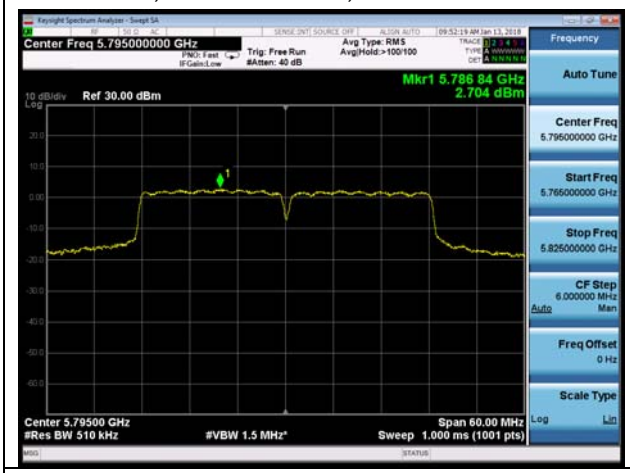
U-NII-3, 802.11n HT40, Channel No.: 151

U-NII-3, 802.11ac HT20, Channel No.: 149

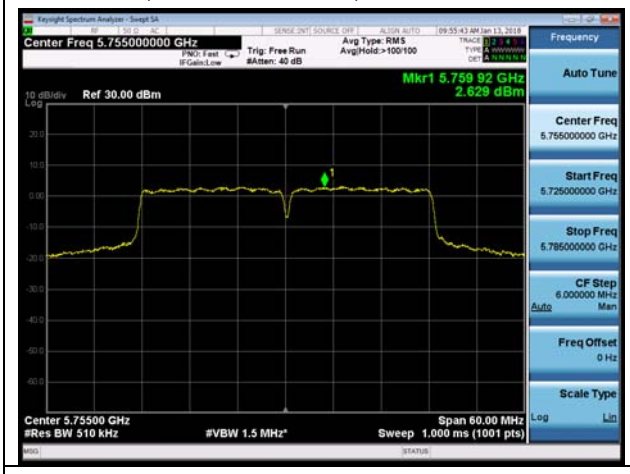
U-NII-3, 802.11n HT40, Channel No.: 159



U-NII-3, 802.11ac HT20, Channel No.: 157

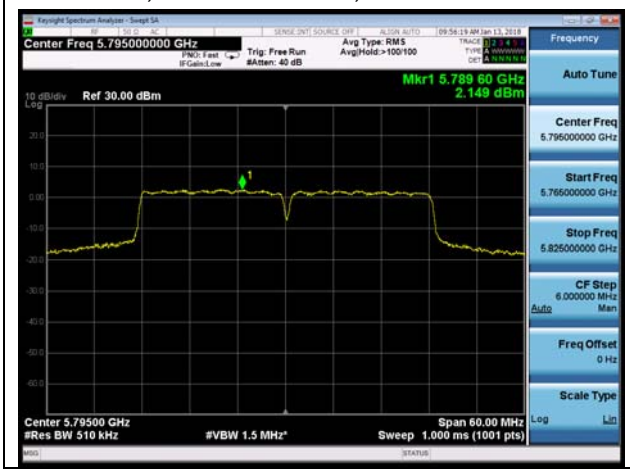
U-NII-3, 802.11ac HT20, Channel No.: 165

U-NII-3, 802.11ac HT40, Channel No.: 151



U-NII-3, 802.11ac HT80, Channel No.: 155

U-NII-3, 802.11ac HT40, Channel No.: 159

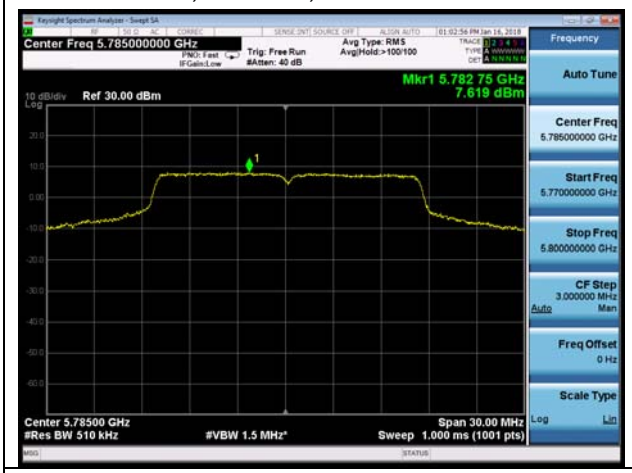


Antenna 3

U-NII-3, 802.11a, Channel No.: 149

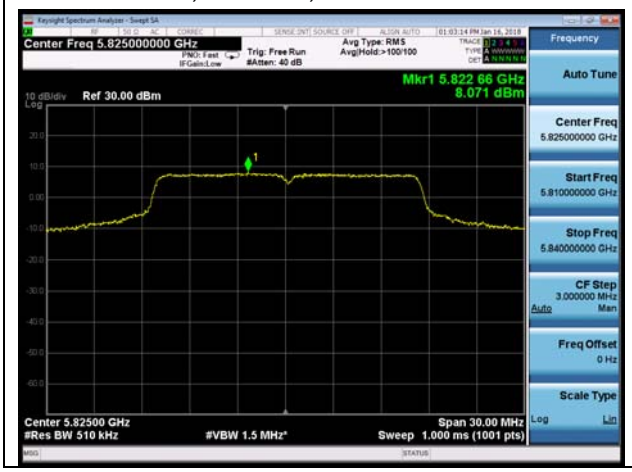
U-NII-3, 802.11n HT20, Channel No.: 149

U-NII-3, 802.11a, Channel No.: 157



U-NII-3, 802.11n HT20, Channel No.: 157

U-NII-3, 802.11a, Channel No.: 165

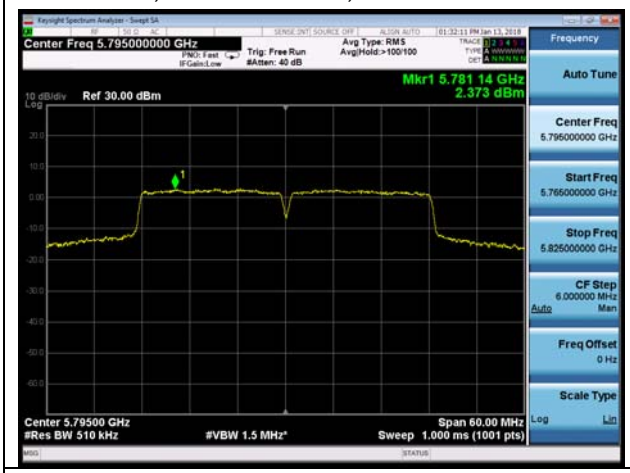


U-NII-3, 802.11n HT20, Channel No.: 165

U-NII-3, 802.11n HT40, Channel No.: 151

U-NII-3, 802.11ac HT20, Channel No.: 149

U-NII-3, 802.11n HT40, Channel No.: 159



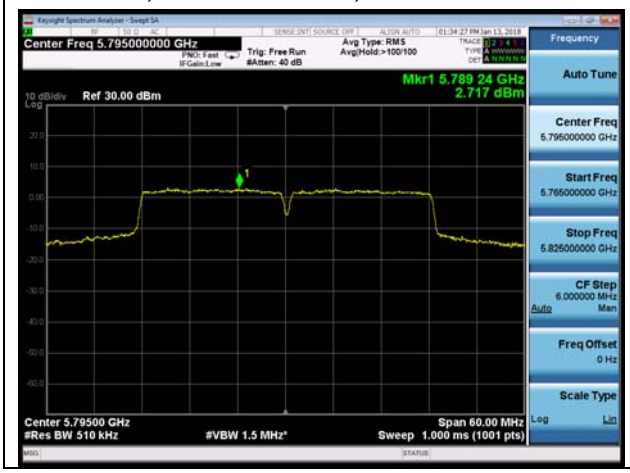
U-NII-3, 802.11ac HT20, Channel No.: 157

U-NII-3, 802.11ac HT20, Channel No.: 165

U-NII-3, 802.11ac HT40, Channel No.: 151

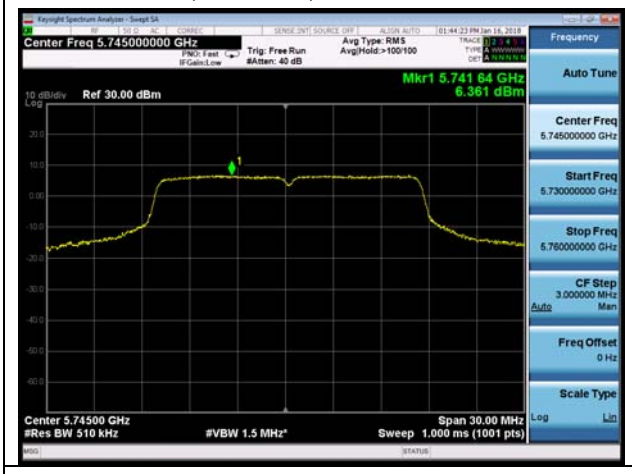
U-NII-3, 802.11ac HT80, Channel No.: 155

U-NII-3, 802.11ac HT40, Channel No.: 159



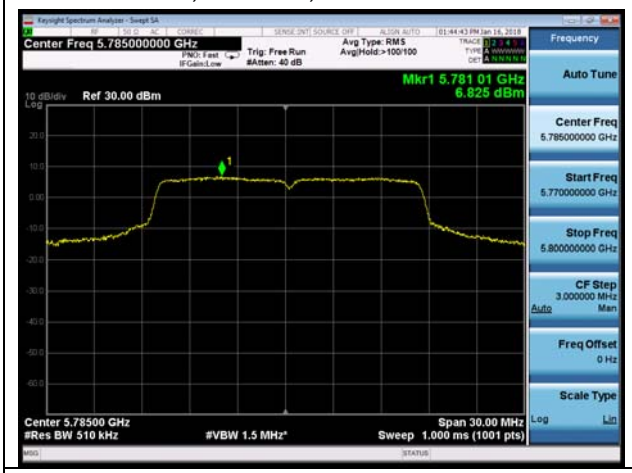
Antenna 4

U-NII-3, 802.11a, Channel No.: 149



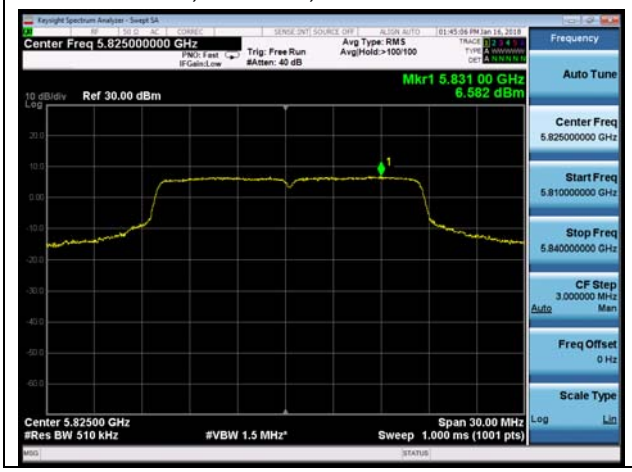
U-NII-3, 802.11n HT20, Channel No.: 149

U-NII-3, 802.11a, Channel No.: 157



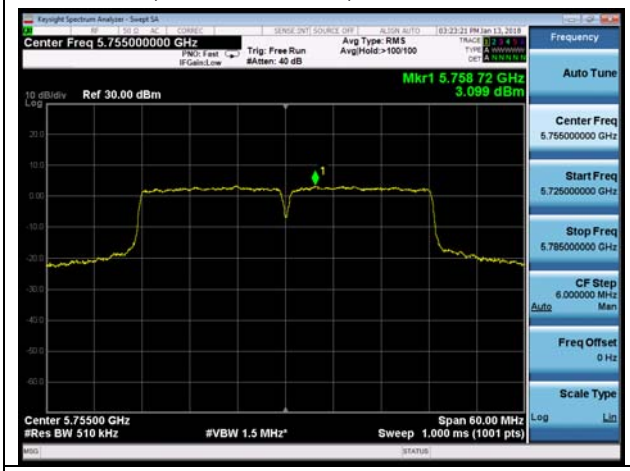
U-NII-3, 802.11n HT20, Channel No.: 157

U-NII-3, 802.11a, Channel No.: 165



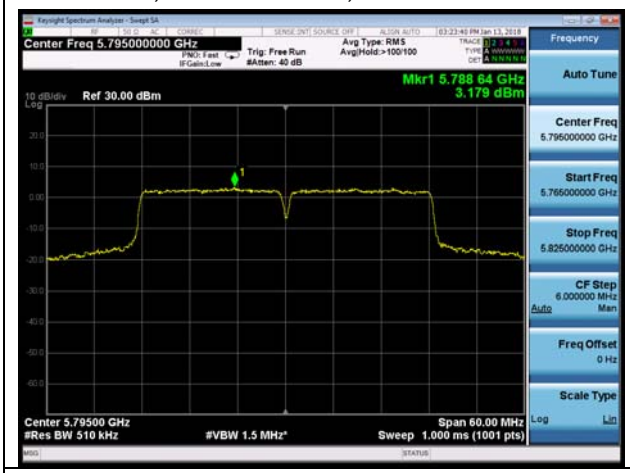
U-NII-3, 802.11n HT20, Channel No.: 165

U-NII-3, 802.11n HT40, Channel No.: 151



U-NII-3, 802.11ac HT20, Channel No.: 149

U-NII-3, 802.11n HT40, Channel No.: 159



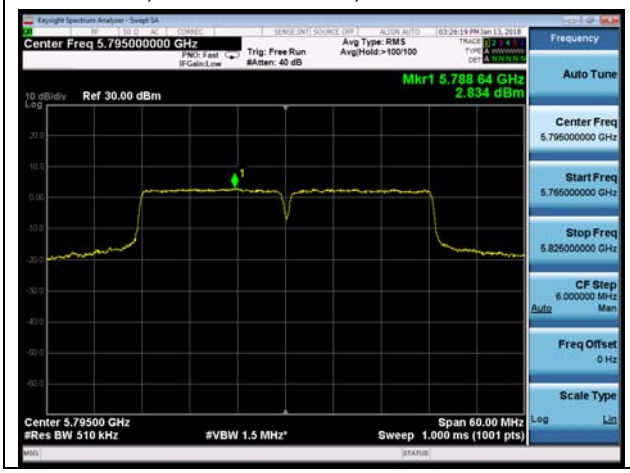
U-NII-3, 802.11ac HT20, Channel No.: 157

U-NII-3, 802.11ac HT20, Channel No.: 165

U-NII-3, 802.11ac HT40, Channel No.: 151

U-NII-3, 802.11ac HT80, Channel No.: 155

U-NII-3, 802.11ac HT40, Channel No.: 159



MIMO with Beamforming

Antenna 1

U-NII-3, 802.11n HT20, Channel No.: 149

U-NII-3, 802.11n HT40, Channel No.: 151

U-NII-3, 802.11n HT20, Channel No.: 157

U-NII-3, 802.11n HT40, Channel No.: 159

U-NII-3, 802.11n HT20, Channel No.: 165

U-NII-3, 802.11ac HT20, Channel No.: 149

U-NII-3, 802.11ac HT40, Channel No.: 151

U-NII-3, 802.11ac HT20, Channel No.: 157

U-NII-3, 802.11ac HT40, Channel No.: 159

U-NII-3, 802.11ac HT20, Channel No.: 165

U-NII-3, 802.11ac HT80, Channel No.: 155

Antenna 2

U-NII-3, 802.11n HT20, Channel No.: 149

U-NII-3, 802.11n HT40, Channel No.: 151

U-NII-3, 802.11n HT20, Channel No.: 157

U-NII-3, 802.11n HT40, Channel No.: 159

U-NII-3, 802.11n HT20, Channel No.: 165

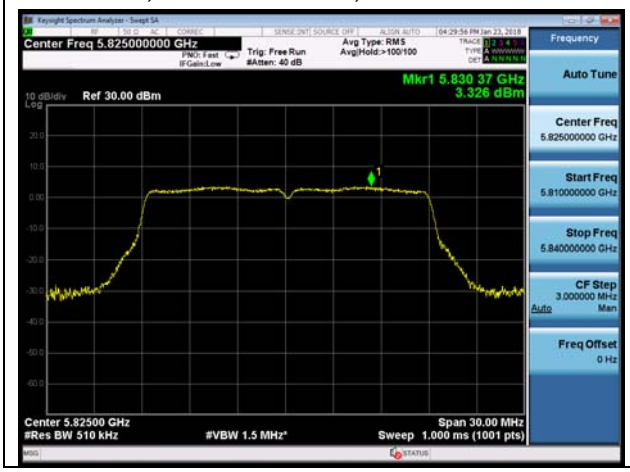
U-NII-3, 802.11ac HT20, Channel No.: 149

U-NII-3, 802.11ac HT40, Channel No.: 151

U-NII-3, 802.11ac HT20, Channel No.: 157

U-NII-3, 802.11ac HT40, Channel No.: 159

U-NII-3, 802.11ac HT20, Channel No.: 165



U-NII-3, 802.11ac HT80, Channel No.: 155

Antenna 3

U-NII-3, 802.11n HT20, Channel No.: 149

U-NII-3, 802.11n HT40, Channel No.: 151

U-NII-3, 802.11n HT20, Channel No.: 157

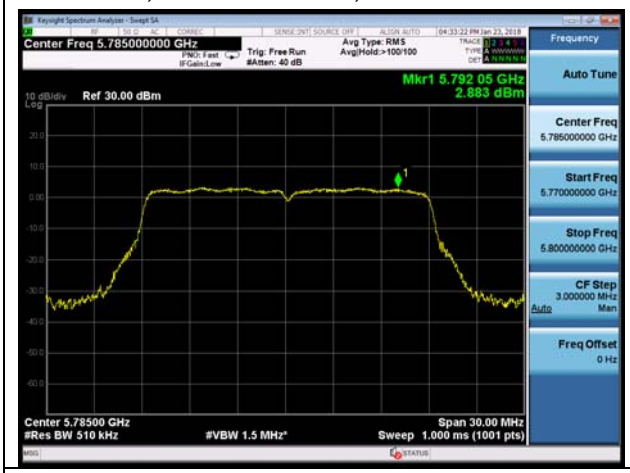
U-NII-3, 802.11n HT40, Channel No.: 159

U-NII-3, 802.11n HT20, Channel No.: 165

U-NII-3, 802.11ac HT20, Channel No.: 149

U-NII-3, 802.11ac HT40, Channel No.: 151

U-NII-3, 802.11ac HT20, Channel No.: 157



U-NII-3, 802.11ac HT40, Channel No.: 159

U-NII-3, 802.11ac HT20, Channel No.: 165

U-NII-3, 802.11ac HT80, Channel No.: 155

Antenna 4

U-NII-3, 802.11n HT20, Channel No.: 149

U-NII-3, 802.11n HT40, Channel No.: 151

U-NII-3, 802.11n HT20, Channel No.: 157

U-NII-3, 802.11n HT40, Channel No.: 159

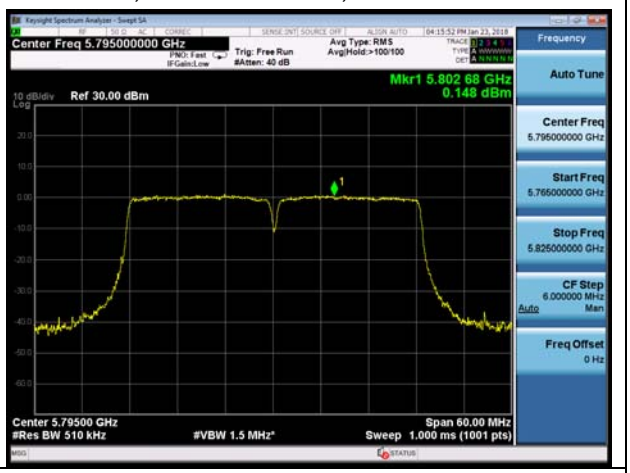
U-NII-3, 802.11n HT20, Channel No.: 165

U-NII-3, 802.11ac HT20, Channel No.: 149

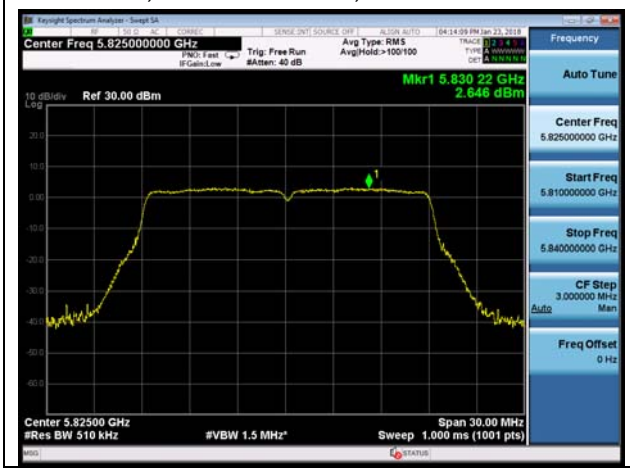
U-NII-3, 802.11ac HT40, Channel No.: 151

