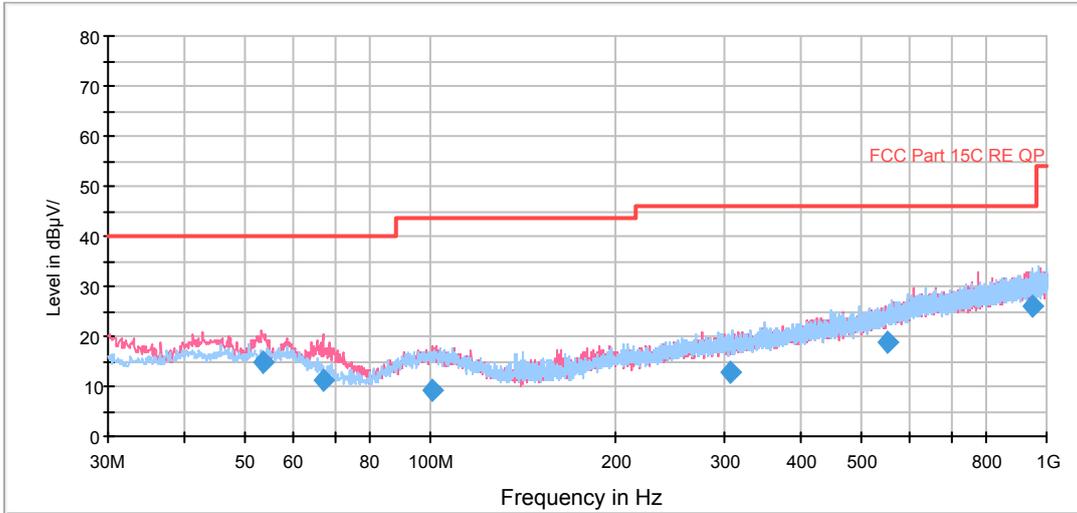




802.11b CH11

FCC RE 0.03-1GHz QP Class B

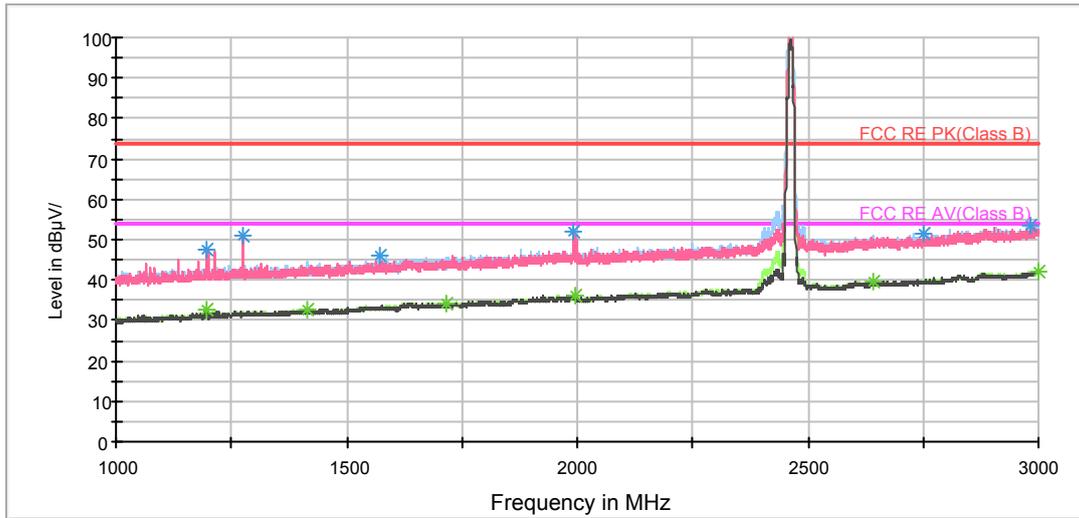


Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
53.440000	14.7	100.0	V	0.0	1.9	12.8	25.3	40.0
67.061250	11.1	100.0	V	67.0	1.4	9.7	28.9	40.0
101.131250	9.3	125.0	V	56.0	-3.9	13.2	34.2	43.5
307.867500	12.6	100.0	H	76.0	-3.2	15.8	33.4	46.0
553.842500	18.7	100.0	H	340.0	-3.0	21.7	27.3	46.0
949.315000	25.8	100.0	H	123.0	-1.3	27.1	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-3GHz PK+AV



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

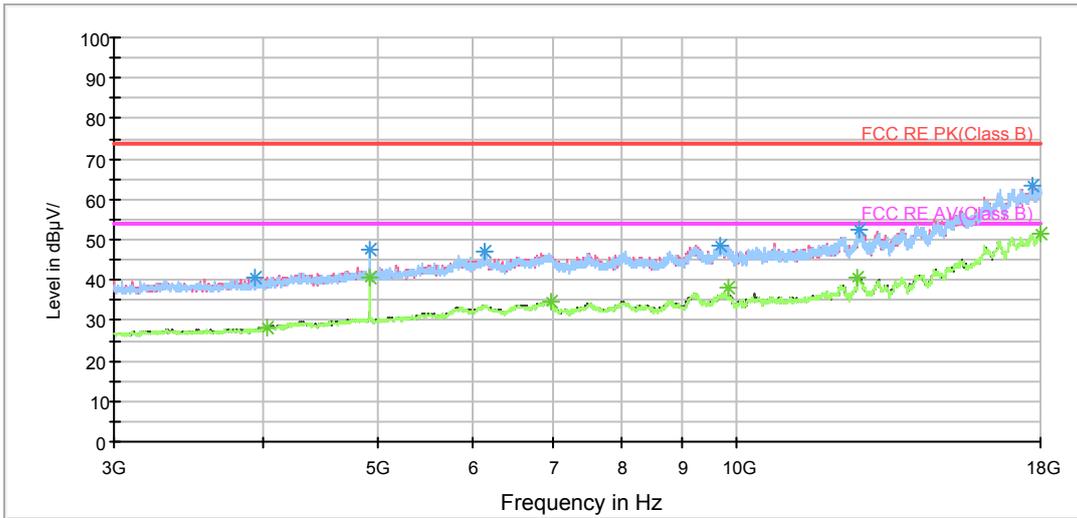
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1195.750000	47.3	105.0	H	302.0	52.5	-5.2	26.7	74
1273.250000	51.0	105.0	V	87.0	55.7	-4.7	23.0	74
1573.250000	45.9	105.0	H	149.0	49.4	-3.5	28.1	74
1990.250000	52.0	105.0	V	270.0	52.3	-0.3	22.0	74
2749.750000	51.5	105.0	V	130.0	47.6	3.9	22.5	74
2984.000000	53.7	105.0	H	346.0	48.5	5.2	20.3	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)
1197.250000	32.5	105.0	V	214.0	37.7	-5.2	21.5	54
1414.500000	32.7	105.0	V	0.0	36.7	-4.0	21.3	54
1717.000000	34.4	105.0	H	302.0	36.3	-1.9	19.6	54
1994.000000	36.4	105.0	V	57.0	36.6	-0.2	17.6	54
2642.000000	39.8	205.0	H	19.0	36.6	3.2	14.2	54
2998.000000	42.2	105.0	V	80.0	36.9	5.3	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)
3939.375000	40.5	202.0	H	230.0	41.6	-1.1	33.5	74
4923.750000	47.3	102.0	H	128.0	45.4	1.9	26.7	74
6135.000000	46.8	101.0	V	0.0	41.4	5.4	27.2	74
9671.250000	48.6	202.0	V	86.0	39.1	9.5	25.4	74
12675.000000	52.4	202.0	V	41.0	38.3	14.1	21.6	74
17707.500000	63.5	101.0	V	208.0	38.8	24.7	10.5	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4029.375000	28.3	202.0	V	222.0	29.4	-1.1	25.7	54
4923.750000	40.8	102.0	H	128.0	38.9	1.9	13.2	54
6997.500000	34.7	202.0	H	230.0	28.2	6.5	19.3	54
9847.500000	38.1	102.0	H	0.0	27.8	10.3	15.9	54
12643.125000	40.5	102.0	H	0.0	26.1	14.4	13.5	54
18000.000000	51.4	102.0	H	223.0	25.9	25.5	2.6	54

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

BELL_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)
19102.875000	52.3	V	174.0	52.9	-0.6	21.7	74
19522.562500	52.6	V	98.0	52.6	0.0	21.4	74
21788.875000	53.4	H	0.0	55.5	-2.1	20.6	74
23134.000000	54.5	V	243.0	54.6	-0.1	19.5	74
24512.062500	53.9	V	25.0	54.1	-0.2	20.1	74
26474.500000	54.8	V	1.0	53.7	1.1	19.2	74

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

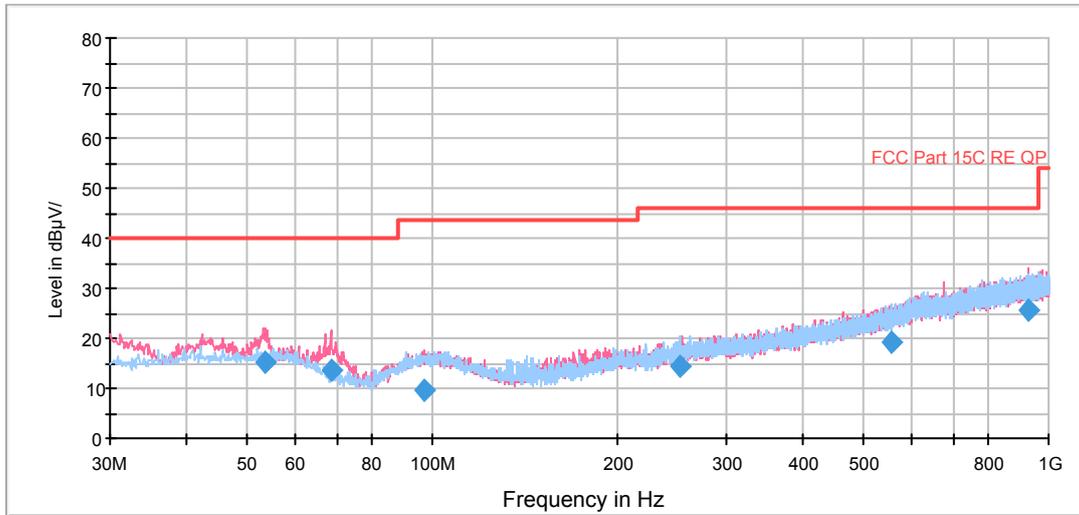
Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
19006.187500	40.8	V	65.0	41.0	-0.2	13.2	54
20450.125000	41.3	V	89.0	42.2	-0.9	12.7	54
21818.625000	42.2	H	0.0	44.2	-2.0	11.8	54
21915.312500	43.0	H	239.0	44.5	-1.5	11.0	54
24844.625000	42.4	V	33.0	42.1	0.3	11.6	54
26498.937500	43.7	H	198.0	42.6	1.1	10.3	54

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



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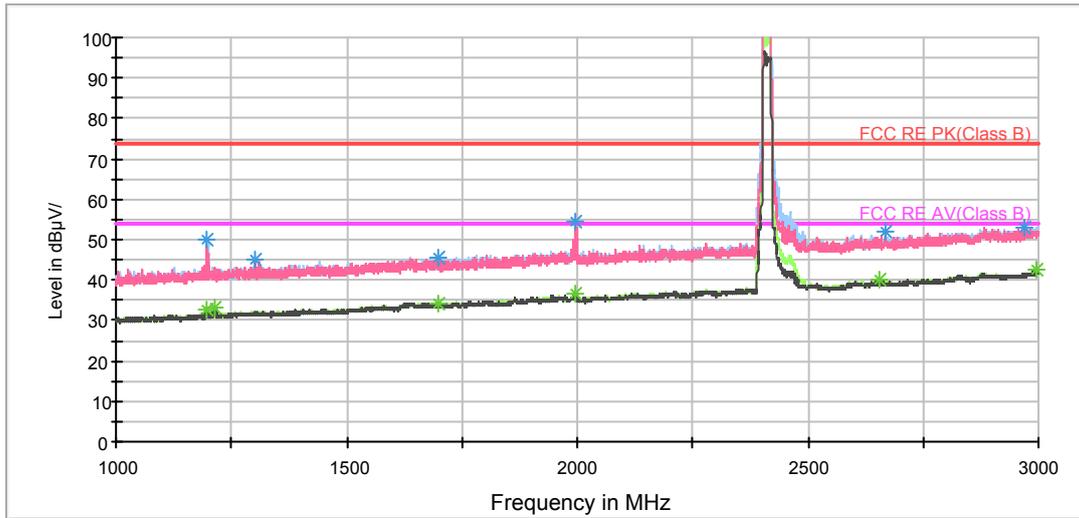


Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
53.482500	15.0	100.0	V	312.0	2.2	12.8	25.0	40.0
68.516250	13.5	100.0	V	341.0	4.3	9.2	26.5	40.0
97.008750	9.8	125.0	V	353.0	-3.0	12.8	33.7	43.5
252.053750	14.3	114.0	H	242.0	0.1	14.2	31.7	46.0
555.980000	19.0	114.0	V	254.0	-2.8	21.8	27.0	46.0
927.452500	25.6	100.0	V	0.0	-1.4	27.0	20.4	46.0

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

RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

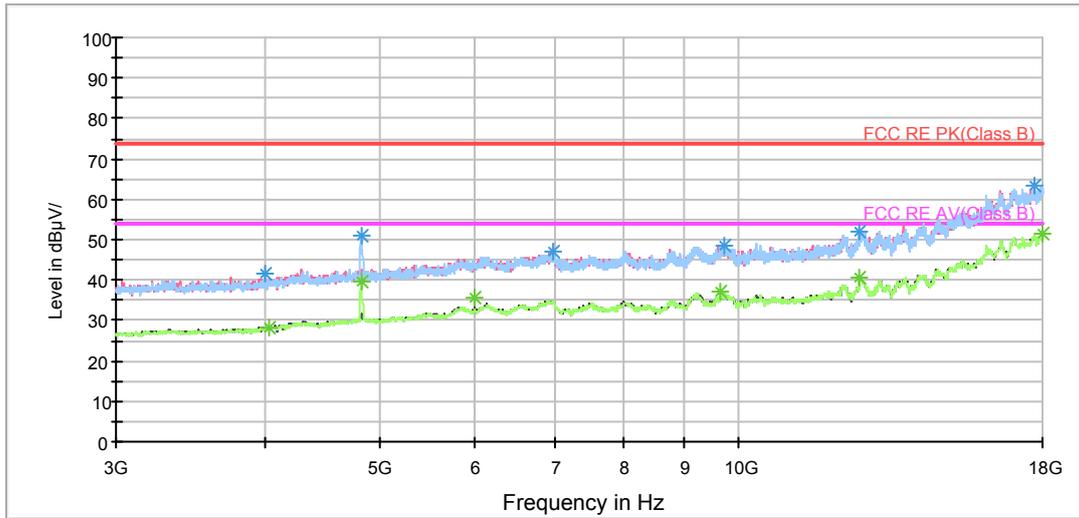
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1195.250000	50.2	105.0	H	268.0	55.4	-5.2	23.8	74
1302.750000	45.2	205.0	V	263.0	50.0	-4.8	28.8	74
1699.250000	45.8	205.0	H	8.0	47.8	-2.0	28.2	74
1993.750000	54.5	105.0	V	172.0	54.8	-0.3	19.5	74
2668.000000	51.7	105.0	V	27.0	48.4	3.3	22.3	74
2968.000000	53.2	105.0	H	168.0	48.0	5.2	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)
1195.250000	32.4	105.0	H	268.0	37.6	-5.2	21.6	54
1214.500000	33.1	105.0	V	157.0	38.1	-5.0	20.9	54
1698.000000	34.3	105.0	V	6.0	36.3	-2.0	19.7	54
1996.500000	36.8	105.0	V	234.0	37.1	-0.3	17.2	54
2656.250000	39.9	105.0	H	237.0	36.5	3.4	14.1	54
2993.750000	42.4	105.0	H	252.0	37.2	5.2	11.6	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

