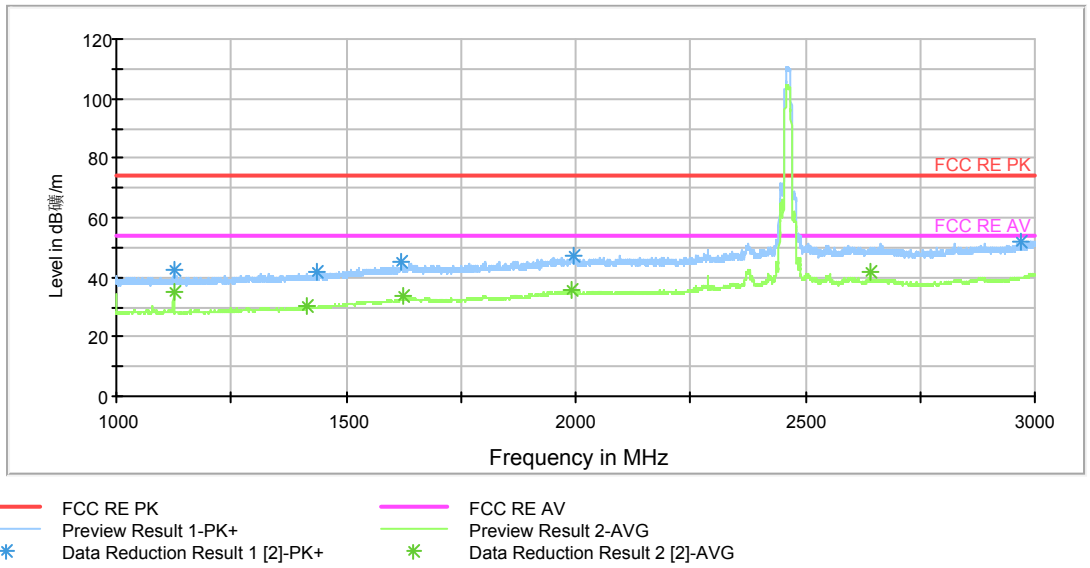


Note: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dB碟/m)in the test plot =(level in dBuv/m)
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
36.698025	24.3	125.0	V	118.0	2.6	-21.7	15.7	40.0
54.274375	21.2	125.0	V	221.0	-1.2	-22.4	18.8	40.0
136.600144	3.3	178.0	V	347.0	-25.9	-29.2	40.2	43.5
196.468847	13.9	125.0	H	101.0	-12.9	-26.8	29.6	43.5
320.880250	27.6	171.0	H	74.0	4.8	-22.8	18.4	46.0
875.004500	36.8	159.0	V	350.0	23.6	-13.2	9.2	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: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dBµV/m)in the test plot =(level in dBuv/m)
Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz

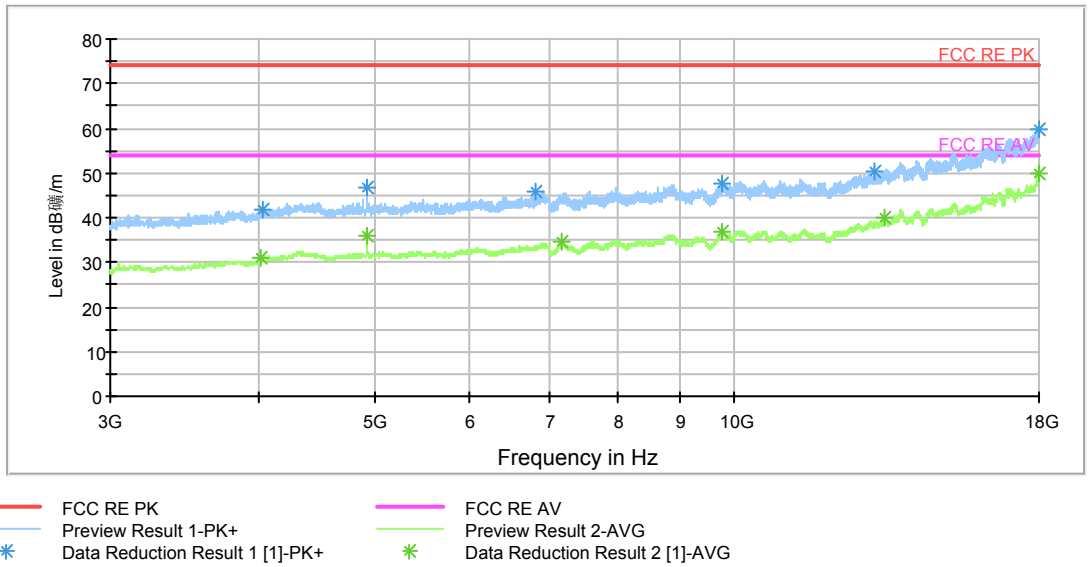
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1125.000000	40.9	149.0	V	0.0	31.3	-9.6	33.1	74
1416.250000	39.9	149.0	V	0.0	31.7	-8.2	34.1	74
1625.000000	43.5	149.0	V	52.0	38.4	-5.1	30.5	74
1991.250000	44.7	149.0	H	340.0	41.7	-3.0	29.3	74
2640.000000	49.8	149.0	V	89.0	49.5	-0.3	24.2	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)
1125.000000	35.2	149.0	V	0.0	25.6	-9.6	18.8	54
1416.250000	30.1	149.0	V	0.0	21.9	-8.2	23.9	54
1625.000000	33.7	149.0	V	52.0	28.6	-5.1	20.3	54
1991.250000	35.6	149.0	H	340.0	32.6	-3.0	18.4	54
2640.000000	41.6	149.0	V	89.0	41.3	-0.3	12.4	54

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

RE 3-18GHz PK+AV



FCC RE PK
Preview Result 1-PK+
Data Reduction Result 1 [1]-PK+
FCC RE AV
Preview Result 2-AVG
Data Reduction Result 2 [1]-AVG

Note: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dBµV/m)in the test plot =(level in dBuv/m)
Radiates Emission from 3GHz to 18GHz

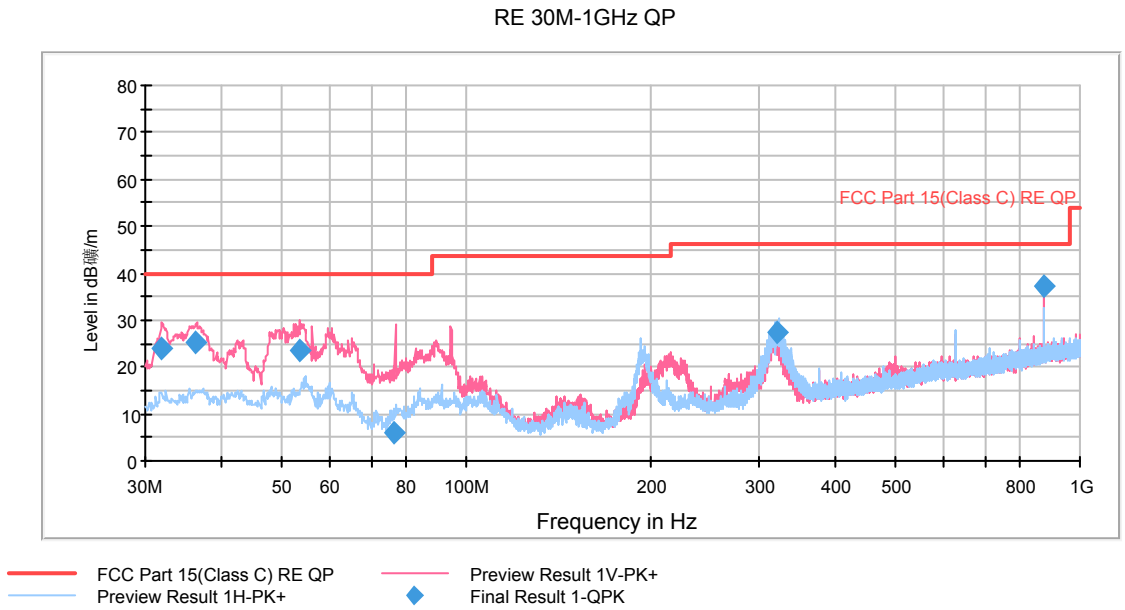
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4010.625000	40.1	151.0	H	104.0	39.1	-1.0	33.9	74
4923.750000	44.2	151.0	H	315.0	41.2	-3.0	29.8	74
7177.500000	43.8	151.0	V	173.0	36.2	-7.6	30.2	74
9780.000000	46.2	151.0	V	320.0	35.1	-11.1	27.8	74
13350.000000	49.5	151.0	V	97.0	35.0	-14.5	24.5	74
18000.000000	59.0	151.0	H	189.0	34.3	-24.7	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)
4010.625000	31.0	151.0	H	104.0	30.0	-1.0	23.0	54
4923.750000	36.0	151.0	H	315.0	33.0	-3.0	18.0	54
7177.500000	34.5	151.0	V	173.0	26.9	-7.6	19.5	54
9780.000000	36.9	151.0	V	320.0	25.8	-11.1	17.1	54
13350.000000	39.8	151.0	V	97.0	25.3	-14.5	14.2	54
18000.000000	49.7	151.0	H	189.0	25.0	-24.7	4.3	54

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

802.11g CH1

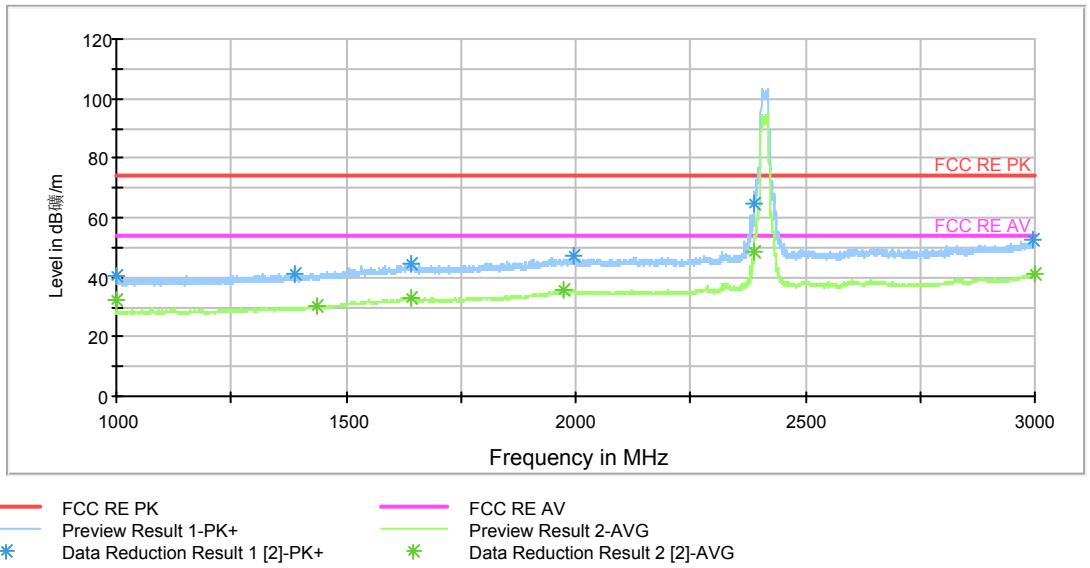


Note: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dBµV/m)in the test plot =(level in dBuv/m)
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
31.980150	24.1	125.0	V	270.0	2.1	-22.0	15.9	40.0
36.335184	25.3	125.0	V	16.0	3.5	-21.8	14.7	40.0
53.508694	23.5	125.0	V	292.0	1.3	-22.2	16.5	40.0
76.368600	6.0	178.0	V	123.0	-22.4	-28.4	34.0	40.0
321.887750	27.4	151.0	H	79.0	4.6	-22.8	18.6	46.0
875.004500	37.2	152.0	V	351.0	24.0	-13.2	8.8	46.0

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

RE 1G-3GHz PK+AV



Note: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dBµV/m)in the test plot =(level in dBuv/m)
Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz

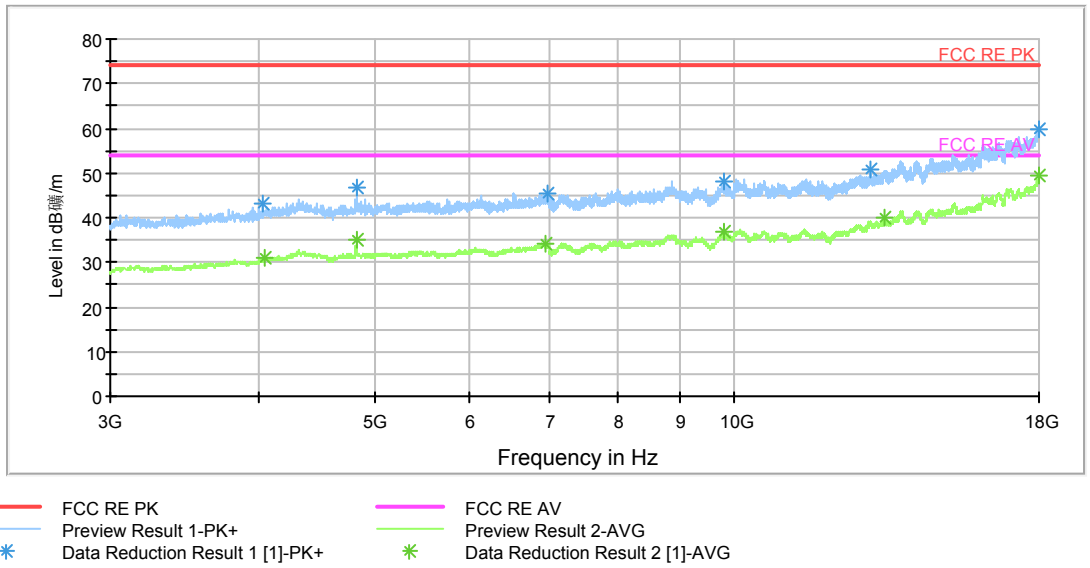
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1000.000000	39.8	149.0	H	127.0	29.7	-10.1	34.2	74
1437.000000	39.9	149.0	V	189.0	31.9	-8.0	34.1	74
1640.250000	42.3	149.0	V	0.0	37.2	-5.1	31.7	74
1973.250000	44.3	149.0	H	0.0	40.8	-3.5	29.7	74
2387.000000	62.6	149.0	V	34.0	60.3	-2.3	11.4	74
2999.250000	51.4	149.0	H	78.0	50.0	-1.4	22.6	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)
1000.000000	32.6	149.0	H	127.0	22.5	-10.1	21.4	54
1437.000000	30.1	149.0	V	189.0	22.1	-8.0	23.9	54
1640.250000	33.2	149.0	V	0.0	28.1	-5.1	20.8	54
1973.250000	35.7	149.0	H	0.0	32.2	-3.5	18.3	54
2387.000000	48.2	149.0	V	34.0	45.9	-2.3	5.8	54
2999.250000	41.3	149.0	H	78.0	39.9	-1.4	12.7	54

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

RE 3-18GHz PK+AV



Note: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dBµV/m)in the test plot =(level in dBuv/m)
Radiates Emission from 3GHz to 18GHz