U-NII-3, 802.11ac HT20, Channel No.: 157

U-NII-3, 802.11ac HT40, Channel No.: 159



U-NII-3, 802.11ac HT20, Channel No.: 165



U-NII-3, 802.11ac HT80, Channel No.: 155

5.5. Unwanted Emission

Ambient condition

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

Method of Measurement

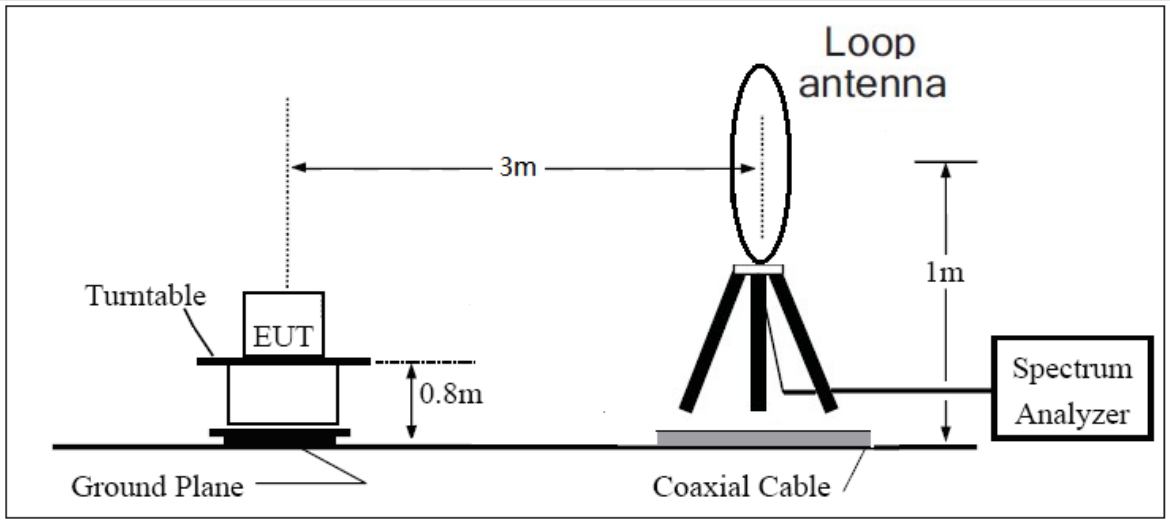
The test set-up was made in accordance to the general provisions of ANSI C63.10-2013. The Equipment Under Test (EUT) was set up on a non-conductive table in the semi-anechoic chamber. The test was performed at the distance of 3 m between the EUT and the receiving antenna. The radiated emissions measurements were made in a typical installation configuration.
Sweep the whole frequency band 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, 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=3MHz / Sweep=AUTO

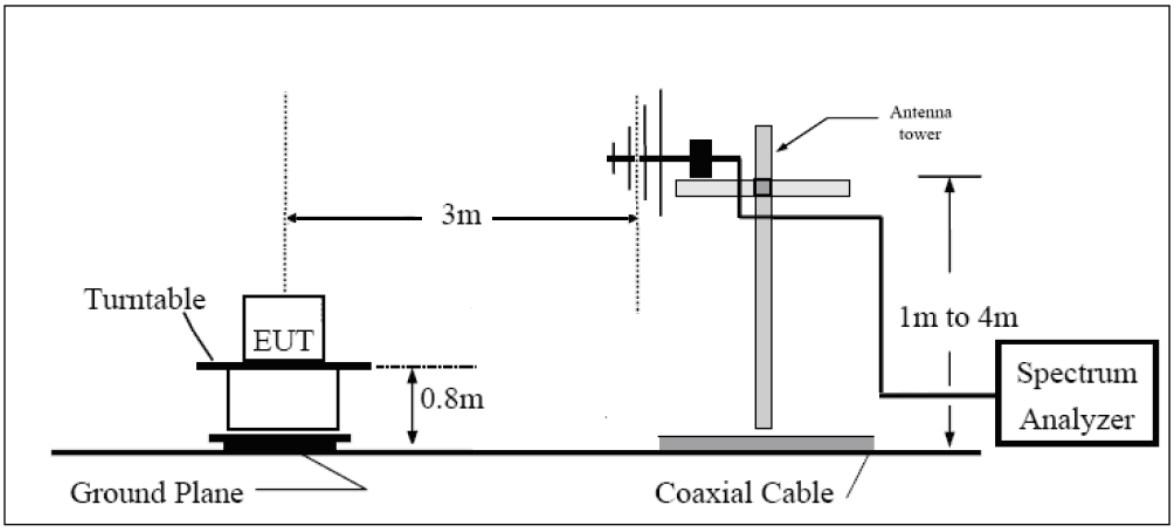
The radiated emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in stand-up position (Z axis) and the worst case was recorded.

The test is in transmitting mode.

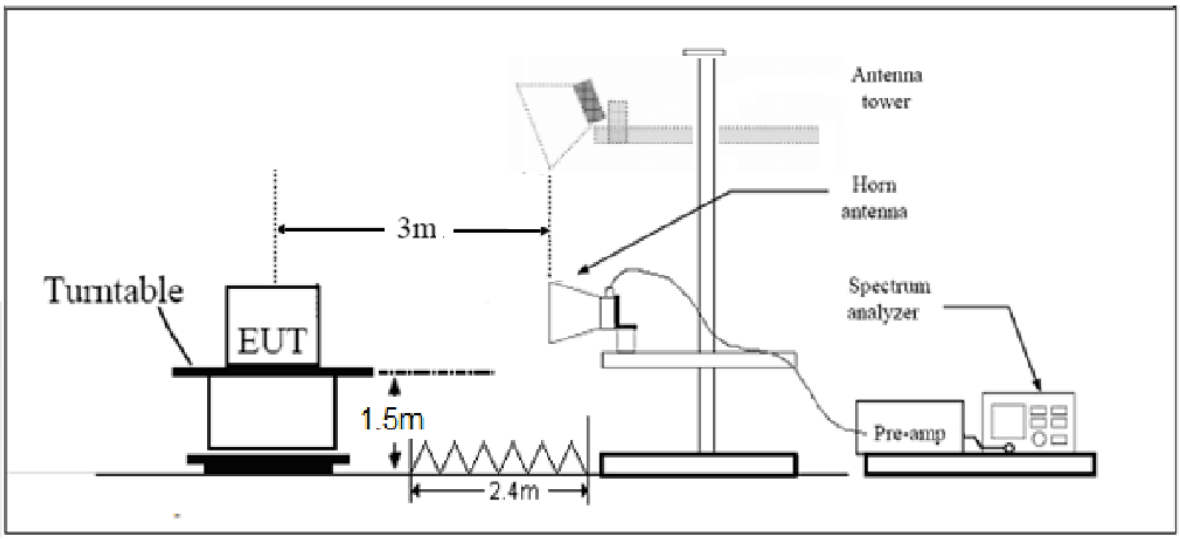
9KHz~~~30MHz



30MHz~~~ 1GHz



Above 1GHz



Note: Area side:2.4mX3.6m

Limits

(1) For transmitters operating in the 5725-5850 MHz band: All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

(2) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz(68.2dBμV/m).

(3) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz(68.2dBμV/m).

(4) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz(68.2dBμV/m).

Note: the following formula is used to convert the EIRP to field strength

§1、E[dBμV/m] = EIRP[dBm] - 20 log(d[meters]) + 104.77, where E = field strength and

d = distance at which field strength limit is specified in the rules;

§2、E[dBμV/m] = EIRP[dBm] + 95.2, for d = 3 meters

(5) Unwanted spurious emissions fallen in restricted bands per FCC Part15.205 shall comply with the general field strength limits set forth in § 15.209 as below table.

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

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

Measurement Uncertainty

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

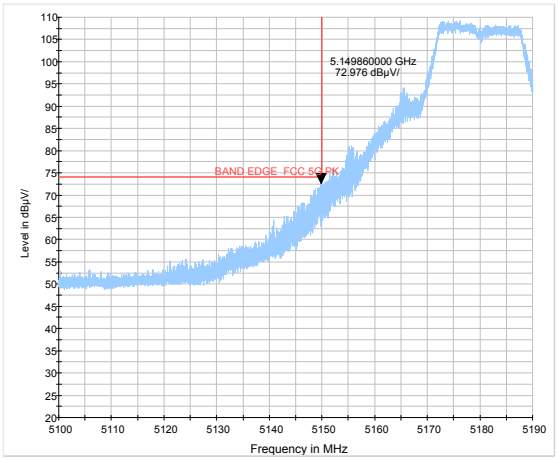
Frequency	Uncertainty
9KHz-30MHz	3.55 dB
30MHz-200MHz	4.19 dB
200MHz-1GHz	3.63 dB
1GHz-26.5G	3.68 dB
26.5G-40GHz	4.76dB

Test Results:

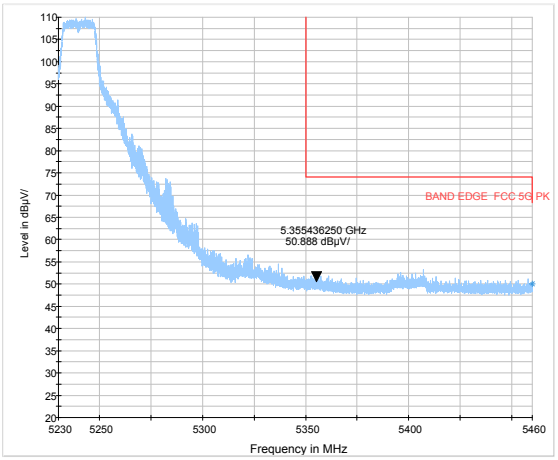
The signal beyond the limit is carrier.