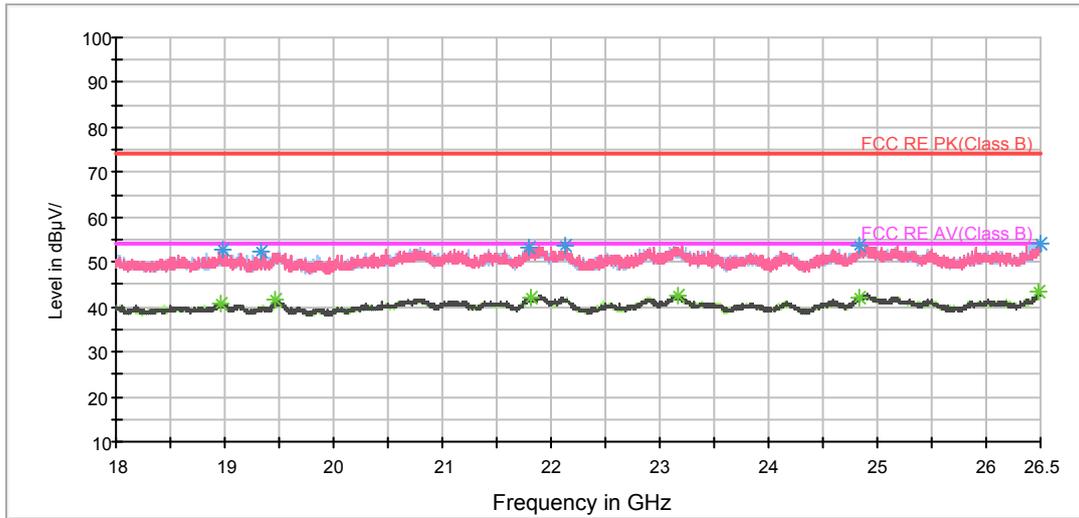
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3999.375000	41.5	202.0	H	273.0	42.6	-1.1	32.5	74
4824.375000	51.0	101.0	H	131.0	49.6	1.4	23.0	74
6997.500000	46.8	202.0	H	273.0	40.3	6.5	27.2	74
9736.875000	48.5	101.0	H	131.0	38.6	9.9	25.5	74
12650.625000	52.2	202.0	H	319.0	38.1	14.1	21.8	74
17715.000000	63.6	102.0	V	0.0	39.0	24.6	10.4	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)
4036.875000	28.4	202.0	V	37.0	29.4	-1.0	25.6	54
4824.375000	39.8	101.0	H	131.0	38.4	1.4	14.2	54
6000.000000	35.8	102.0	V	0.0	30.9	4.9	18.2	54
9648.750000	37.2	101.0	H	154.0	27.4	9.8	16.8	54
12639.375000	40.6	202.0	V	219.0	26.1	14.5	13.4	54
17998.125000	51.5	202.0	V	60.0	26.1	25.4	2.5	54

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

BELL_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)
18978.562500	52.6	V	0.0	52.7	-0.1	21.4	74
19328.125000	52.4	H	305.0	52.6	-0.2	21.6	74
21795.250000	53.1	V	22.0	55.2	-2.1	20.9	74
22138.437500	53.8	H	0.0	55.5	-1.7	20.2	74
24838.250000	53.7	H	0.0	53.4	0.3	20.3	74
26500.000000	54.3	H	266.0	53.2	1.1	19.7	74

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

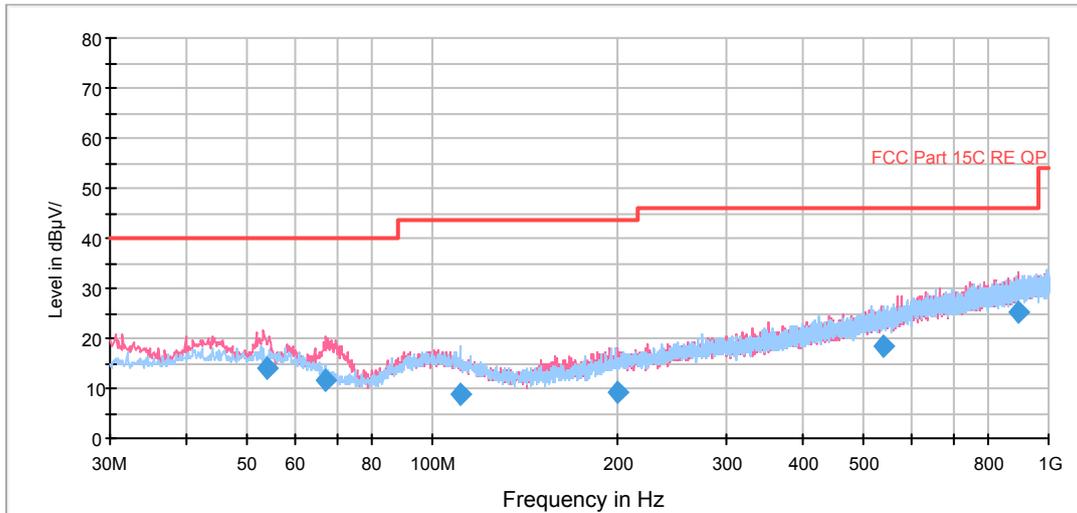
Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18963.687500	40.9	H	15.0	40.9	0.0	13.1	54
19466.250000	41.6	H	321.0	41.5	0.1	12.4	54
21820.750000	42.0	H	288.0	44.0	-2.0	12.0	54
23159.500000	42.6	H	250.0	42.7	-0.1	11.4	54
24841.437500	42.0	H	305.0	41.7	0.3	12.0	54
26490.437500	43.3	V	142.0	42.2	1.1	10.7	54

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



802.11g CH6

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Radiates Emission from 30MHz to 1GHz

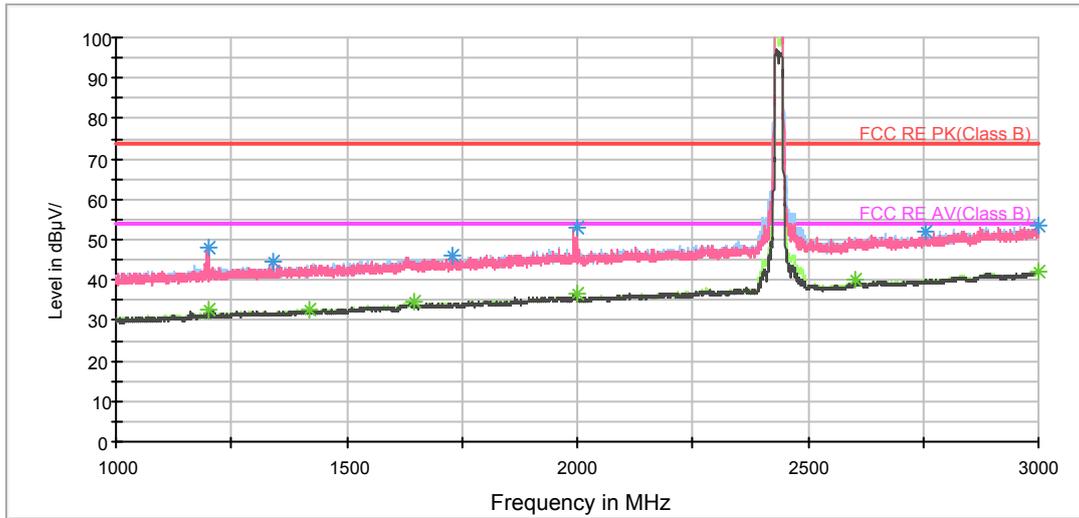
Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
53.972500	14.1	53.97250	14.1	53.97250	1.3	12.8	25.9	40.0
67.025000	11.7	67.02500	11.7	67.02500	2.0	9.7	28.3	40.0
110.793750	8.9	110.7937	8.9	110.7937	-3.4	12.3	34.6	43.5
199.868750	9.1	199.8687	9.1	199.8687	-3.1	12.2	34.4	43.5
538.966250	18.5	538.9662	18.5	538.9662	-2.9	21.4	27.5	46.0
895.726250	25.2	895.7262	25.2	895.7262	-1.5	26.7	20.8	46.0

Remark: 1. Quasi-Peak = Reading value + Correction factor

2. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)

3. Margin = Limit – Quasi-Peak

RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

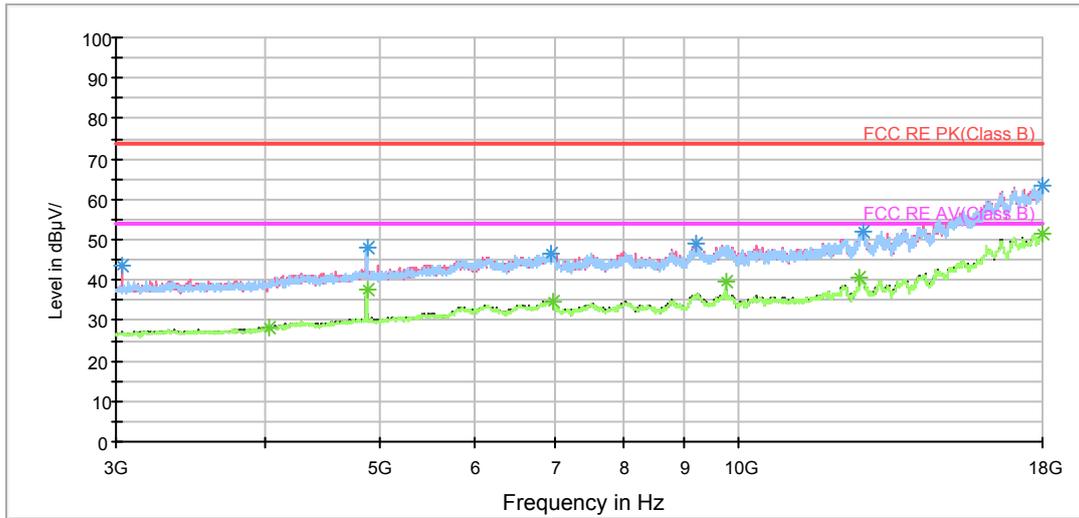
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1199.000000	47.9	105.0	V	250.0	53.1	-5.2	26.1	74
1341.250000	44.4	105.0	V	105.0	48.8	-4.4	29.6	74
1728.000000	46.0	105.0	H	317.0	48.0	-2.0	28.0	74
1998.250000	52.9	105.0	V	279.0	53.3	-0.4	21.1	74
2755.500000	51.8	205.0	H	91.0	47.9	3.9	22.2	74
2999.000000	53.4	205.0	H	0.0	48.1	5.3	20.6	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)
1199.000000	32.6	105.0	V	250.0	37.8	-5.2	21.4	54
1417.250000	32.6	105.0	V	76.0	36.5	-3.9	21.4	54
1645.500000	34.4	105.0	H	172.0	36.3	-1.9	19.6	54
1998.250000	36.6	105.0	V	279.0	37.0	-0.4	17.4	54
2602.250000	39.9	205.0	H	54.0	36.5	3.4	14.1	54
3000.000000	42.2	205.0	H	40.0	36.9	5.3	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

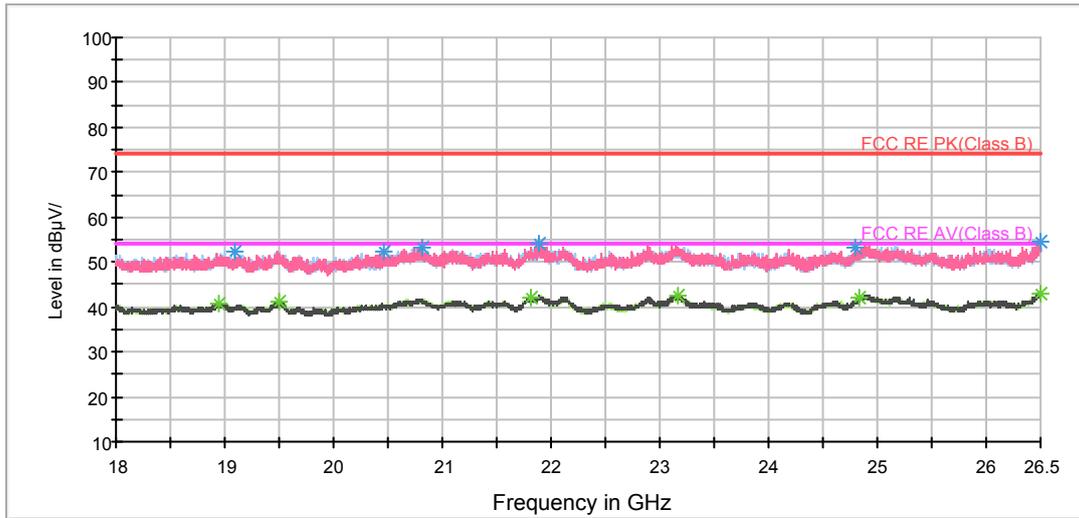
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3031.875000	43.5	202.0	V	245.0	46.8	-3.3	30.5	74
4873.125000	48.3	101.0	H	108.0	46.5	1.8	25.7	74
6946.875000	46.8	202.0	V	108.0	40.6	6.2	27.2	74
9226.875000	48.8	202.0	V	0.0	38.9	9.9	25.2	74
12725.625000	52.2	202.0	V	176.0	38.3	13.9	21.8	74
17994.375000	63.4	101.0	V	0.0	38.1	25.3	10.6	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)
4035.000000	28.2	101.0	H	108.0	29.2	-1.0	25.8	54
4873.125000	37.5	101.0	H	108.0	35.7	1.8	16.5	54
6997.500000	34.7	202.0	V	222.0	28.2	6.5	19.3	54
9748.125000	39.8	101.0	H	153.0	30.0	9.8	14.2	54
12641.250000	40.6	101.0	V	0.0	26.1	14.5	13.4	54
18000.000000	51.4	202.0	H	0.0	25.9	25.5	2.6	54

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

BELL_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)
19094.375000	52.3	H	172.0	52.8	-0.5	21.7	74
20462.875000	52.4	V	231.0	53.3	-0.9	21.6	74
20815.625000	53.3	V	181.0	55.3	-2.0	20.7	74
21893.000000	54.1	V	64.0	55.7	-1.6	19.9	74
24795.750000	53.2	H	248.0	53.2	0.0	20.8	74
26493.625000	54.4	H	59.0	53.3	1.1	19.6	74

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

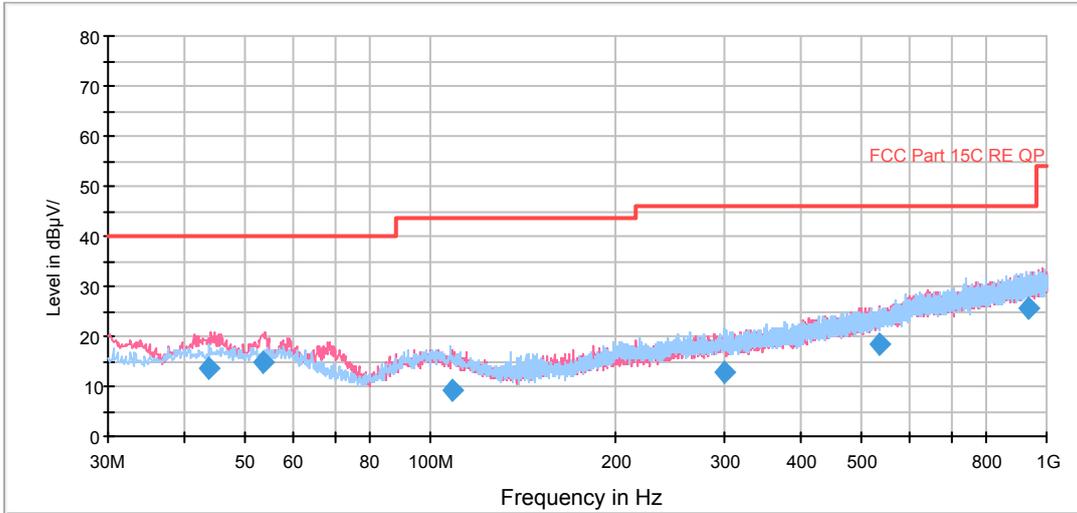
Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18941.375000	40.8	V	39.0	40.8	0.0	13.2	54
19500.250000	41.4	V	1.0	41.3	0.1	12.6	54
21813.312500	42.0	V	172.0	44.0	-2.0	12.0	54
23162.687500	42.7	V	14.0	42.8	-0.1	11.3	54
24829.750000	42.0	V	0.0	41.8	0.2	12.0	54
26495.750000	43.0	V	122.0	41.9	1.1	11.0	54

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



802.11g CH11

FCC RE 0.03-1GHz QP Class B

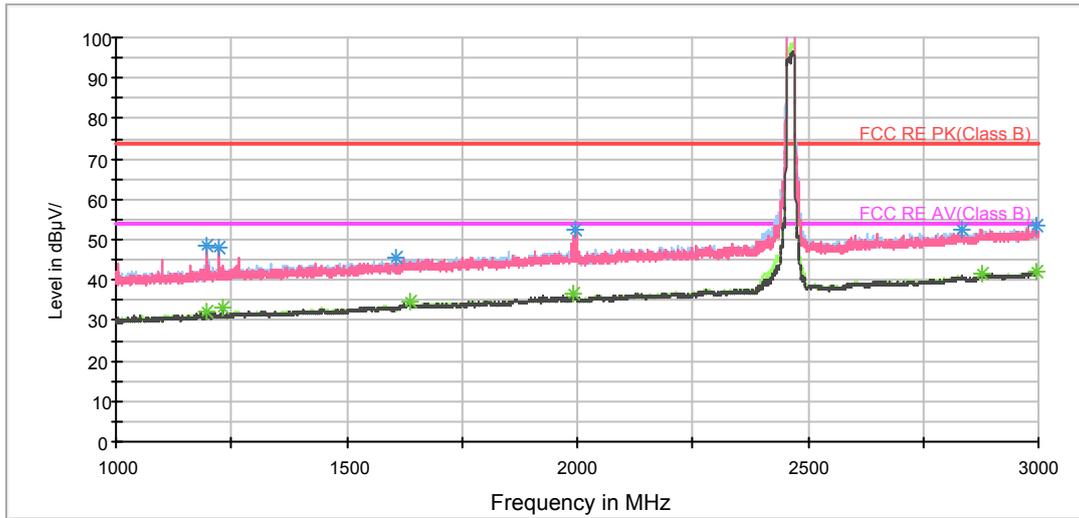


Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
43.585000	13.8	100.0	V	0.0	0.7	13.1	26.2	40.0
53.486250	15.0	100.0	V	334.0	2.2	12.8	25.0	40.0
108.445000	9.2	125.0	H	17.0	-3.2	12.4	34.3	43.5
299.775000	13.0	100.0	H	0.0	-2.8	15.8	33.0	46.0
535.775000	18.4	113.0	V	353.0	-2.9	21.3	27.6	46.0
931.208750	25.7	100.0	V	275.0	-1.3	27.0	20.3	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