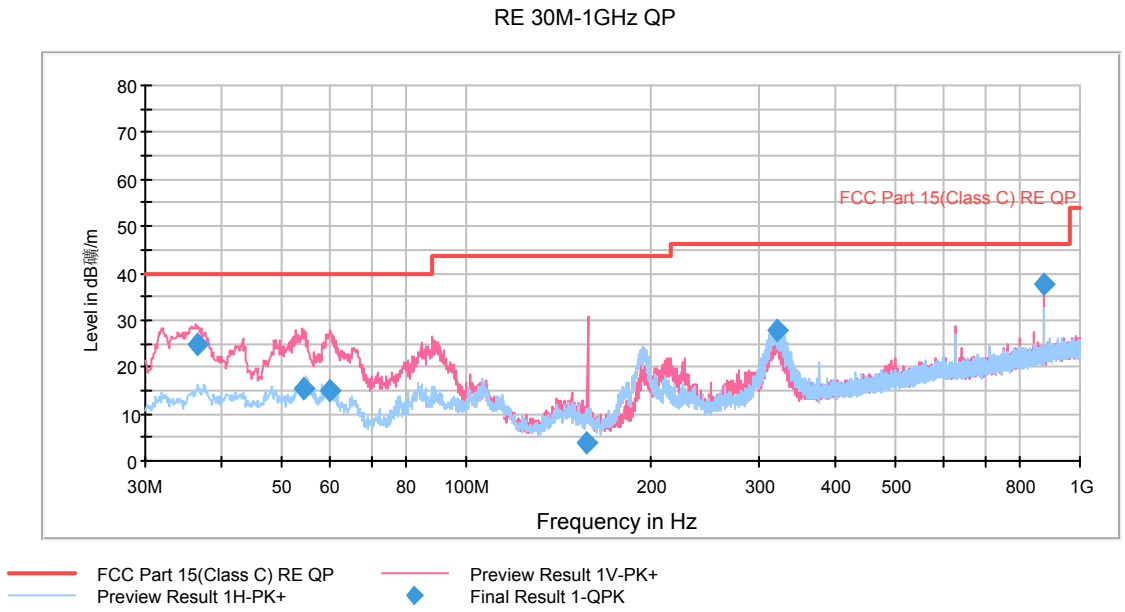
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4040.625000	40.5	151.0	V	0.0	39.4	-1.1	33.5	74
4822.500000	44.3	151.0	V	18.0	41.7	-2.6	29.7	74
6939.375000	43.5	151.0	V	116.0	37.9	-5.6	30.5	74
9808.125000	46.1	151.0	H	53.0	34.8	-11.3	27.9	74
13346.250000	49.0	151.0	V	337.0	34.5	-14.5	25.0	74
17996.250000	59.3	151.0	V	269.0	34.7	-24.6	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)
4040.625000	31.0	151.0	V	0.0	29.9	-1.1	23.0	54
4822.500000	34.9	151.0	V	18.0	32.3	-2.6	19.1	54
6939.375000	34.4	151.0	V	116.0	28.8	-5.6	19.6	54
9808.125000	36.9	151.0	H	53.0	25.6	-11.3	17.1	54
13346.250000	39.8	151.0	V	337.0	25.3	-14.5	14.2	54
17996.250000	49.3	151.0	V	269.0	24.7	-24.6	4.7	54

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

802.11g CH06

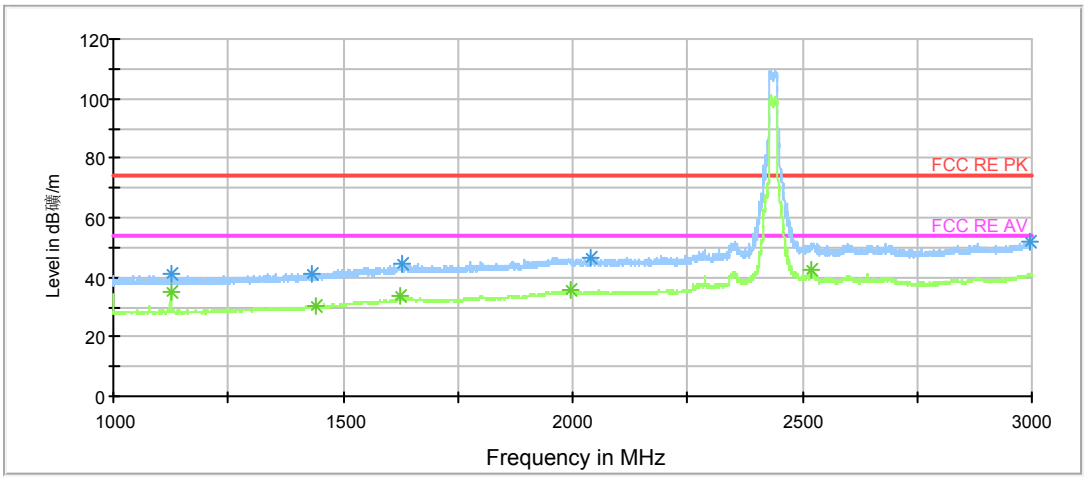


Note: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dB磆/m)in the test plot =(level in dBuv/m)
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
36.374238	24.8	125.0	V	146.0	3.0	-21.8	15.2	40.0
54.233428	15.4	125.0	V	182.0	-7.0	-22.4	24.6	40.0
59.919825	14.9	125.0	V	128.0	-8.4	-23.3	25.1	40.0
157.282060	3.9	178.0	V	0.0	-25.1	-29.0	39.6	43.5
320.392750	28.0	170.0	H	71.0	5.1	-22.9	18.0	46.0
875.004500	37.5	157.0	V	347.0	24.3	-13.2	8.5	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-3GHz PK+AV



FCC RE PK
Preview Result 1-PK+
Data Reduction Result 1 [2]-PK+
FCC RE AV
Preview Result 2-AVG
Data Reduction Result 2 [2]-AVG

Note: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dBµV/m)in the test plot =(level in dBuv/m)
Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz

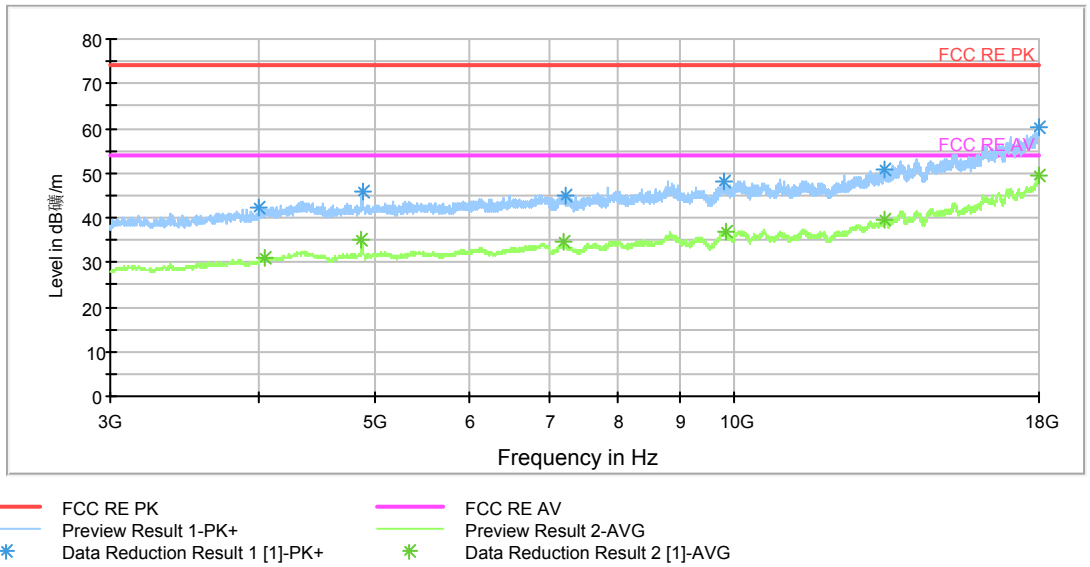
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1124.750000	41.1	149.0	V	0.0	31.4	-9.7	32.9	74
1439.500000	39.3	149.0	V	266.0	31.3	-8.0	34.7	74
1625.250000	43.0	149.0	V	0.0	37.9	-5.1	31.0	74
1996.000000	44.8	149.0	V	306.0	41.9	-2.9	29.2	74
2521.500000	51.0	149.0	V	306.0	50.1	-0.9	23.0	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)
1124.750000	35.2	149.0	V	0.0	25.5	-9.7	18.8	54
1439.500000	30.1	149.0	V	266.0	22.1	-8.0	23.9	54
1625.250000	33.5	149.0	V	0.0	28.4	-5.1	20.5	54
1996.000000	35.7	149.0	V	306.0	32.8	-2.9	18.3	54
2521.500000	42.3	149.0	V	306.0	41.4	-0.9	11.7	54

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

RE 3-18GHz PK+AV



FCC RE PK
Preview Result 1-PK+
Data Reduction Result 1 [1]-PK+
FCC RE AV
Preview Result 2-AVG
Data Reduction Result 2 [1]-AVG

Note: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dBµV/m)in the test plot =(level in dBuv/m)
Radiates Emission from 3GHz to 18GHz

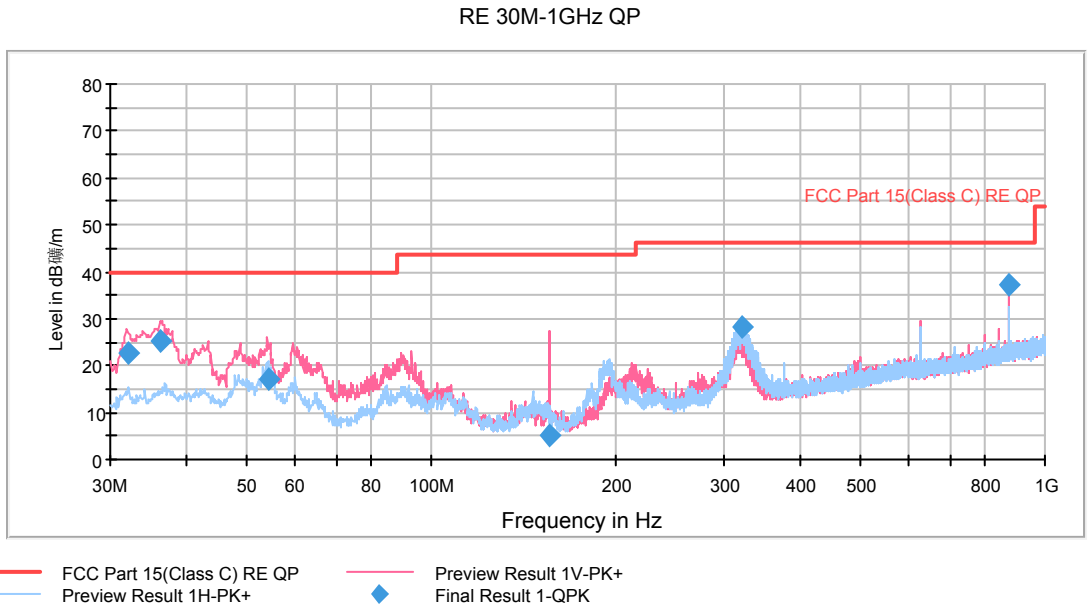
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4038.750000	41.9	151.0	H	136.0	40.8	-1.1	32.1	74
4875.000000	44.7	151.0	V	26.0	41.8	-2.9	29.3	74
7207.500000	43.0	151.0	V	0.0	35.3	-7.7	31.0	74
9823.125000	46.4	151.0	V	285.0	35.2	-11.2	27.6	74
13346.250000	50.0	151.0	V	175.0	35.5	-14.5	24.0	74
17992.500000	59.3	151.0	H	0.0	34.7	-24.6	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)
4038.750000	31.0	151.0	H	136.0	29.9	-1.1	23.0	54
4875.000000	35.0	151.0	V	26.0	32.1	-2.9	19.0	54
7207.500000	34.6	151.0	V	0.0	26.9	-7.7	19.4	54
9823.125000	37.1	151.0	V	285.0	25.9	-11.2	16.9	54
13346.250000	39.6	151.0	V	175.0	25.1	-14.5	14.4	54
17992.500000	49.3	151.0	H	0.0	24.7	-24.6	4.7	54

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

802.11g CH11

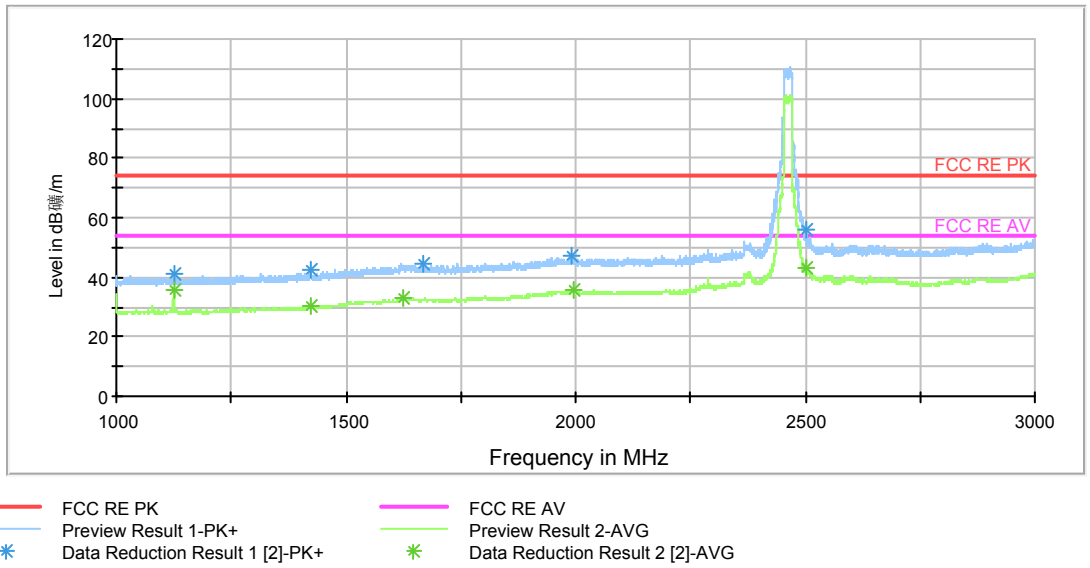


Note: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dB碟/m)in the test plot =(level in dBuv/m)
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
32.019850	22.9	125.0	V	301.0	0.9	-22.0	17.1	40.0
36.335184	25.4	125.0	V	53.0	3.6	-21.8	14.6	40.0
54.264072	17.1	125.0	V	286.0	-5.3	-22.4	22.9	40.0
155.628803	5.2	125.0	V	218.0	-23.9	-29.1	38.3	43.5
320.388000	28.1	170.0	H	77.0	5.2	-22.9	17.9	46.0
875.004500	37.0	151.0	V	352.0	23.8	-13.2	9.0	46.0

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

RE 1G-3GHz PK+AV



FCC RE PK
Preview Result 1-PK+
Data Reduction Result 1 [2]-PK+
FCC RE AV
Preview Result 2-AVG
Data Reduction Result 2 [2]-AVG

Note: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dBµV/m)in the test plot =(level in dBuv/m)
Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz

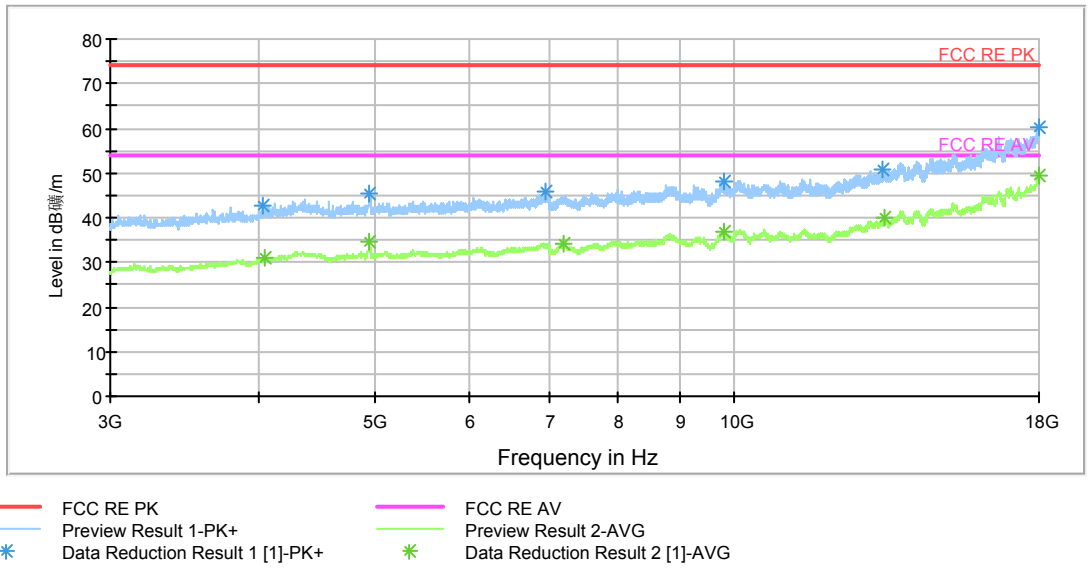
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1124.750000	41.2	149.0	V	0.0	31.5	-9.7	32.8	74
1424.500000	39.6	149.0	V	253.0	31.5	-8.1	34.4	74
1625.000000	43.4	149.0	V	0.0	38.3	-5.1	30.6	74
1996.250000	45.0	149.0	V	230.0	42.0	-3.0	29.0	74
2501.000000	56.1	149.0	V	43.0	55.2	-0.9	17.9	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)
1124.750000	35.4	149.0	V	0.0	25.7	-9.7	18.6	54
1424.500000	30.5	149.0	V	253.0	22.4	-8.1	23.5	54
1625.000000	33.4	149.0	V	0.0	28.3	-5.1	20.6	54
1996.250000	35.5	149.0	V	230.0	32.5	-3.0	18.5	54
2501.000000	43.0	149.0	V	43.0	42.1	-0.9	11.0	54