U-NII-1

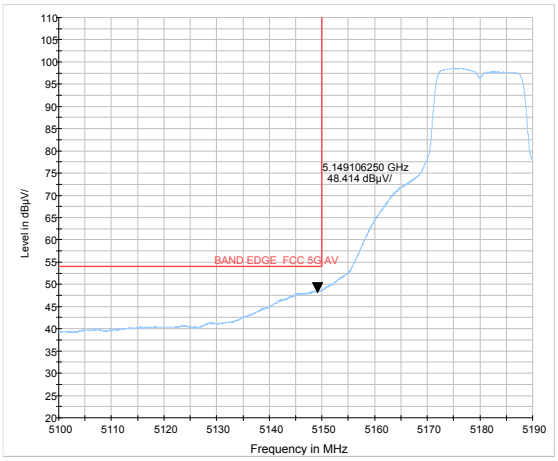
802.11a-Channel 36: Peak



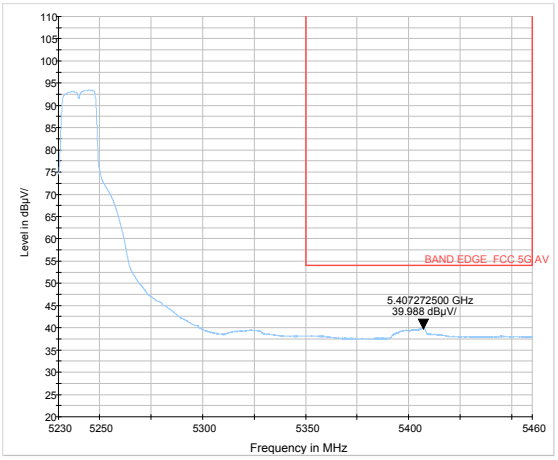
802.11a-Channel 48: Peak



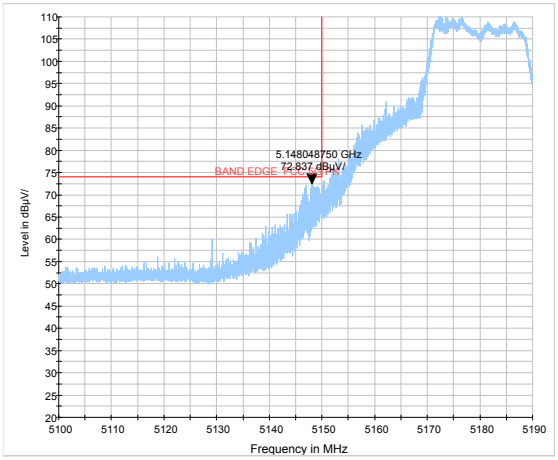
802.11a-Channel 36: Average



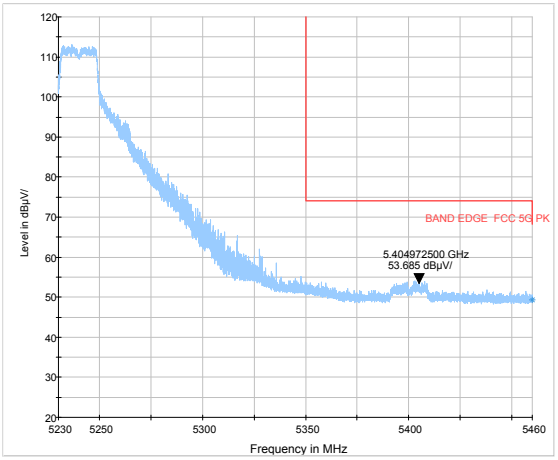
802.11a-Channel 48: Average



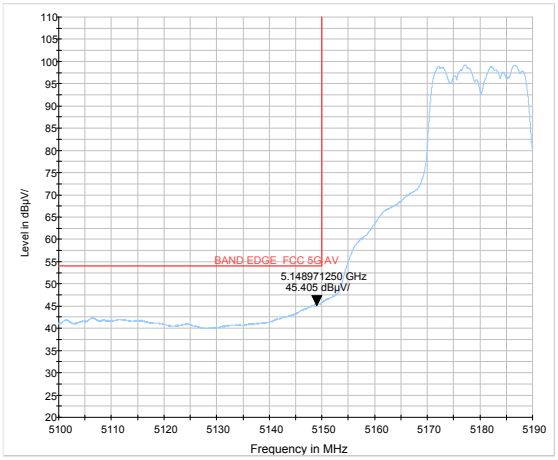
802.11n HT20-Channel 36: Peak



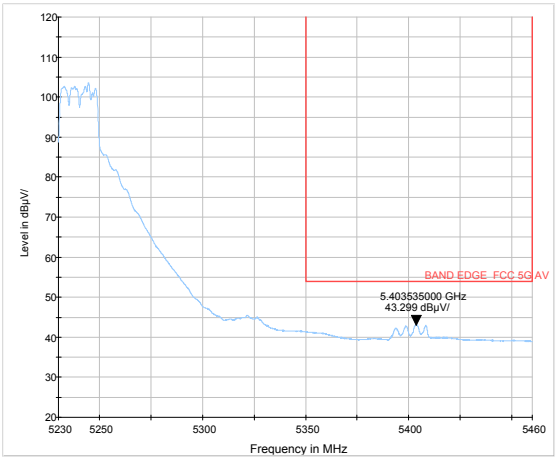
802.11n HT20-Channel 48: Peak



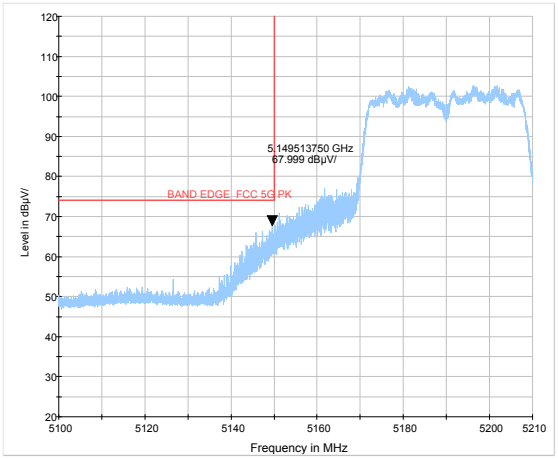
802.11n HT20-Channel 36: Average



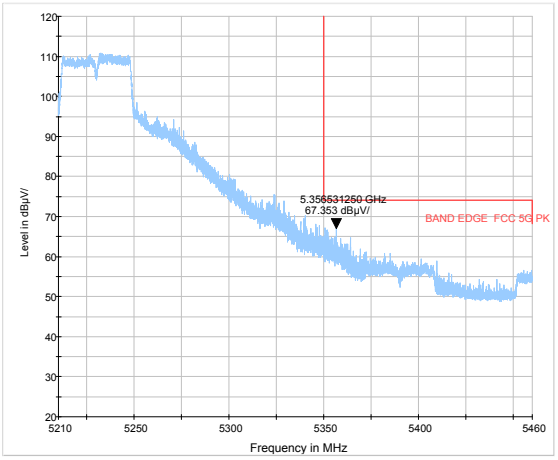
802.11n HT20-Channel 48: Average



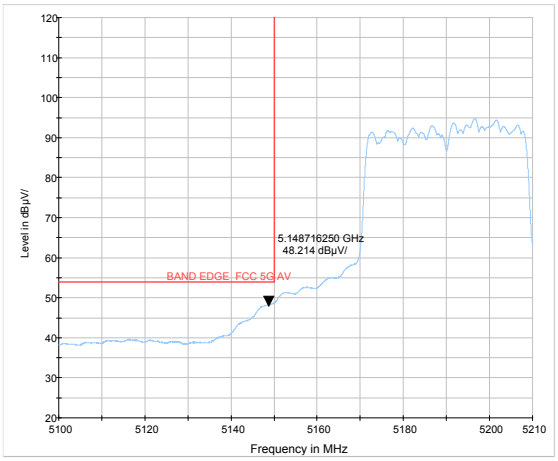
802.11n HT40-Channel 38: Peak



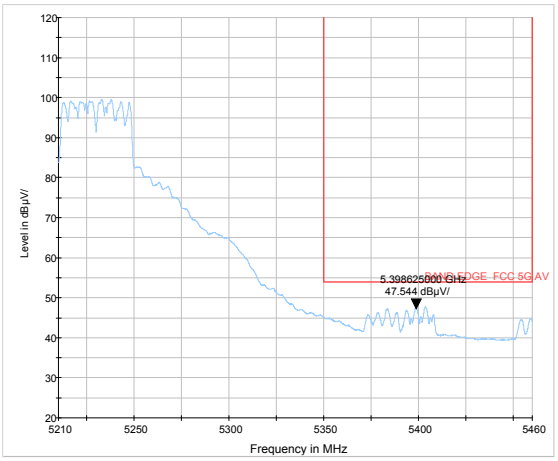
802.11n HT40-Channel 46: Peak



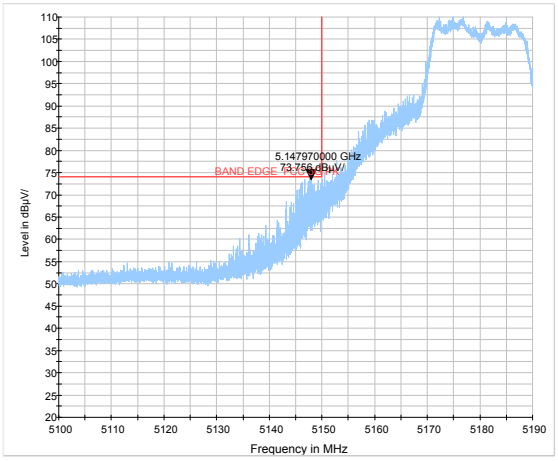
802.11n HT40-Channel 38: Average



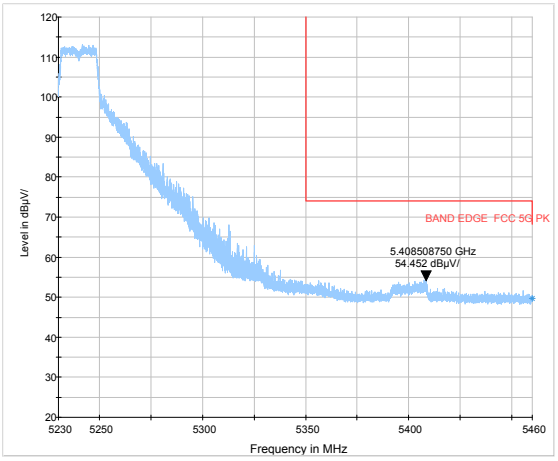
802.11n HT40-Channel 46: Average



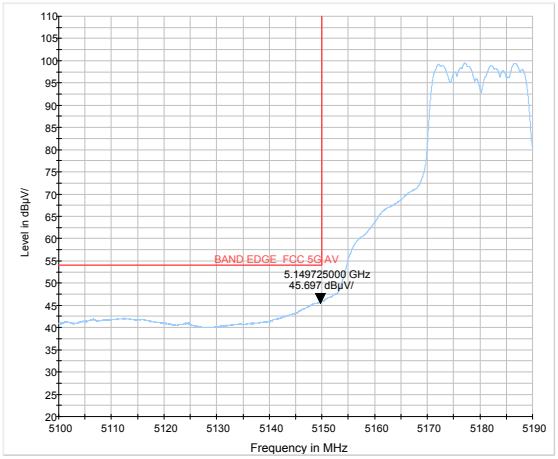
802.11ac HT20 -Channel 36: Peak



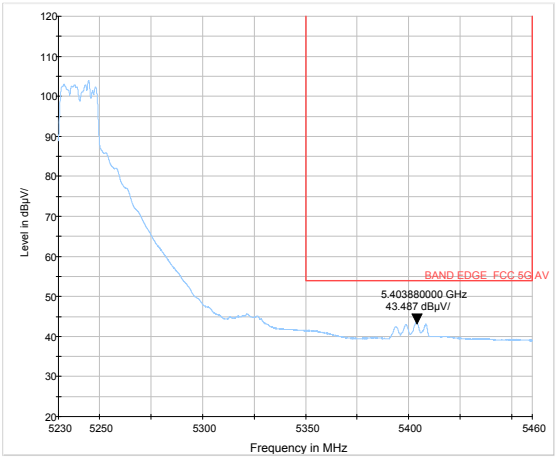
802.11ac HT20 -Channel 48: Peak



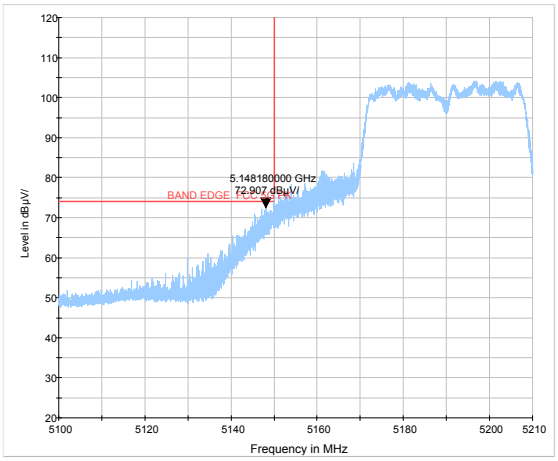
802.11ac HT20-Channel 36: Average



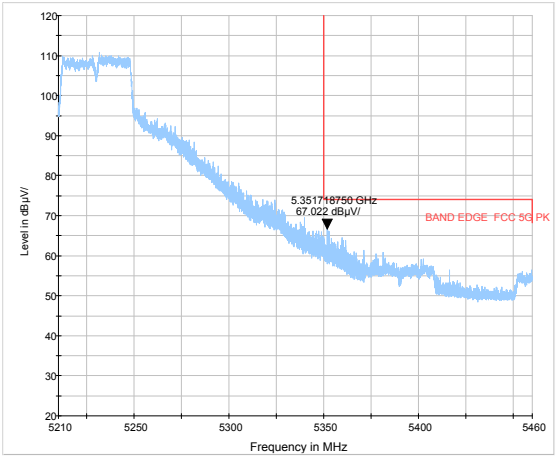
802.11ac HT20 -Channel 48: Average



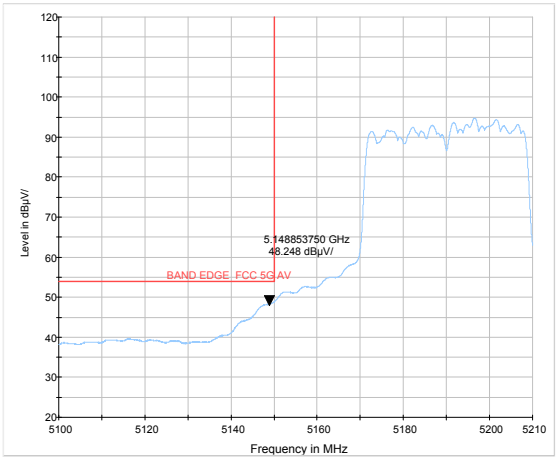
802.11ac HT40-Channel 38: Peak



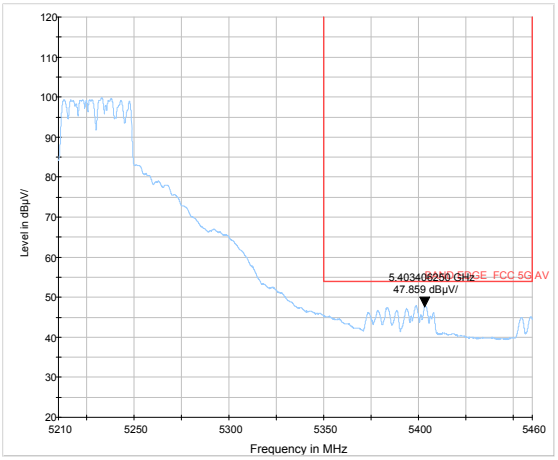
802.11ac HT40-Channel 46: Peak



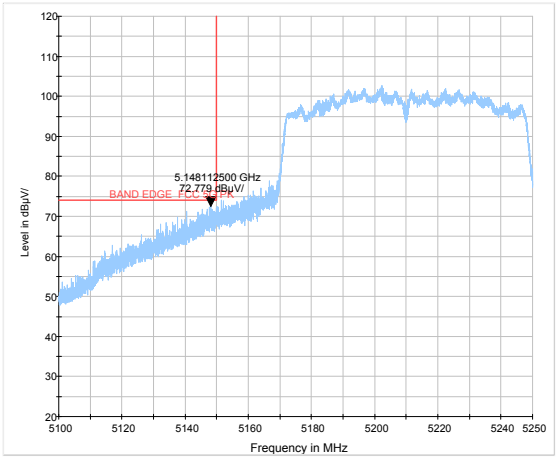
802.11ac HT40-Channel 38: Average



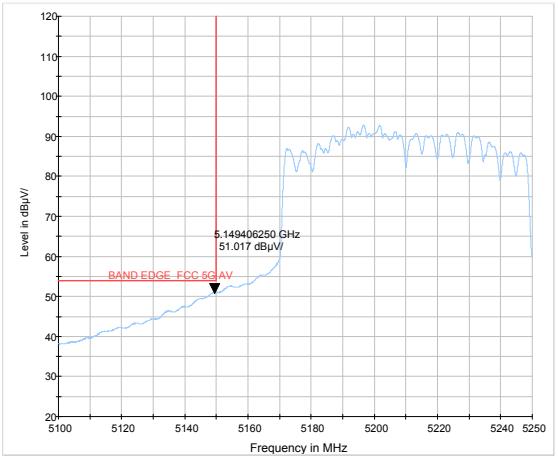
802.11ac HT40-Channel 46: Average



802.11ac HT80 –Channel 42: Peak

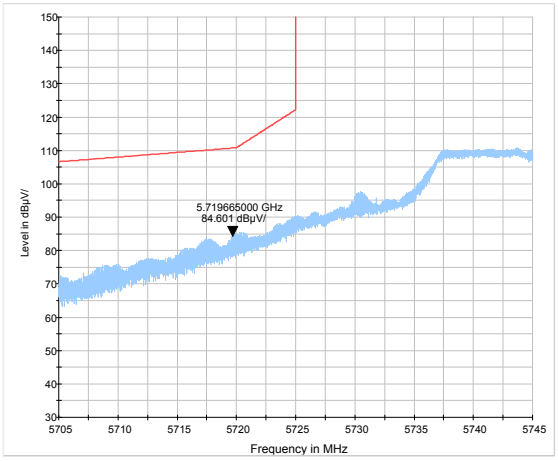


802.11ac HT80- Channel 42: Average

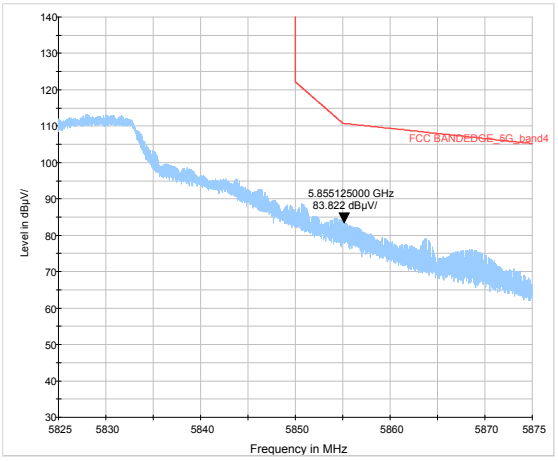


U-NII-3

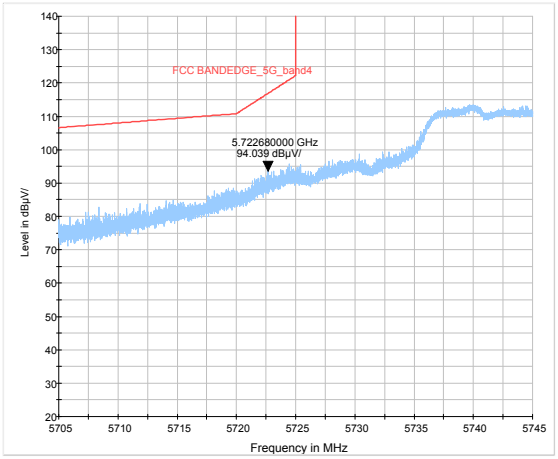
802.11a-Channel 149: Peak



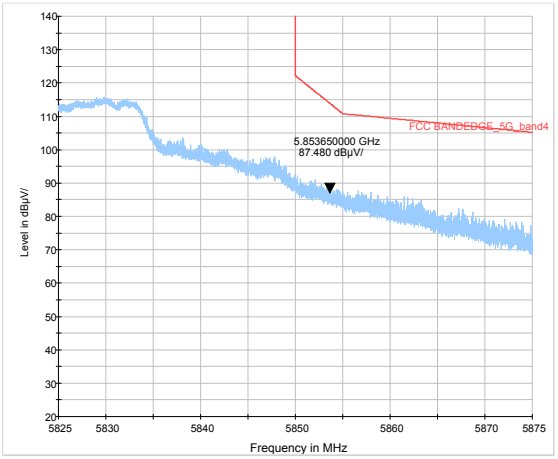
802.11a-Channel 165: Peak



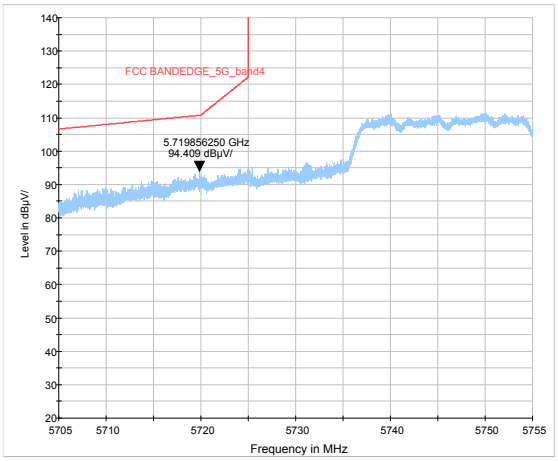
802.11n HT20-Channel 149: Peak



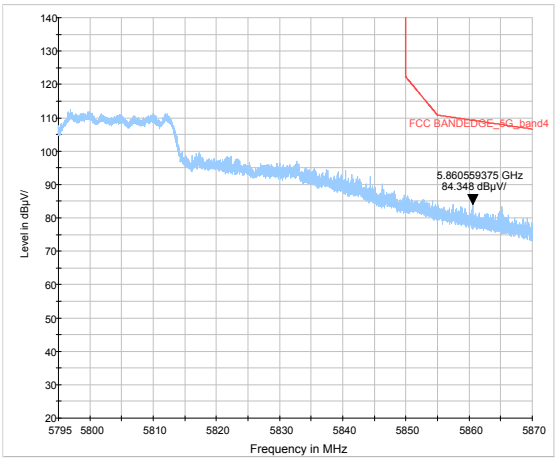
802.11n HT20-Channel 165: Peak



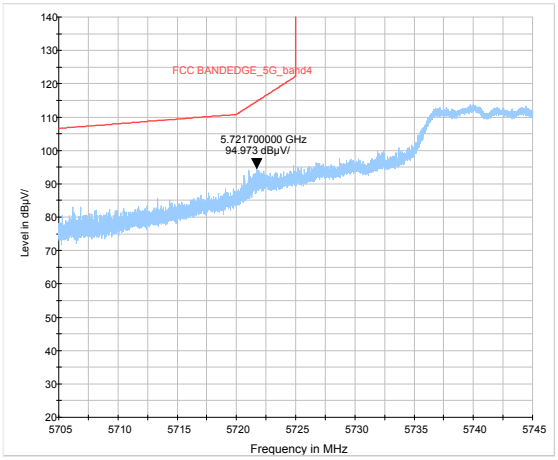
802.11n HT40-Channel 151: Peak



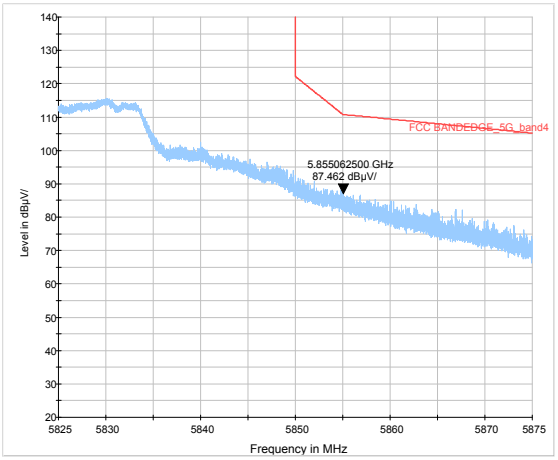
802.11n HT40-Channel 159: Peak



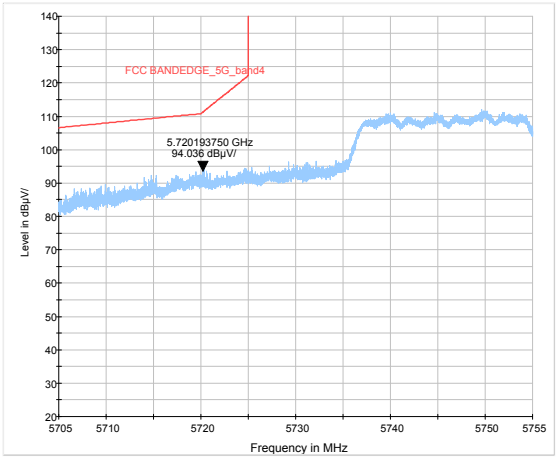
802.11ac HT20-Channel 149: Peak



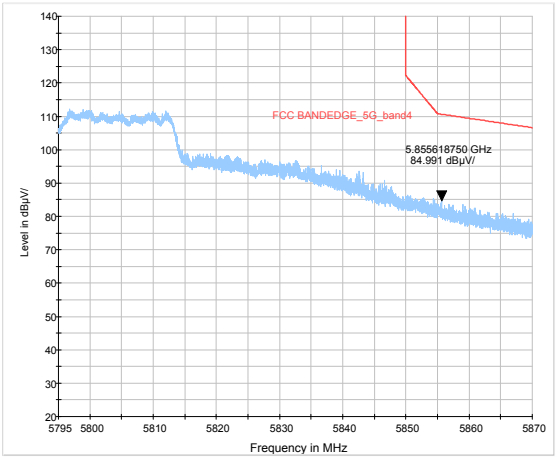
802.11ac HT20-Channel 165: Peak



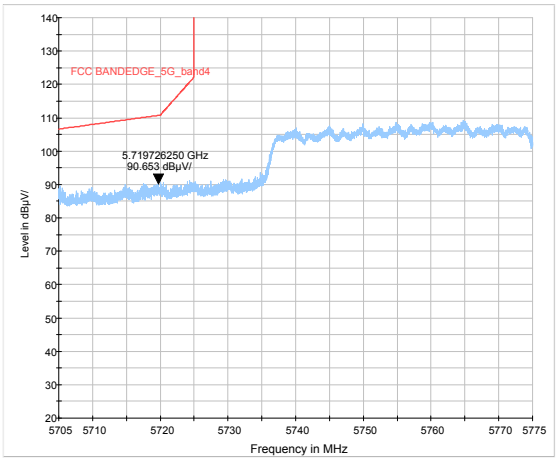
802.11ac HT40-Channel 151: Peak



802.11ac HT40-Channel 159: Peak



802.11ac HT80- Channel 155: Peak



Result of RE

Test result

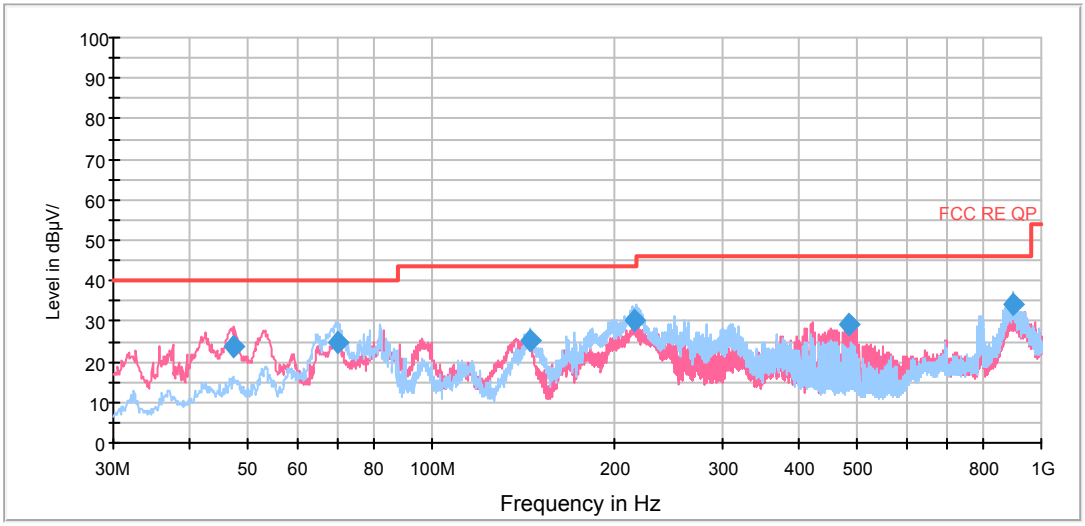
Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, and 9KHz-30MHz, the emissions more than 20 dB below the permissible value are not reported.

After the pre test, Antenna 3 was selected as the worst antenna.