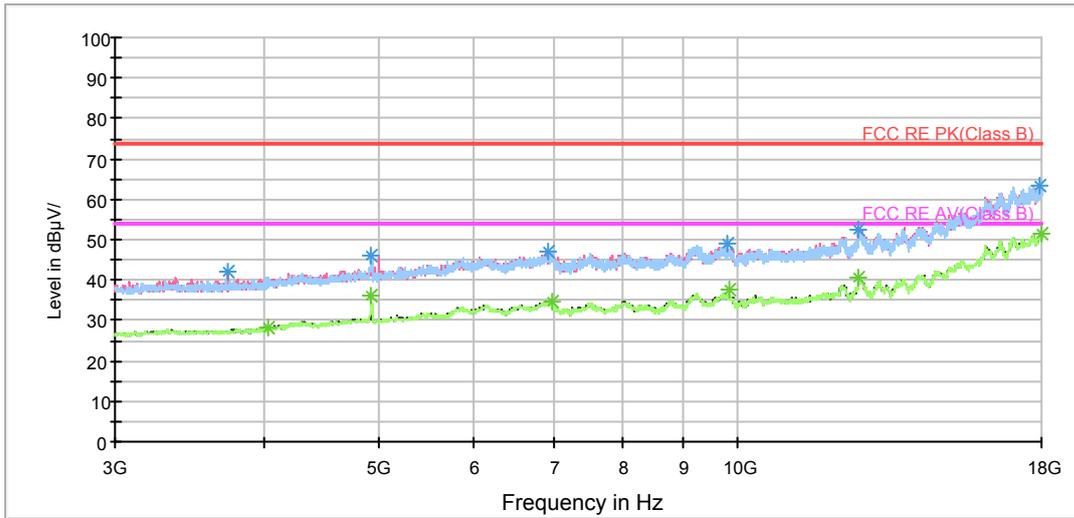
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1196.000000	48.6	105.0	V	72.0	53.8	-5.2	25.4	74
1223.000000	47.9	205.0	V	290.0	52.7	-4.8	26.1	74
1607.500000	45.3	105.0	H	316.0	48.3	-3.0	28.7	74
1995.250000	52.4	205.0	V	247.0	52.6	-0.2	21.6	74
2835.000000	52.5	105.0	V	95.0	48.0	4.5	21.5	74
2997.250000	53.5	205.0	H	98.0	48.2	5.3	20.5	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1197.250000	32.3	105.0	H	228.0	37.5	-5.2	21.7	54
1229.750000	33.2	105.0	V	261.0	37.9	-4.7	20.8	54
1637.500000	34.5	205.0	H	0.0	36.2	-1.7	19.5	54
1991.750000	36.6	105.0	V	209.0	36.9	-0.3	17.4	54
2876.750000	41.6	205.0	H	0.0	36.3	5.3	12.4	54
2997.750000	42.2	205.0	H	24.0	36.9	5.3	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

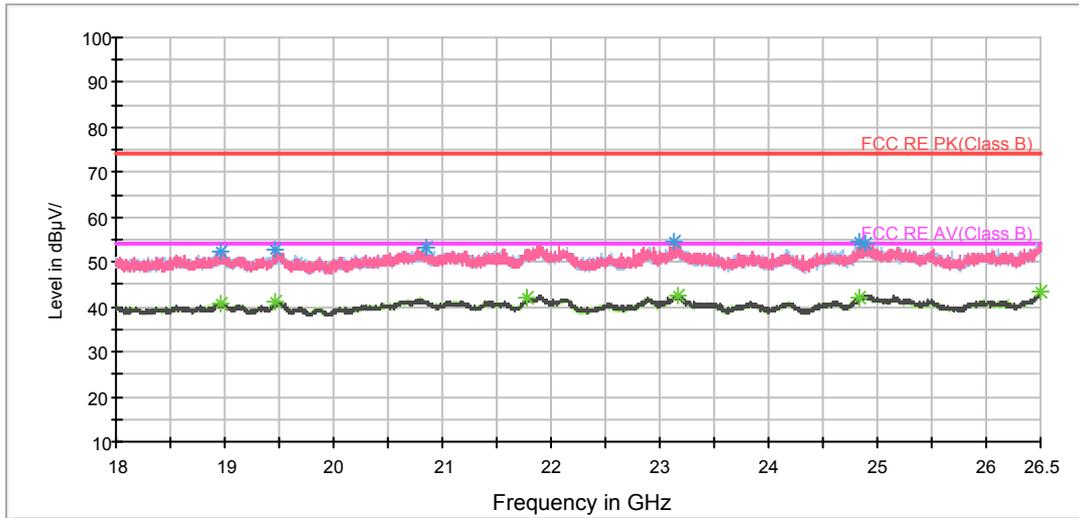
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3735.000000	42.2	202.0	V	246.0	43.9	-1.7	31.8	74
4923.750000	46.1	202.0	H	162.0	44.2	1.9	27.9	74
6931.875000	47.3	202.0	H	352.0	41.1	6.2	26.7	74
9795.000000	48.8	102.0	H	0.0	38.9	9.9	25.2	74
12639.375000	52.5	202.0	V	0.0	38.0	14.5	21.5	74
17923.125000	63.4	101.0	V	210.0	37.7	25.7	10.6	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)
4031.250000	28.2	202.0	V	85.0	29.3	-1.1	25.8	54
4923.750000	36.2	102.0	H	108.0	34.3	1.9	17.8	54
6993.750000	34.6	202.0	V	0.0	28.1	6.5	19.4	54
9847.500000	37.8	102.0	H	154.0	27.5	10.3	16.2	54
12643.125000	40.5	101.0	V	0.0	26.1	14.4	13.5	54
17996.250000	51.4	202.0	H	352.0	26.0	25.4	2.6	54

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

BELL_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)
18960.500000	52.2	H	324.0	52.2	0.0	21.8	74
19471.562500	52.7	V	13.0	52.6	0.1	21.3	74
20853.875000	53.2	H	61.0	55.4	-2.2	20.8	74
23132.937500	54.4	V	214.0	54.5	-0.1	19.6	74
24828.687500	54.7	H	333.0	54.5	0.2	19.3	74
24880.750000	54.3	H	116.0	53.8	0.5	19.7	74

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

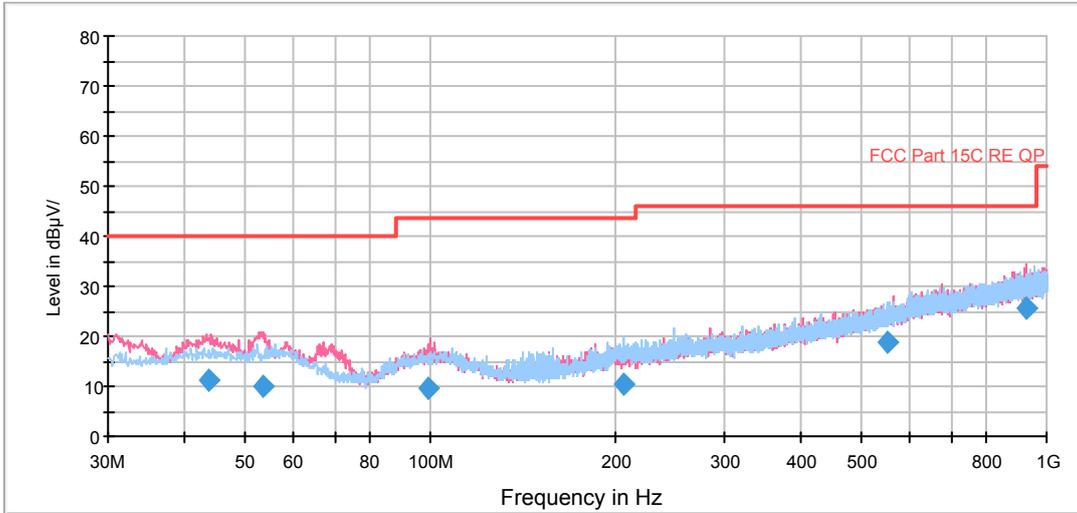
Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18970.062500	40.8	V	78.0	40.9	-0.1	13.2	54
19470.500000	41.2	H	150.0	41.1	0.1	12.8	54
21783.562500	42.1	H	333.0	44.3	-2.2	11.9	54
23158.437500	42.6	V	188.0	42.7	-0.1	11.4	54
24839.312500	42.0	V	188.0	41.7	0.3	12.0	54
26495.750000	43.3	H	283.0	42.2	1.1	10.7	54

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



MIMO 802.11n (HT20) CH1

FCC RE 0.03-1GHz QP Class B

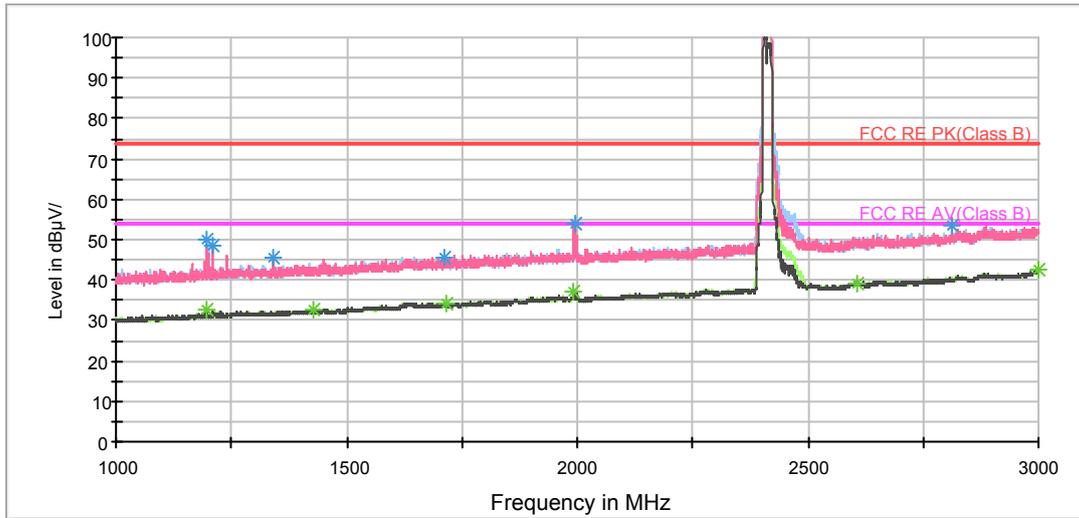


Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
43.746250	11.4	100.0	V	337.0	-1.7	13.1	28.6	40.0
53.597500	10.0	100.0	V	313.0	-2.8	12.8	30.0	40.0
99.600000	9.4	125.0	V	214.0	-3.8	13.2	34.1	43.5
205.936250	10.6	125.0	H	73.0	-1.8	12.4	32.9	43.5
551.938750	18.7	100.0	H	346.0	-2.9	21.6	27.3	46.0
927.447500	25.6	125.0	V	346.0	-1.4	27.0	20.4	46.0

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

RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

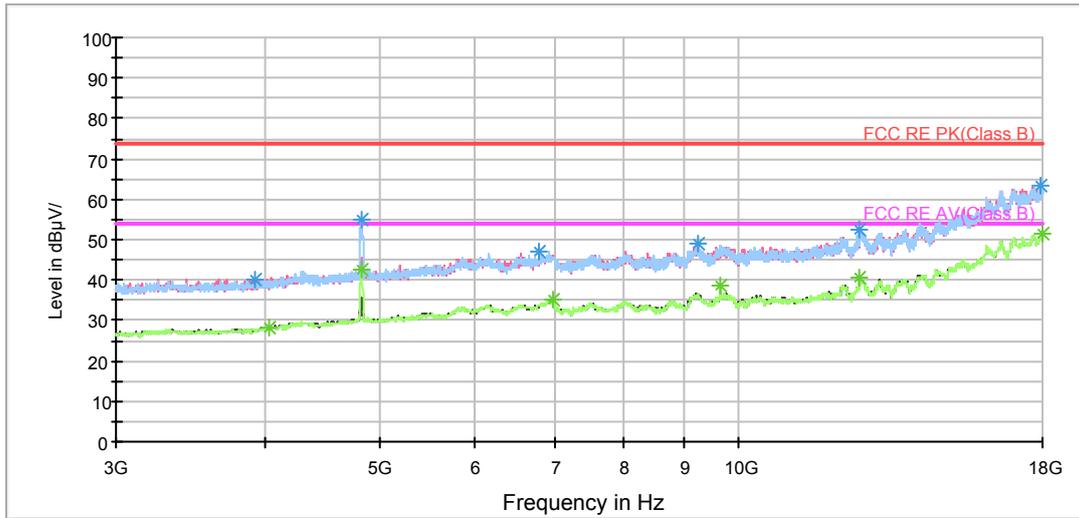
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1198.250000	50.2	105.0	H	318.0	55.4	-5.2	23.8	74
1211.250000	48.5	105.0	V	45.0	53.5	-5.0	25.5	74
1340.000000	45.4	205.0	V	353.0	49.8	-4.4	28.6	74
1710.000000	45.7	105.0	V	165.0	47.5	-1.8	28.3	74
1993.750000	54.0	105.0	V	237.0	54.3	-0.3	20.0	74
2812.000000	53.7	205.0	V	359.0	49.3	4.4	20.3	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)
1198.250000	32.7	105.0	H	318.0	37.9	-5.2	21.3	54
1429.000000	32.6	205.0	V	353.0	36.5	-3.9	21.4	54
1715.000000	34.4	105.0	H	111.0	36.3	-1.9	19.6	54
1991.500000	37.1	105.0	V	278.0	37.4	-0.3	16.9	54
2607.000000	39.3	205.0	H	0.0	36.1	3.2	14.7	54
2999.750000	42.4	105.0	H	175.0	37.1	5.3	11.6	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

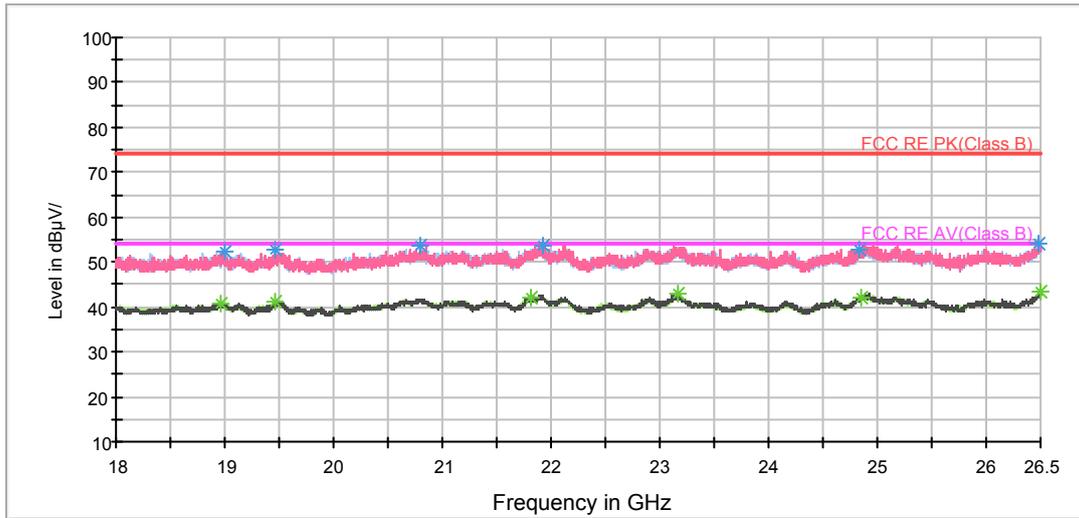
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3920.625000	40.3	202.0	V	109.0	41.5	-1.2	33.7	74
4820.625000	54.8	102.0	H	131.0	53.5	1.3	19.2	74
6808.125000	47.1	102.0	H	63.0	41.3	5.8	26.9	74
9258.750000	48.8	102.0	V	0.0	39.4	9.4	25.2	74
12650.625000	52.7	102.0	V	301.0	38.6	14.1	21.3	74
17921.250000	63.3	202.0	V	0.0	37.6	25.7	10.7	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	28.4	102.0	V	324.0	29.4	-1.0	25.6	54
4824.375000	42.6	102.0	H	176.0	41.2	1.4	11.4	54
6997.500000	34.9	102.0	V	0.0	28.4	6.5	19.1	54
9648.750000	38.6	102.0	H	223.0	28.8	9.8	15.4	54
12639.375000	40.5	102.0	V	0.0	26.0	14.5	13.5	54
17998.125000	51.4	202.0	V	131.0	26.0	25.4	2.6	54

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

BELL_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)
18996.625000	52.2	V	1.0	52.4	-0.2	21.8	74
19471.562500	52.6	H	187.0	52.5	0.1	21.4	74
20789.062500	53.6	H	16.0	55.5	-1.9	20.4	74
21922.750000	53.7	H	0.0	55.2	-1.5	20.3	74
24838.250000	52.7	H	355.0	52.4	0.3	21.3	74
26476.625000	54.1	H	256.0	53.0	1.1	19.9	74