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

RE 3-18GHz PK+AV



Note: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dBµV/m)in the test plot =(level in dBuv/m)
Radiates Emission from 3GHz to 18GHz

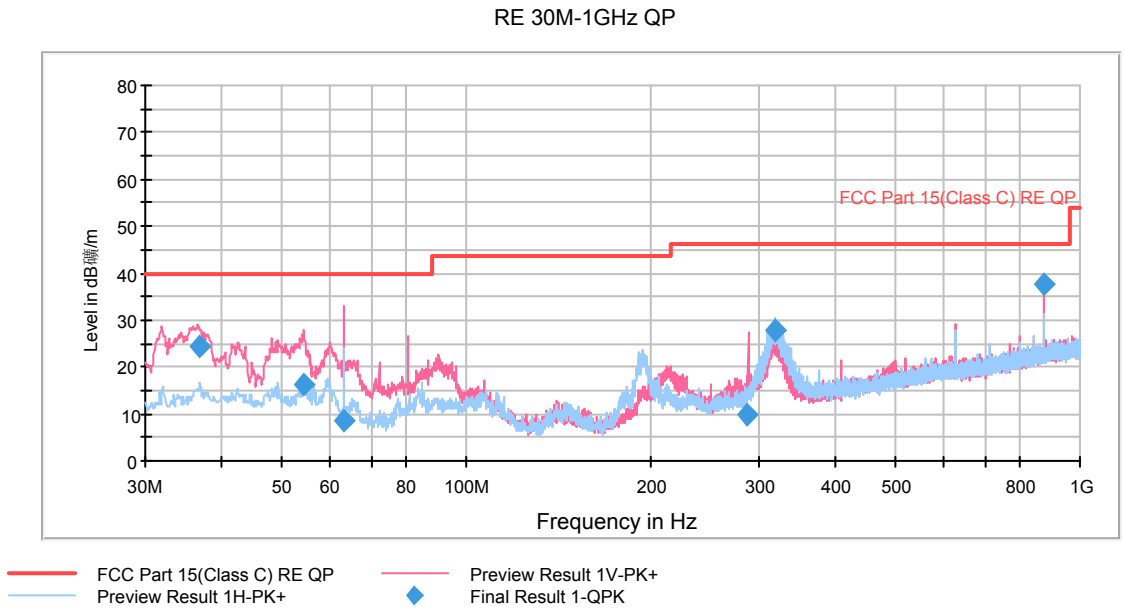
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4036.875000	40.3	151.0	H	0.0	39.2	-1.1	33.7	74
4942.500000	43.5	151.0	V	331.0	40.5	-3.0	30.5	74
7205.625000	44.3	151.0	H	107.0	36.6	-7.7	29.7	74
9815.625000	46.5	151.0	H	176.0	35.3	-11.2	27.5	74
13350.000000	49.1	151.0	V	297.0	34.6	-14.5	24.9	74
17998.125000	58.7	151.0	V	271.0	34.0	-24.7	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)
4036.875000	31.1	151.0	H	0.0	30.0	-1.1	22.9	54
4942.500000	34.6	151.0	V	331.0	31.6	-3.0	19.4	54
7205.625000	34.3	151.0	H	107.0	26.6	-7.7	19.7	54
9815.625000	36.8	151.0	H	176.0	25.6	-11.2	17.2	54
13350.000000	39.8	151.0	V	297.0	25.3	-14.5	14.2	54
17998.125000	49.5	151.0	V	271.0	24.8	-24.7	4.5	54

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

802.11n(HT20) CH1

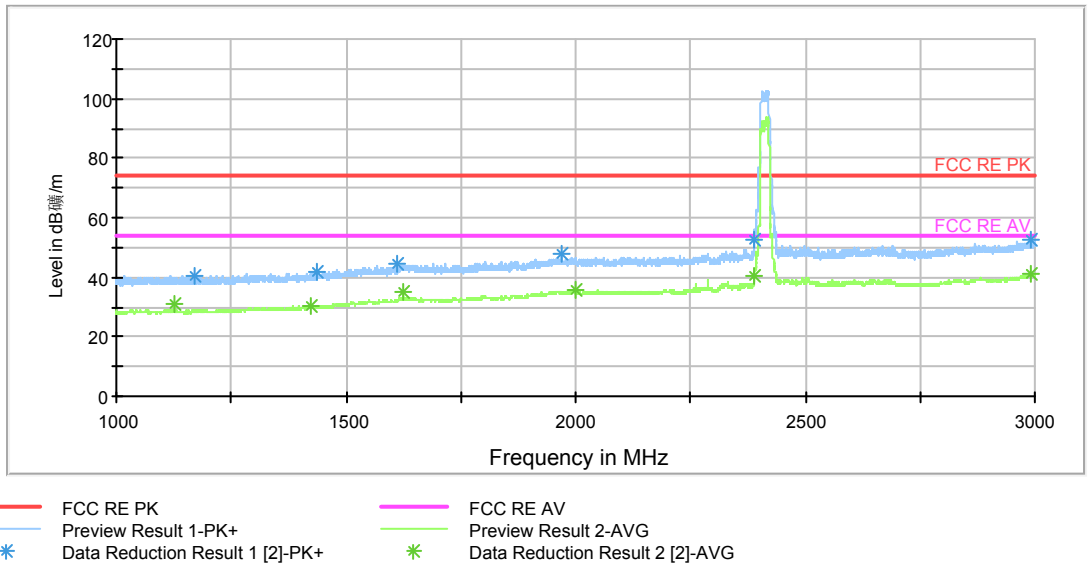


Note: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dBµV/m)in the test plot =(level in dBuv/m)
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
36.638869	24.5	129.0	V	312.0	2.8	-21.7	15.5	40.0
54.235322	16.1	127.0	V	325.0	-6.3	-22.4	23.9	40.0
63.023497	8.6	127.0	V	354.0	-16.1	-24.7	31.4	40.0
287.819250	9.7	147.0	V	347.0	-13.9	-23.6	36.3	46.0
319.421250	27.8	153.0	H	76.0	4.9	-22.9	18.2	46.0
875.004500	37.6	154.0	V	347.0	24.4	-13.2	8.4	46.0

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

RE 1G-3GHz PK+AV



Note: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dBµV/m)in the test plot =(level in dBuv/m)
Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz

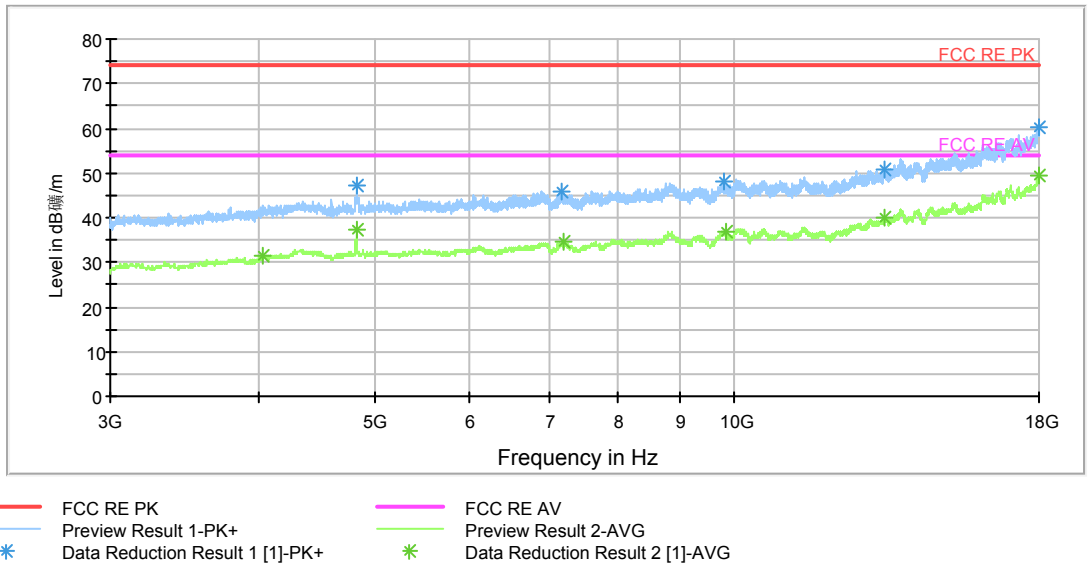
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1125.000000	38.9	151.0	V	239.0	29.3	-9.6	35.1	74
1424.000000	39.9	200.0	H	3.0	31.8	-8.1	34.1	74
1625.250000	43.5	151.0	V	294.0	38.4	-5.1	30.5	74
1998.000000	45.7	151.0	H	65.0	42.7	-3.0	28.3	74
2388.750000	52.9	151.0	V	34.0	50.7	-2.2	21.1	74
2990.500000	50.1	200.0	H	30.0	48.7	1.4	23.9	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)
1125.000000	31.0	151.0	V	239.0	21.4	-9.6	23.0	54
1424.000000	30.2	200.0	H	3.0	22.1	-8.1	23.8	54
1625.250000	34.8	151.0	V	294.0	29.7	-5.1	19.2	54
1998.000000	35.6	151.0	H	65.0	32.6	-3.0	18.4	54
2388.750000	40.7	151.0	V	34.0	38.5	-2.2	13.3	54
2990.500000	41.3	200.0	H	30.0	39.9	1.4	12.7	54

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

RE 3-18GHz PK+AV



FCC RE PK
Preview Result 1-PK+
Data Reduction Result 1 [1]-PK+
FCC RE AV
Preview Result 2-AVG
Data Reduction Result 2 [1]-AVG

Note: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dBµV/m)in the test plot =(level in dBuv/m)
Radiates Emission from 3GHz to 18GHz

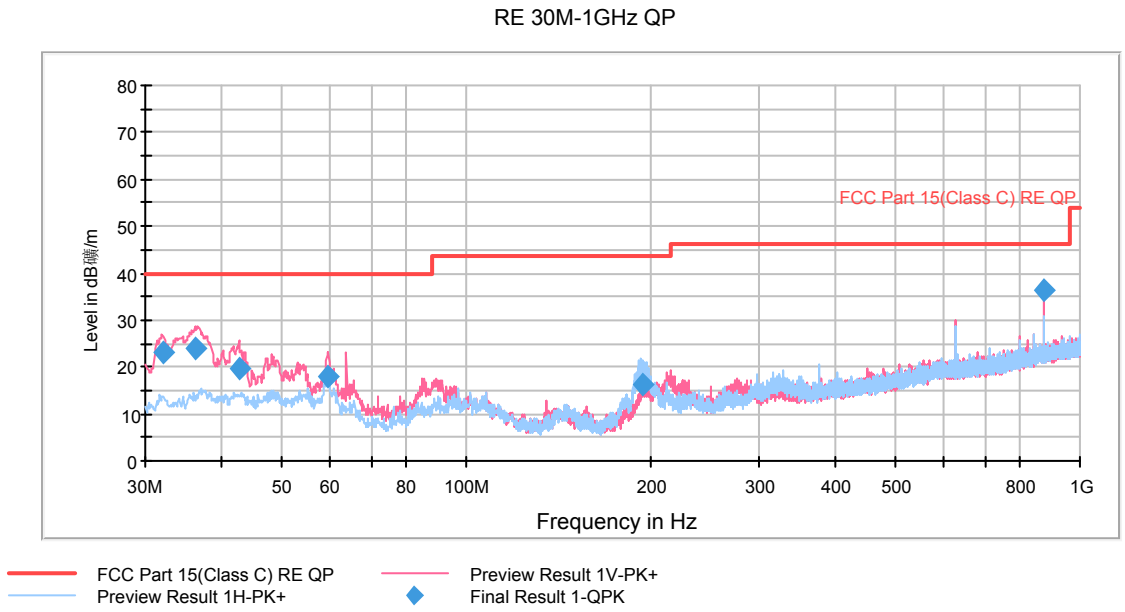
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4021.875000	40.1	151.0	H	156.0	39.1	-1.0	33.9	74
4826.250000	47.1	151.0	V	344.0	44.5	-2.6	26.9	74
7203.750000	43.3	151.0	V	0.0	35.6	-7.7	30.7	74
9823.125000	46.3	151.0	H	20.0	35.1	-11.2	27.7	74
13350.000000	50.3	151.0	H	280.0	35.8	-14.5	23.7	74
17985.000000	58.6	151.0	H	280.0	34.1	-24.5	15.4	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4021.875000	31.5	151.0	H	156.0	30.5	-1.0	22.5	54
4826.250000	37.2	151.0	V	344.0	34.6	-2.6	16.8	54
7203.750000	34.6	151.0	V	0.0	26.9	-7.7	19.4	54
9823.125000	36.9	151.0	H	20.0	25.7	-11.2	17.1	54
13350.000000	39.9	151.0	H	280.0	25.4	-14.5	14.1	54
17985.000000	49.3	151.0	H	280.0	24.8	-24.5	4.7	54

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

802.11n(HT20) CH6

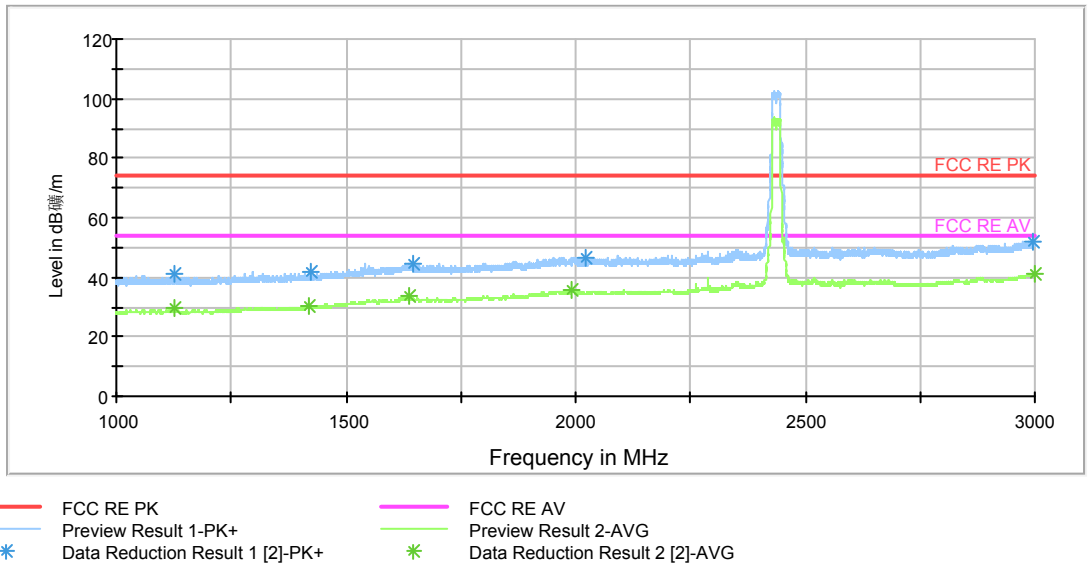


Note: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dBµV/m)in the test plot =(level in dBuv/m)
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
32.019850	23.0	127.0	V	0.0	1.0	-22.0	17.0	40.0
36.274210	24.1	127.0	V	34.0	2.3	-21.8	15.9	40.0
42.623475	19.7	127.0	V	116.0	-1.3	-21.0	20.3	40.0
59.595090	17.9	126.0	V	153.0	-5.3	-23.2	22.1	40.0
193.563953	16.2	147.0	H	96.0	-10.7	-26.9	27.4	43.5
875.004500	36.2	159.0	V	353.0	23.0	-13.2	9.8	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