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels, 802.11a, Channel 36 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

Continuous TX mode:

RE 30M-1GHz QP



Radiates Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBuV/m)	Reading value (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
47.220403	23.5	41.4	100.0	V	69.0	-17.9	16.5	40.0
70.079362	24.6	51.2	121.0	H	40.0	-26.6	15.4	40.0
144.499797	25.4	53.6	125.0	H	176.0	-28.2	18.1	43.5
215.215500	30.3	56.0	125.0	H	192.0	-25.7	13.2	43.5
483.305250	29.1	48.9	100.0	V	173.0	-19.8	16.9	46.0
900.000000	34.3	47.4	120.0	H	125.0	-13.1	11.7	46.0

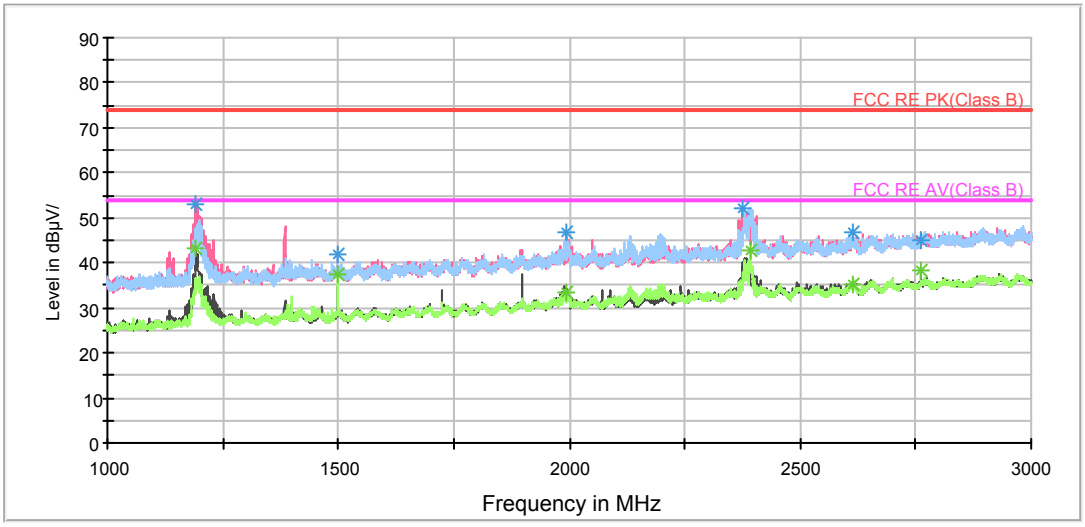
Remark: 1. Quasi-Peak = Reading value + Correction factor

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

3. Margin = Limit – Quasi-Peak

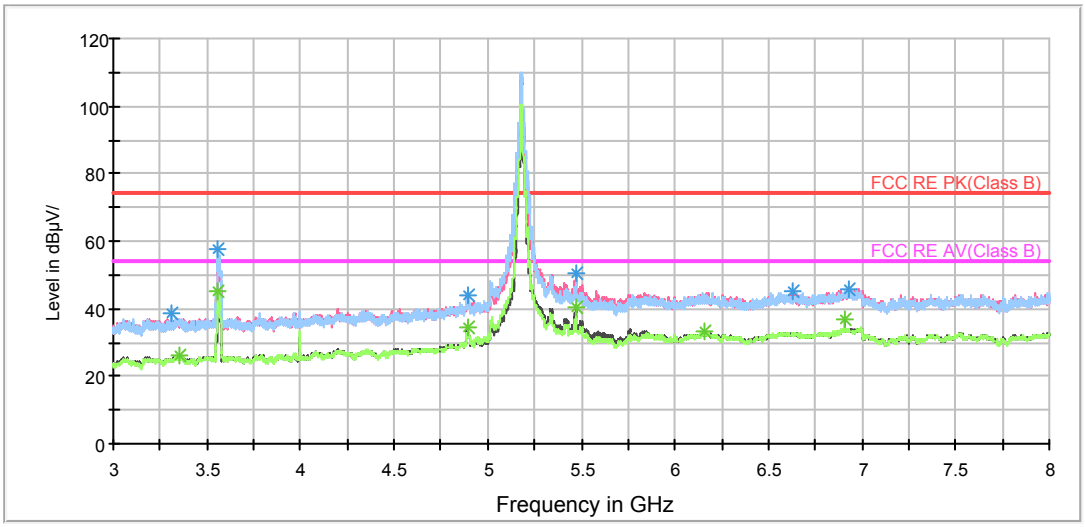
802.11a CH36

RE 1G-3GHz PK+AV



Radiates Emission from 1GHz to 3GHz

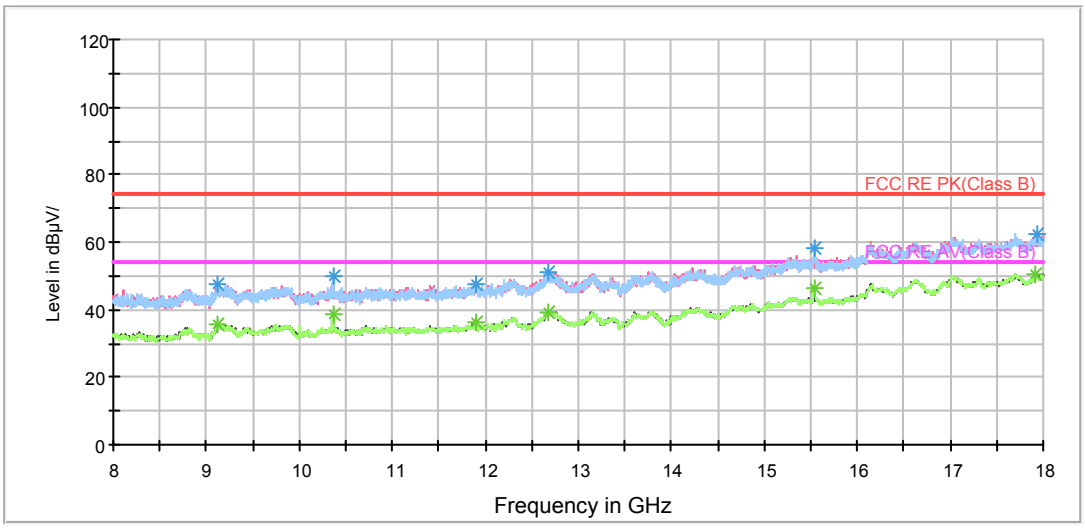
RE 3-18GHz PK+AV



Note: The signal beyond the limit is carrier.

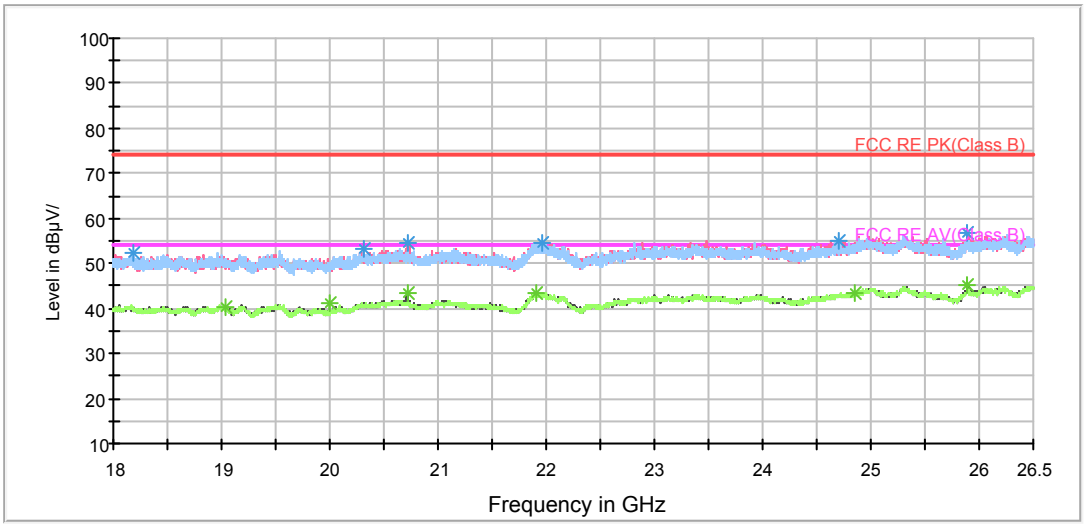
Radiates Emission from 3GHz to 8GHz

RE 3-18GHz PK+AV



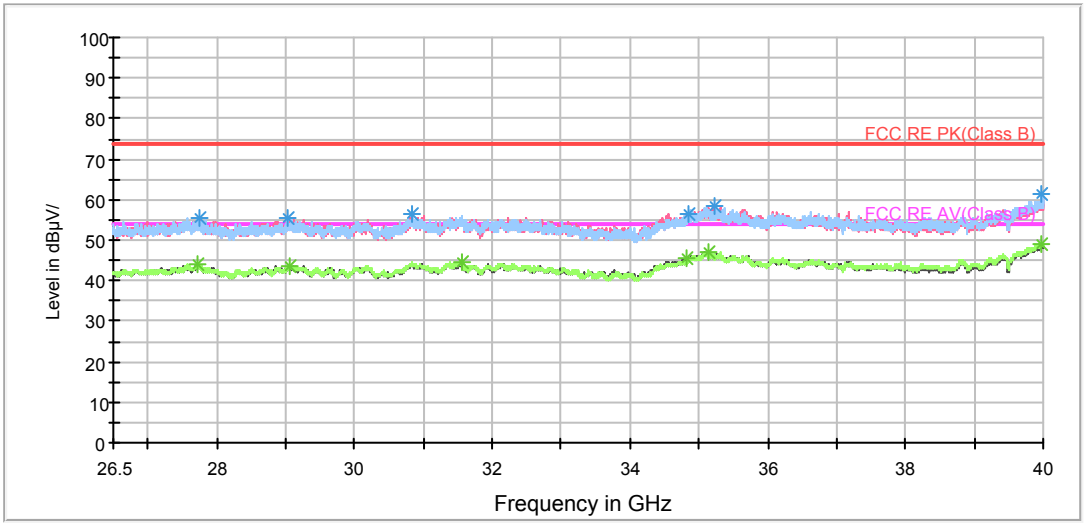
Radiates Emission from 8GHz to 18GHz

BELL_RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

BELL RE 26.5-40GHz PK+AV



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3308.125000	38.3	200.0	H	22.0	40.4	-2.1	35.7	74
3561.875000	57.4	200.0	H	261.0	59.5	-2.1	16.6	74
4891.875000	44.0	200.0	H	309.0	42.1	1.9	30.0	74
5472.500000	50.3	200.0	V	0.0	47.3	3.0	23.7	74
6625.625000	44.9	200.0	V	283.0	39.4	5.5	29.1	74
6925.625000	46.0	200.0	H	0.0	39.8	6.2	28.0	74

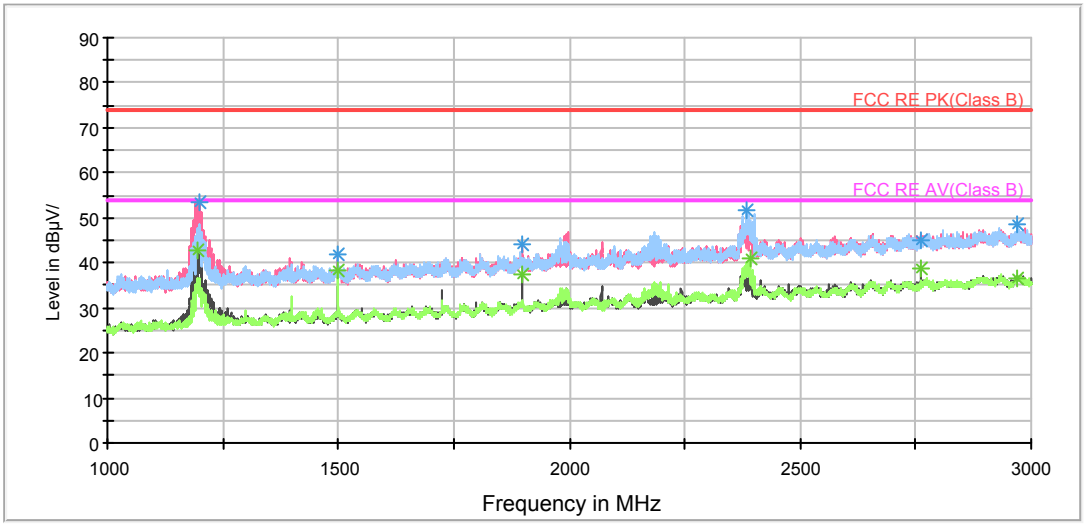
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3353.125000	25.9	200.0	H	7.0	28.2	-2.3	28.1	54
3561.875000	45.2	200.0	H	261.0	47.3	-2.1	8.8	54
4891.875000	34.2	200.0	V	326.0	32.3	1.9	19.8	54
5473.125000	40.2	200.0	V	0.0	37.2	3.0	13.8	54
6153.125000	33.2	200.0	H	292.0	27.6	5.6	20.8	54
6906.875000	36.6	200.0	V	44.0	30.3	6.3	17.4	54

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

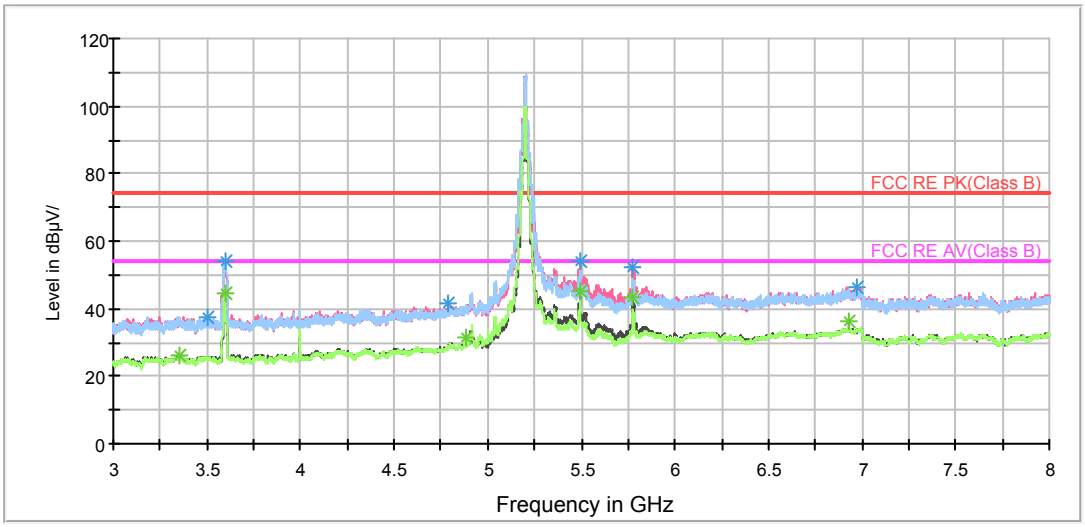
802.11a CH40

RE 1G-3GHz PK+AV



Radiates Emission from 1GHz to 3GHz

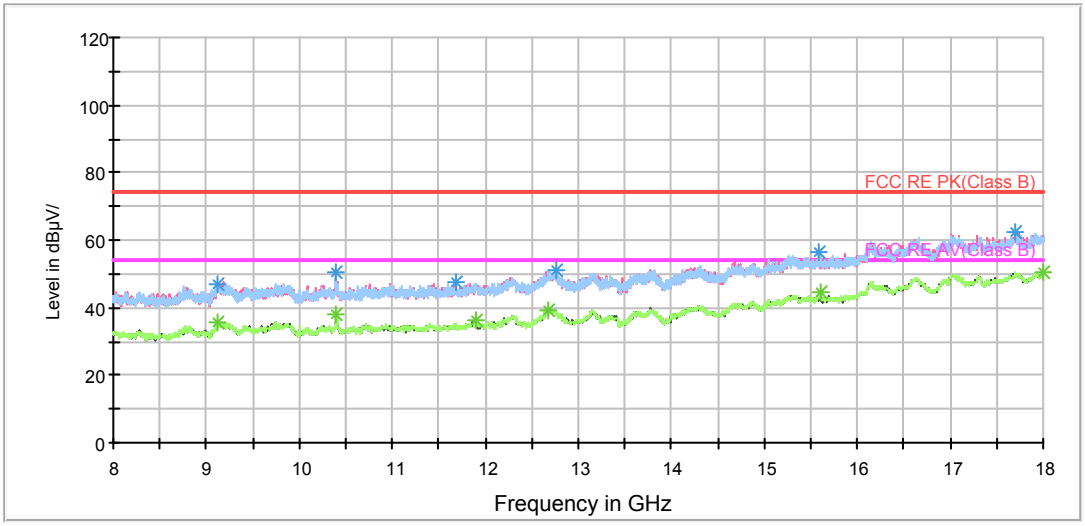
RE 3-18GHz PK+AV



Note: The signal beyond the limit is carrier.

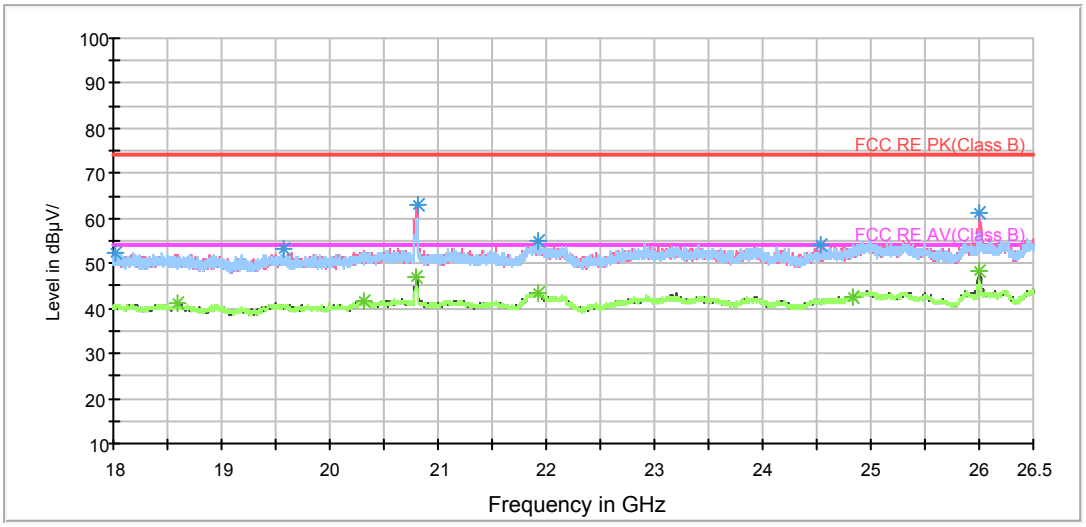
Radiates Emission from 3GHz to 8GHz

RE 3-18GHz PK+AV



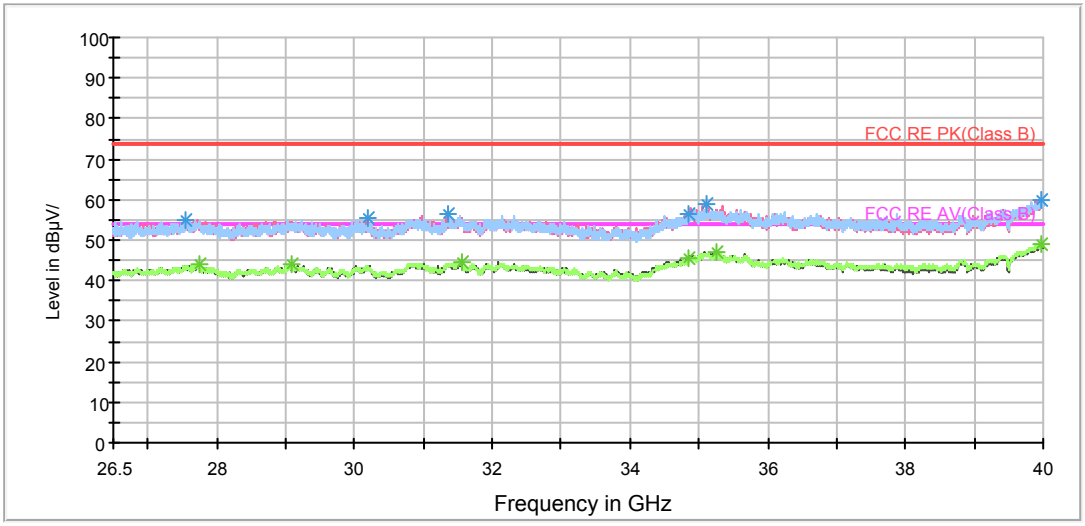
Radiates Emission from 8GHz to 18GHz

BELL_RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

BELL RE 26.5-40GHz PK+AV



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3503.125000	37.4	200.0	V	237.0	39.5	-2.1	36.6	74
3600.000000	54.3	200.0	V	354.0	56.5	-2.2	19.7	74
4790.000000	41.5	200.0	H	269.0	40.3	1.2	32.5	74
5495.000000	54.0	200.0	V	0.0	50.9	3.1	20.0	74
5776.875000	52.4	200.0	V	0.0	48.5	3.9	21.6	74
6977.500000	46.6	200.0	V	0.0	40.3	6.3	27.4	74

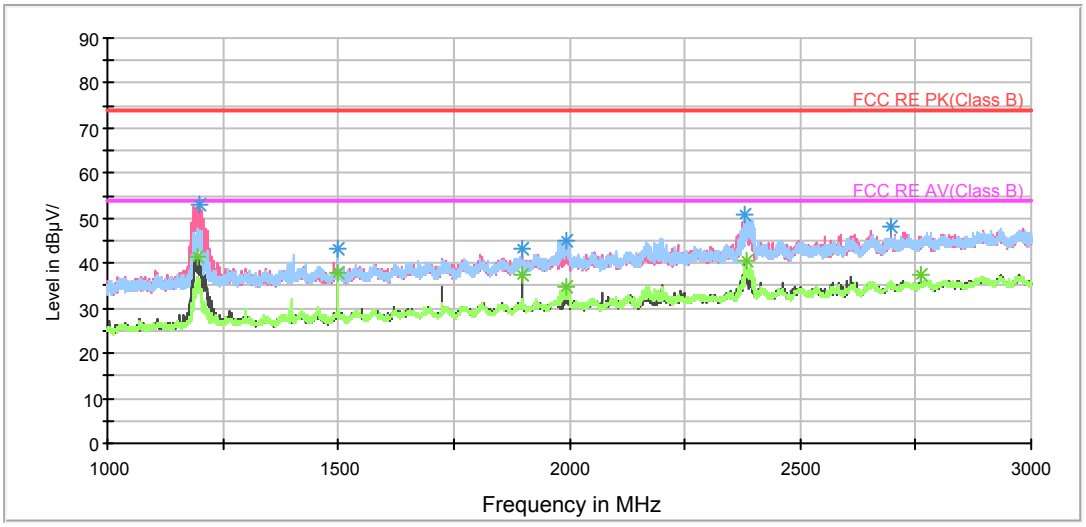
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3356.875000	26.1	200.0	V	295.0	28.4	-2.3	27.9	54
3595.000000	44.5	200.0	H	284.0	46.8	-2.3	9.5	54
4882.500000	31.2	200.0	H	254.0	29.3	1.9	22.8	54
5495.625000	44.9	200.0	V	0.0	41.8	3.1	9.1	54
5777.500000	43.1	200.0	V	0.0	39.2	3.9	10.9	54
6933.750000	36.1	200.0	V	76.0	29.9	6.2	17.9	54