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

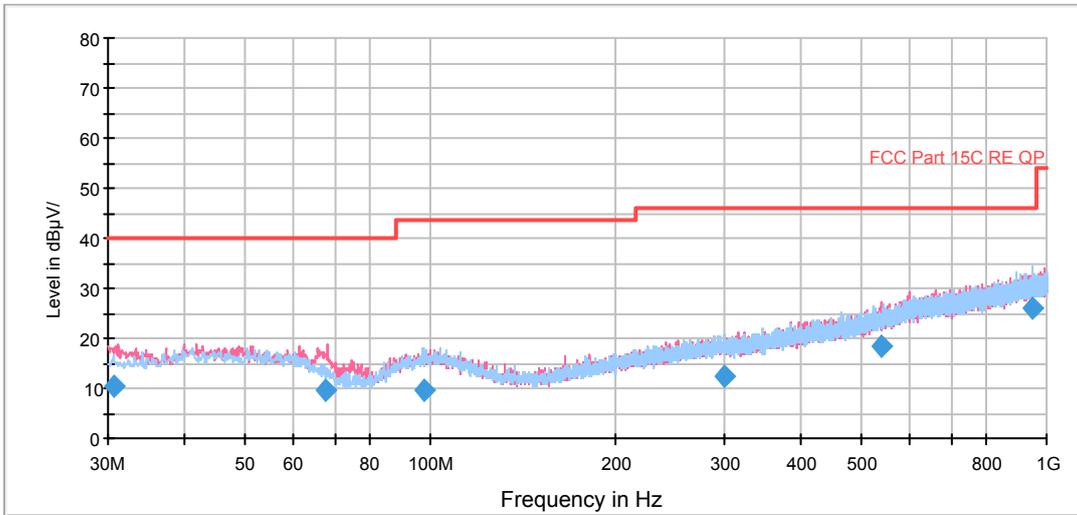
Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18965.812500	40.6	V	248.0	40.7	-0.1	13.4	54
19471.562500	41.2	H	187.0	41.1	0.1	12.8	54
21815.437500	42.0	H	339.0	44.0	-2.0	12.0	54
23160.562500	42.8	V	1.0	42.9	-0.1	11.2	54
24843.562500	42.1	V	121.0	41.8	0.3	11.9	54
26491.500000	43.2	H	228.0	42.1	1.1	10.8	54

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



802.11n (HT20) CH6

FCC RE 0.03-1GHz QP Class B

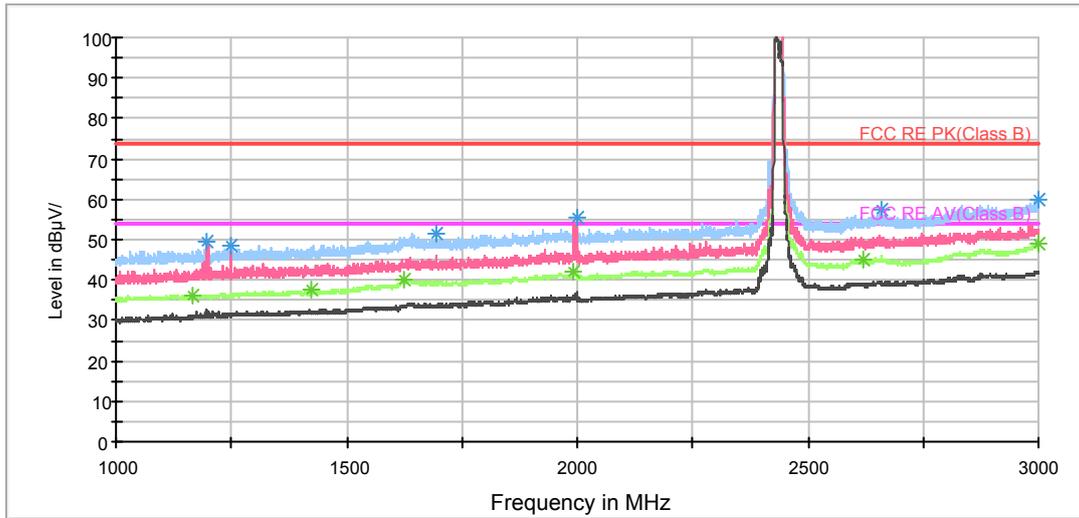


Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
30.612500	10.4	100.0	V	0.0	-1.7	12.1	29.6	40.0
67.592500	9.5	100.0	V	309.0	0.0	9.5	30.5	40.0
97.533750	9.5	125.0	H	288.0	-3.4	12.9	34.0	43.5
301.110000	12.5	125.0	H	256.0	-3.3	15.8	33.5	46.0
537.880000	18.4	125.0	V	0.0	-3.0	21.4	27.6	46.0
947.255000	25.9	125.0	H	100.0	-1.3	27.2	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-3GHz PK+AV



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

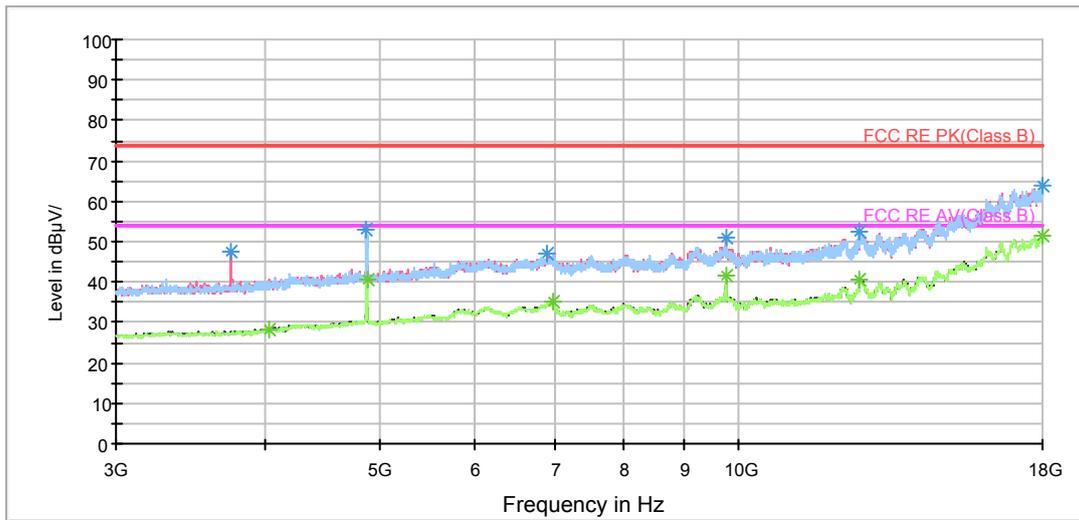
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1197.750000	49.4	105.0	V	255.0	54.6	-5.2	24.6	74
1246.750000	48.7	205.0	H	0.0	53.7	-5.0	25.3	74
1693.250000	51.6	205.0	H	38.0	53.6	-2.0	22.4	74
1998.000000	55.3	105.0	V	255.0	55.7	-0.4	18.7	74
2660.250000	57.6	205.0	H	30.0	54.2	3.4	16.4	74
2999.500000	60.1	205.0	H	23.0	54.8	5.3	13.9	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)
1165.000000	36.2	205.0	H	1.0	41.4	-5.2	17.8	54
1424.000000	37.5	205.0	H	0.0	41.4	-3.9	16.5	54
1623.250000	40.2	205.0	H	0.0	42.0	-1.8	13.8	54
1993.000000	41.9	205.0	H	0.0	42.2	-0.3	12.1	54
2621.750000	45.1	205.0	H	30.0	42.2	2.9	8.9	54
2999.500000	48.9	205.0	H	23.0	43.6	5.3	5.1	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

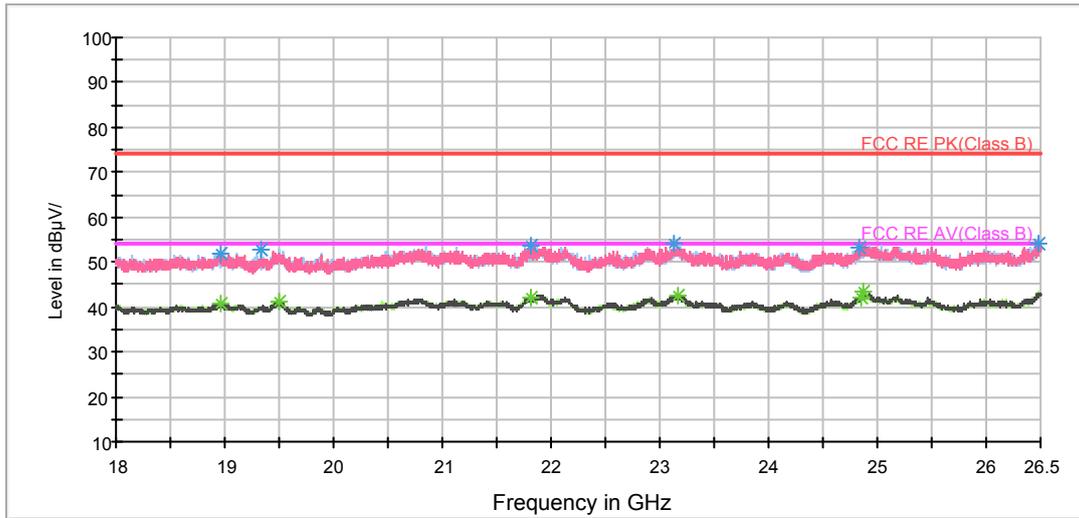
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3744.375000	47.6	202.0	V	268.0	49.3	-1.7	26.4	74
4871.250000	53.1	102.0	H	177.0	51.3	1.8	20.9	74
6903.750000	46.8	202.0	V	176.0	40.5	6.3	27.2	74
9748.125000	50.8	102.0	V	298.0	41.0	9.8	23.2	74
12630.000000	52.5	102.0	V	184.0	39.1	13.4	21.5	74
18000.000000	63.8	102.0	V	298.0	38.3	25.5	10.2	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)
4033.125000	28.2	102.0	H	0.0	29.3	-1.1	25.8	54
4873.125000	40.5	102.0	H	177.0	38.7	1.8	13.5	54
6993.750000	34.9	102.0	H	85.0	28.4	6.5	19.1	54
9748.125000	41.5	102.0	H	223.0	31.7	9.8	12.5	54
12643.125000	40.6	202.0	V	0.0	26.2	14.4	13.4	54
17998.125000	51.4	102.0	H	40.0	26.0	25.4	2.6	54

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

BELL_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)
18961.562500	51.8	V	7.0	51.8	0.0	22.2	74
19340.875000	52.7	H	307.0	52.9	-0.2	21.3	74
21805.875000	53.6	V	78.0	55.7	-2.1	20.4	74
23135.062500	54.1	H	92.0	54.2	-0.1	19.9	74
24838.250000	53.1	V	178.0	52.8	0.3	20.9	74
26490.437500	54.0	V	255.0	52.9	1.1	20.0	74

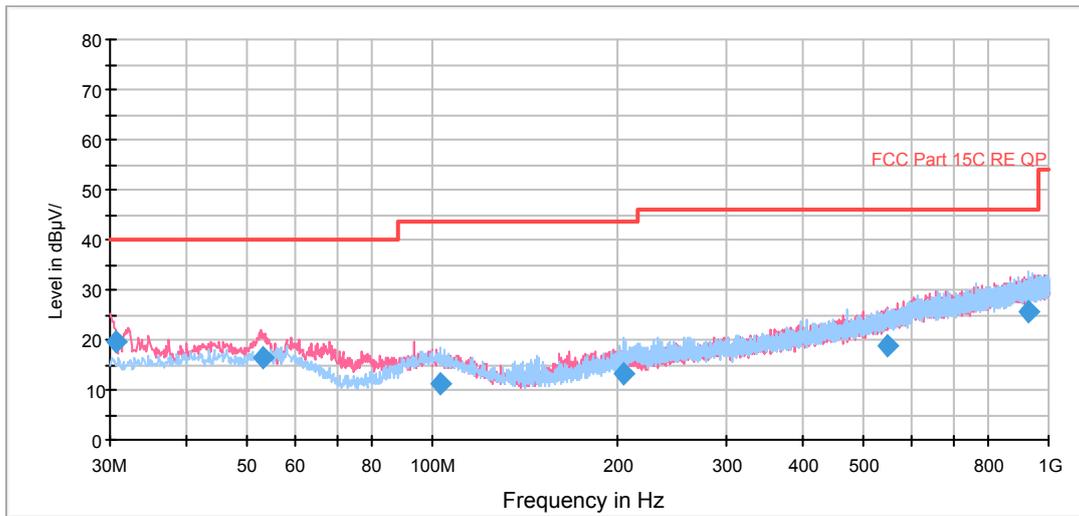
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18959.437500	40.7	V	7.0	40.7	0.0	13.3	54
19504.500000	41.2	V	255.0	41.1	0.1	12.8	54
21818.625000	42.1	V	78.0	44.1	-2.0	11.9	54
23161.625000	42.7	H	348.0	42.8	-0.1	11.3	54
24843.562500	42.2	H	357.0	41.9	0.3	11.8	54
24873.312500	43.2	H	357.0	42.7	0.5	10.8	54

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

802.11n (HT20) CH11

FCC RE 0.03-1GHz QP Class B

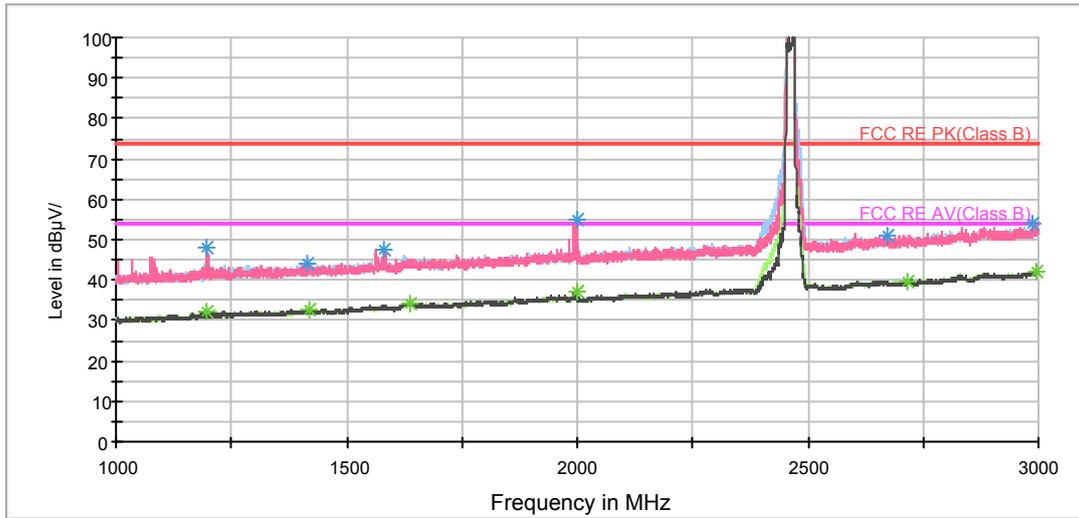


Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
30.600000	19.6	100.0	V	320.0	7.5	12.1	20.4	40.0
53.326250	16.4	100.0	V	326.0	3.6	12.8	23.6	40.0
102.952500	11.0	125.0	H	50.0	-2.0	13.0	32.5	43.5
204.397500	13.1	125.0	H	0.0	0.9	12.2	30.4	43.5
548.995000	18.6	114.0	V	0.0	-3.0	21.6	27.4	46.0
927.851250	25.6	125.0	H	22.0	-1.4	27.0	20.4	46.0

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

RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

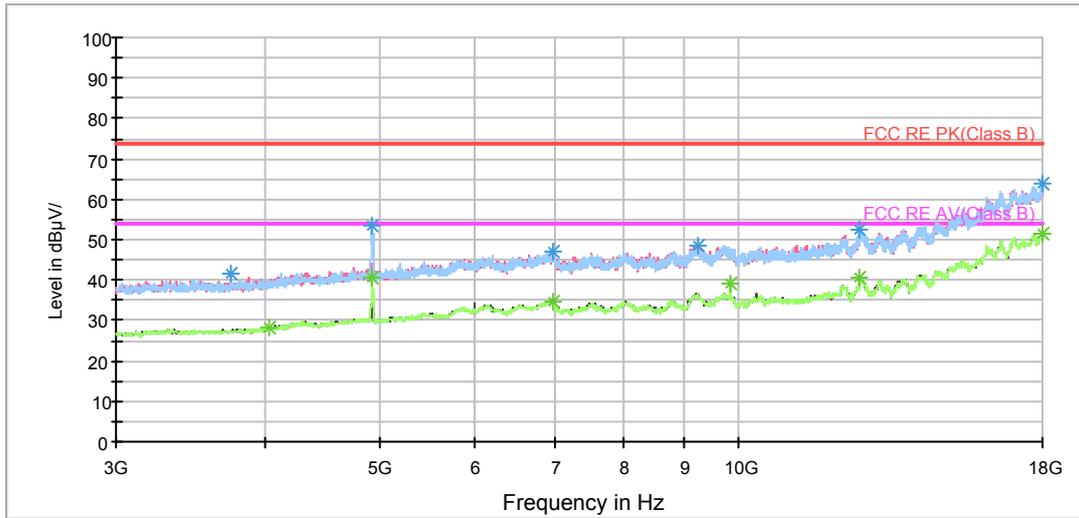
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1196.500000	48.3	105.0	H	248.0	53.5	-5.2	25.7	74
1413.500000	43.9	105.0	H	0.0	47.9	-4.0	30.1	74
1580.250000	47.7	205.0	V	243.0	51.0	-3.3	26.3	74
1999.500000	55.0	105.0	V	252.0	55.4	-0.4	19.0	74
2674.250000	51.0	205.0	H	118.0	47.8	3.2	23.0	74
2985.750000	54.1	205.0	V	344.0	48.9	5.2	19.9	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)
1196.500000	32.3	105.0	V	279.0	37.5	-5.2	21.7	54
1418.750000	32.6	105.0	H	241.0	36.5	-3.9	21.4	54
1636.250000	34.3	105.0	H	314.0	36.0	-1.7	19.7	54
1999.000000	36.9	105.0	V	234.0	37.3	-0.4	17.1	54
2715.250000	39.7	205.0	H	0.0	36.5	3.2	14.3	54
2993.750000	42.2	205.0	V	359.0	37.0	5.2	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