FCC RE PK
Preview Result 1-PK+
Data Reduction Result 1 [2]-PK+
FCC RE AV
Preview Result 2-AVG
Data Reduction Result 2 [2]-AVG

Note: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dBµV/m)in the test plot =(level in dBuv/m)
Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz

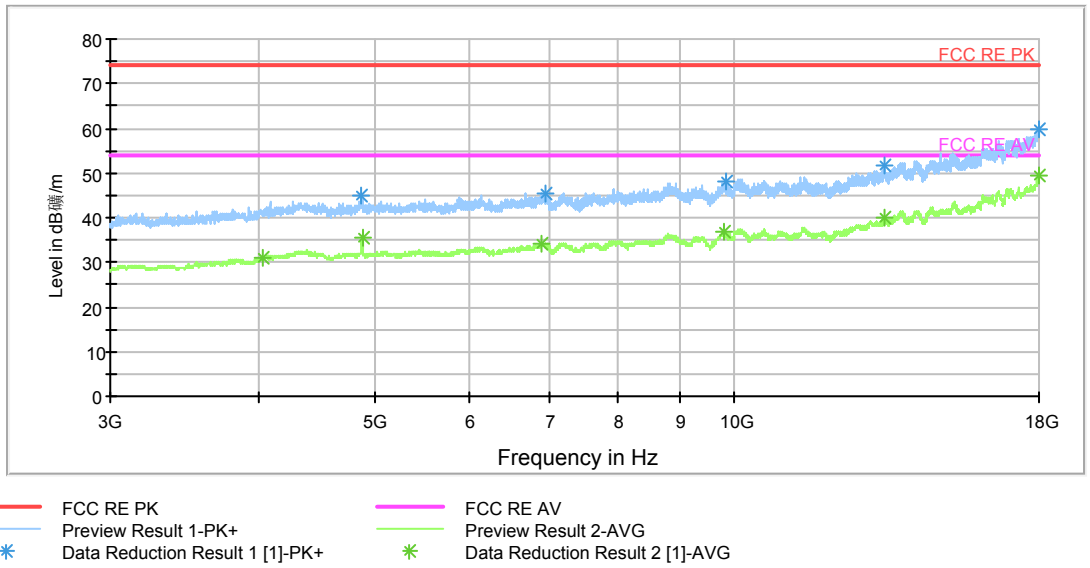
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1125.000000	38.9	150.0	V	0.0	29.3	-9.6	35.1	74
1419.750000	40.1	150.0	V	324.0	32.0	-8.1	33.9	74
1638.750000	42.3	150.0	V	56.0	37.2	-5.1	31.7	74
1993.000000	44.5	150.0	V	295.0	41.5	-3.0	29.5	74
2998.750000	51.0	150.0	V	222.0	49.6	-1.4	23.0	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)
1125.000000	29.9	150.0	V	0.0	20.3	-9.6	24.1	54
1419.750000	30.4	150.0	V	324.0	22.3	-8.1	23.6	54
1638.750000	33.6	150.0	V	56.0	28.5	-5.1	20.4	54
1993.000000	35.5	150.0	V	295.0	32.5	-3.0	18.5	54
2998.750000	41.1	150.0	V	222.0	39.7	-1.4	12.9	54

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

RE 3-18GHz PK+AV



FCC RE PK
Preview Result 1-PK+
Data Reduction Result 1 [1]-PK+
FCC RE AV
Preview Result 2-AVG
Data Reduction Result 2 [1]-AVG

Note: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dBµV/m)in the test plot =(level in dBuv/m)
Radiates Emission from 3GHz to 18GHz

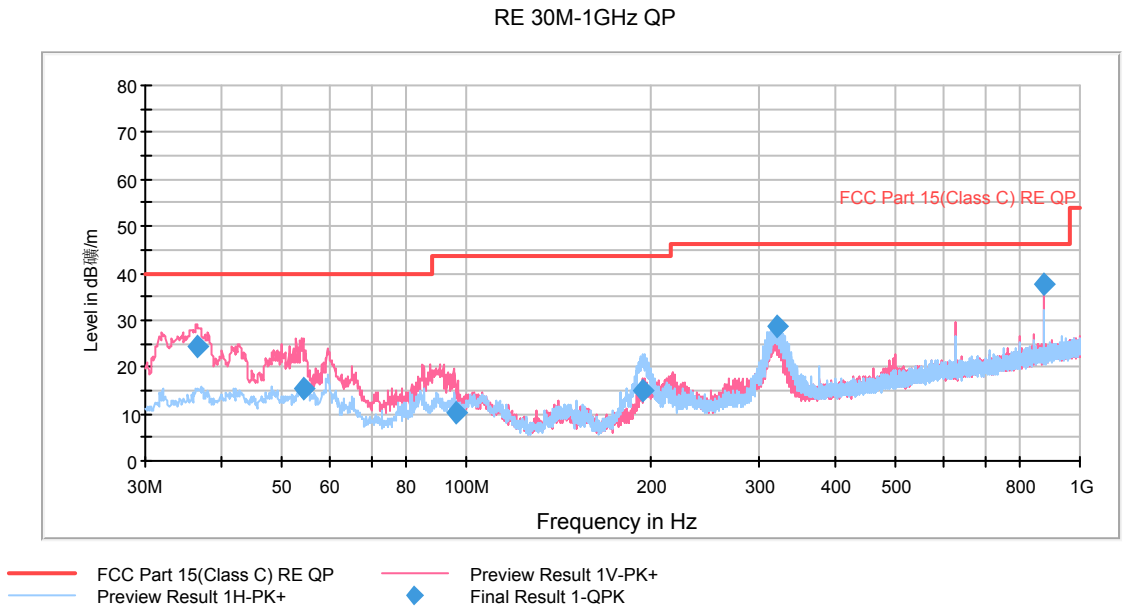
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4025.625000	40.5	151.0	H	167.0	39.5	-1.0	33.5	74
4880.625000	44.6	151.0	V	27.0	41.6	-3.0	29.4	74
6894.375000	44.8	151.0	H	0.0	39.0	-5.8	29.2	74
9813.750000	46.2	151.0	V	45.0	34.9	-11.3	27.8	74
13351.875000	49.8	151.0	V	79.0	35.3	-14.5	24.2	74
17988.750000	59.0	151.0	H	54.0	34.5	-24.5	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)
4025.625000	31.2	151.0	H	167.0	30.2	-1.0	22.8	54
4880.625000	35.4	151.0	V	27.0	32.4	-3.0	18.6	54
6894.375000	34.3	151.0	H	0.0	28.5	-5.8	19.7	54
9813.750000	36.9	151.0	V	45.0	25.6	-11.3	17.1	54
13351.875000	40.1	151.0	V	79.0	25.6	-14.5	13.9	54
17988.750000	49.5	151.0	H	54.0	25.0	-24.5	4.5	54

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

802.11n(HT20) CH11

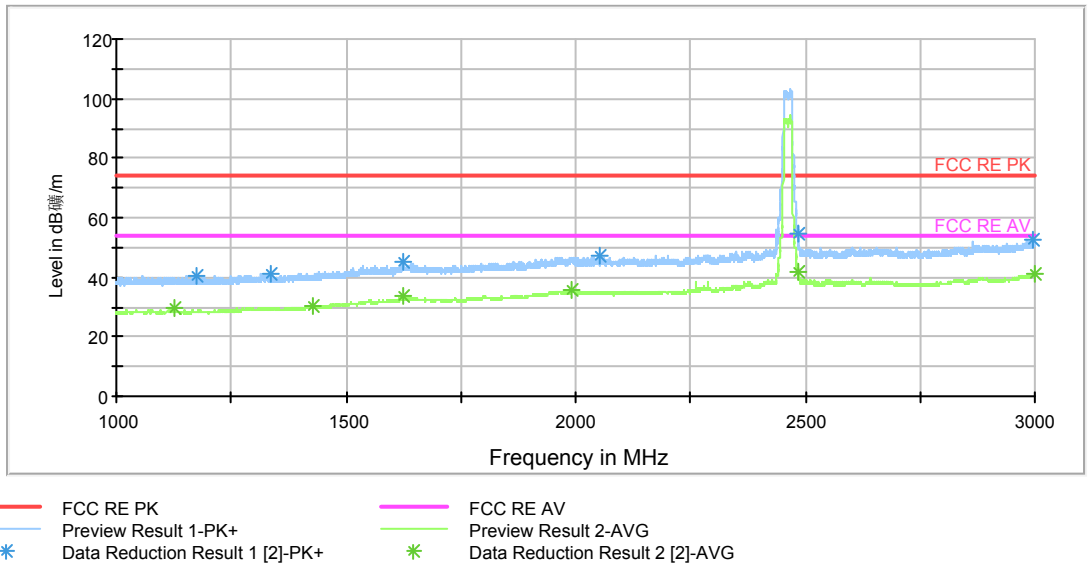


Note: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dBµV/m)in the test plot =(level in dBuv/m)
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
36.495184	24.5	125.0	V	22.0	2.8	-21.7	15.5	40.0
54.274375	15.4	125.0	V	355.0	-7.0	-22.4	24.6	40.0
96.445781	10.2	125.0	V	338.0	-14.7	-24.9	33.3	43.5
194.533697	14.8	145.0	H	128.0	-12.1	-26.9	28.7	43.5
319.946000	28.6	171.0	H	78.0	5.7	-22.9	17.4	46.0
875.004500	37.6	152.0	V	347.0	24.4	-13.2	8.4	46.0

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

RE 1G-3GHz PK+AV



Note: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dBµV/m)in the test plot =(level in dBuv/m)
Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz

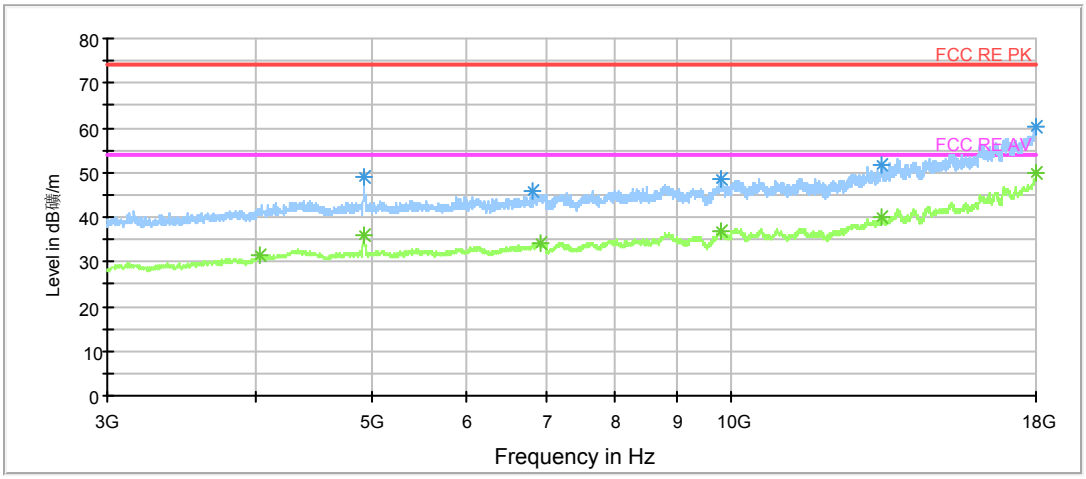
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1125.000000	38.6	150.0	V	0.0	29.0	-9.6	35.4	74
1427.250000	38.7	150.0	V	244.0	30.6	-8.1	35.3	74
1625.250000	42.6	150.0	V	339.0	37.5	-5.1	31.4	74
1993.000000	45.3	150.0	V	141.0	42.3	-3.0	28.7	74
2484.500000	52.0	150.0	V	40.0	51.2	-0.8	22.0	74
2998.250000	51.5	150.0	V	0.0	50.1	1.4	22.5	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1125.000000	29.9	150.0	V	0.0	20.3	-9.6	24.1	54
1427.250000	30.2	150.0	V	244.0	22.1	-8.1	23.8	54
1625.250000	33.6	150.0	V	339.0	28.5	-5.1	20.4	54
1993.000000	35.5	150.0	V	141.0	32.5	-3.0	18.5	54
2484.500000	42.1	150.0	V	40.0	41.3	-0.8	11.9	54
2998.250000	41.1	150.0	V	0.0	39.7	1.4	12.9	54

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

RE 3-18GHz PK+AV



FCC RE PK
Preview Result 1-PK+
Data Reduction Result 1 [1]-PK+
FCC RE AV
Preview Result 2-AVG
Data Reduction Result 2 [1]-AVG

Note: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dBµV/m)in the test plot =(level in dBuv/m)
Radiates Emission from 3GHz to 18GHz

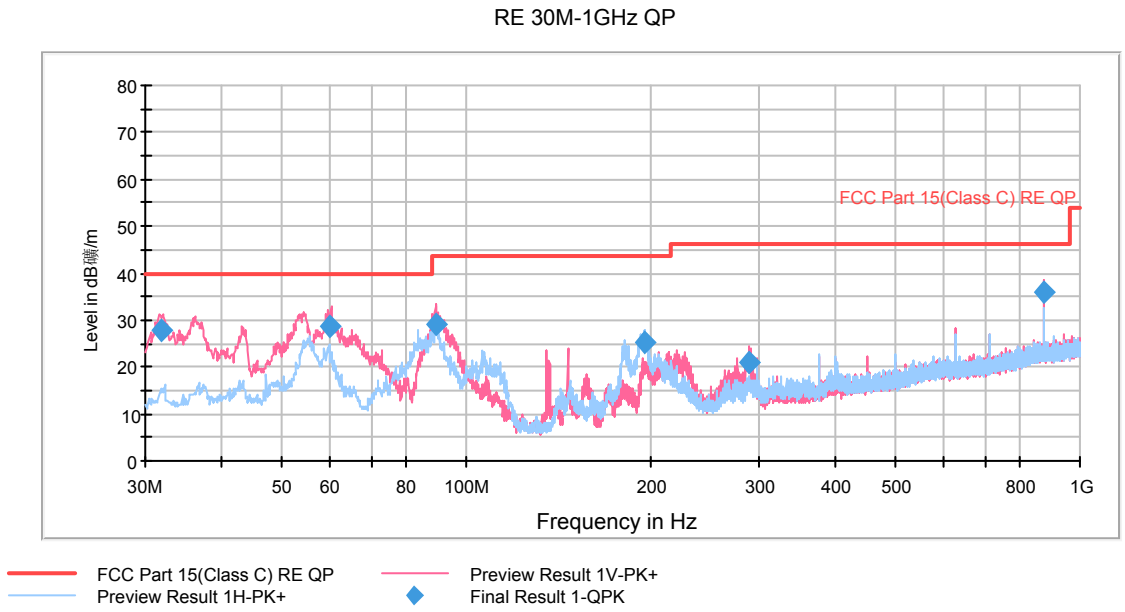
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4031.250000	40.5	151.0	V	0.0	39.4	-1.1	33.5	74
4923.750000	48.9	151.0	V	356.0	45.9	-3.0	25.1	74
6915.000000	43.4	151.0	H	0.0	37.7	-5.7	30.6	74
9804.375000	46.2	151.0	H	0.0	34.9	-11.3	27.8	74
13344.375000	48.6	151.0	V	179.0	34.1	-14.5	25.4	74
18000.000000	58.8	151.0	V	255.0	34.1	-24.7	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)
4031.250000	31.4	151.0	V	0.0	30.3	-1.1	22.6	54
4923.750000	36.0	151.0	V	356.0	33.0	-3.0	18.0	54
6915.000000	34.3	151.0	H	0.0	28.6	-5.7	19.7	54
9804.375000	36.8	151.0	H	0.0	25.5	-11.3	17.2	54
13344.375000	39.9	151.0	V	179.0	25.4	-14.5	14.1	54
18000.000000	49.7	151.0	V	255.0	25.0	-24.7	4.3	54