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

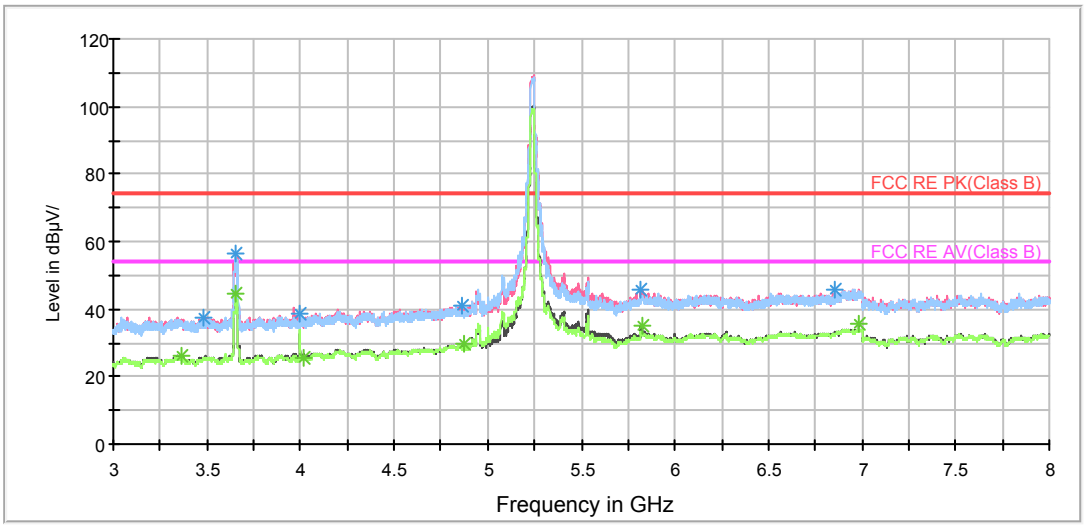
802.11a CH48

RE 1G-3GHz PK+AV



Radiates Emission from 1GHz to 3GHz

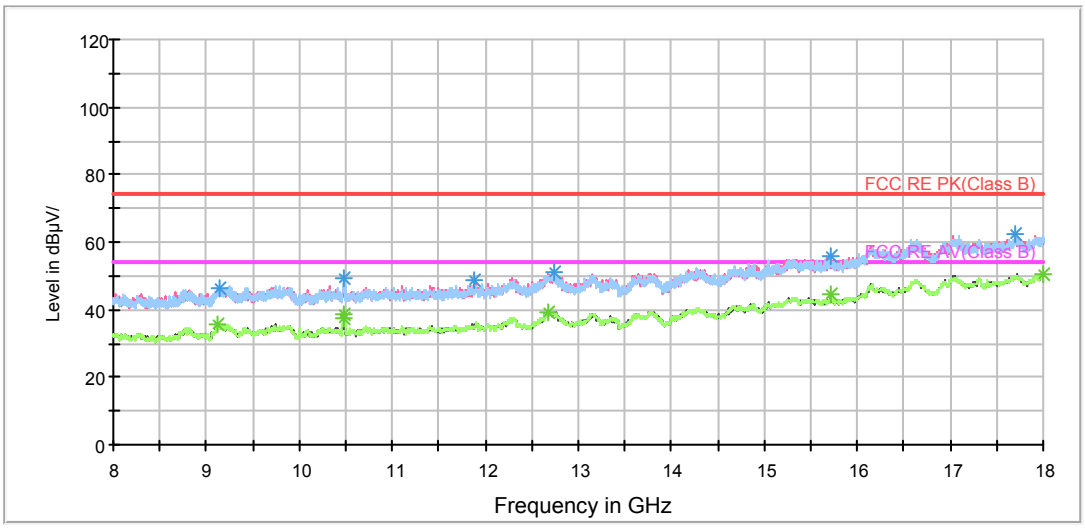
RE 3-18GHz PK+AV



Note: The signal beyond the limit is carrier.

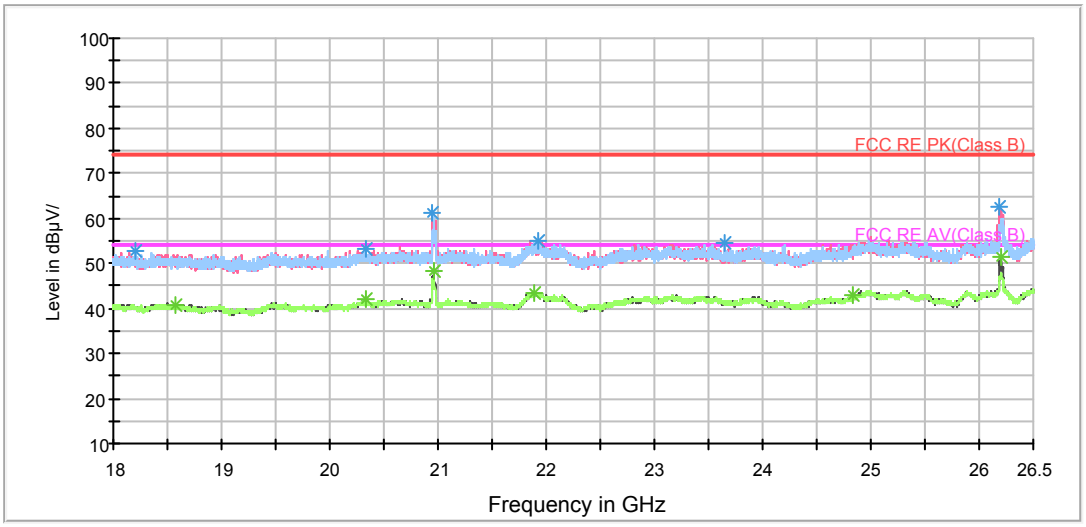
Radiates Emission from 3GHz to 8GHz

RE 3-18GHz PK+AV



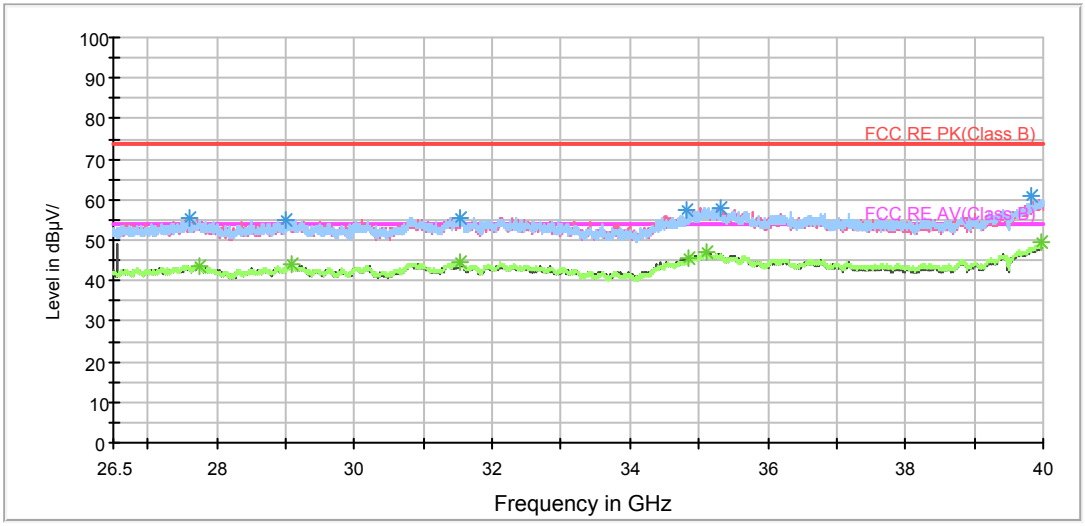
Radiates Emission from 8GHz to 18GHz

BELL_RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

BELL RE 26.5-40GHz PK+AV



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3483.125000	37.7	200.0	H	58.0	39.7	-2.0	36.3	74
3656.875000	56.2	200.0	H	283.0	58.1	-1.9	17.8	74
4000.000000	38.8	200.0	H	220.0	39.9	-1.1	35.2	74
4861.250000	41.2	200.0	V	330.0	39.5	1.7	32.8	74
5814.375000	45.7	200.0	V	9.0	41.3	4.4	28.3	74
6851.875000	45.9	200.0	H	58.0	40.0	5.9	28.1	74

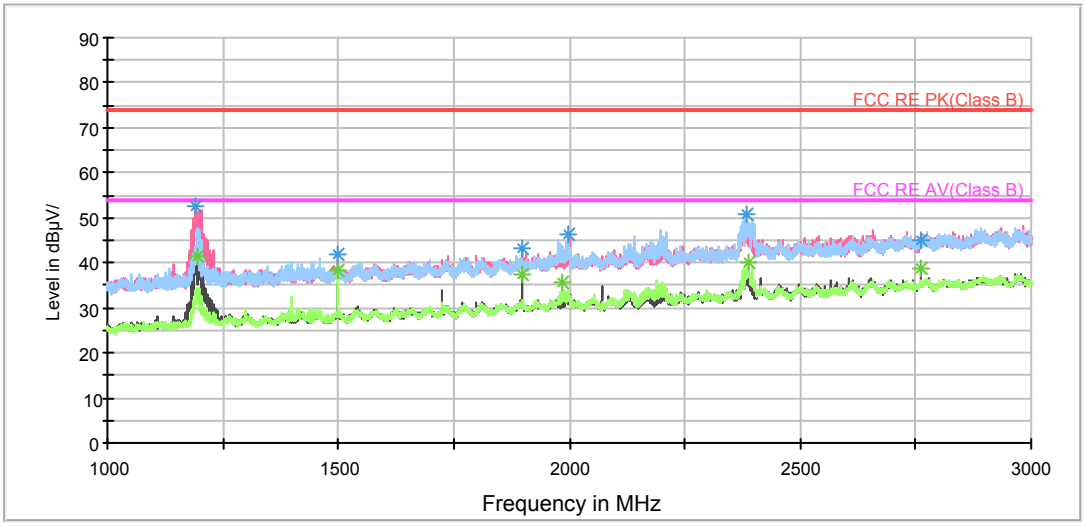
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3366.250000	26.0	200.0	V	141.0	28.4	-2.4	28.0	54
3655.000000	44.8	200.0	V	0.0	46.7	-1.9	9.2	54
4020.000000	25.4	200.0	V	201.0	26.6	-1.2	28.6	54
4868.750000	29.4	200.0	V	330.0	27.7	1.7	24.6	54
5826.875000	35.3	200.0	V	0.0	30.8	4.5	18.7	54
6986.875000	35.7	200.0	V	170.0	29.3	6.4	18.3	54

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

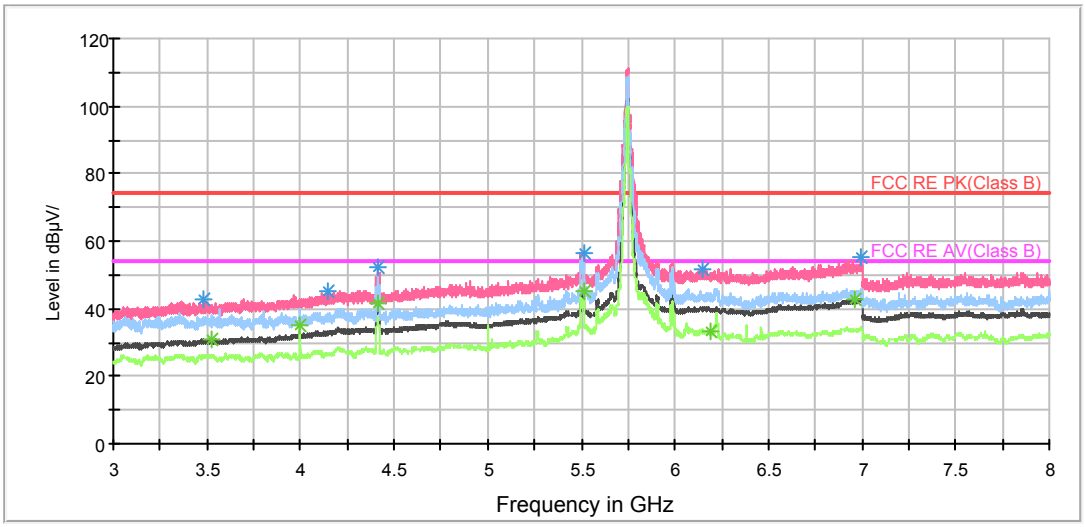
802.11a CH149

RE 1G-3GHz PK+AV



Radiates Emission from 1GHz to 3GHz

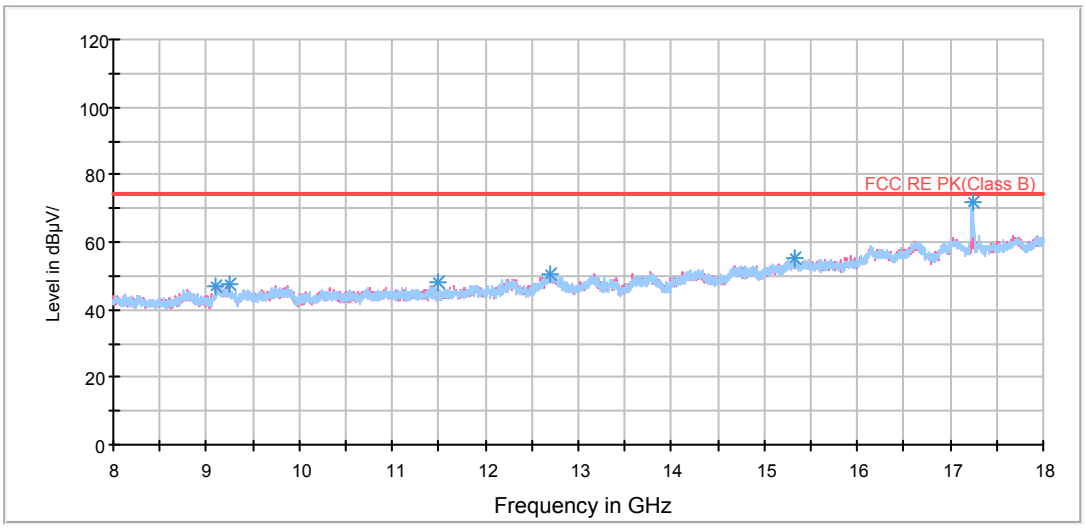
RE 3-18GHz PK+AV



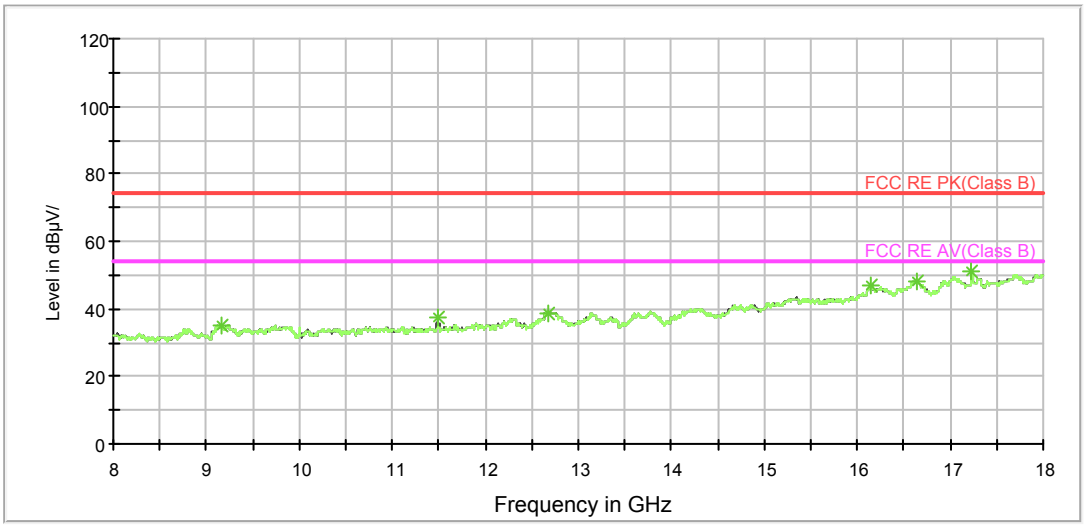
Note: The signal beyond the limit is carrier.

Radiates Emission from 3GHz to 8GHz

RE 3-18GHz PK+AV

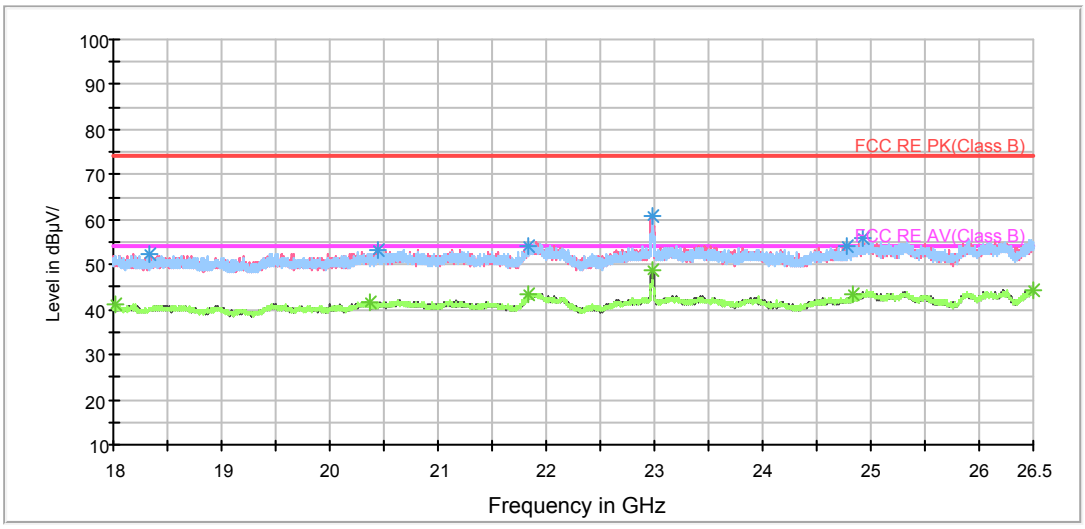


RE 3-18GHz PK+AV



Radiates Emission from 8GHz to 18GHz

BELL_RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

BELL RE 26.5-40GHz PK+AV

Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3482.500000	42.7	200.0	V	0.0	44.7	-2.0	31.3	74
4148.125000	45.0	200.0	V	0.0	45.2	-0.2	29.0	74
4417.500000	52.3	200.0	V	10.0	52.1	0.2	21.7	74
5512.500000	56.3	200.0	V	0.0	53.2	3.1	17.7	74
6150.000000	51.9	200.0	V	0.0	46.4	5.5	22.1	74
6996.875000	55.1	200.0	V	0.0	48.6	6.5	18.9	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)
3519.375000	30.7	200.0	V	0.0	32.7	-2.0	23.3	54
4000.000000	35.1	200.0	H	223.0	36.2	-1.1	18.9	54
4412.500000	41.6	200.0	V	10.0	41.4	0.2	12.4	54
5512.500000	45.4	200.0	V	0.0	42.3	3.1	8.6	54
6187.500000	33.1	200.0	H	28.0	27.7	5.4	20.9	54
6960.000000	42.7	200.0	V	0.0	36.5	6.2	11.3	54