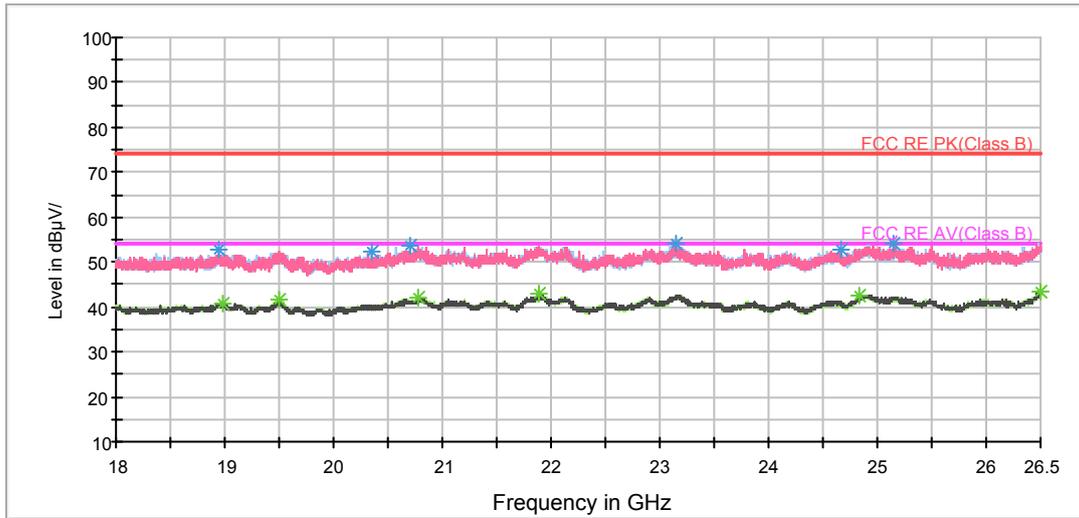
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3742.500000	41.4	202.0	H	117.0	43.1	-1.7	32.6	74
4920.000000	53.5	102.0	H	126.0	51.6	1.9	20.5	74
6986.250000	47.1	202.0	V	40.0	40.7	6.4	26.9	74
9234.375000	48.5	102.0	V	0.0	38.6	9.9	25.5	74
12639.375000	52.3	202.0	V	0.0	37.8	14.5	21.7	74
18000.000000	63.7	202.0	V	18.0	38.2	25.5	10.3	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)
4031.250000	28.3	102.0	H	58.0	29.4	-1.1	25.7	54
4923.750000	40.5	102.0	H	171.0	38.6	1.9	13.5	54
6993.750000	34.7	102.0	H	0.0	28.2	6.5	19.3	54
9847.500000	39.0	102.0	V	300.0	28.7	10.3	15.0	54
12639.375000	40.5	202.0	V	0.0	26.0	14.5	13.5	54
18000.000000	51.4	102.0	H	0.0	25.9	25.5	2.6	54

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

BELL_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)
18947.750000	52.7	H	303.0	52.7	0.0	21.3	74
20351.312500	52.2	H	252.0	53.2	-1.0	21.8	74
20705.125000	53.5	H	186.0	54.9	-1.4	20.5	74
23155.250000	54.3	V	114.0	54.4	-0.1	19.7	74
24664.000000	52.9	V	41.0	53.1	-0.2	21.1	74
25152.750000	54.2	V	0.0	53.5	0.7	19.8	74

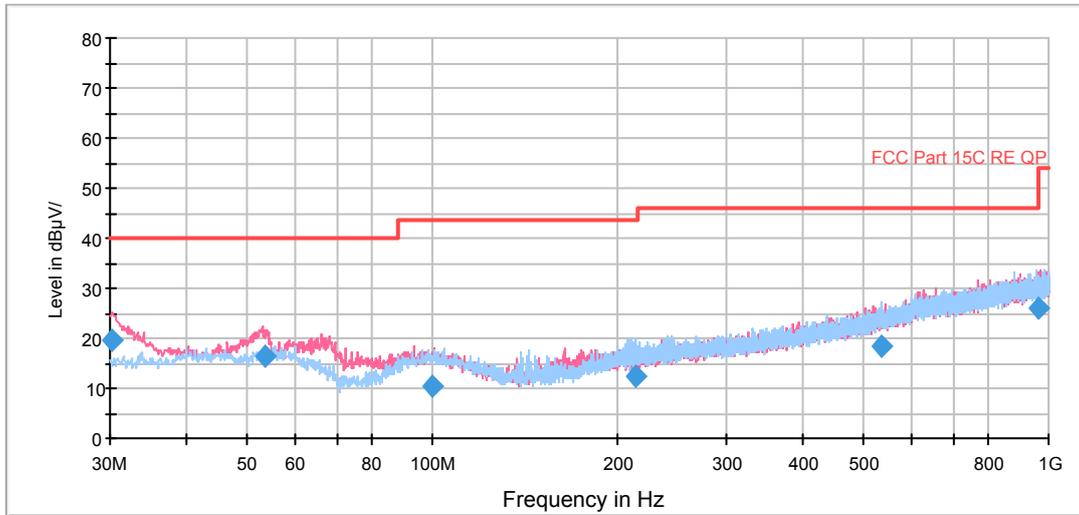
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18977.500000	40.8	V	24.0	40.9	-0.1	13.2	54
19507.687500	41.4	H	252.0	41.3	0.1	12.6	54
20781.625000	42.0	V	233.0	43.8	-1.8	12.0	54
21893.000000	42.8	H	252.0	44.4	-1.6	11.2	54
24835.062500	42.3	V	97.0	42.0	0.3	11.7	54
26495.750000	43.4	V	97.0	42.3	1.1	10.6	54

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

802.11n (HT40) CH3

FCC RE 0.03-1GHz QP Class B

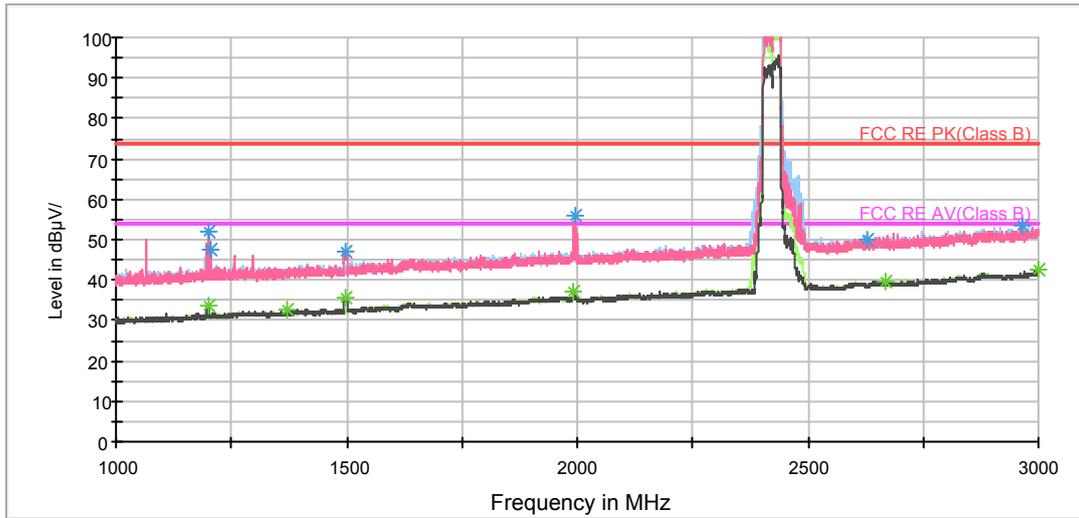


Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
30.200000	19.7	100.0	V	0.0	7.6	12.1	20.3	40.0
53.407500	16.4	100.0	V	273.0	3.6	12.8	23.6	40.0
100.210000	10.4	125.0	V	0.0	-2.8	13.2	33.1	43.5
214.581250	12.3	125.0	H	320.0	-0.4	12.7	31.2	43.5
535.255000	18.3	125.0	H	17.0	-3.1	21.4	27.7	46.0
959.538750	26.2	114.0	H	22.0	-1.2	27.4	19.8	46.0

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

RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

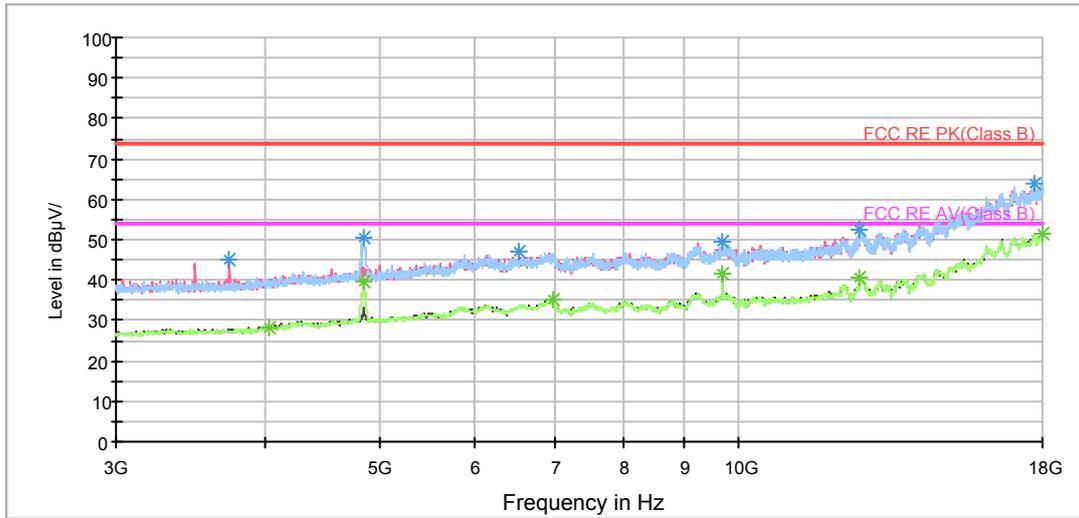
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1199.500000	52.0	105.0	V	259.0	57.2	-5.2	22.0	74
1206.750000	47.4	105.0	V	45.0	52.5	-5.1	26.6	74
1496.250000	46.9	105.0	V	170.0	50.6	-3.7	27.1	74
1994.750000	55.8	105.0	V	241.0	56.0	-0.2	18.2	74
2630.250000	50.2	105.0	H	356.0	47.3	2.9	23.8	74
2963.750000	53.4	105.0	V	149.0	48.3	5.1	20.6	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)
1199.500000	33.6	105.0	V	259.0	38.8	-5.2	20.4	54
1369.750000	32.6	105.0	V	112.0	36.8	-4.2	21.4	54
1498.750000	35.8	105.0	V	170.0	39.5	-3.7	18.2	54
1992.500000	37.1	105.0	V	241.0	37.4	-0.3	16.9	54
2669.250000	39.6	105.0	H	0.0	36.3	3.3	14.4	54
2998.250000	42.4	205.0	H	18.0	37.1	5.3	11.6	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

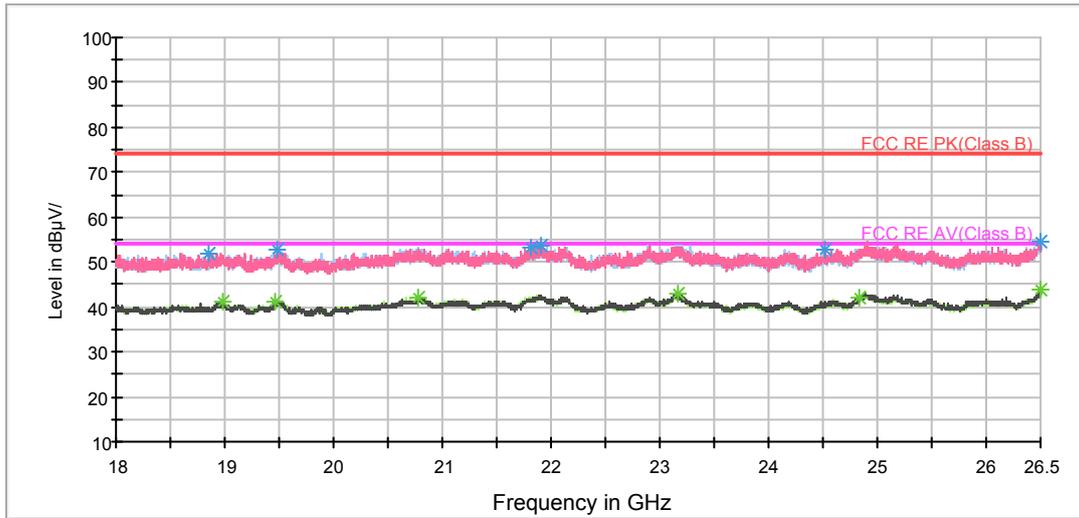
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3736.875000	44.8	202.0	V	0.0	46.5	-1.7	29.2	74
4843.125000	50.7	102.0	H	197.0	49.1	1.6	23.3	74
6543.750000	47.0	102.0	H	0.0	41.6	5.4	27.0	74
9688.125000	49.3	202.0	V	18.0	39.8	9.5	24.7	74
12650.625000	52.7	202.0	V	0.0	38.6	14.1	21.3	74
17716.875000	64.0	102.0	H	0.0	39.4	24.6	10.0	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)
4036.875000	28.2	102.0	H	0.0	29.2	-1.0	25.8	54
4843.125000	39.8	102.0	H	197.0	38.2	1.6	14.2	54
6997.500000	34.9	102.0	V	44.0	28.4	6.5	19.1	54
9688.125000	41.6	102.0	V	282.0	32.1	9.5	12.4	54
12643.125000	40.5	102.0	H	151.0	26.1	14.4	13.5	54
17998.125000	51.5	102.0	H	0.0	26.1	25.4	2.5	54

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

BELL_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)
18860.625000	52.0	V	21.0	51.9	0.1	22.0	74
19475.812500	52.7	H	160.0	52.6	0.1	21.3	74
21809.062500	53.3	V	325.0	55.3	-2.0	20.7	74
21911.062500	53.9	V	63.0	55.4	-1.5	20.1	74
24511.000000	52.8	V	170.0	53.0	-0.2	21.2	74
26500.000000	54.6	H	219.0	53.5	1.1	19.4	74

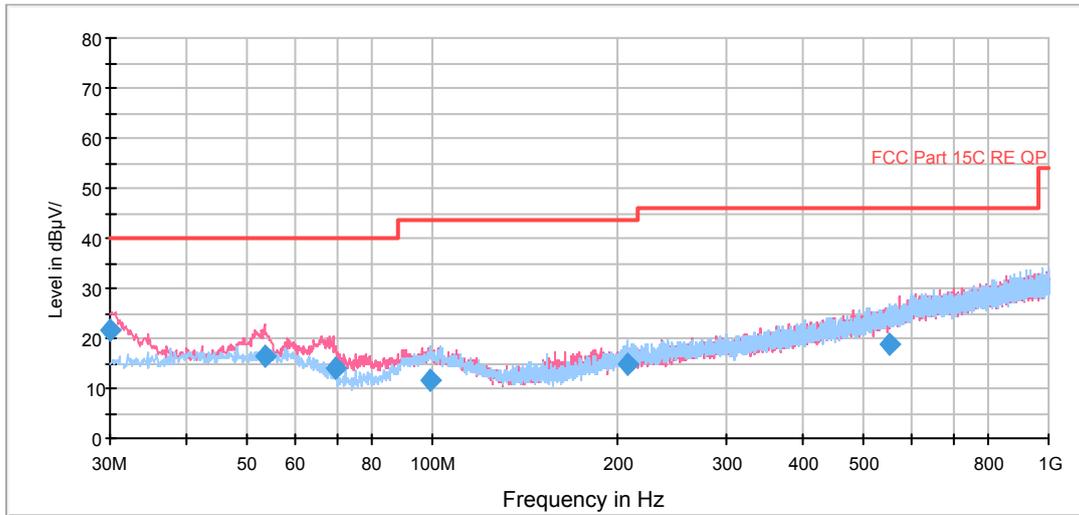
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18974.312500	41.0	V	187.0	41.1	-0.1	13.0	54
19467.312500	41.3	V	0.0	41.2	0.1	12.7	54
20779.500000	42.1	H	319.0	43.9	-1.8	11.9	54
23169.062500	42.9	V	46.0	43.0	-0.1	11.1	54
24835.062500	42.0	V	289.0	41.7	0.3	12.0	54
26496.812500	43.8	V	96.0	42.7	1.1	10.2	54