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

802.11n(HT40) CH3

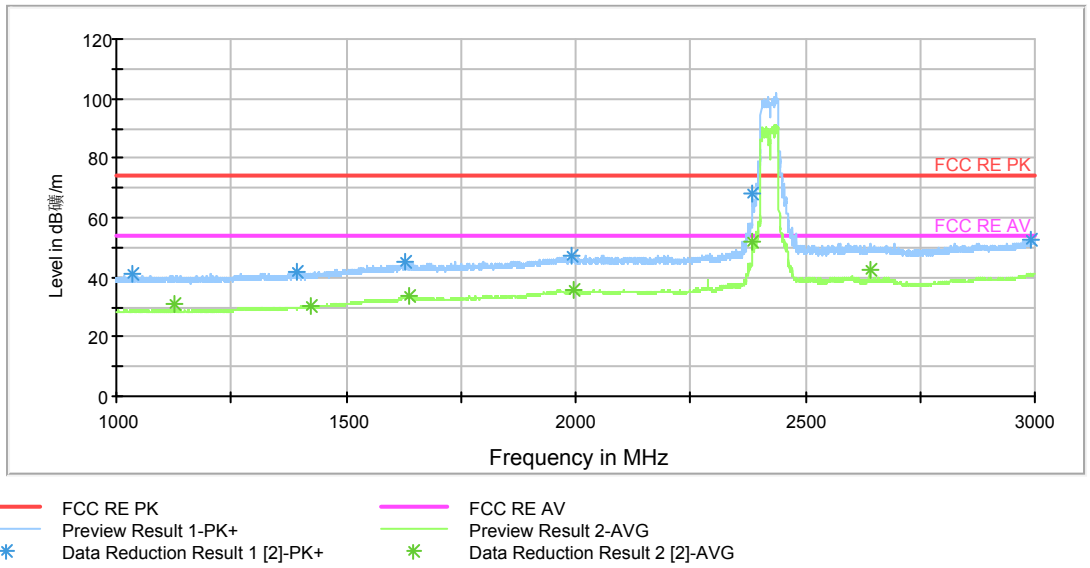


Note: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dBµV/m)in the test plot =(level in dBuv/m)
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
31.776744	27.6	127.0	V	18.0	5.7	-21.9	12.4	40.0
60.040772	28.6	127.0	V	107.0	5.3	-23.3	11.4	40.0
89.636031	29.2	127.0	V	68.0	3.6	-25.6	14.3	43.5
195.055590	25.1	127.0	H	101.0	-1.7	-26.8	18.4	43.5
287.860000	21.0	147.0	V	115.0	-2.6	-23.6	25.0	46.0
875.004500	36.1	154.0	V	354.0	22.9	-13.2	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-3GHz PK+AV



Note: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dBµV/m)in the test plot =(level in dBuv/m)
Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz

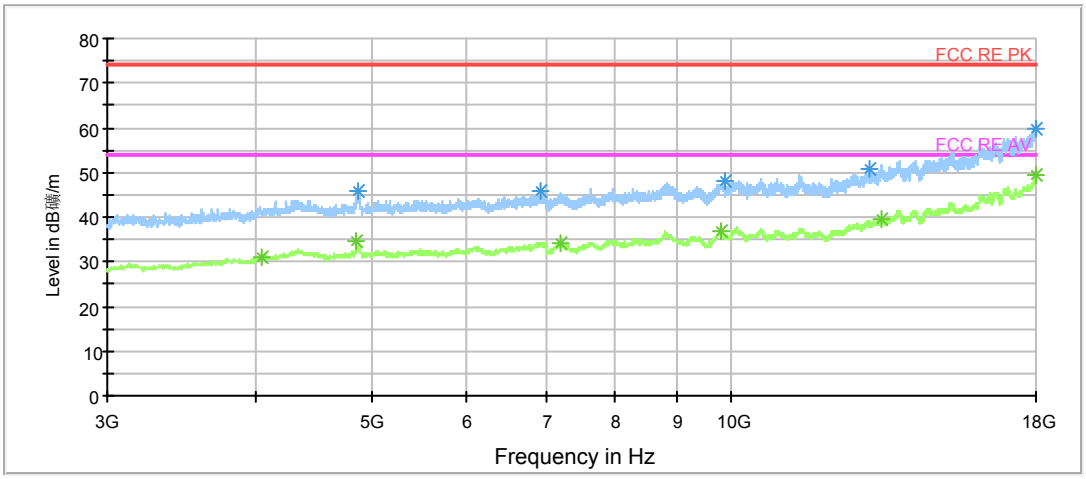
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1125.000000	39.3	201.0	V	42.0	29.7	-9.6	34.7	74
1425.500000	40.5	201.0	V	149.0	32.4	-8.1	33.5	74
1638.750000	42.1	199.0	H	47.0	37.0	-5.1	31.9	74
1994.250000	45.3	301.0	V	242.0	42.4	-2.9	28.7	74
2640.000000	49.6	100.0	V	0.0	49.3	-0.3	24.4	74
2384.500000	67.5	201.0	V	48.0	65.2	-2.3	6.5	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)
1125.000000	30.7	201.0	V	42.0	21.1	-9.6	23.3	54
1425.500000	30.4	201.0	V	149.0	22.3	-8.1	23.6	54
1638.750000	33.4	199.0	H	47.0	28.3	-5.1	20.6	54
1994.250000	35.8	301.0	V	242.0	32.9	-2.9	18.2	54
2640.000000	42.6	100.0	V	0.0	42.3	-0.3	11.4	54
2384.500000	51.8	201.0	V	48.0	49.5	-2.3	2.2	54

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

RE 3-18GHz PK+AV



FCC RE PK
Preview Result 1-PK+
Data Reduction Result 1 [1]-PK+
FCC RE AV
Preview Result 2-AVG
Data Reduction Result 2 [1]-AVG

Note: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dBµV/m)in the test plot =(level in dBuv/m)
Radiates Emission from 3GHz to 18GHz

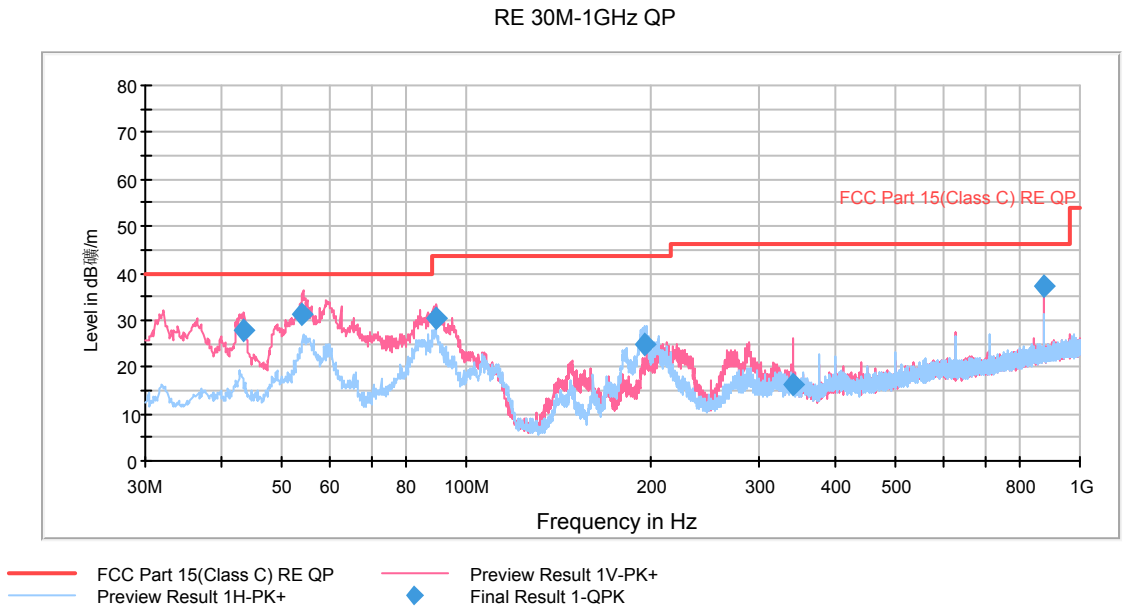
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4042.500000	40.4	151.0	H	1.0	39.3	-1.1	33.6	74
4856.250000	44.7	151.0	V	340.0	41.9	-2.8	29.3	74
7194.375000	43.7	151.0	V	207.0	36.0	-7.7	30.3	74
9819.375000	46.9	151.0	H	81.0	35.7	-11.2	27.1	74
13344.375000	49.9	151.0	H	98.0	35.4	-14.5	24.1	74
17996.250000	59.6	151.0	H	0.0	35.0	-24.6	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)
4042.500000	31.2	151.0	H	1.0	30.1	-1.1	22.8	54
4856.250000	34.4	151.0	V	340.0	31.6	--2.8	19.6	54
7194.375000	34.3	151.0	V	207.0	26.6	-7.7	19.7	54
9819.375000	37.0	151.0	H	81.0	25.8	-11.2	17.0	54
13344.375000	39.7	151.0	H	98.0	25.2	-14.5	14.3	54
17996.250000	49.4	151.0	H	0.0	24.8	-24.6	4.6	54

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

802.11n(HT40) CH6

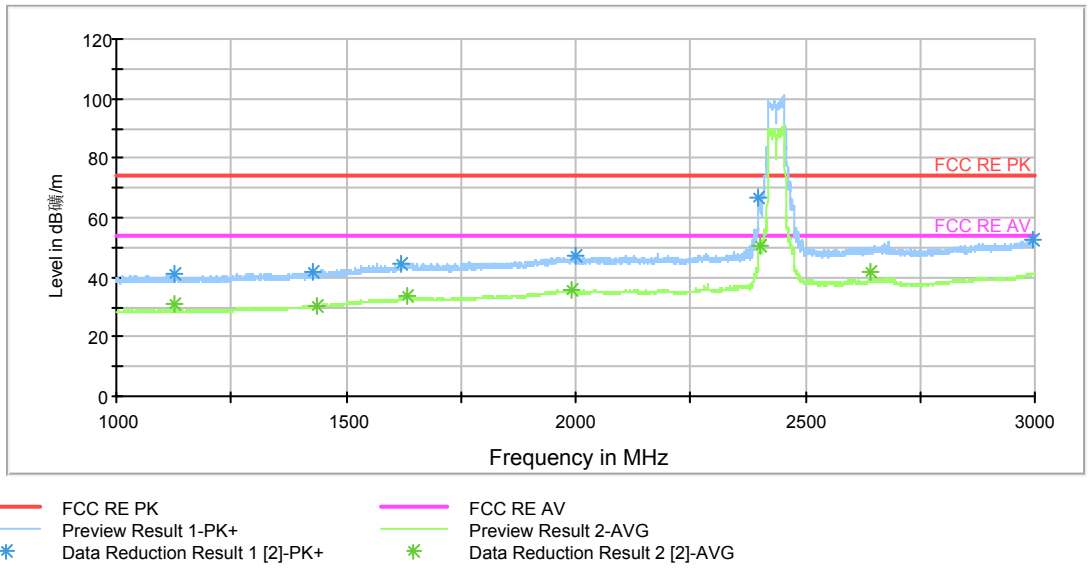


Note: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dBµV/m)in the test plot =(level in dBuv/m)
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
43.350103	27.9	129.0	V	283.0	6.7	-21.2	12.1	40.0
53.899413	31.3	127.0	V	241.0	9.0	-22.3	8.7	40.0
89.430862	30.2	127.0	V	198.0	4.6	-25.6	13.3	43.5
195.212750	24.6	127.0	H	96.0	-2.2	-26.8	18.9	43.5
340.868250	16.1	127.0	V	132.0	-6.1	-22.2	29.9	46.0
875.004500	37.4	154.0	V	341.0	24.2	-13.2	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



Note: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dBµV/m)in the test plot =(level in dBuv/m)
Note: The signal beyond the limit is carrier.
Radiates Emission from 1GHz to 3GHz

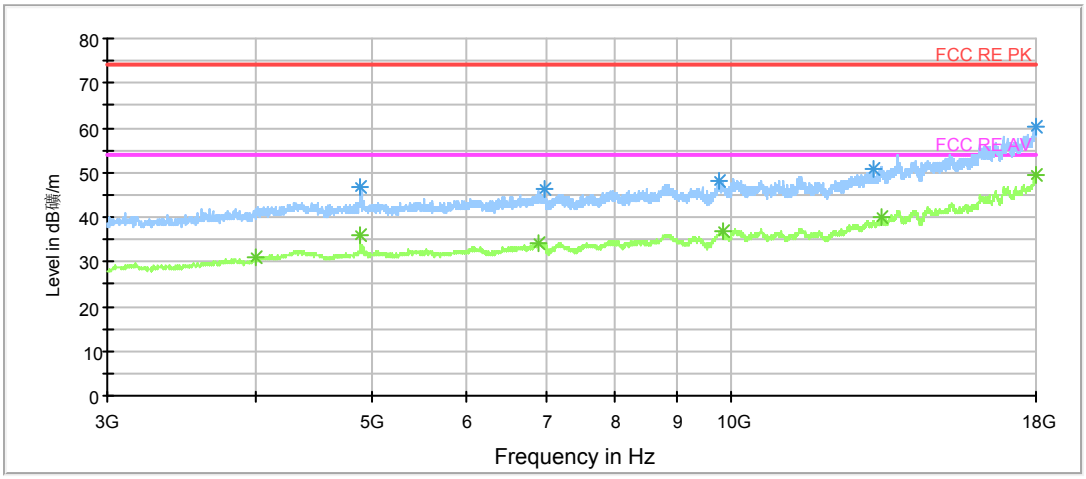
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1124.750000	41.1	201.0	V	233.0	31.4	-9.7	32.9	74
1438.250000	40.2	401.0	H	266.0	32.2	-8.0	33.8	74
1632.250000	42.8	401.0	V	7.0	37.7	-5.1	31.2	74
1993.250000	45.0	100.0	H	144.0	42.0	-3.0	29.0	74
2640.250000	49.4	100.0	V	339.0	49.1	-0.3	24.6	74
2400.250000	64.5	100.0	V	0.0	62.4	-2.1	9.5	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)
1124.750000	30.7	201.0	V	233.0	21.0	-9.7	23.3	54
1438.250000	30.4	401.0	H	266.0	22.4	-8.0	23.6	54
1632.250000	33.5	401.0	V	7.0	28.4	-5.1	20.5	54
1993.250000	35.8	100.0	H	144.0	32.8	-3.0	18.2	54
2640.250000	41.6	100.0	V	339.0	41.3	-0.3	12.4	54
2400.250000	50.5	100.0	V	0.0	48.4	-2.1	3.5	54

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

RE 3-18GHz PK+AV



FCC RE PK
Preview Result 1-PK+
Data Reduction Result 1 [1]-PK+
FCC RE AV
Preview Result 2-AVG
Data Reduction Result 2 [1]-AVG

