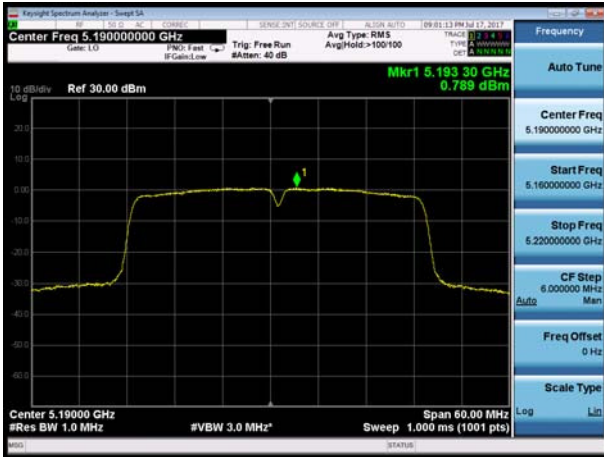


U-NII-1, 802.11n HT40, Channel No.: 38



U-NII-1, 802.11n HT40, Channel No.: 46



U-NII-2A, 802.11a, Channel No.: 52



U-NII-2A, 802.11n HT20, Channel No.: 52



U-NII-2A, 802.11a, Channel No.: 60



U-NII-2A, 802.11n HT20, Channel No.: 60





U-NII-2A, 802.11a, Channel No.: 64



U-NII-2A, 802.11n HT20, Channel No.: 64



U-NII-2A, 802.11n HT40, Channel No.: 54



U-NII-2A, 802.11n HT40, Channel No.: 62



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

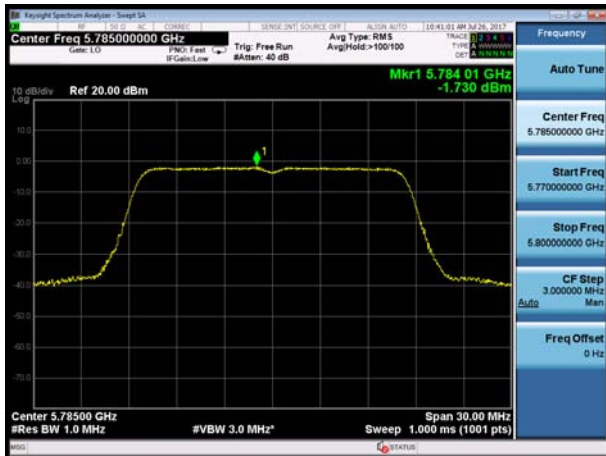


U-NII-3, 802.11n HT20, Channel No.: 149