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

802.11n (HT40) CH6

FCC RE 0.03-1GHz QP Class B

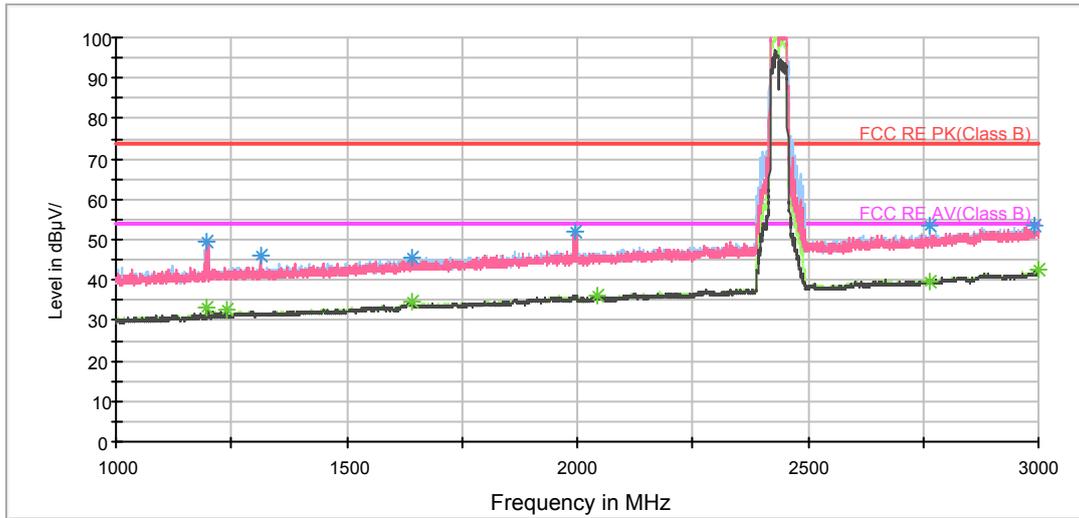


Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
30.086250	21.5	100.0	V	310.0	9.4	12.1	18.5	40.0
53.486250	16.4	100.0	V	336.0	3.6	12.8	23.6	40.0
69.605000	14.2	100.0	V	233.0	5.5	8.7	25.8	40.0
98.992500	11.8	125.0	H	216.0	-1.4	13.2	31.7	43.5
207.302500	14.9	125.0	H	352.0	2.5	12.4	28.6	43.5
553.758750	18.7	125.0	H	62.0	-3.0	21.7	27.3	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

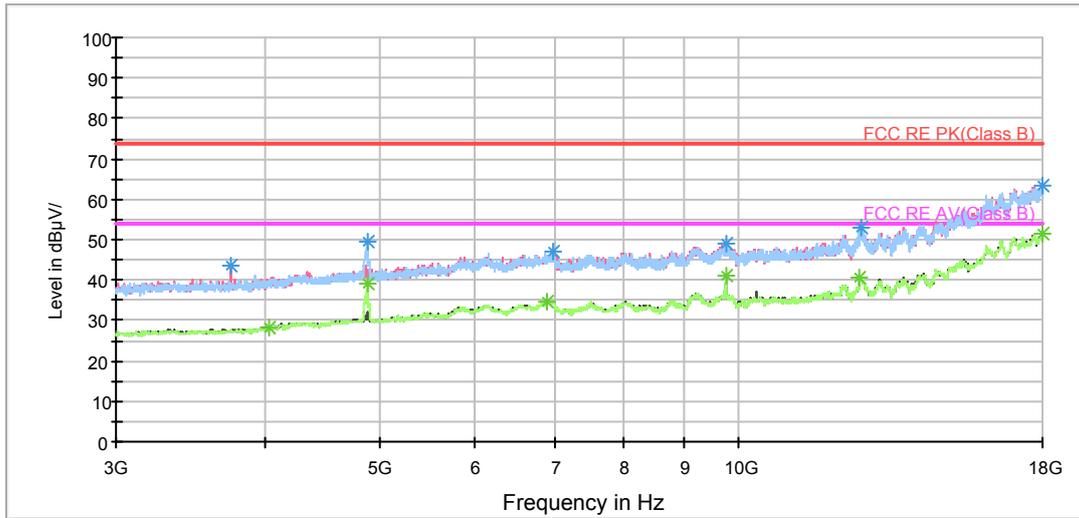
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1194.500000	49.6	105.0	V	258.0	54.8	-5.2	24.4	74
1312.250000	46.3	205.0	V	308.0	50.9	-4.6	27.7	74
1643.000000	45.6	205.0	H	76.0	47.4	-1.8	28.4	74
1994.500000	51.8	105.0	V	281.0	52.0	-0.2	22.2	74
2763.250000	53.2	205.0	H	83.0	49.3	3.9	20.8	74
2991.000000	53.3	105.0	V	7.0	48.1	5.2	20.7	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)
1196.000000	33.2	105.0	V	258.0	38.4	-5.2	20.8	54
1241.750000	32.6	105.0	V	124.0	37.6	-5.0	21.4	54
1643.750000	34.5	105.0	V	29.0	36.3	-1.8	19.5	54
2044.250000	36.1	105.0	H	0.0	36.3	-0.2	17.9	54
2763.250000	39.6	205.0	H	83.0	35.7	3.9	14.4	54
2998.750000	42.4	205.0	H	0.0	37.1	5.3	11.6	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

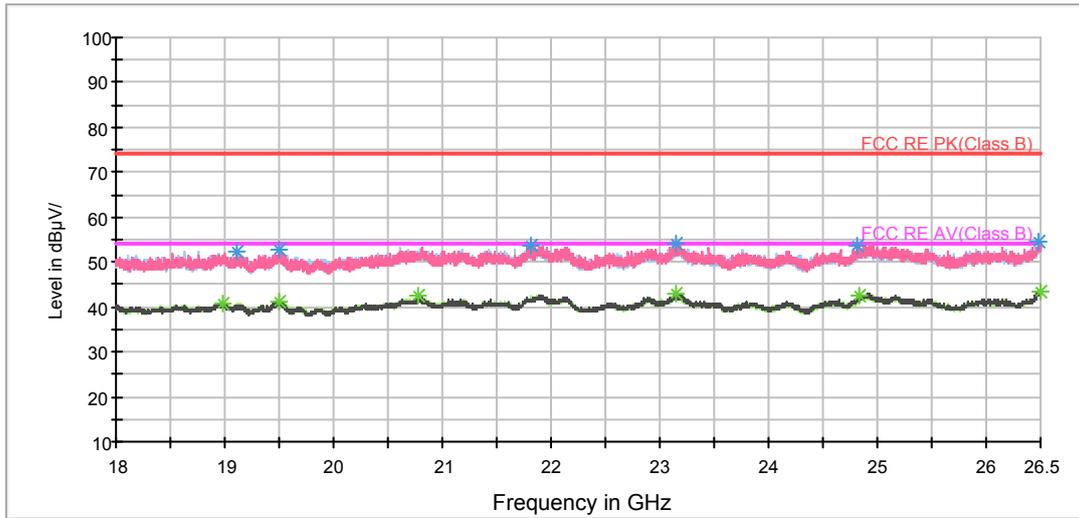
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3742.500000	43.4	202.0	V	40.0	45.1	-1.7	30.6	74
4873.125000	49.7	101.0	H	200.0	47.9	1.8	24.3	74
6976.875000	46.8	101.0	H	223.0	40.5	6.3	27.2	74
9748.125000	49.0	202.0	H	274.0	39.2	9.8	25.0	74
12654.375000	52.9	202.0	H	0.0	38.9	14.0	21.1	74
17996.250000	63.3	101.0	H	223.0	37.9	25.4	10.7	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)
4036.875000	28.2	202.0	V	0.0	29.2	-1.0	25.8	54
4873.125000	39.3	101.0	H	200.0	37.5	1.8	14.7	54
6909.375000	34.9	101.0	H	108.0	28.7	6.2	19.1	54
9748.125000	40.9	101.0	H	246.0	31.1	9.8	13.1	54
12643.125000	40.7	202.0	V	40.0	26.3	14.4	13.3	54
18000.000000	51.5	202.0	V	18.0	26.0	25.5	2.5	54

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

BELL_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)
19110.312500	52.2	V	146.0	52.8	-0.6	21.8	74
19504.500000	52.7	H	325.0	52.6	0.1	21.3	74
21811.187500	53.8	H	108.0	55.8	-2.0	20.2	74
23156.312500	54.3	H	0.0	54.4	-0.1	19.7	74
24817.000000	53.7	V	104.0	53.5	0.2	20.3	74
26489.375000	54.5	H	243.0	53.4	1.1	19.5	74

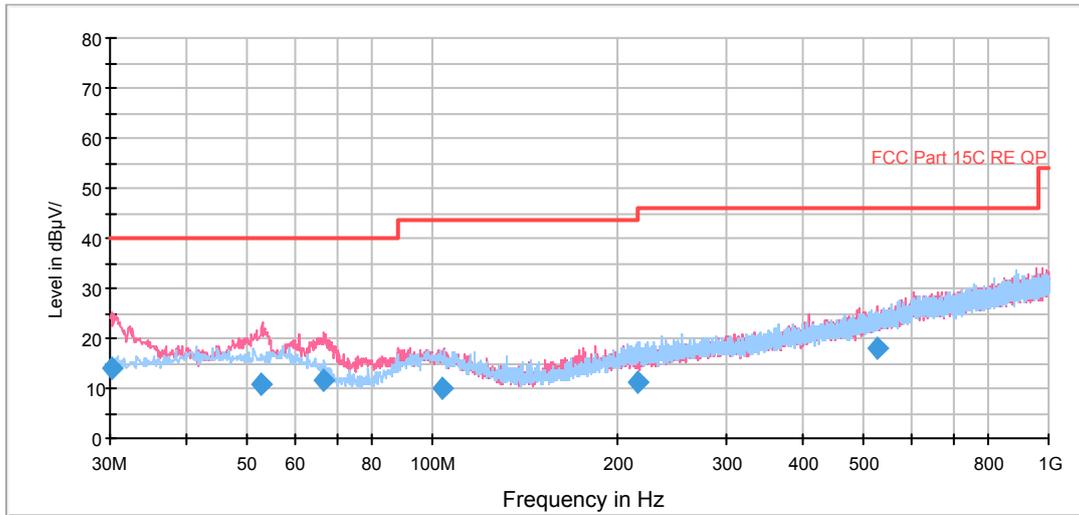
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
18990.250000	40.9	V	121.0	41.0	-0.1	13.1	54
19508.750000	41.4	H	308.0	41.3	0.1	12.6	54
20781.625000	42.4	H	291.0	44.2	-1.8	11.6	54
23156.312500	42.8	H	0.0	42.9	-0.1	11.2	54
24840.375000	42.3	H	134.0	42.0	0.3	11.7	54
26498.937500	43.6	H	299.0	42.5	1.1	10.4	54

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

802.11n (HT40) CH9

FCC RE 0.03-1GHz QP Class B

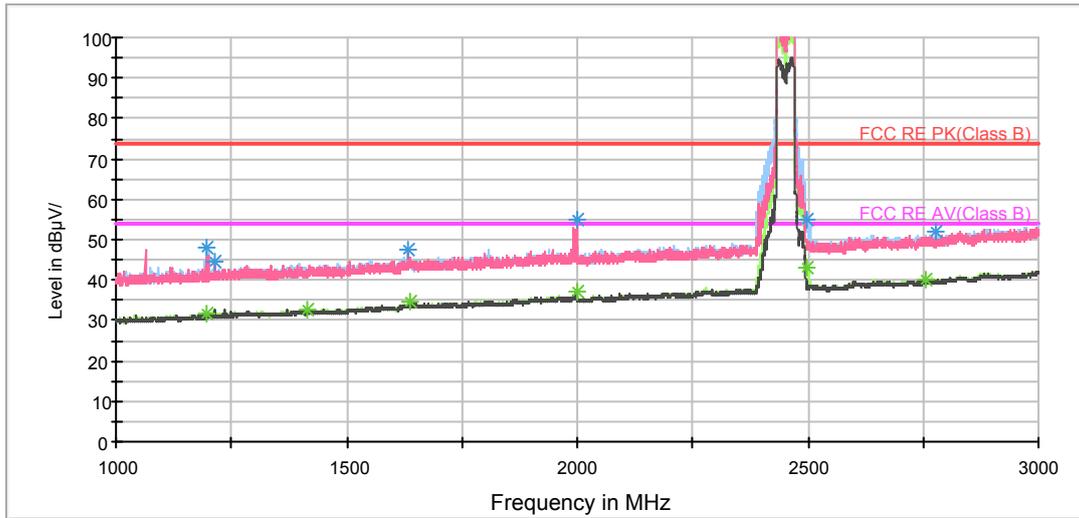


Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
30.120000	14.2	100.0	V	0.0	2.1	12.1	25.8	40.0
52.797500	10.7	100.0	V	301.0	-2.3	13.0	29.3	40.0
66.738750	11.4	100.0	V	261.0	1.4	10.0	28.6	40.0
103.726250	9.9	125.0	V	22.0	-3.0	12.9	33.6	43.5
214.663750	11.1	100.0	H	0.0	-1.7	12.8	32.4	43.5
527.572500	18.1	100.0	V	140.0	-3.1	21.2	27.9	46.0

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

RE 1G-3GHz PK+AV



Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

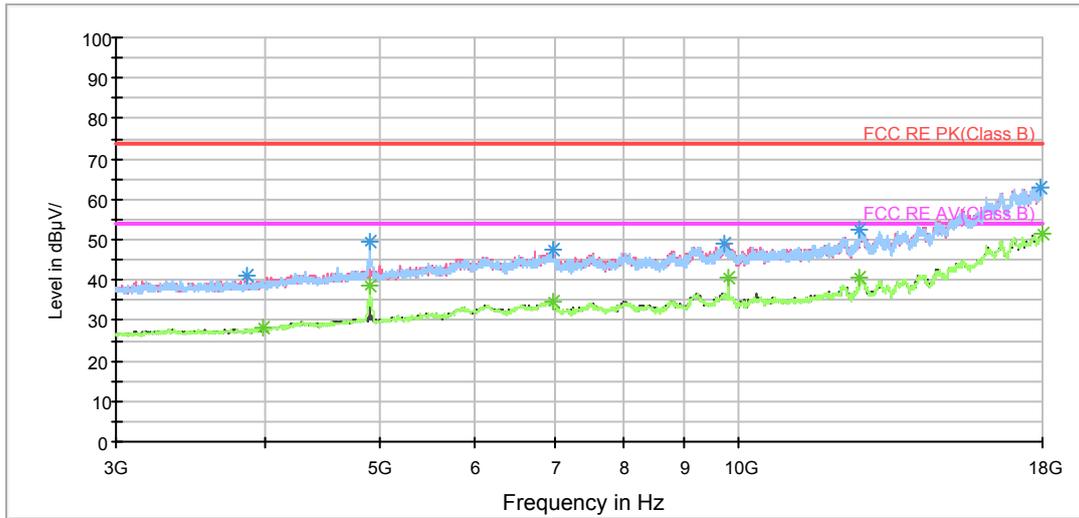
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1197.500000	48.3	105.0	H	281.0	53.5	-5.2	25.7	74
1215.750000	44.3	205.0	V	114.0	49.2	-4.9	29.7	74
1633.250000	47.3	105.0	V	106.0	49.0	-1.7	26.7	74
1998.250000	54.9	105.0	V	261.0	55.3	-0.4	19.1	74
2498.250000	54.8	205.0	H	166.0	51.9	2.9	19.2	74
2776.500000	52.0	205.0	H	27.0	48.2	3.8	22.0	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)
1197.000000	31.9	105.0	H	281.0	37.1	-5.2	22.1	54
1416.000000	32.9	105.0	H	0.0	36.9	-4.0	21.1	54
1638.500000	34.4	205.0	H	93.0	36.1	-1.7	19.6	54
1998.250000	37.1	105.0	V	261.0	37.5	-0.4	16.9	54
2499.000000	43.3	205.0	H	13.0	40.4	2.9	10.7	54
2755.000000	40.0	205.0	H	56.0	36.1	3.9	14.0	54