Note: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dBµV/m)in the test plot =(level in dBuv/m)
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)
3997.500000	41.0	151.0	H	79.0	40.1	-0.9	33.0	74
4891.875000	46.0	151.0	V	27.0	43.0	-3.0	28.0	74
6894.375000	43.1	151.0	V	0.0	37.3	-5.8	30.9	74
9843.750000	46.0	151.0	H	10.0	35.0	-11.0	28.0	74
13348.125000	49.5	151.0	H	36.0	35.0	-14.5	24.5	74
17998.125000	58.9	151.0	H	279.0	34.2	-24.7	15.1	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)
3997.500000	31.1	151.0	H	79.0	30.2	-0.9	22.9	54
4891.875000	36.1	151.0	V	27.0	33.1	-3.0	17.9	54
6894.375000	34.2	151.0	V	0.0	28.4	-5.8	19.8	54
9843.750000	36.9	151.0	H	10.0	25.9	-11.0	17.1	54
13348.125000	39.9	151.0	H	36.0	25.4	-14.5	14.1	54
17998.125000	49.4	151.0	H	279.0	24.7	-24.7	4.6	54

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

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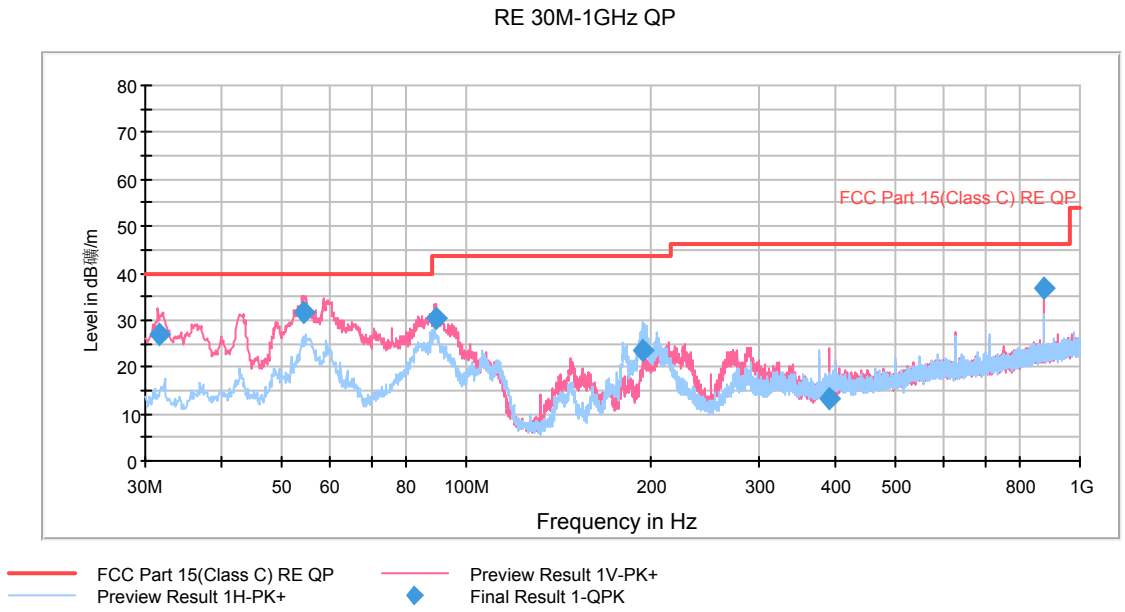
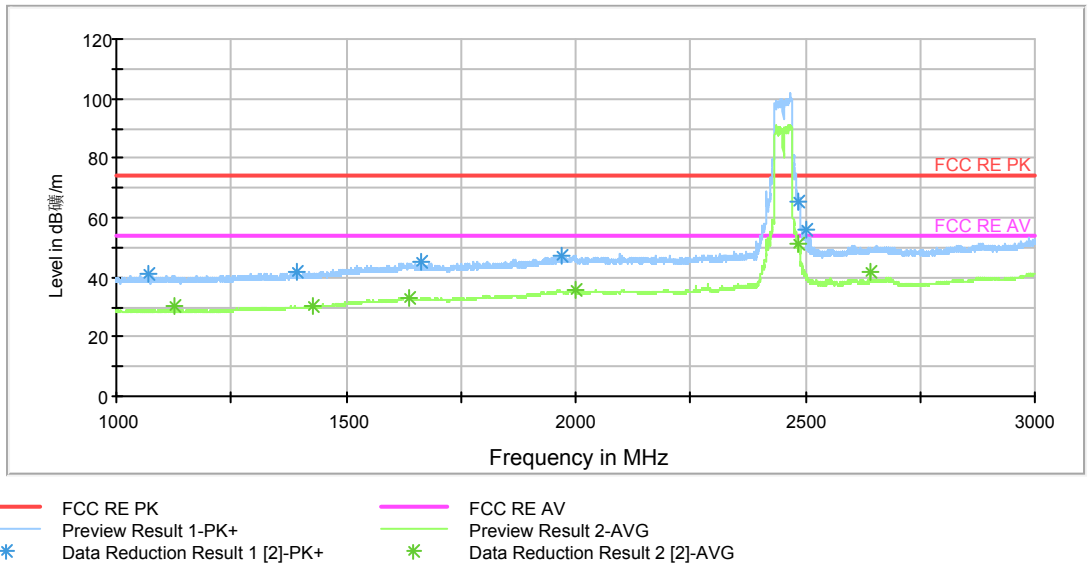


Note: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dB磍/m)in the test plot =(level in dBuv/m)
Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
31.533638	26.9	127.0	V	5.0	5.0	-21.9	13.1	40.0
54.315322	31.8	127.0	V	211.0	9.4	-22.4	8.2	40.0
89.025181	30.3	127.0	V	216.0	4.6	-25.7	13.2	43.5
194.123281	23.7	147.0	H	89.0	-3.2	-26.9	19.8	43.5
390.667750	13.1	180.0	V	341.0	-7.9	-21.0	32.9	46.0
875.004500	36.6	160.0	V	350.0	23.4	-13.2	9.4	46.0

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

RE 1G-3GHz PK+AV



Note: This graph displays the maximum values of horizontal and vertical by software

Note: a font (Level in dBµV/m)in the test plot =(level in dBuv/m)

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

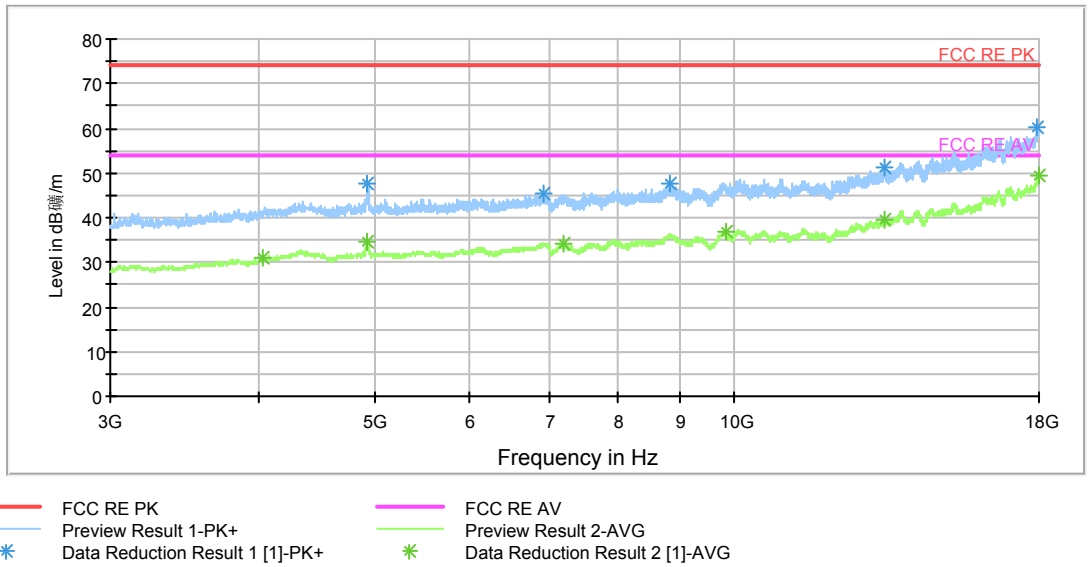
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1124.750000	39.0	201.0	V	53.0	29.3	-9.7	35.0	74
1426.000000	39.0	199.0	H	338.0	30.9	-8.1	35.0	74
1637.250000	42.2	199.0	H	188.0	37.1	-5.1	31.8	74
1999.250000	44.4	401.0	V	0.0	41.3	-3.1	29.6	74
2484.250000	62.7	100.0	V	334.0	61.9	-0.8	11.3	74
2640.250000	49.7	100.0	V	345.0	49.4	-0.3	24.3	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)
1124.750000	30.4	201.0	V	53.0	20.7	-9.7	23.6	54
1426.000000	30.6	199.0	H	338.0	22.5	-8.1	23.4	54
1637.250000	33.4	199.0	H	188.0	28.3	-5.1	20.6	54
1999.250000	35.9	401.0	V	0.0	32.8	-3.1	18.1	54
2484.250000	51.0	100.0	V	334.0	50.2	-0.8	3.0	54
2640.250000	41.6	100.0	V	345.0	41.3	-0.3	12.4	54

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

RE 3-18GHz PK+AV



FCC RE PK
Preview Result 1-PK+
Data Reduction Result 1 [1]-PK+
FCC RE AV
Preview Result 2-AVG
Data Reduction Result 2 [1]-AVG

Note: This graph displays the maximum values of horizontal and vertical by software
Note: a font (Level in dBµV/m)in the test plot =(level in dBuv/m)
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)
4027.500000	39.7	151.0	V	0.0	38.6	-1.1	34.3	74
4925.625000	46.4	151.0	V	0.0	43.4	-3.0	27.6	74
7198.125000	43.3	151.0	H	99.0	35.6	-7.7	30.7	74
9825.000000	47.1	151.0	H	0.0	35.9	-11.2	26.9	74
13346.250000	49.0	151.0	H	40.0	34.5	-14.5	25.0	74
18000.000000	59.2	151.0	V	339.0	34.5	-24.7	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)
4027.500000	30.9	151.0	V	0.0	29.8	-1.1	23.1	54
4925.625000	34.7	151.0	V	0.0	31.7	-3.0	19.3	54
7198.125000	34.3	151.0	H	99.0	26.6	-7.7	19.7	54
9825.000000	36.8	151.0	H	0.0	25.6	-11.2	17.2	54
13346.250000	39.6	151.0	H	40.0	25.1	-14.5	14.4	54
18000.000000	49.5	151.0	V	339.0	24.8	-24.7	4.5	54

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

2.10. Conducted Emissions

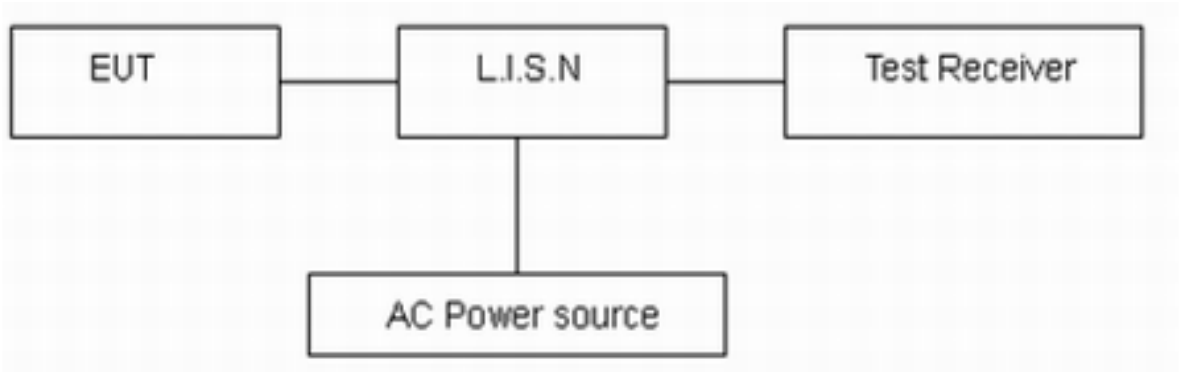
Ambient condition

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

Method 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 ANSIC63.4-2009.Connect the AC power line of the EUT to the LISN Use EMI receiver to detect the average and Quasi-peak value. RBW is set to 9kHz,VBW is set to 30kHz The measurement result should include both L line and N line.
The test is in transmitting mode.

Test setup



Note: AC Power source is used to change the voltage from 220V/50Hz to 110V/60Hz.

Limits

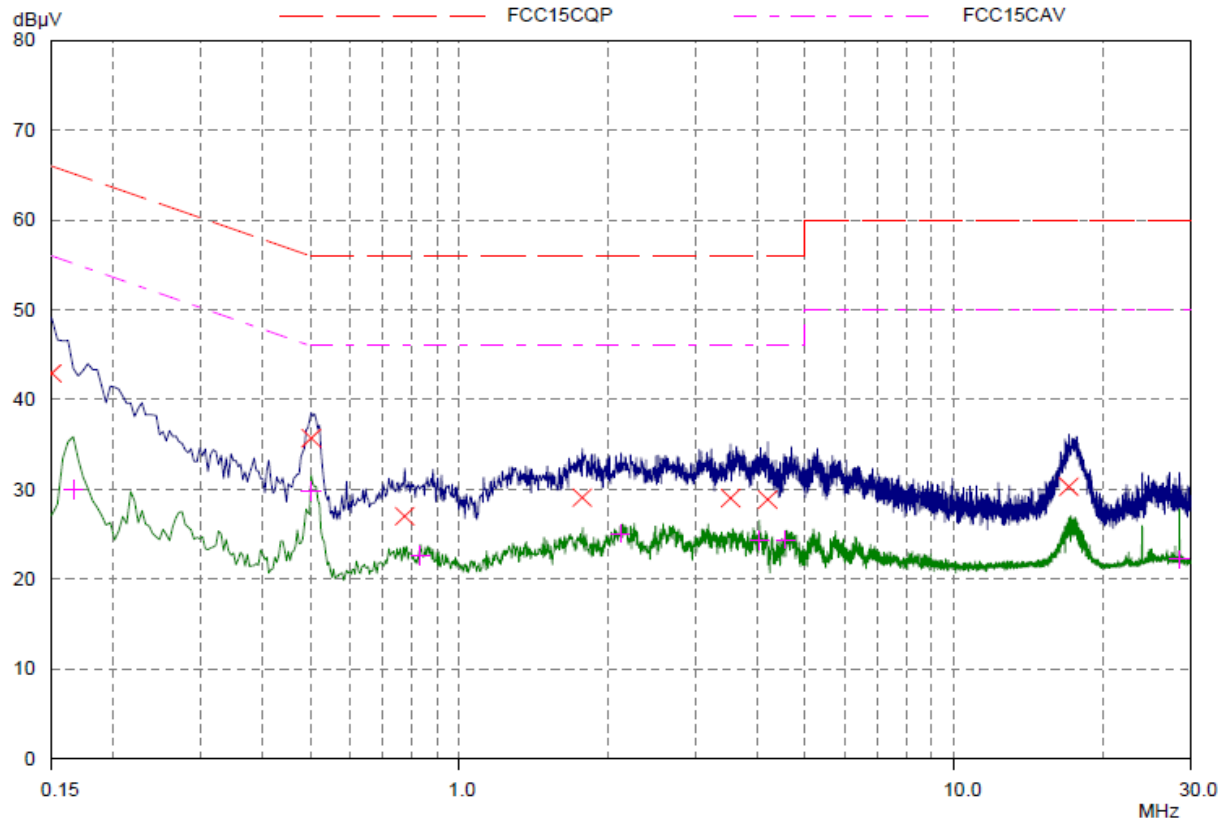
Frequency (MHz)	Conducted Limits(dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56 *	56 to 46*
0.5 - 5	56	46
5 - 30	60	50
*: Decreases with the logarithm of the frequency.		