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

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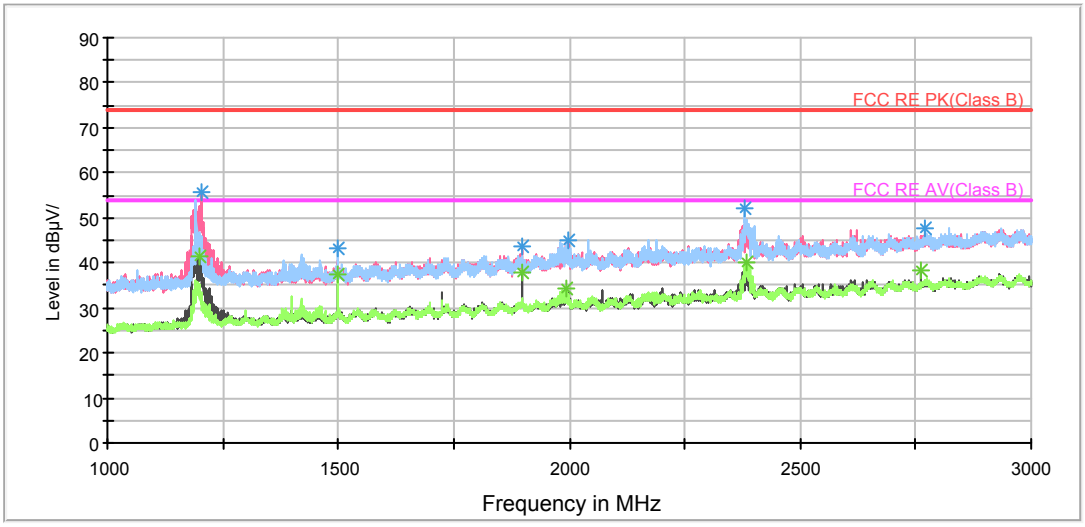
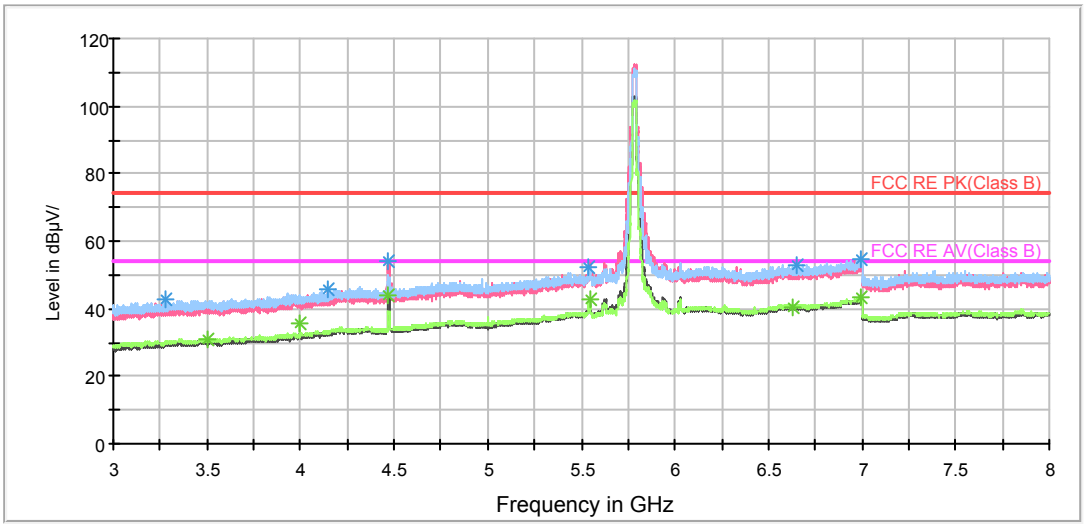
RE 1G-3GHz PK+AV



Radiates Emission from 1GHz to 3GHz

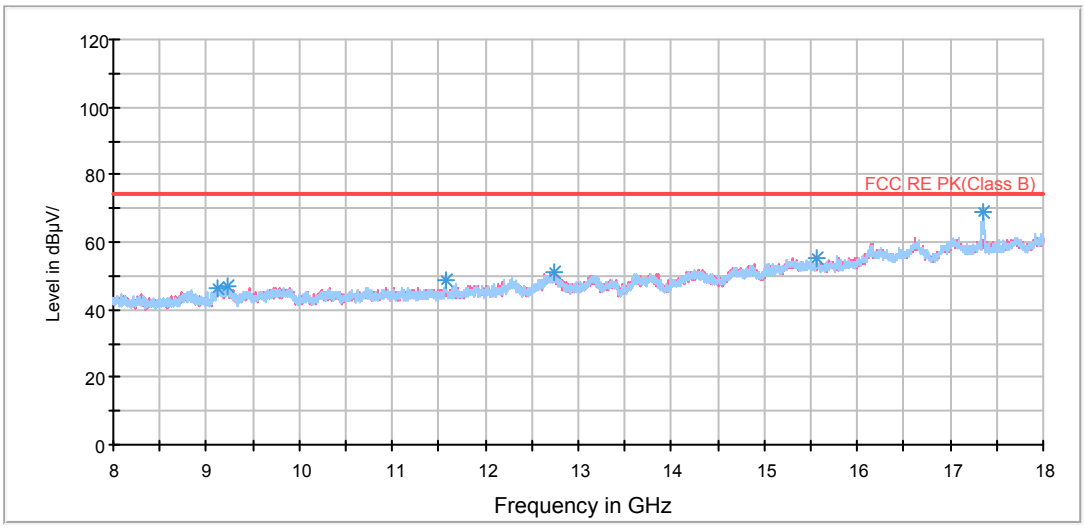
RE 3-18GHz PK+AV



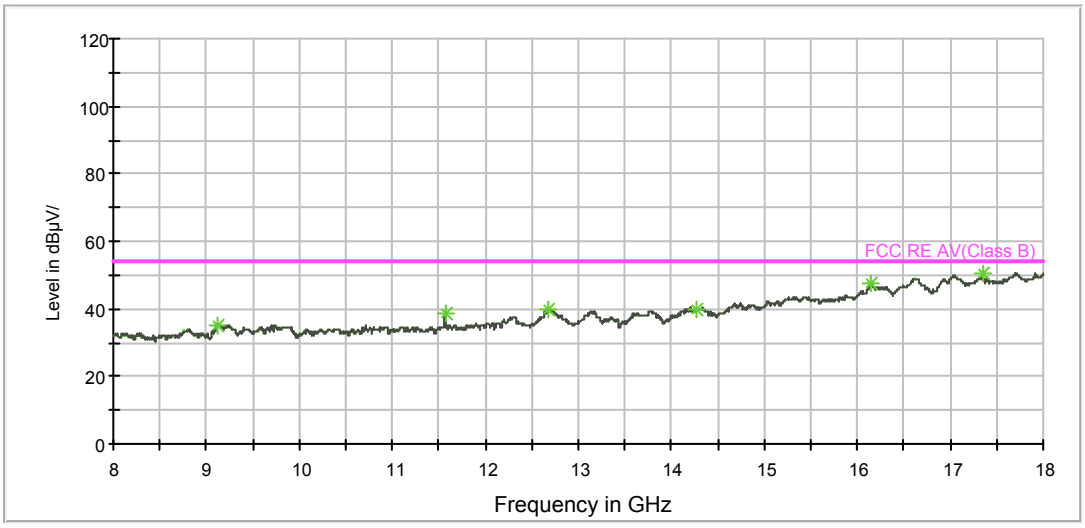
Note: The signal beyond the limit is carrier.

Radiates Emission from 3GHz to 8GHz

RE 3-18GHz PK+AV

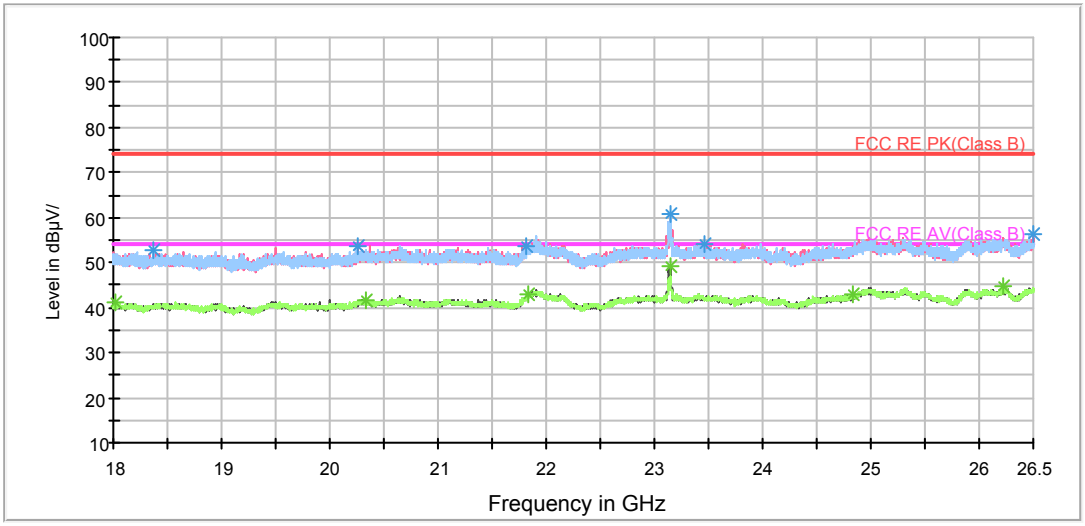


RE 3-18GHz PK+AV



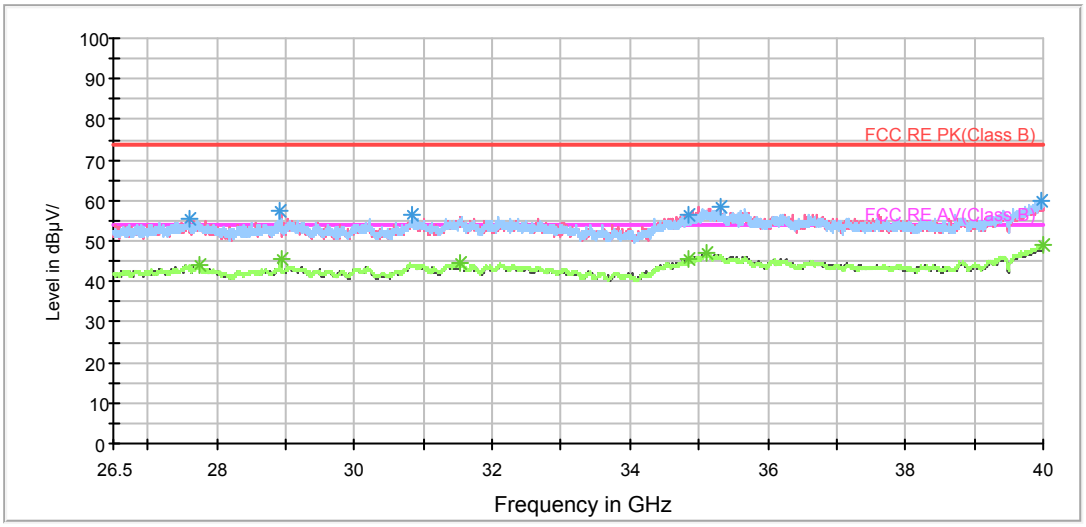
Radiates Emission from 8GHz to 18GHz

BELL_RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

BELL RE 26.5-40GHz PK+AV



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3281.250000	42.7	200.0	H	0.0	44.8	-2.1	31.3	74
4146.250000	45.8	200.0	V	0.0	46.0	-0.2	28.2	74
4471.250000	53.8	200.0	V	9.0	53.4	0.4	20.2	74
5536.875000	52.5	200.0	V	0.0	49.3	3.2	21.5	74
6653.125000	53.0	200.0	H	0.0	47.5	5.5	21.0	74
6990.625000	54.4	200.0	H	110.0	47.9	6.5	19.6	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3506.875000	31.2	200.0	H	0.0	33.2	-2.0	22.8	54
4000.000000	35.7	200.0	H	212.0	36.8	-1.1	18.3	54
4471.250000	43.7	200.0	V	9.0	43.3	0.4	10.3	54
5550.625000	43.0	200.0	H	0.0	39.8	3.2	11.0	54
6627.500000	40.2	200.0	V	0.0	34.7	5.5	13.8	54
6997.500000	43.2	200.0	H	197.0	36.7	6.5	10.8	54

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

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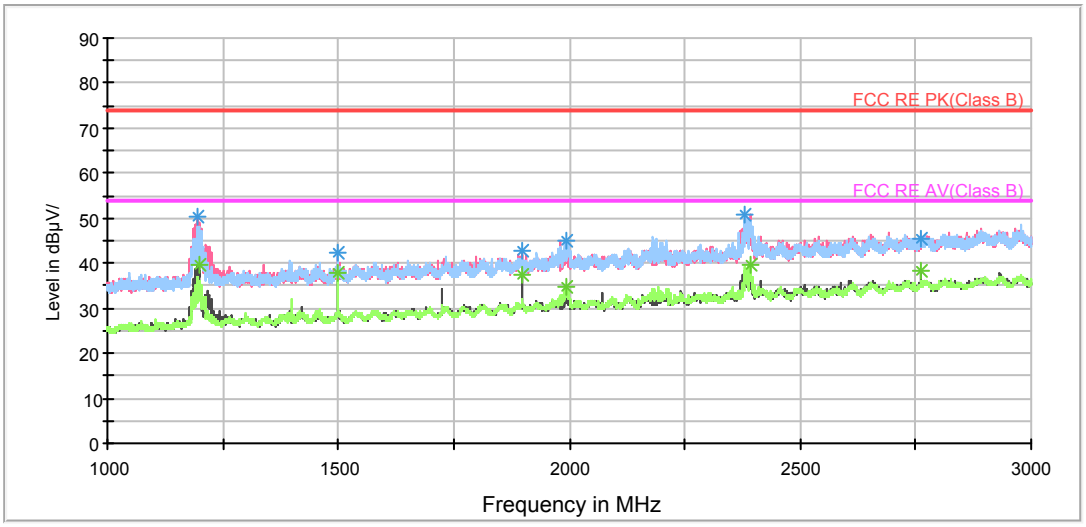
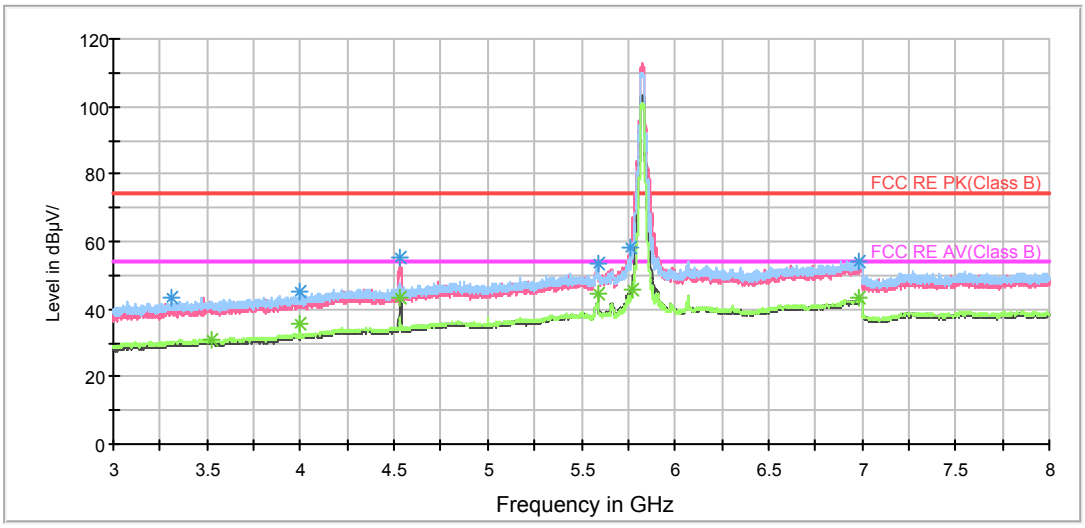
RE 1G-3GHz PK+AV



Radiates Emission from 1GHz to 3GHz

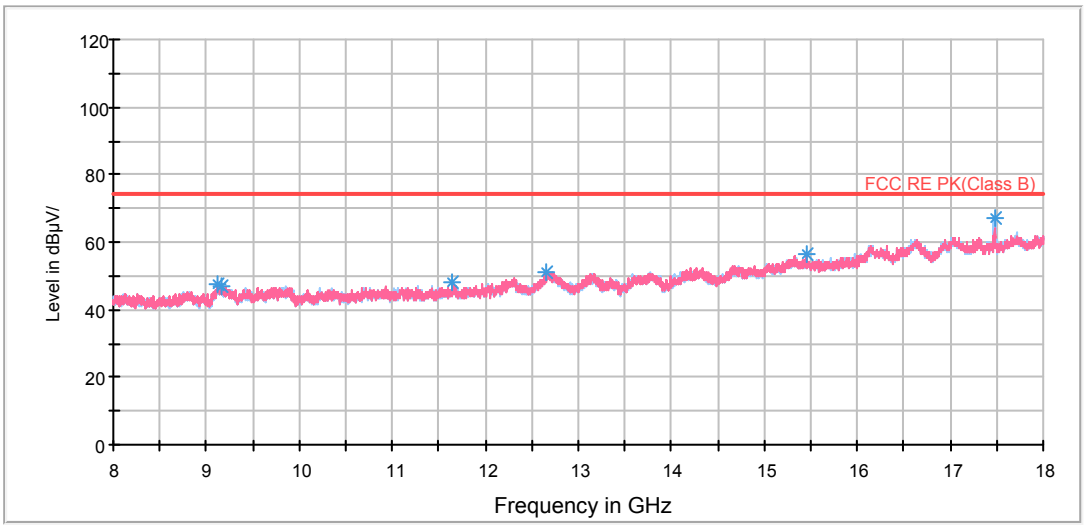
RE 3-18GHz PK+AV



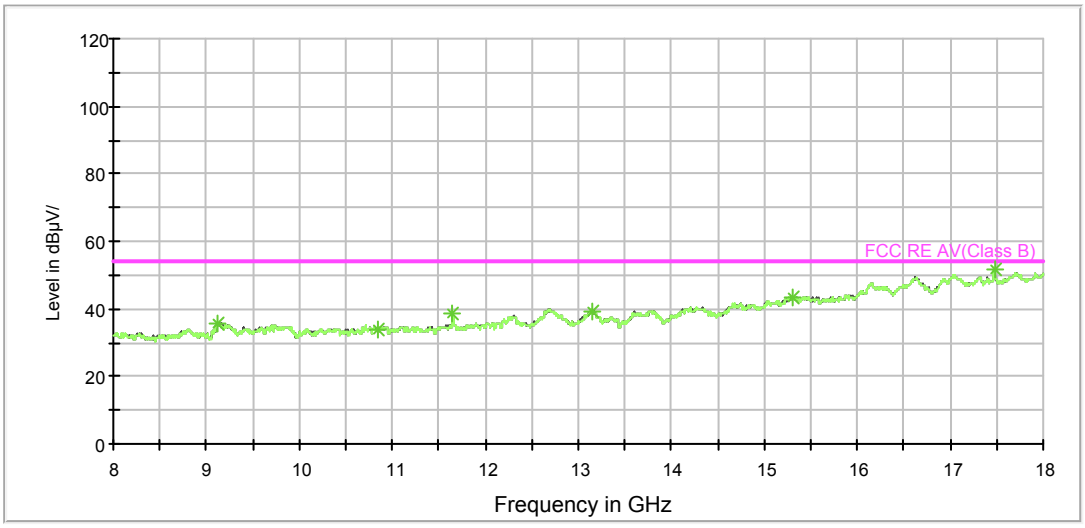
Note: The signal beyond the limit is carrier.