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

RE 3-18GHz PK+AV



Radiates Emission from 3GHz to 18GHz

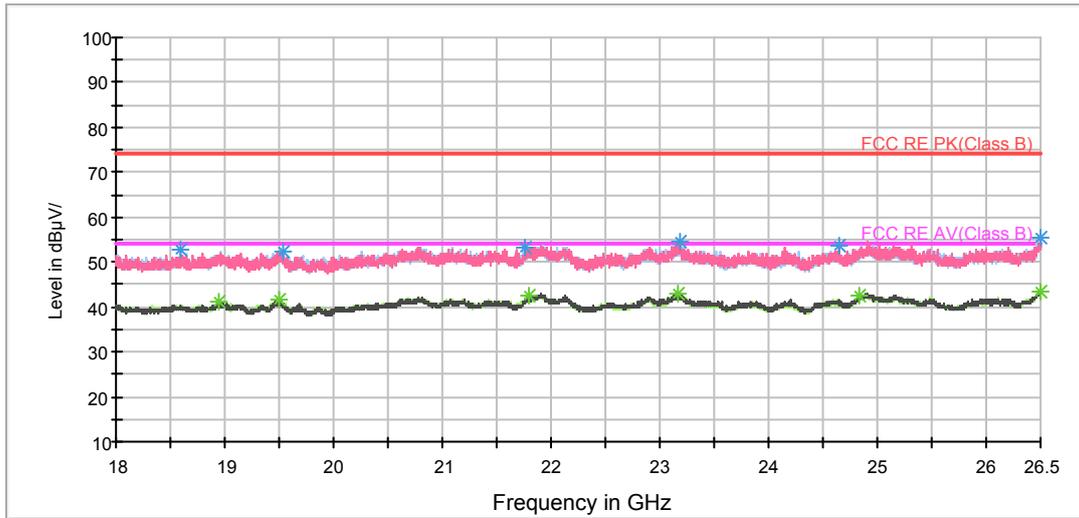
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3866.250000	40.9	202.0	V	37.0	42.4	-1.5	33.1	74
4903.125000	49.4	101.0	H	199.0	47.5	1.9	24.6	74
6988.125000	47.4	101.0	H	199.0	41.0	6.4	26.6	74
9736.875000	48.8	101.0	H	0.0	38.9	9.9	25.2	74
12635.625000	52.5	101.0	H	293.0	38.4	14.1	21.5	74
17921.250000	63.0	101.0	V	323.0	37.3	25.7	11.0	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3990.000000	28.2	101.0	V	0.0	29.2	-1.0	25.8	54
4903.125000	38.7	101.0	H	199.0	36.8	1.9	15.3	54
6997.500000	34.9	101.0	V	0.0	28.4	6.5	19.1	54
9808.125000	40.6	101.0	V	279.0	30.7	9.9	13.4	54
12643.125000	40.5	101.0	V	256.0	26.1	14.4	13.5	54
18000.000000	51.3	101.0	H	107.0	25.8	25.5	2.7	54

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

BELL_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)
18592.875000	52.6	H	122.0	52.4	0.2	21.4	74
19533.187500	52.2	H	0.0	52.2	0.0	21.8	74
21764.437500	53.2	H	0.0	55.5	-2.3	20.8	74
23187.125000	54.7	V	14.0	54.8	-0.1	19.3	74
24644.875000	53.8	V	0.0	54.0	-0.2	20.2	74
26492.562500	55.4	V	0.0	54.3	1.1	18.6	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)
18949.875000	41.0	H	326.0	41.0	0.0	13.0	54
19505.562500	41.5	H	309.0	41.4	0.1	12.5	54
21792.062500	42.3	H	250.0	44.4	-2.1	11.7	54
23160.562500	43.1	V	88.0	43.2	-0.1	10.9	54
24840.375000	42.4	H	284.0	42.1	0.3	11.6	54
26498.937500	43.5	H	334.0	42.4	1.1	10.5	54

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

5.8. Conducted Emission

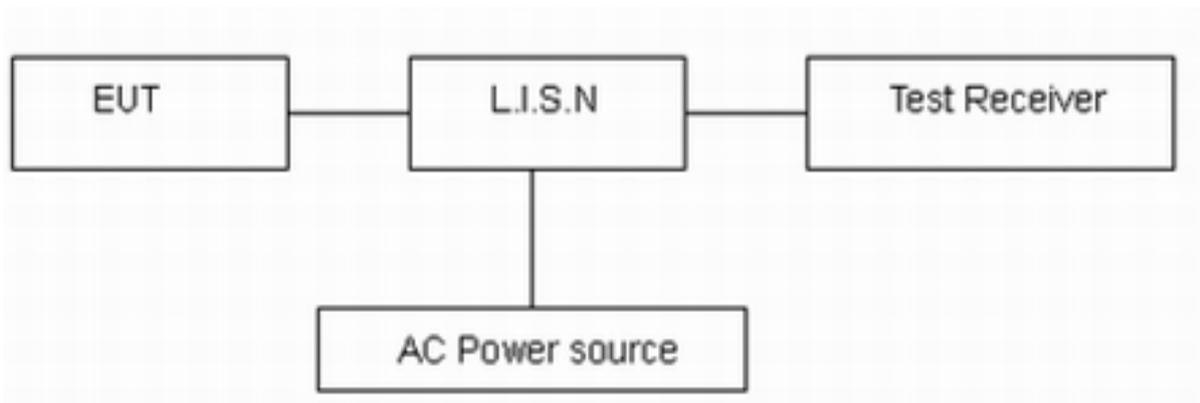
Ambient condition

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:

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

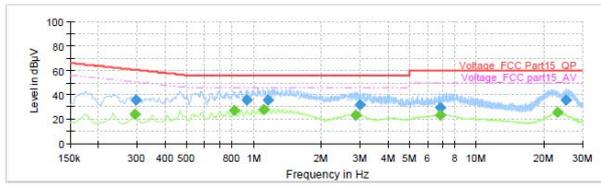
SISO Antenna 2

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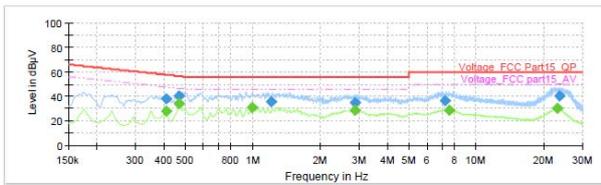
802.11b, Channel No.: 11

L Line



Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.291750	---	23.90	50.47	26.58	1000.0	9.000	L1	ON	19.2
0.294000	35.81	---	60.41	24.60	1000.0	9.000	L1	ON	19.2
0.818250	---	27.06	46.00	18.94	1000.0	9.000	L1	ON	19.2
0.926250	35.97	---	56.00	20.03	1000.0	9.000	L1	ON	19.2
1.106250	---	27.65	46.00	18.35	1000.0	9.000	L1	ON	19.2
1.153500	35.54	---	56.00	20.46	1000.0	9.000	L1	ON	19.2
2.861250	---	23.49	46.00	22.51	1000.0	9.000	L1	ON	19.0
2.994000	31.91	---	56.00	24.09	1000.0	9.000	L1	ON	19.1
6.859500	29.68	---	60.00	30.32	1000.0	9.000	L1	ON	19.2
6.902250	---	23.33	50.00	26.67	1000.0	9.000	L1	ON	19.2
23.136000	---	25.58	50.00	24.42	1000.0	9.000	L1	ON	19.6
25.197000	35.62	---	60.00	24.38	1000.0	9.000	L1	ON	19.8

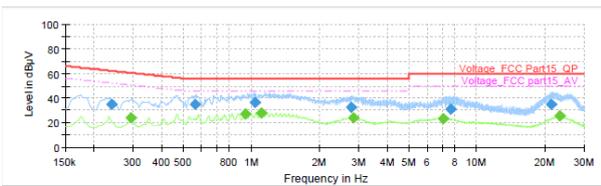
N Line



Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.408750	---	28.29	47.67	19.38	1000.0	9.000	N	ON	19.2
0.408750	37.71	---	57.67	19.97	1000.0	9.000	N	ON	19.2
0.467250	---	33.77	46.56	12.80	1000.0	9.000	N	ON	19.2
0.467250	40.20	---	56.56	16.36	1000.0	9.000	N	ON	19.2
0.991500	---	31.12	46.00	14.88	1000.0	9.000	N	ON	19.2
1.214250	35.71	---	56.00	20.29	1000.0	9.000	N	ON	19.2
2.850000	---	28.67	46.00	17.33	1000.0	9.000	N	ON	19.0
2.868000	34.76	---	56.00	21.24	1000.0	9.000	N	ON	19.1
7.289250	36.13	---	60.00	23.87	1000.0	9.000	N	ON	19.2
7.613250	---	28.46	50.00	21.54	1000.0	9.000	N	ON	19.2
23.095500	---	30.24	50.00	19.76	1000.0	9.000	N	ON	19.5
23.680500	40.66	---	60.00	19.34	1000.0	9.000	N	ON	19.6

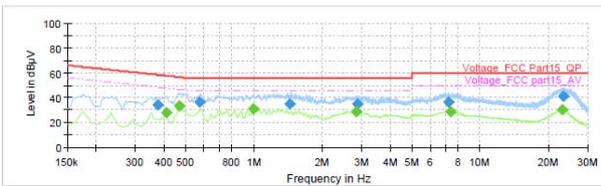
802.11g, Channel No.: 1

L Line



Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.240000	34.55	---	62.10	27.54	1000.0	9.000	L1	ON	19.1
0.291750	---	23.96	50.47	26.51	1000.0	9.000	L1	ON	19.2
0.599500	35.24	---	56.00	20.76	1000.0	9.000	L1	ON	19.3
0.935250	---	27.08	46.00	18.92	1000.0	9.000	L1	ON	19.2
1.041000	36.17	---	56.00	19.83	1000.0	9.000	L1	ON	19.2
1.108500	---	27.64	46.00	18.36	1000.0	9.000	L1	ON	19.2
2.784750	32.24	---	56.00	23.76	1000.0	9.000	L1	ON	19.0
2.847750	---	23.72	46.00	22.28	1000.0	9.000	L1	ON	19.0
7.068750	---	23.38	50.00	26.62	1000.0	9.000	L1	ON	19.2
7.640250	31.31	---	60.00	28.69	1000.0	9.000	L1	ON	19.2
21.369750	34.69	---	60.00	25.31	1000.0	9.000	L1	ON	19.6
23.433000	---	25.43	50.00	24.57	1000.0	9.000	L1	ON	19.7

N Line

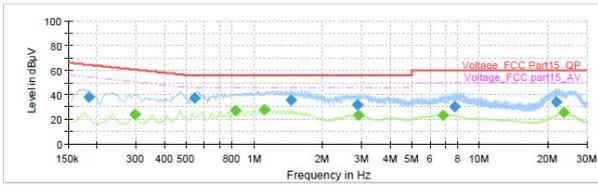


Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.377250	34.14	---	58.34	24.20	1000.0	9.000	N	ON	19.2
0.408750	---	28.17	47.67	19.50	1000.0	9.000	N	ON	19.2
0.467250	---	33.70	46.56	12.86	1000.0	9.000	N	ON	19.2
0.575250	36.78	---	56.00	19.22	1000.0	9.000	N	ON	19.3
0.991500	---	31.20	46.00	14.80	1000.0	9.000	N	ON	19.2
1.434750	34.87	---	56.00	21.13	1000.0	9.000	N	ON	19.2
2.845500	---	28.83	46.00	17.17	1000.0	9.000	N	ON	19.0
2.861250	35.07	---	56.00	20.93	1000.0	9.000	N	ON	19.0
7.233000	36.23	---	60.00	23.77	1000.0	9.000	N	ON	19.2
7.440000	---	28.55	50.00	21.45	1000.0	9.000	N	ON	19.2
23.016750	---	30.27	50.00	19.73	1000.0	9.000	N	ON	19.5
23.412750	41.03	---	60.00	18.97	1000.0	9.000	N	ON	19.6



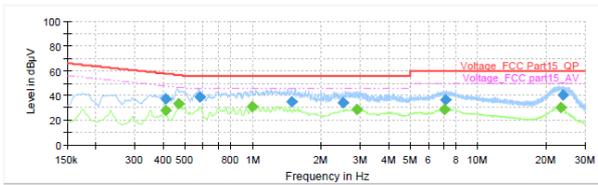
802.11g, Channel No.: 6

L Line



Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.183750	38.13	---	64.31	26.18	1000.0	9.000	L1	ON	19.2
0.294000	---	23.94	50.41	26.48	1000.0	9.000	L1	ON	19.2
0.543750	37.13	---	56.00	18.87	1000.0	9.000	L1	ON	19.2
0.820500	---	26.87	46.00	19.13	1000.0	9.000	L1	ON	19.2
1.113000	---	27.58	46.00	18.42	1000.0	9.000	L1	ON	19.2
1.461750	35.80	---	56.00	20.20	1000.0	9.000	L1	ON	19.2
2.865750	32.12	---	56.00	23.88	1000.0	9.000	L1	ON	19.1
2.881500	---	23.30	46.00	22.70	1000.0	9.000	L1	ON	19.1
6.843750	---	23.57	50.00	26.43	1000.0	9.000	L1	ON	19.2
7.712250	30.48	---	60.00	29.52	1000.0	9.000	L1	ON	19.2
21.876000	34.41	---	60.00	25.59	1000.0	9.000	L1	ON	19.5
23.694000	---	25.37	50.00	24.63	1000.0	9.000	L1	ON	19.7

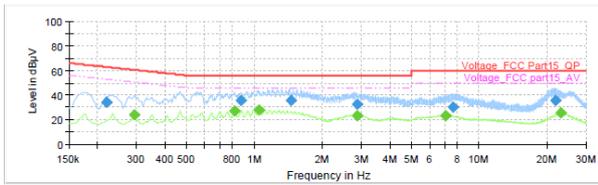
N Line



Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.408750	---	28.24	47.67	19.43	1000.0	9.000	N	ON	19.2
0.411000	37.46	---	57.63	20.17	1000.0	9.000	N	ON	19.2
0.467250	---	33.72	46.56	12.85	1000.0	9.000	N	ON	19.2
0.579750	38.76	---	56.00	17.24	1000.0	9.000	N	ON	19.3
0.993750	---	31.24	46.00	14.76	1000.0	9.000	N	ON	19.2
1.488750	34.76	---	56.00	21.24	1000.0	9.000	N	ON	19.2
2.510250	34.26	---	56.00	21.74	1000.0	9.000	N	ON	19.0
2.883750	---	28.59	46.00	17.41	1000.0	9.000	N	ON	19.1
7.071000	---	28.30	50.00	21.70	1000.0	9.000	N	ON	19.2
7.147500	36.73	---	60.00	23.27	1000.0	9.000	N	ON	19.2
23.214750	---	30.23	50.00	19.77	1000.0	9.000	N	ON	19.6
23.905500	40.67	---	60.00	19.33	1000.0	9.000	N	ON	19.6

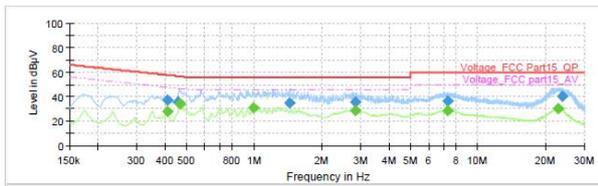
802.11g, Channel No.: 11

L Line



Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.219750	34.21	---	62.83	28.62	1000.0	9.000	L1	ON	19.1
0.291750	---	23.93	50.47	26.55	1000.0	9.000	L1	ON	19.2
0.818250	---	27.05	46.00	18.95	1000.0	9.000	L1	ON	19.2
0.867750	35.66	---	56.00	20.34	1000.0	9.000	L1	ON	19.2
1.050000	---	27.54	46.00	18.46	1000.0	9.000	L1	ON	19.2
1.448250	35.80	---	56.00	20.20	1000.0	9.000	L1	ON	19.2
2.852250	32.52	---	56.00	23.48	1000.0	9.000	L1	ON	19.0
2.859000	---	23.64	46.00	22.36	1000.0	9.000	L1	ON	19.0
7.080000	---	23.61	50.00	26.39	1000.0	9.000	L1	ON	19.2
7.642500	30.57	---	60.00	29.43	1000.0	9.000	L1	ON	19.2
21.945750	35.44	---	60.00	24.56	1000.0	9.000	L1	ON	19.5
23.194500	---	25.52	50.00	24.48	1000.0	9.000	L1	ON	19.6

N Line

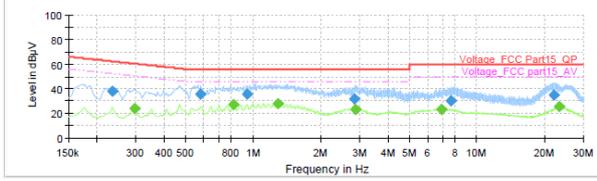


Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.408750	---	28.23	47.67	19.44	1000.0	9.000	N	ON	19.2
0.411000	37.38	---	57.63	20.25	1000.0	9.000	N	ON	19.2
0.468250	35.95	---	56.72	20.77	1000.0	9.000	N	ON	19.2
0.467250	---	33.72	46.56	12.84	1000.0	9.000	N	ON	19.2
0.991500	---	31.24	46.00	14.76	1000.0	9.000	N	ON	19.2
1.439250	35.04	---	56.00	20.96	1000.0	9.000	N	ON	19.2
2.845500	35.49	---	56.00	20.51	1000.0	9.000	N	ON	19.0
2.847750	---	29.02	46.00	16.98	1000.0	9.000	N	ON	19.0
7.356750	---	28.51	50.00	21.49	1000.0	9.000	N	ON	19.2
7.368000	36.23	---	60.00	23.77	1000.0	9.000	N	ON	19.2
22.859250	---	30.20	50.00	19.80	1000.0	9.000	N	ON	19.5
23.748000	40.69	---	60.00	19.31	1000.0	9.000	N	ON	19.6