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:

802.11b CH6

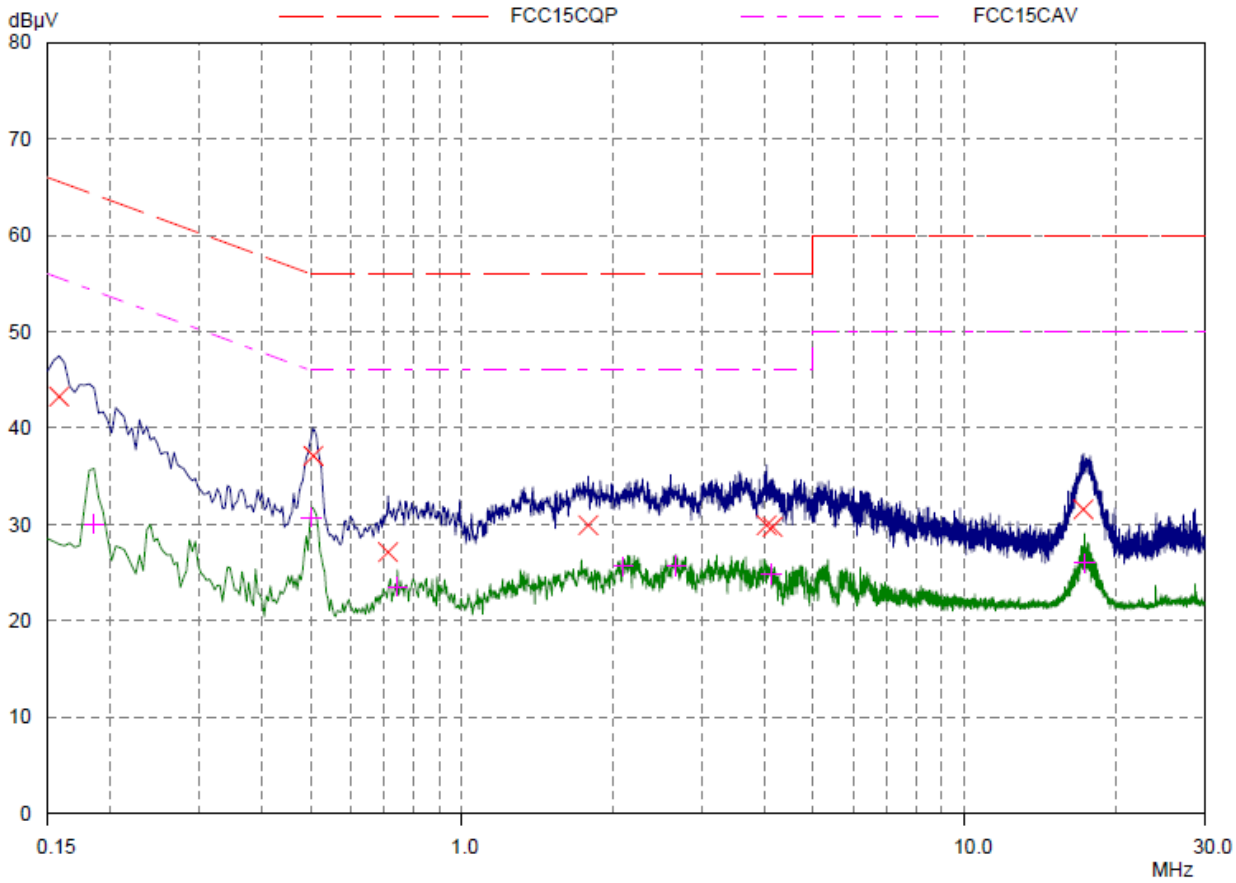


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.15	42.94	66.00	23.06	L1	gnd
0.50156	35.71	56.00	20.29	L1	gnd
0.775	27.02	56.00	28.98	L1	gnd
1.77109	29.08	56.00	26.92	L1	gnd
3.53281	29.02	56.00	26.98	L1	gnd
4.20078	28.87	56.00	27.13	L1	gnd
17.06796	30.30	60.00	29.70	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.16562	29.95	55.18	25.23	L1	gnd
0.50156	29.79	46.00	16.21	L1	gnd
0.83359	22.63	46.00	23.37	L1	gnd
2.11484	25.08	46.00	20.92	L1	gnd
4.04061	24.35	46.00	21.65	L1	gnd
4.56406	24.43	46.00	21.57	L1	gnd
28.54062	22.23	50.00	27.77	L1	gnd

L Line



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.15781	43.25	65.58	22.33	N	gnd
0.50546	37.13	56.00	18.87	N	gnd
0.7125	27.14	56.00	28.86	N	gnd
1.78281	29.92	56.00	26.08	N	gnd
4.03671	29.92	56.00	26.08	N	gnd
4.14609	29.74	56.00	26.26	N	gnd
17.23984	31.55	60.00	28.45	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.18515	30.08	54.25	24.17	N	gnd
0.50156	30.75	46.00	15.25	N	gnd
0.74375	23.55	46.00	22.45	N	gnd
2.09531	25.67	46.00	20.33	N	gnd
2.66562	25.69	46.00	20.31	N	gnd
4.11875	24.84	46.00	21.16	N	gnd
17.32578	26.00	50.00	24.00	N	gnd

N Line

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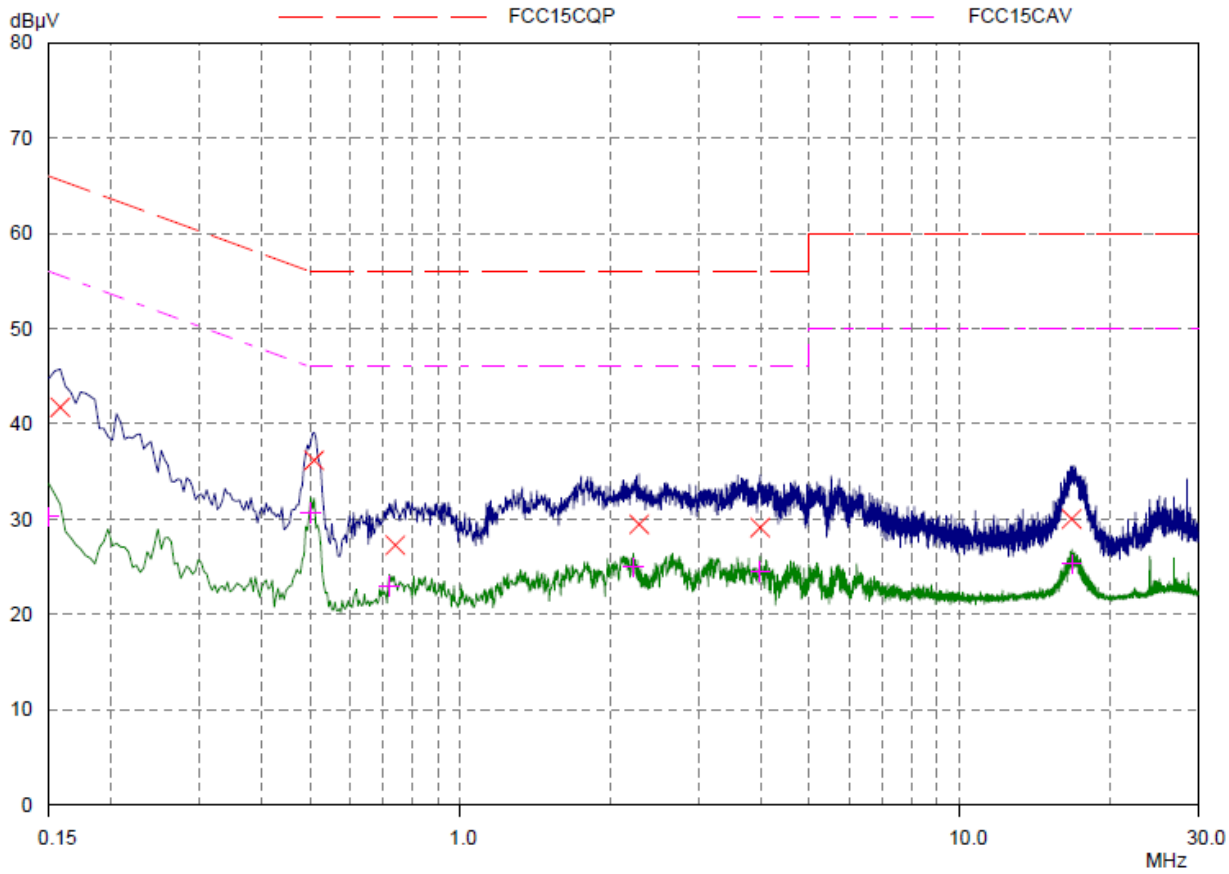
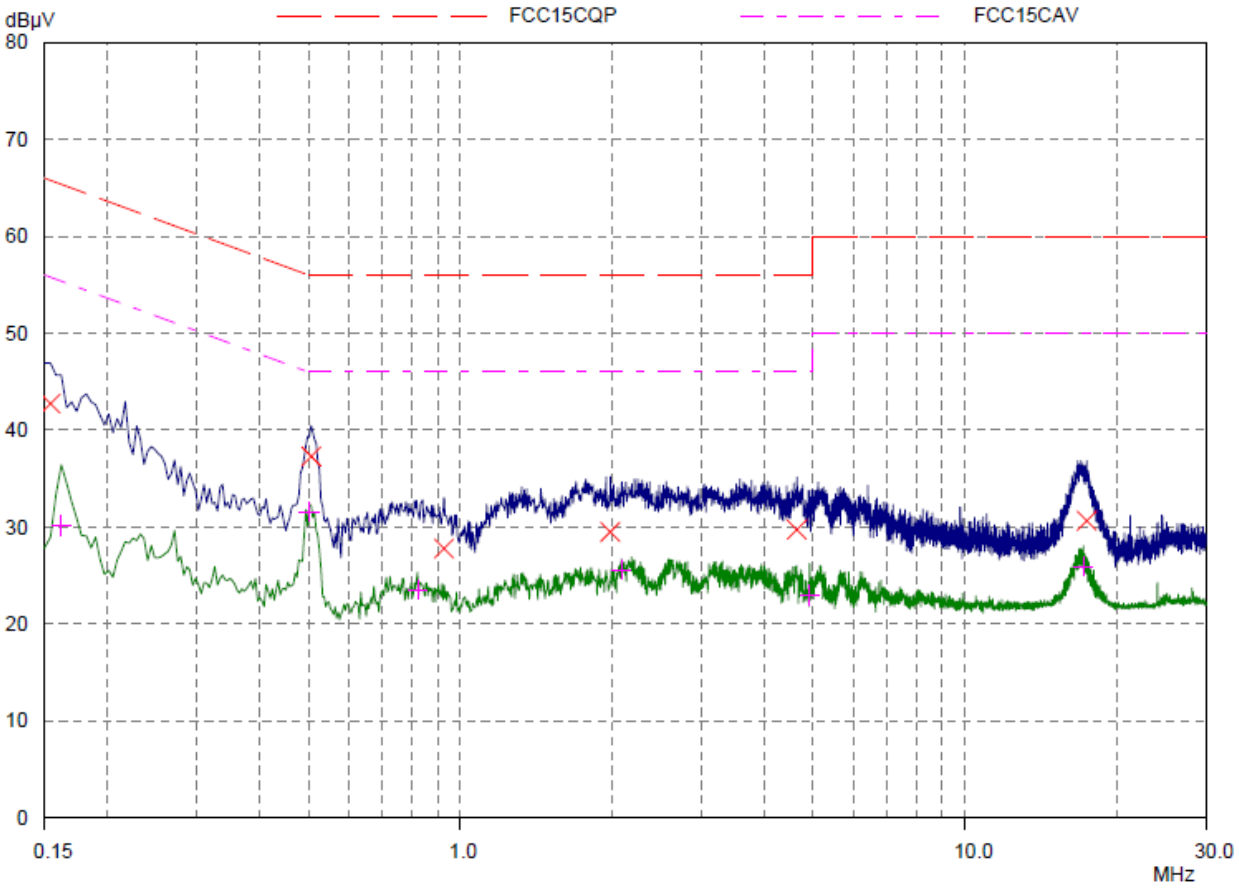


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.15781	41.75	65.58	23.83	L1	gnd
0.50937	36.18	56.00	19.82	L1	gnd
0.73984	27.27	56.00	28.73	L1	gnd
2.2789	29.47	56.00	26.53	L1	gnd
3.98203	29.12	56.00	26.88	L1	gnd
16.74765	30.01	60.00	29.99	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.15	30.29	56.00	25.71	L1	gnd
0.50156	30.66	46.00	15.34	L1	gnd
0.72031	22.98	46.00	23.02	L1	gnd
2.22031	24.97	46.00	21.03	L1	gnd
3.98203	24.49	46.00	21.51	L1	gnd
16.77109	25.32	50.00	24.68	L1	gnd

L Line



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.1539	42.74	65.79	23.05	N	gnd
0.50546	37.29	56.00	18.71	N	gnd
0.92734	27.78	56.00	28.22	N	gnd
1.98203	29.52	56.00	26.48	N	gnd
4.64218	29.74	56.00	26.26	N	gnd
17.42343	30.67	60.00	29.33	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.16171	30.19	55.38	25.19	N	gnd
0.50156	31.58	46.00	14.42	N	gnd
0.82187	23.57	46.00	22.43	N	gnd
2.08359	25.59	46.00	20.41	N	gnd
4.91953	22.94	46.00	23.06	N	gnd
17.15	25.94	50.00	24.06	N	gnd