Radiates Emission from 3GHz to 8GHz

RE 3-18GHz PK+AV

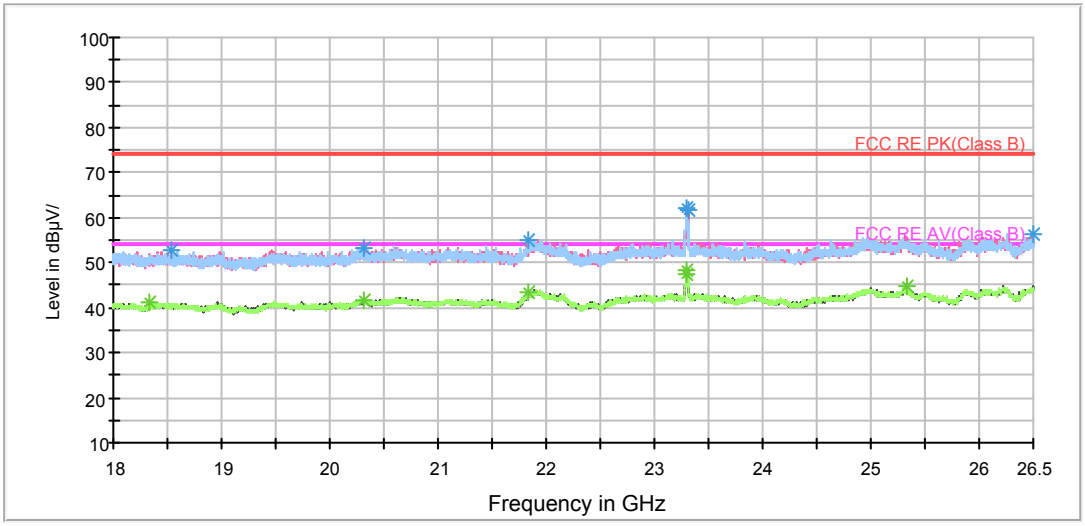


RE 3-18GHz PK+AV



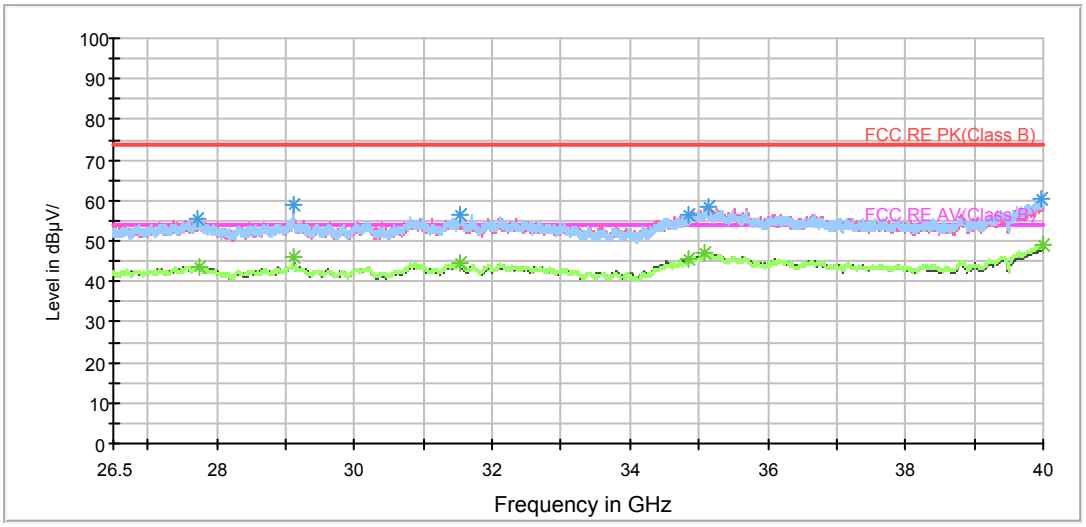
Radiates Emission from 8GHz to 18GHz

BELL_RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

BELL RE 26.5-40GHz PK+AV



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3308.125000	43.6	200.0	H	36.0	45.7	-2.1	30.4	74
3999.375000	45.1	200.0	H	215.0	46.2	-1.1	28.9	74
4533.750000	55.2	200.0	V	10.0	54.6	0.6	18.8	74
5588.125000	53.5	200.0	V	0.0	50.1	3.4	20.5	74
5766.875000	58.0	200.0	H	7.0	54.3	3.7	16.0	74
6978.750000	54.2	200.0	H	136.0	47.9	6.3	19.8	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)
3529.375000	31.0	200.0	H	0.0	33.1	-2.1	23.0	54
4000.000000	35.7	200.0	H	247.0	36.8	-1.1	18.3	54
4532.500000	43.1	200.0	V	10.0	42.5	0.6	10.9	54
5589.375000	44.3	200.0	V	0.0	40.9	3.4	9.7	54
5768.125000	45.9	200.0	V	0.0	42.2	3.7	8.1	54
6987.500000	43.2	200.0	H	0.0	36.8	6.4	10.8	54

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

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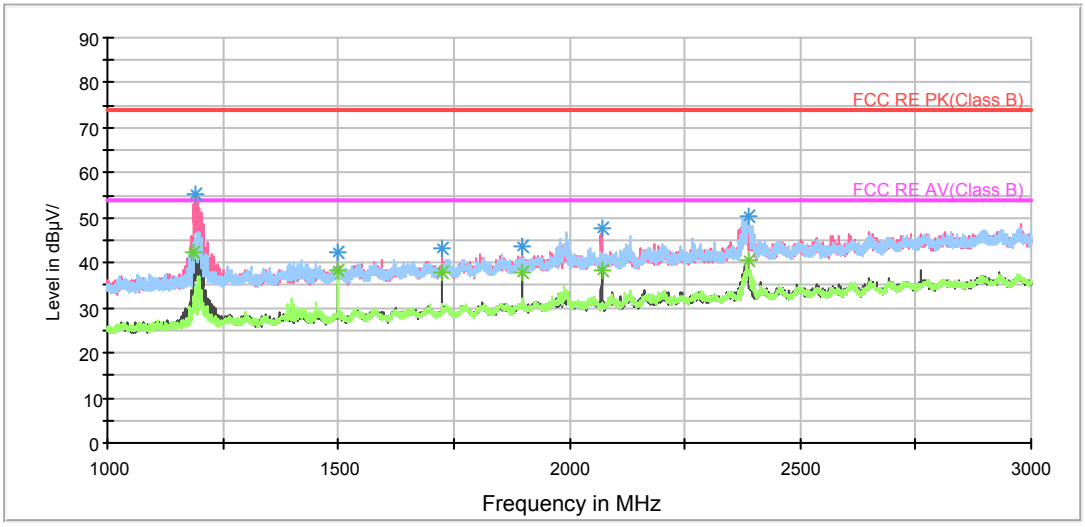
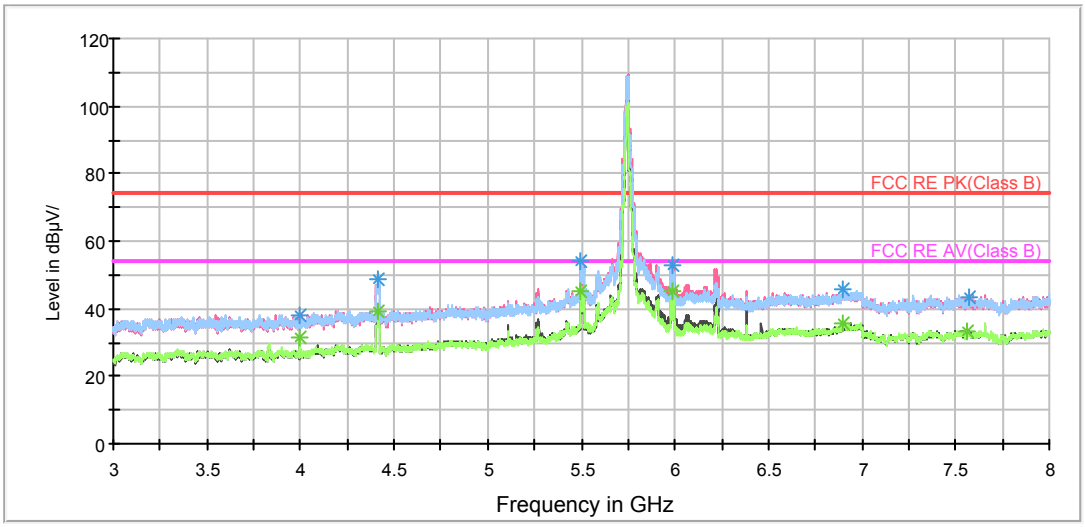
RE 1G-3GHz PK+AV



Radiates Emission from 1GHz to 3GHz

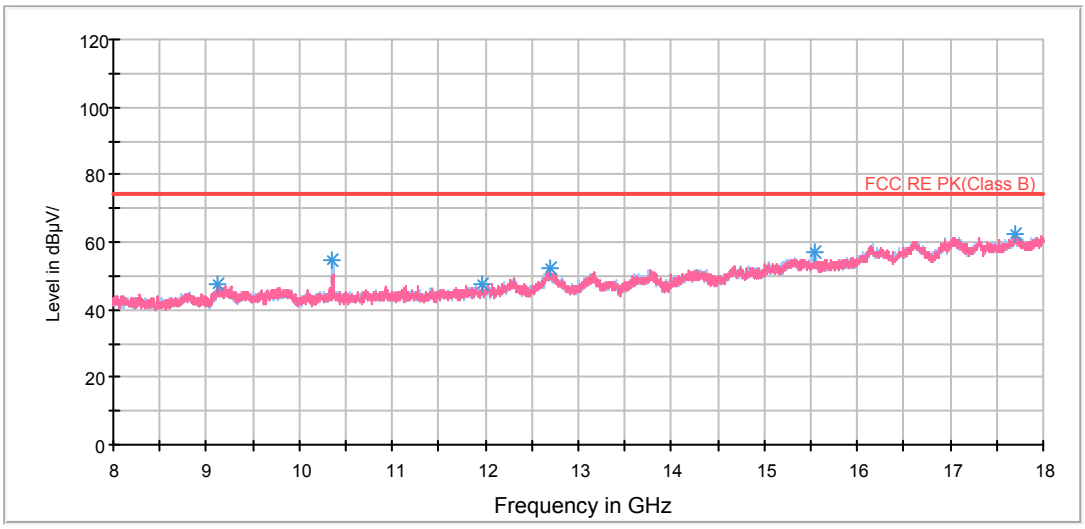
RE 3-18GHz PK+AV



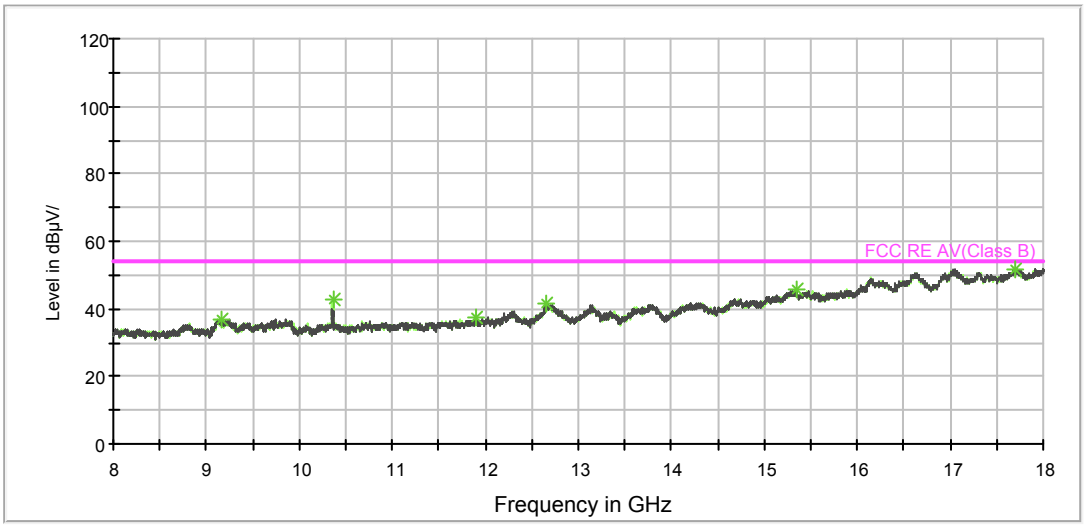
Note: The signal beyond the limit is carrier.

Radiates Emission from 3GHz to 8GHz

RE 3-18GHz PK+AV

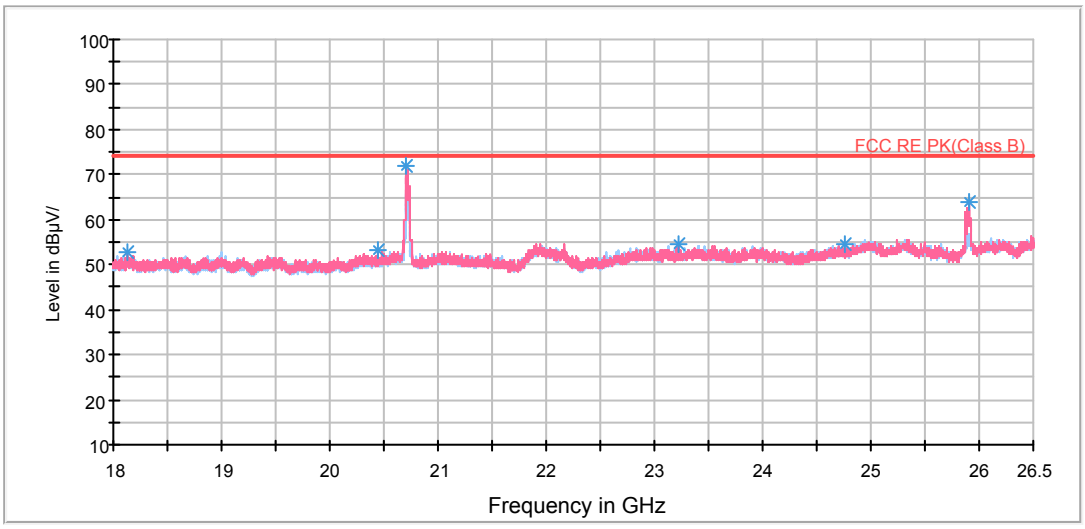


RE 3-18GHz PK+AV

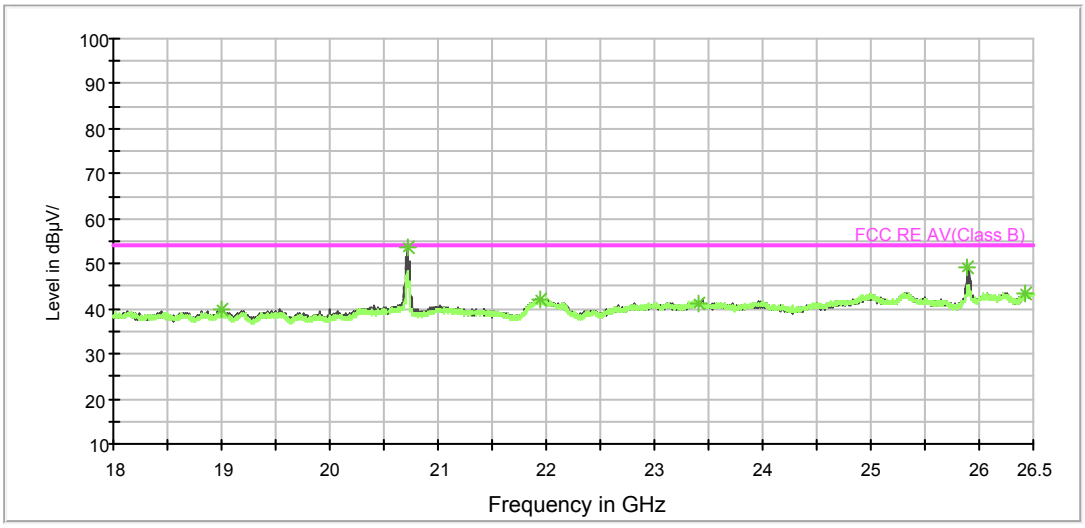


Radiates Emission from 8GHz to 18GHz

BELL_RE 18-26.5GHz PK+AV



BELL_RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

BELL RE 26.5-40GHz PK+AV

Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4000.000000	38.1	200.0	H	65.0	39.2	-1.1	35.9	74
4411.875000	48.5	200.0	H	0.0	48.3	0.2	25.5	74
5497.500000	54.2	200.0	H	0.0	51.1	3.1	19.8	74
5990.625000	52.7	200.0	V	204.0	47.9	4.8	21.3	74
6898.125000	45.6	200.0	H	159.0	39.4	6.2	28.4	74
7572.500000	43.4	200.0	V	346.0	36.3	7.1	30.6	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
4000.000000	31.6	200.0	H	65.0	32.7	-1.1	22.4	54
4413.750000	39.4	200.0	V	315.0	39.2	0.2	14.6	54
5497.500000	45.0	200.0	H	0.0	41.9	3.1	9.0	54
5990.625000	45.4	200.0	V	204.0	40.6	4.8	8.6	54
6900.625000	35.6	200.0	V	96.0	29.3	6.3	18.4	54
7563.125000	33.0	200.0	H	190.0	26.0	7.0	21.0	54

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

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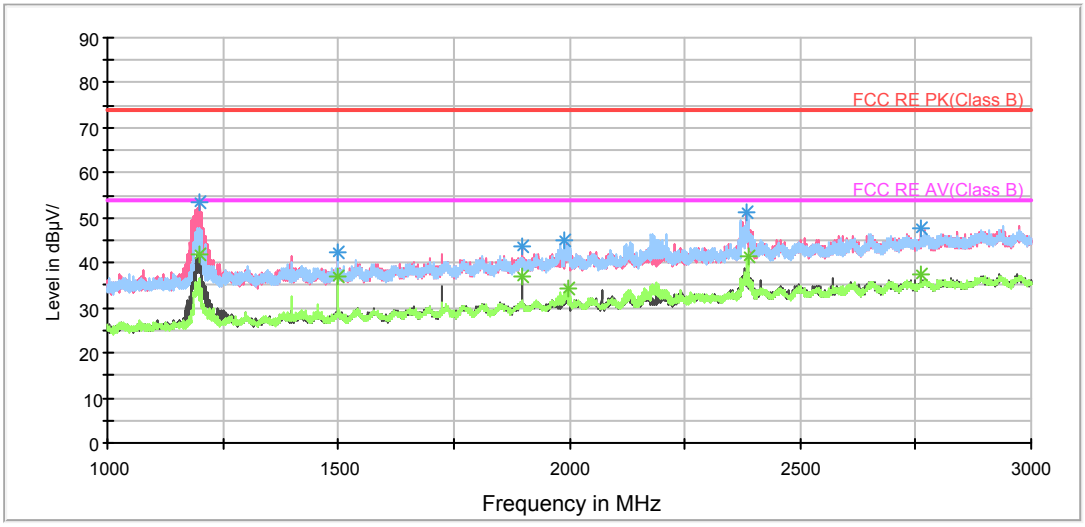
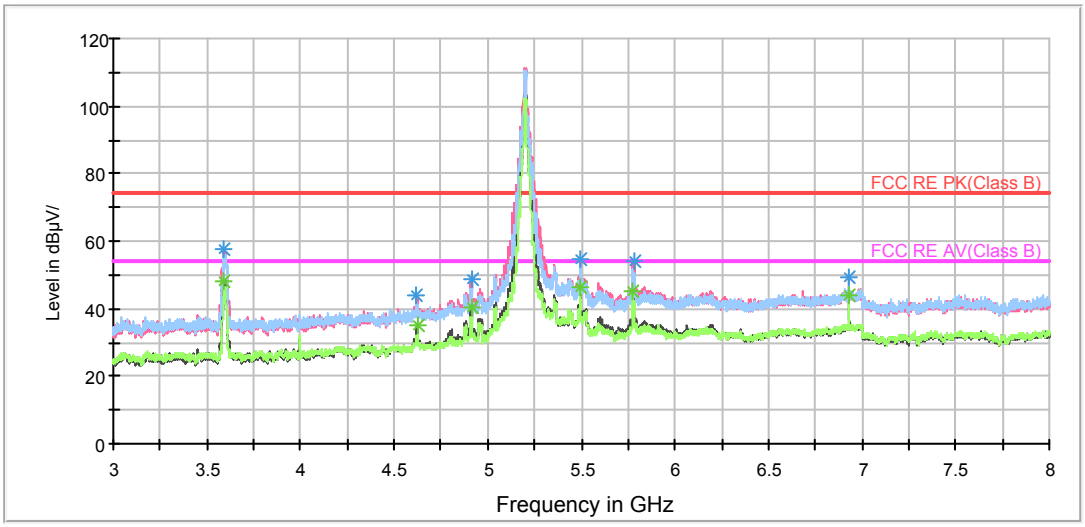
RE 1G-3GHz PK+AV



Radiates Emission from 1GHz to 3GHz

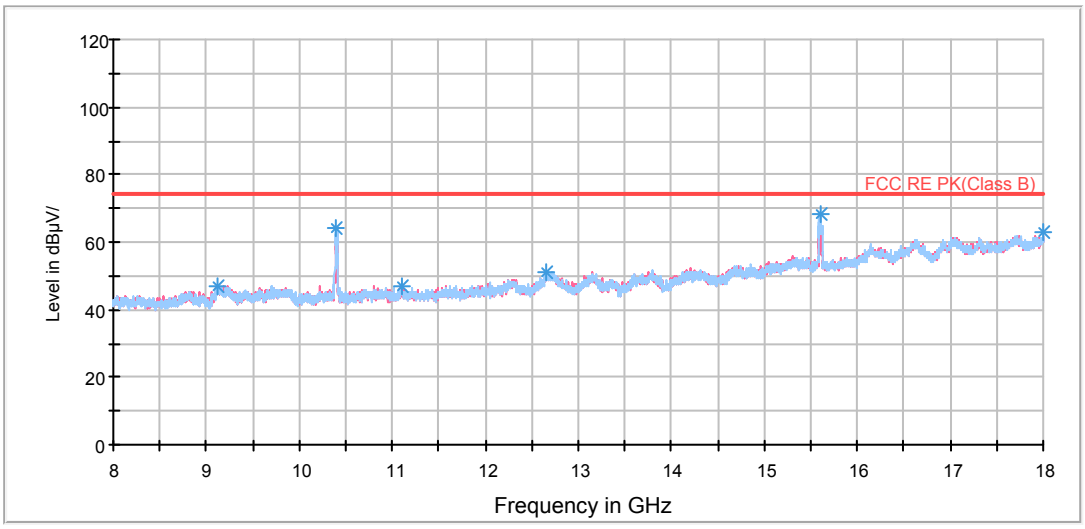
RE 3-18GHz PK+AV



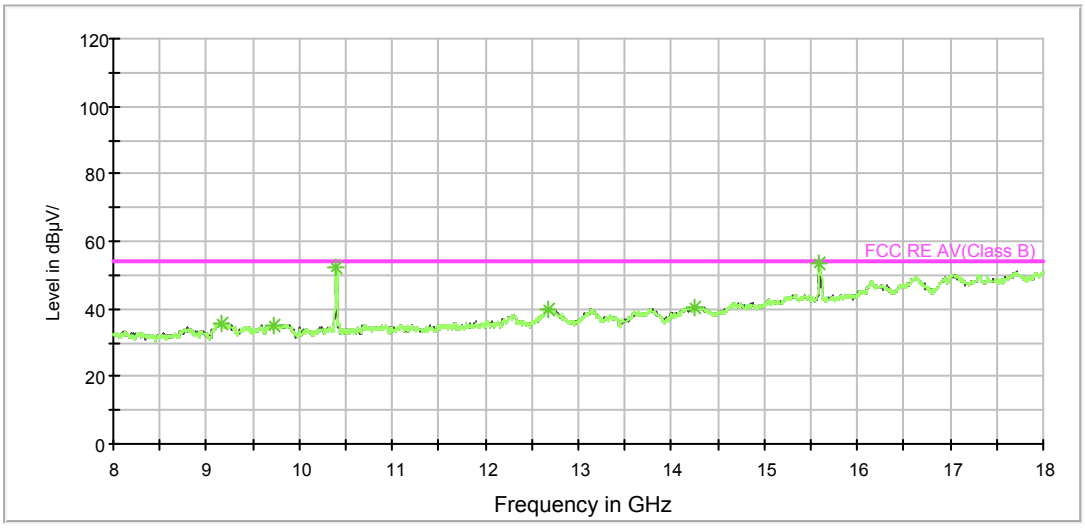
Note: The signal beyond the limit is carrier.