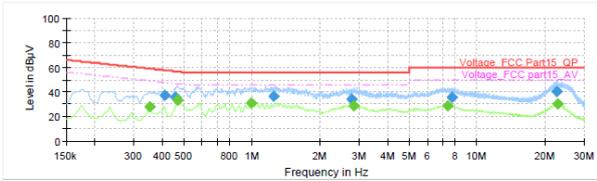
802.11n(HT20), Channel No.: 1

L Line



Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.235500	37.74	---	62.25	24.51	1000.0	9.000	L1	ON	19.1
0.294000	---	23.74	50.41	26.67	1000.0	9.000	L1	ON	19.2
0.579750	35.81	---	56.00	20.19	1000.0	9.000	L1	ON	19.3
0.818250	---	26.89	46.00	19.11	1000.0	9.000	L1	ON	19.2
0.937500	35.88	---	56.00	20.12	1000.0	9.000	L1	ON	19.2
1.295250	---	27.56	46.00	18.44	1000.0	9.000	L1	ON	19.2
2.845500	32.10	---	56.00	23.90	1000.0	9.000	L1	ON	19.0
2.854500	---	23.58	46.00	22.42	1000.0	9.000	L1	ON	19.0
6.947250	---	23.54	50.00	26.46	1000.0	9.000	L1	ON	19.2
7.683000	30.25	---	60.00	29.75	1000.0	9.000	L1	ON	19.2
22.078500	35.04	---	60.00	24.96	1000.0	9.000	L1	ON	19.5
23.217000	---	25.40	50.00	24.60	1000.0	9.000	L1	ON	19.6

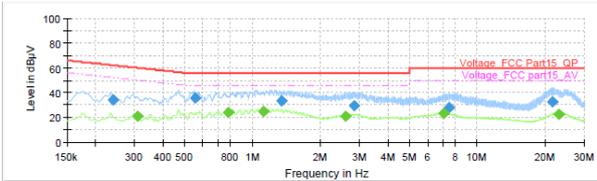
N Line



Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.350250	---	28.17	48.96	20.79	1000.0	9.000	N	ON	19.2
0.408750	37.58	---	57.67	20.09	1000.0	9.000	N	ON	19.2
0.456000	35.30	---	56.77	21.46	1000.0	9.000	N	ON	19.2
0.467250	---	33.64	46.56	12.93	1000.0	9.000	N	ON	19.2
0.993750	---	31.20	46.00	14.80	1000.0	9.000	N	ON	19.2
1.245750	36.50	---	56.00	19.50	1000.0	9.000	N	ON	19.2
2.775750	34.38	---	56.00	21.62	1000.0	9.000	N	ON	19.0
2.825250	---	28.95	46.00	17.05	1000.0	9.000	N	ON	19.0
7.377000	---	28.58	50.00	21.42	1000.0	9.000	N	ON	19.2
7.705500	35.86	---	60.00	24.14	1000.0	9.000	N	ON	19.2
22.512750	40.18	---	60.00	19.82	1000.0	9.000	N	ON	19.4
22.888500	---	30.24	50.00	19.76	1000.0	9.000	N	ON	19.5

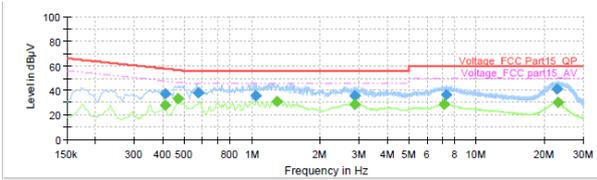
802.11n(HT20), Channel No.: 6

L Line



Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.240000	34.30	---	62.10	27.80	1000.0	9.000	L1	ON	19.1
0.309750	---	20.74	49.98	29.24	1000.0	9.000	L1	ON	19.2
0.557250	35.67	---	56.00	20.33	1000.0	9.000	L1	ON	19.3
0.780000	---	24.41	46.00	21.59	1000.0	9.000	L1	ON	19.2
1.117500	---	24.62	46.00	21.38	1000.0	9.000	L1	ON	19.2
1.347000	33.65	---	56.00	22.35	1000.0	9.000	L1	ON	19.2
2.538000	---	21.02	46.00	24.98	1000.0	9.000	L1	ON	19.0
2.841000	29.37	---	56.00	26.63	1000.0	9.000	L1	ON	19.0
7.120500	---	22.91	50.00	27.09	1000.0	9.000	L1	ON	19.2
7.476000	27.75	---	60.00	32.25	1000.0	9.000	L1	ON	19.2
21.644250	32.23	---	60.00	27.77	1000.0	9.000	L1	ON	19.5
23.059500	---	22.16	50.00	27.84	1000.0	9.000	L1	ON	19.6

N Line

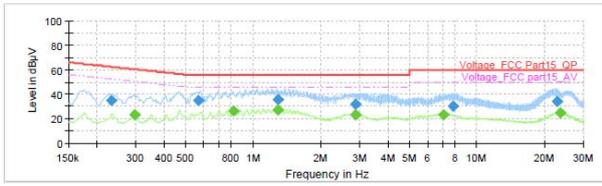


Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.408750	---	28.23	47.67	19.44	1000.0	9.000	N	ON	19.2
0.408750	37.58	---	57.67	20.09	1000.0	9.000	N	ON	19.2
0.467250	---	33.66	46.56	12.91	1000.0	9.000	N	ON	19.2
0.577500	38.29	---	56.00	17.71	1000.0	9.000	N	ON	19.3
1.036500	35.94	---	56.00	20.06	1000.0	9.000	N	ON	19.2
1.284000	---	30.95	46.00	15.05	1000.0	9.000	N	ON	19.2
2.850000	---	28.86	46.00	17.14	1000.0	9.000	N	ON	19.0
2.863500	35.36	---	56.00	20.64	1000.0	9.000	N	ON	19.1
7.143000	---	28.50	50.00	21.50	1000.0	9.000	N	ON	19.2
7.327500	36.31	---	60.00	23.69	1000.0	9.000	N	ON	19.2
22.906500	40.78	---	60.00	19.22	1000.0	9.000	N	ON	19.5
23.059500	---	30.05	50.00	19.95	1000.0	9.000	N	ON	19.5



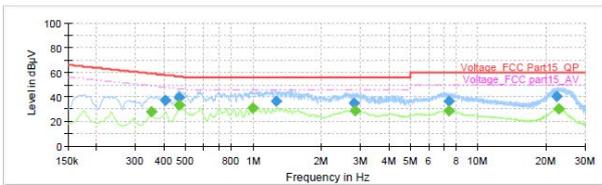
802.11n(HT20), Channel No.: 11

L Line



Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.231000	34.98	---	62.41	27.43	1000.0	9.000	L1	ON	19.1
0.294000	---	23.18	50.41	27.23	1000.0	9.000	L1	ON	19.2
0.585000	34.89	---	56.00	21.11	1000.0	9.000	L1	ON	19.3
0.818250	---	26.49	46.00	19.51	1000.0	9.000	L1	ON	19.2
1.284000	35.91	---	56.00	20.09	1000.0	9.000	L1	ON	19.2
1.286250	---	27.01	46.00	18.99	1000.0	9.000	L1	ON	19.2
2.854500	---	23.13	46.00	22.87	1000.0	9.000	L1	ON	19.0
2.863500	31.86	---	56.00	24.14	1000.0	9.000	L1	ON	19.1
7.066500	---	23.21	50.00	26.79	1000.0	9.000	L1	ON	19.2
7.784250	29.99	---	60.00	30.01	1000.0	9.000	L1	ON	19.2
22.767000	34.00	---	60.00	26.00	1000.0	9.000	L1	ON	19.6
23.489250	---	24.90	50.00	25.10	1000.0	9.000	L1	ON	19.7

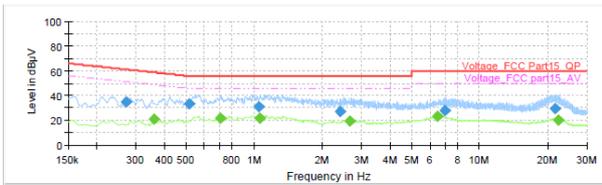
N Line



Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.350250	---	28.18	48.96	20.77	1000.0	9.000	N	ON	19.2
0.406500	37.16	---	57.72	20.55	1000.0	9.000	N	ON	19.2
0.465000	39.71	---	56.60	16.89	1000.0	9.000	N	ON	19.2
0.467250	---	33.62	46.56	12.94	1000.0	9.000	N	ON	19.2
0.991500	---	31.29	46.00	14.71	1000.0	9.000	N	ON	19.2
1.268250	36.41	---	56.00	19.59	1000.0	9.000	N	ON	19.2
2.798250	35.24	---	56.00	20.76	1000.0	9.000	N	ON	19.0
2.832000	---	28.84	46.00	17.16	1000.0	9.000	N	ON	19.0
7.374750	36.70	---	60.00	23.30	1000.0	9.000	N	ON	19.2
7.413000	---	28.35	50.00	21.65	1000.0	9.000	N	ON	19.2
22.449750	40.13	---	60.00	19.87	1000.0	9.000	N	ON	19.4
22.834500	---	30.26	50.00	19.74	1000.0	9.000	N	ON	19.5

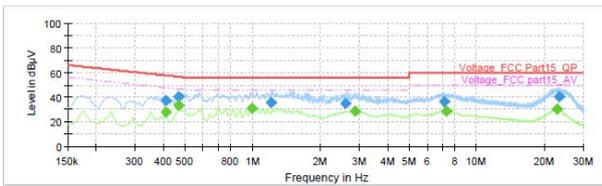
802.11n(HT40), Channel No.: 3

L Line



Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.269250	34.50	---	61.14	26.64	1000.0	9.000	L1	ON	19.1
0.359250	---	20.83	48.75	27.82	1000.0	9.000	L1	ON	19.2
0.514500	33.44	---	56.00	22.56	1000.0	9.000	L1	ON	19.2
0.705750	---	21.57	46.00	24.43	1000.0	9.000	L1	ON	19.3
1.047750	30.99	---	56.00	25.01	1000.0	9.000	L1	ON	19.2
1.056750	---	21.41	46.00	24.59	1000.0	9.000	L1	ON	19.2
2.393250	27.37	---	56.00	28.63	1000.0	9.000	L1	ON	19.0
2.647500	---	19.30	46.00	26.70	1000.0	9.000	L1	ON	19.0
6.519750	---	22.98	50.00	27.02	1000.0	9.000	L1	ON	19.1
6.999000	27.83	---	60.00	32.17	1000.0	9.000	L1	ON	19.2
21.653250	29.25	---	60.00	30.75	1000.0	9.000	L1	ON	19.5
22.418250	---	20.04	50.00	29.96	1000.0	9.000	L1	ON	19.5

N Line



Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.408750	---	28.20	47.67	19.48	1000.0	9.000	N	ON	19.2
0.408750	37.52	---	57.67	20.15	1000.0	9.000	N	ON	19.2
0.467250	---	33.68	46.56	12.89	1000.0	9.000	N	ON	19.2
0.467250	40.27	---	56.56	16.29	1000.0	9.000	N	ON	19.2
0.996000	---	31.16	46.00	14.84	1000.0	9.000	N	ON	19.2
1.207500	35.78	---	56.00	20.22	1000.0	9.000	N	ON	19.2
2.604750	35.05	---	56.00	20.95	1000.0	9.000	N	ON	19.0
2.850900	---	28.84	46.00	17.16	1000.0	9.000	N	ON	19.0
7.154250	36.38	---	60.00	23.62	1000.0	9.000	N	ON	19.2
7.356750	---	28.57	50.00	21.43	1000.0	9.000	N	ON	19.2
22.708500	---	30.00	50.00	20.00	1000.0	9.000	N	ON	19.5
23.262000	40.65	---	60.00	19.35	1000.0	9.000	N	ON	19.6



802.11n(HT40), Channel No.: 6

L Line

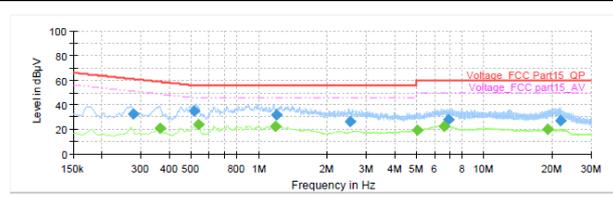


Table with 10 columns: Frequency (MHz), QuasiPeak (dBµV), Average (dBµV), Limit (dBµV), Margin (dB), Meas. Time (ms), Bandwidth (kHz), Line, Filter, Corr. (dB). Contains 14 rows of test data.

N Line

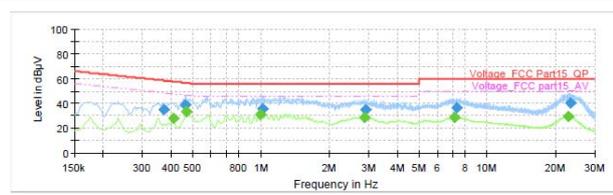


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802.11n(HT40), Channel No.: 9

L Line

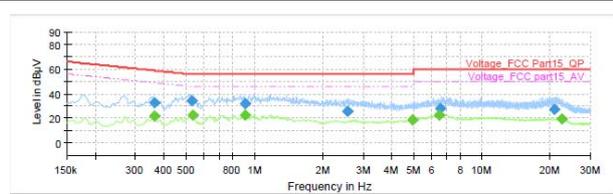


Table with 10 columns: Frequency (MHz), QuasiPeak (dBµV), Average (dBµV), Limit (dBµV), Margin (dB), Meas. Time (ms), Bandwidth (kHz), Line, Filter, Corr. (dB). Contains 14 rows of test data.

N Line

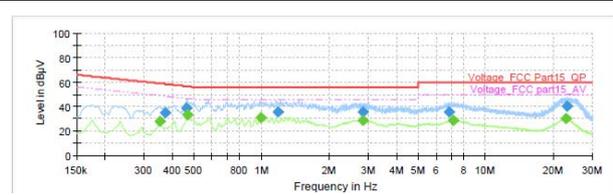


Table with 10 columns: Frequency (MHz), QuasiPeak (dBµV), Average (dBµV), Limit (dBµV), Margin (dB), Meas. Time (ms), Bandwidth (kHz), Line, Filter, Corr. (dB). Contains 14 rows of test data.



6. Main Test Instruments

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Time
Spectrum Analyzer	R&S	FSV30	100815	2016-12-16	2017-12-15
EMI Test Receiver	R&S	ESCI	100948	2017-05-20	2018-05-19
TRIALOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-201	2014-12-06	2017-12-05
Double Ridged Waveguide Horn Antenna	R&S	HF907	100126	2014-12-06	2017-12-05
Loop Antenna	SCHWARZBECK	FMZB1519	1519-047	2017-02-18	2020-02-17
Standard Gain Horn	ETS-Lindgren	3160-09	00102644	2015-01-30	2018-01-29
EMI Test Receiver	R&S	ESCS30	100138	2016-12-16	2017-12-15
LISN	R&S	ENV216	101171	2016-12-16	2019-12-15
Spectrum Analyzer	Agilent	N9010A	MY47191109	2017-05-20	2018-05-19
RF Cable	Agilent	SMA 15cm	0001	2017-02-06	2017-08-05

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

ANNEX A: EUT Appearance and Test Setup

A.1 EUT Appearance



Front Side



Back Side

a: EUT



b: Adapter



c: Battery



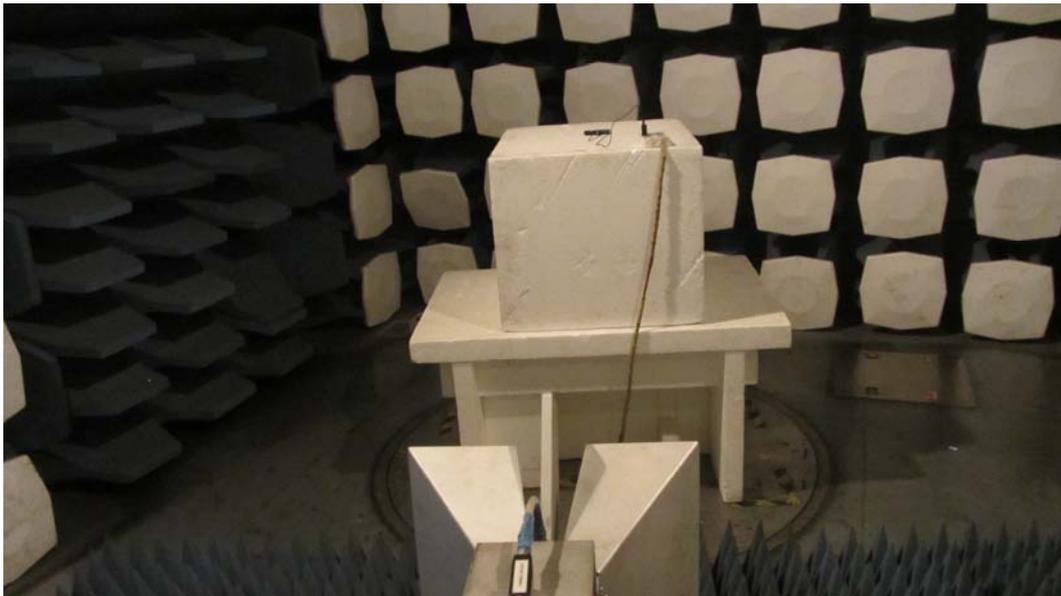
d: USB Cable

Picture 1 EUT and Accessory

A.2 Test Setup



30MHz-1GHz



Above 1GHz

Picture 2 Radiated Emission Test Setup



Picture 3 Conducted Emission Test Setup