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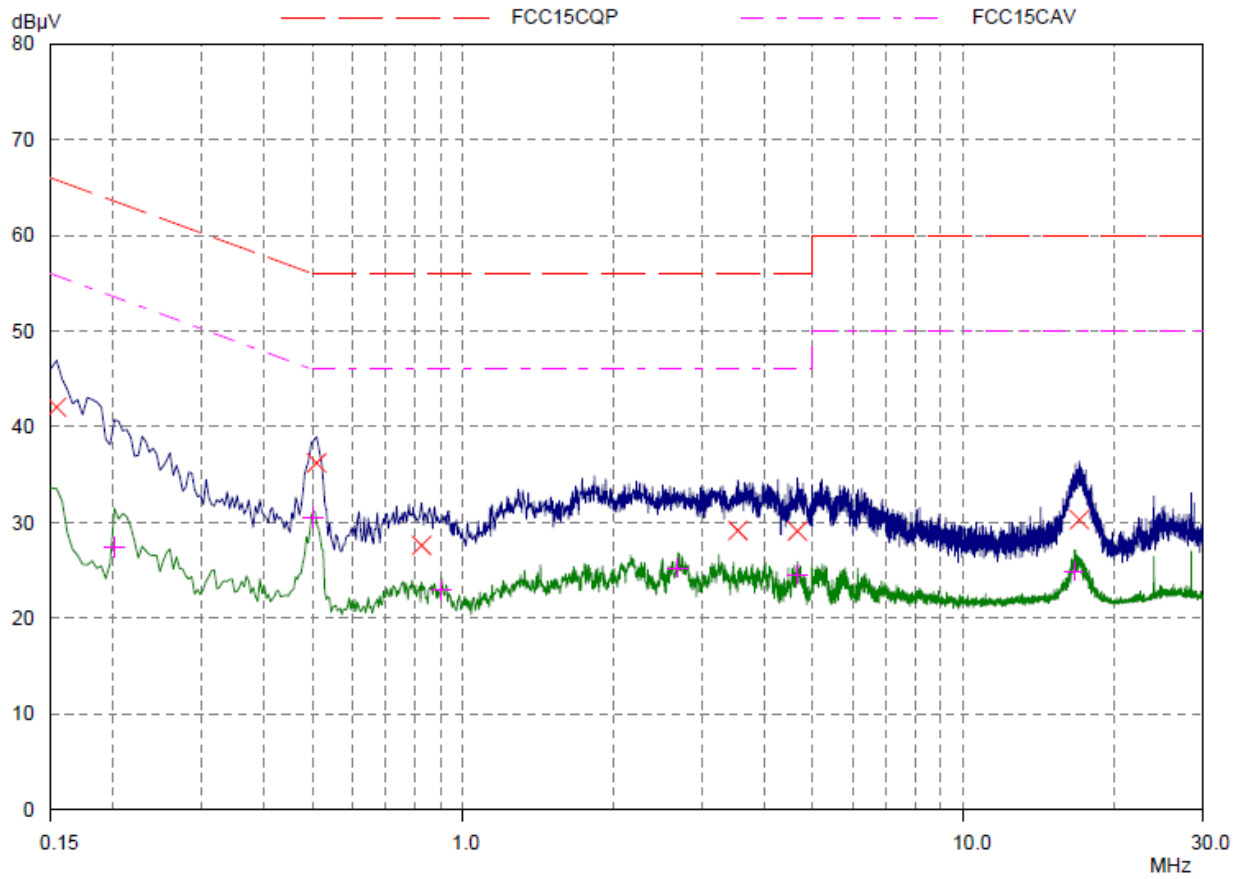
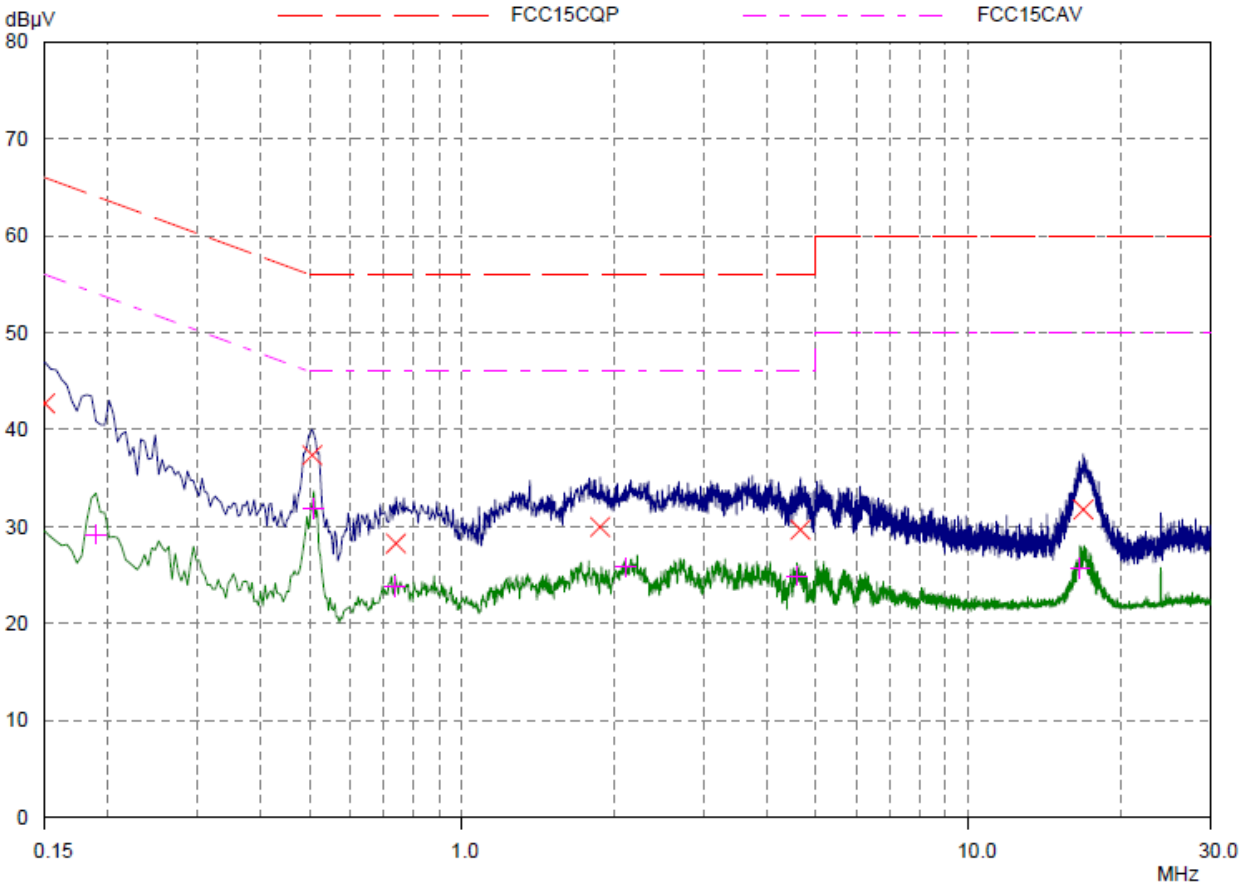


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.1539	42.06	65.79	23.73	L1	gnd
0.50937	36.24	56.00	19.76	L1	gnd
0.82578	27.61	56.00	28.39	L1	gnd
3.53671	29.16	56.00	26.84	L1	gnd
4.6539	29.11	56.00	26.89	L1	gnd
17.03671	30.30	60.00	29.70	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.20078	27.40	53.58	26.18	L1	gnd
0.50156	30.53	46.00	15.47	L1	gnd
0.9039	22.97	46.00	23.03	L1	gnd
2.68515	25.27	46.00	20.73	L1	gnd
4.66171	24.60	46.00	21.40	L1	gnd
16.64999	24.90	50.00	25.10	L1	gnd

L Line



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.15	42.70	66.00	23.30	N	gnd
0.50546	37.37	56.00	18.63	N	gnd
0.73984	28.27	56.00	27.73	N	gnd
1.87265	29.98	56.00	26.02	N	gnd
4.65781	29.67	56.00	26.33	N	gnd
16.85312	31.75	60.00	28.25	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.18906	29.19	54.08	24.89	N	gnd
0.50937	31.90	46.00	14.10	N	gnd
0.73593	23.85	46.00	22.15	N	gnd
2.10312	25.83	46.00	20.17	N	gnd
4.58359	24.91	46.00	21.09	N	gnd
16.60312	25.73	50.00	24.27	N	gnd

N Line

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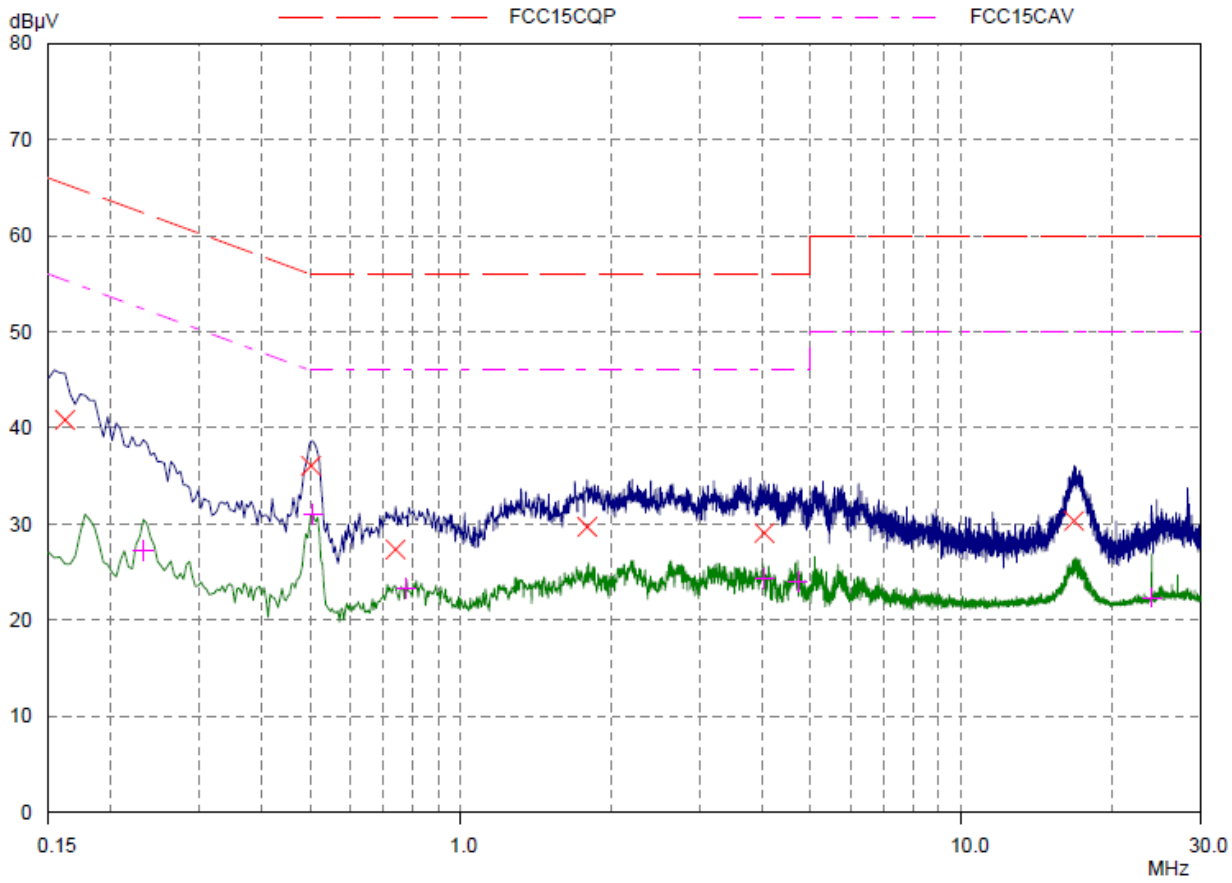
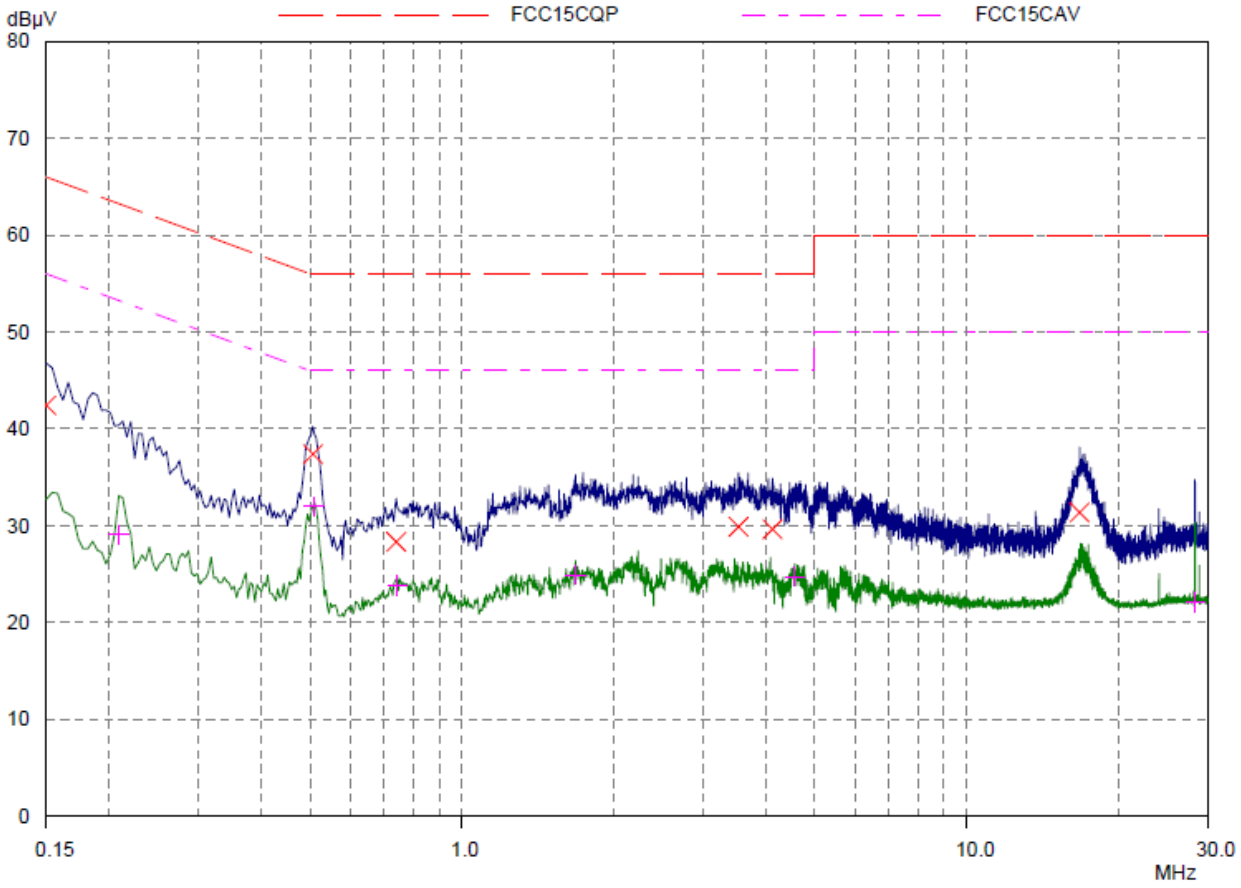


Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.16171	40.82	65.38	24.56	L1	gnd
0.50156	36.05	56.00	19.95	L1	gnd
0.73984	27.37	56.00	28.63	L1	gnd
1.78671	29.70	56.00	26.30	L1	gnd
4.04061	29.07	56.00	26.93	L1	gnd
16.79843	30.33	60.00	29.67	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.23203	27.30	52.38	25.08	L1	gnd
0.50546	31.01	46.00	14.99	L1	gnd
0.7789	23.31	46.00	22.69	L1	gnd
4.04061	24.35	46.00	21.65	L1	gnd
4.70468	24.00	46.00	22.00	L1	gnd
24.02109	22.33	50.00	27.67	L1	gnd

L Line



Final Measurement Results

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta dB	Phase -	PE -
0.15	42.44	66.00	23.56	N	gnd
0.50546	37.39	56.00	18.61	N	gnd
0.73984	28.33	56.00	27.67	N	gnd
3.5289	29.90	56.00	26.10	N	gnd
4.11875	29.64	56.00	26.36	N	gnd
16.73593	31.37	60.00	28.63	N	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
0.20859	29.06	53.26	24.20	N	gnd
0.50937	31.97	46.00	14.03	N	gnd
0.74375	23.85	46.00	22.15	N	gnd
1.67734	24.92	46.00	21.08	N	gnd
4.56015	24.77	46.00	21.23	N	gnd
28.34531	22.15	50.00	27.85	N	gnd

N Line

2. Main Test Instruments

No.	Name	Type	Manufacturer	Serial Number	Calibration Date	Expiration Time	Valid Period
01	EMI Test Receiver	ESCI	R&S	100948	2015-04-26	2016-04-25	1 year
02	Loop Antenna	FMZB1516	SCHWARZBECK	237	2014-06-29	2017-06-28	3years
03	TRILOG Broadband Antenna	VULB 9163	Schwarzbeck	9163-201	2013-11-25	2016-11-24	3 years
04	Double Ridged Waveguide Horn Antenna	HF907	R&S	100126	2012-07-02	2015-07-01	3 years
05	Standard Gain Horn	3160-09	ETS-Lindgren	00102644	2015-04-20	2018-04-19	3years
06	EMI Test Receiver	ESCS30	R&S	100138	2014-12-18	2015-12-17	1 year
07	LISN	ENV216	R&S	101171	2014-12-18	2015-12-17	1 year
08	Spectrum Analyzer	E4445A	Agilent	MY46181146	2015-04-26	2016-04-25	1 year
09	MOB COMMS DC SUPPLY	66319D	Agilent	MY43004105	2015-04-26	2016-04-25	1 year
10	Peak Power Meter	8990B	Agilent	51000109	2015-04-26	2016-04-25	1 year
11	Wideband Power Sensors	N1923A	Agilent	MY51220004	2015-04-26	2016-04-25	1 year
12	Spectrum Analyzer	FSV30	R&S	100815	2014-12-18	2015-12-17	1year
13	Spectrum Analyzer	N9010A	Agilent	MY47191109	2015-04-22	2016-04-21	1year

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