Radiates Emission from 3GHz to 8GHz

RE 3-18GHz PK+AV

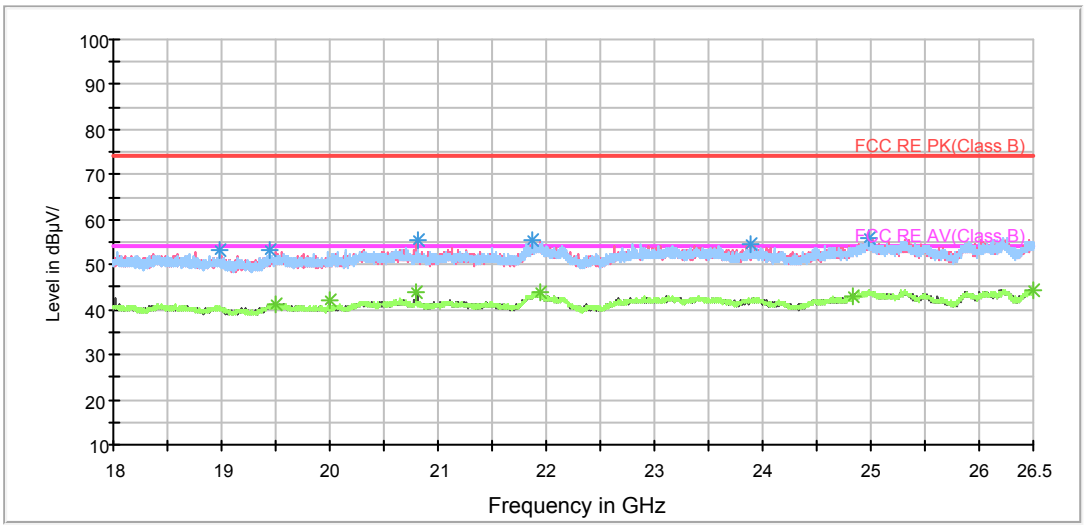


RE 3-18GHz PK+AV

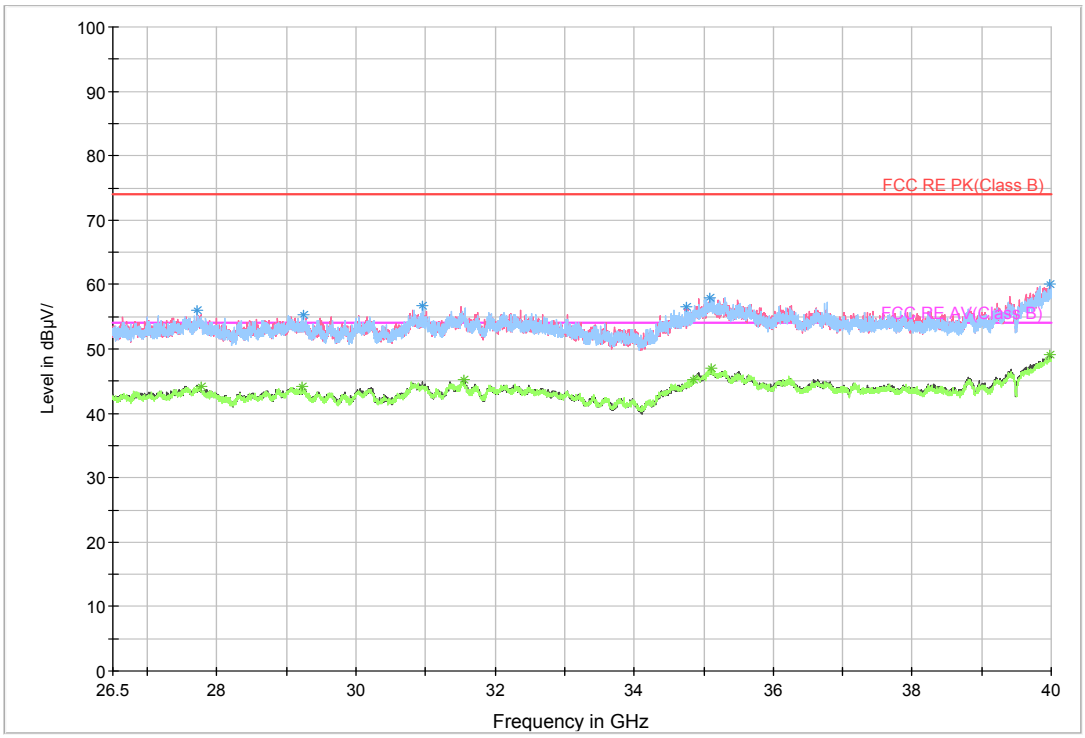


Radiates Emission from 8GHz to 18GHz

BELL_RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3591.875000	57.8	200.0	V	0.0	60.1	-2.3	16.2	74
4620.625000	44.0	200.0	V	248.0	43.1	0.9	30.0	74
4918.750000	48.6	200.0	V	298.0	46.7	1.9	25.4	74
5496.875000	54.9	200.0	V	177.0	51.8	3.1	19.1	74
5780.000000	54.2	200.0	V	194.0	50.2	4.0	19.8	74
6933.125000	49.5	200.0	V	298.0	43.3	6.2	24.5	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)
3593.750000	48.3	200.0	V	354.0	50.6	-2.3	5.7	54
4626.250000	34.8	200.0	V	322.0	33.9	0.9	19.2	54
4918.750000	40.5	200.0	V	298.0	38.6	1.9	13.5	54
5496.875000	46.3	200.0	V	177.0	43.2	3.1	7.7	54
5777.500000	45.0	200.0	V	298.0	41.1	3.9	9.0	54
6933.750000	43.8	200.0	V	298.0	37.6	6.2	10.2	54

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

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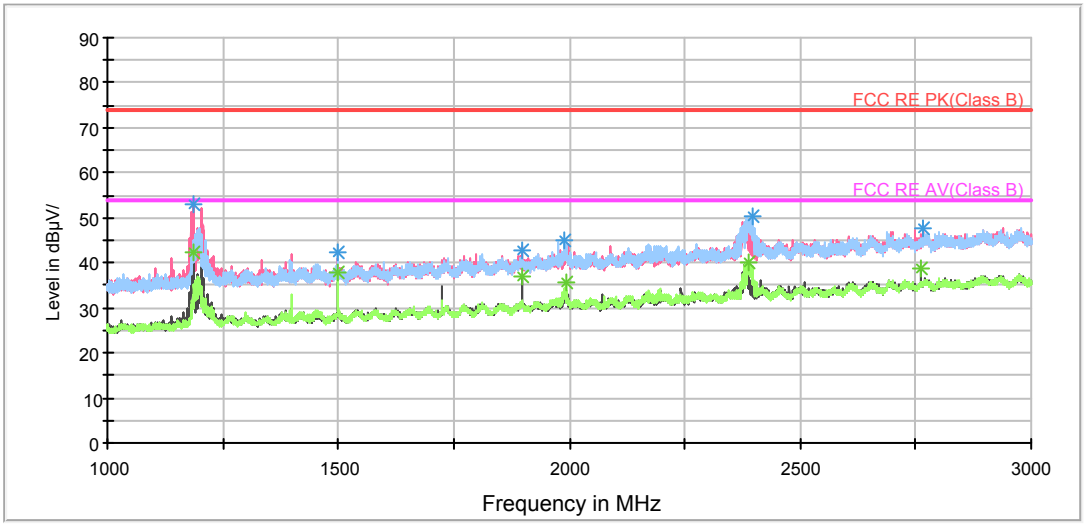
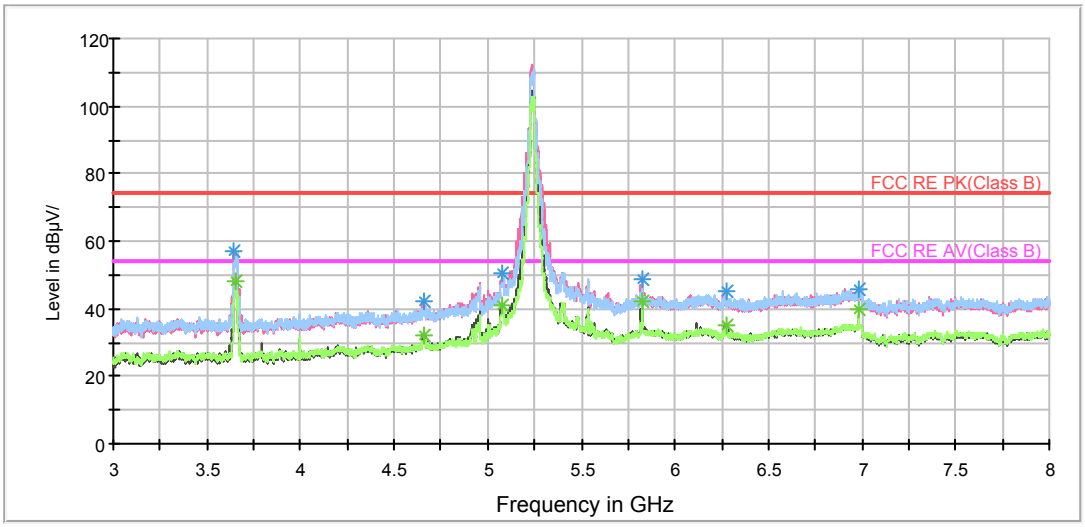
RE 1G-3GHz PK+AV



Radiates Emission from 1GHz to 3GHz

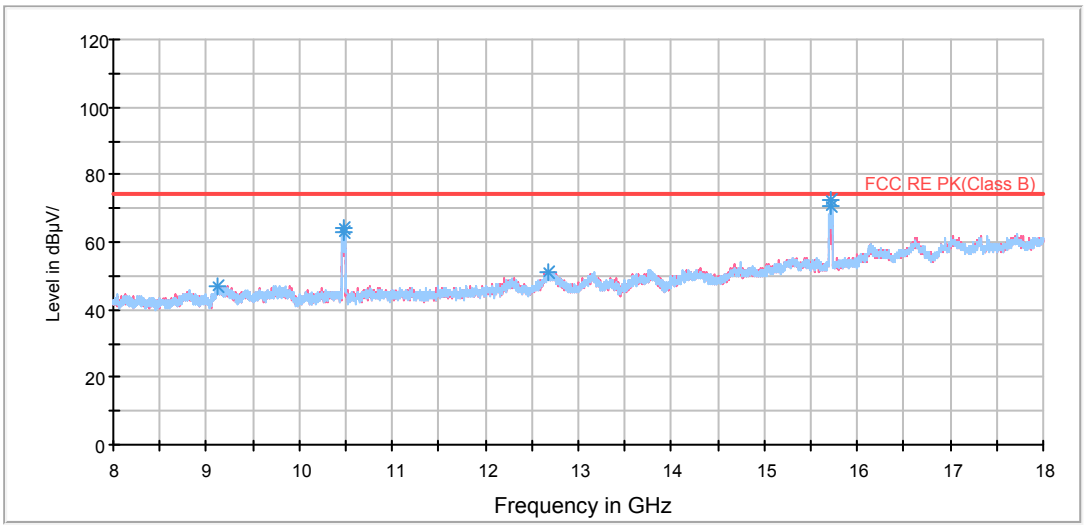
RE 3-18GHz PK+AV



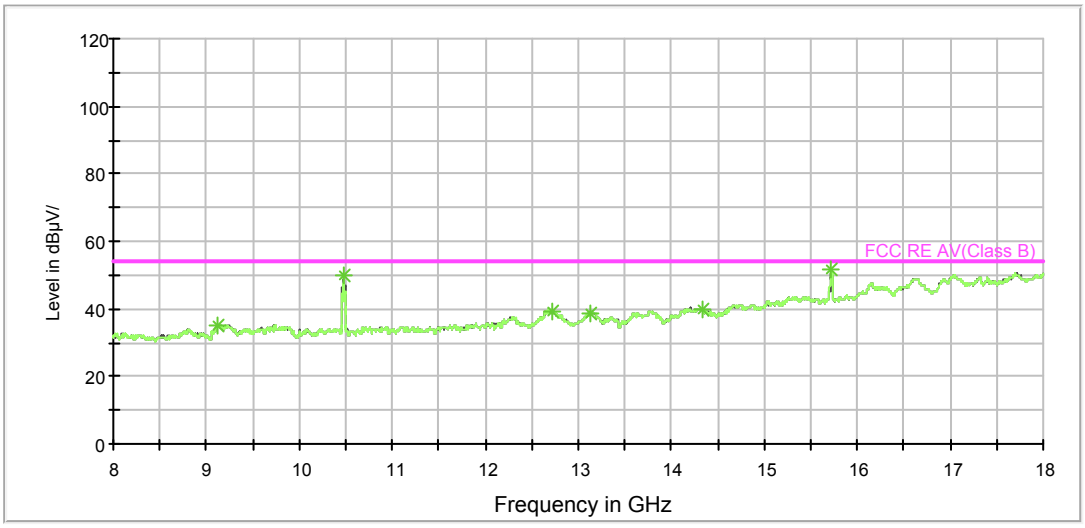
Note: The signal beyond the limit is carrier.

Radiates Emission from 3GHz to 8GHz

RE 3-18GHz PK+AV

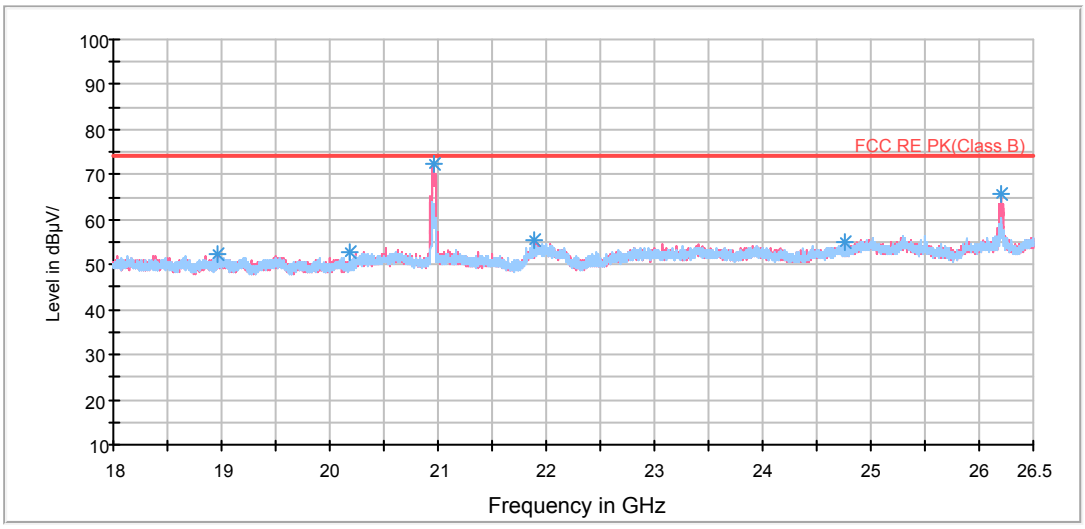


RE 3-18GHz PK+AV

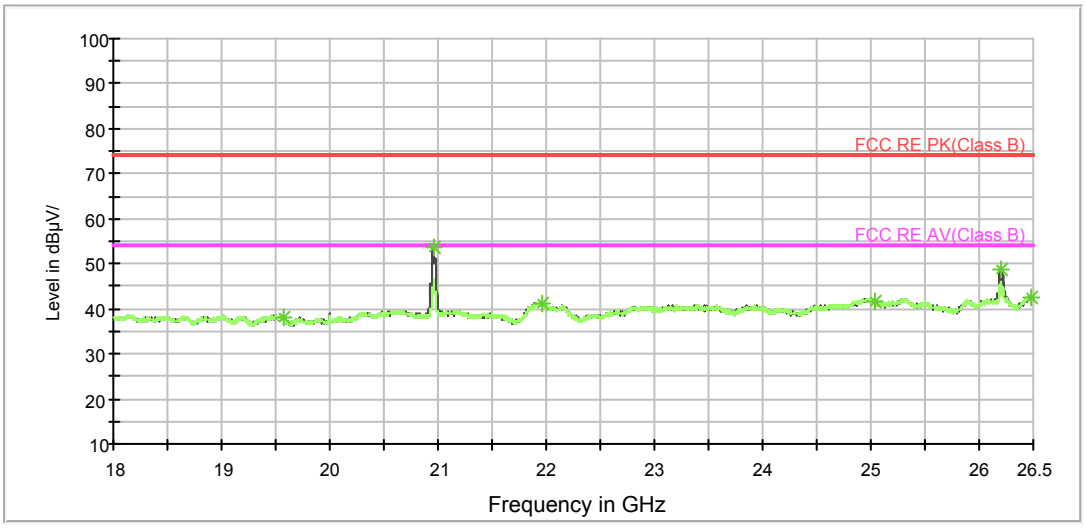


Radiates Emission from 8GHz to 18GHz

BELL_RE 18-26.5GHz PK+AV

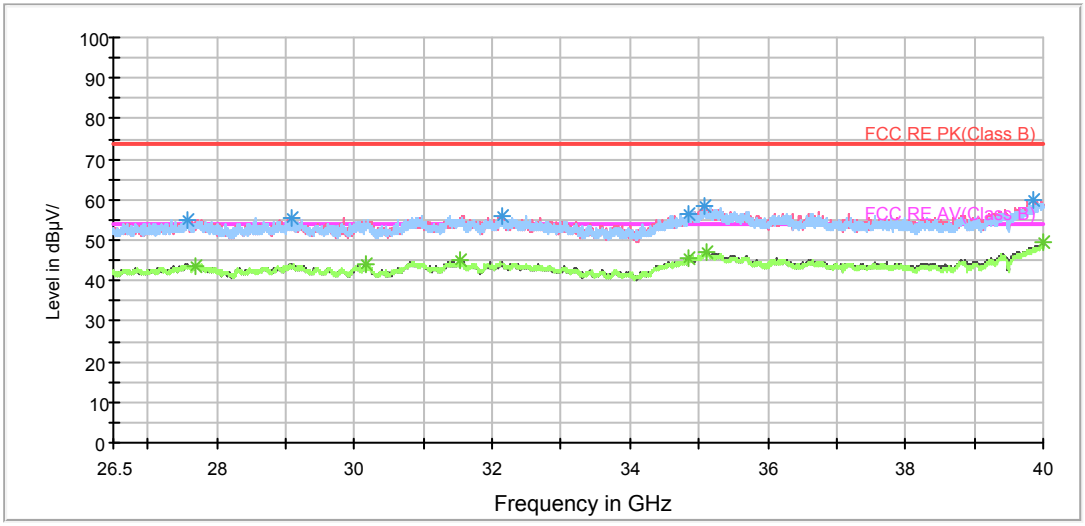


BELL_RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

BELL RE 26.5-40GHz PK+AV



Radiates Emission from 26.5GHz to 40GHz

Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
3647.500000	57.3	200.0	V	0.0	59.2	-1.9	16.7	74
4663.125000	42.3	200.0	V	303.0	41.6	0.7	31.7	74
5076.250000	50.5	200.0	V	2.0	48.9	1.6	23.5	74
5822.500000	48.5	200.0	V	326.0	44.0	4.5	25.5	74
6275.000000	44.9	200.0	V	0.0	39.5	5.4	29.1	74
6986.875000	45.8	200.0	H	16.0	39.4	6.4	28.2	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)
3653.125000	47.9	200.0	V	0.0	49.8	-1.9	6.1	54
4662.500000	32.3	200.0	V	56.0	31.6	0.7	21.7	54
5076.250000	41.3	200.0	V	2.0	39.7	1.6	12.7	54
5822.500000	42.2	200.0	V	326.0	37.7	4.5	11.8	54
6273.750000	35.2	200.0	V	350.0	29.8	5.4	18.8	54
6986.875000	40.0	200.0	H	16.0	33.6	6.4	14.0	54

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