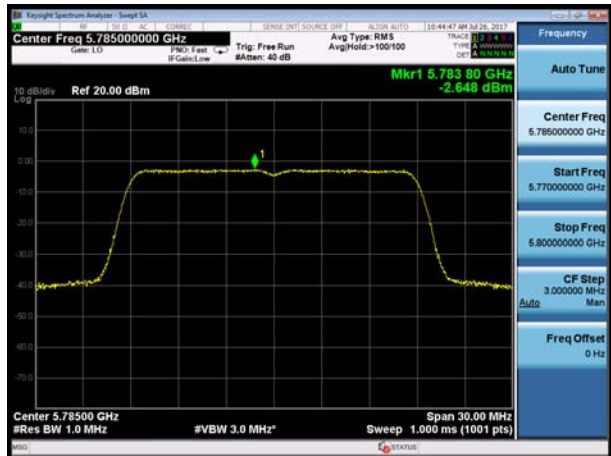




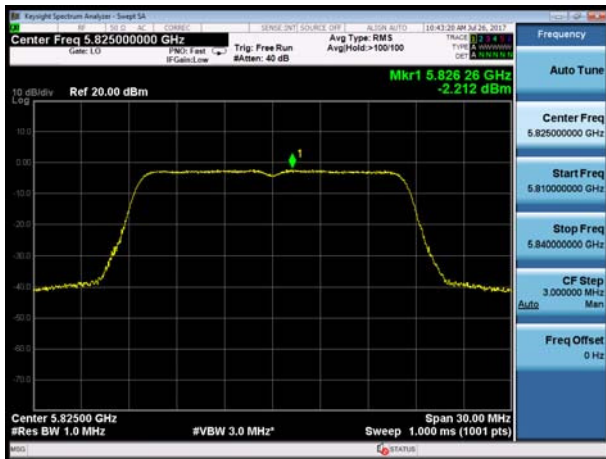
U-NII-3, 802.11a, Channel No.: 157



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



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



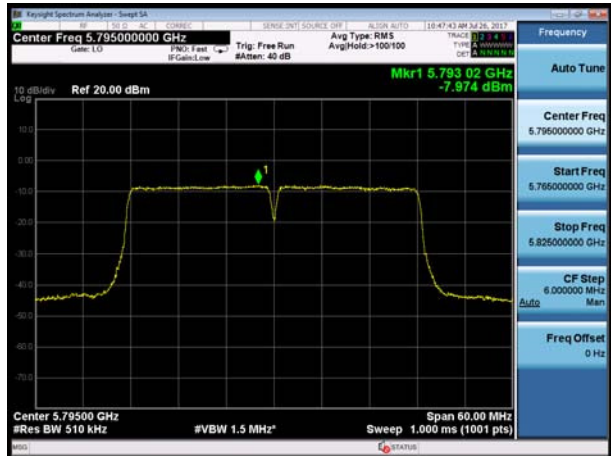
U-NII-3, 802.11n HT20, Channel No.: 165



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



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



## 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):

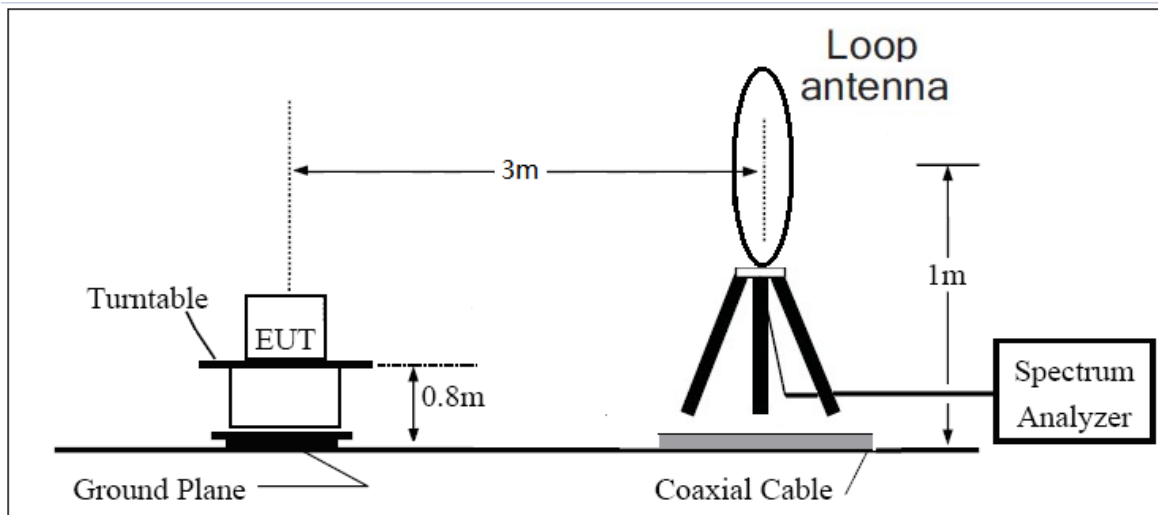
(a) PEAK: RBW=1MHz VBW=3MHz/ Sweep=AUTO

(b) AVERAGE: RBW=1MHz / VBW=3MHz / Sweep=AUTO

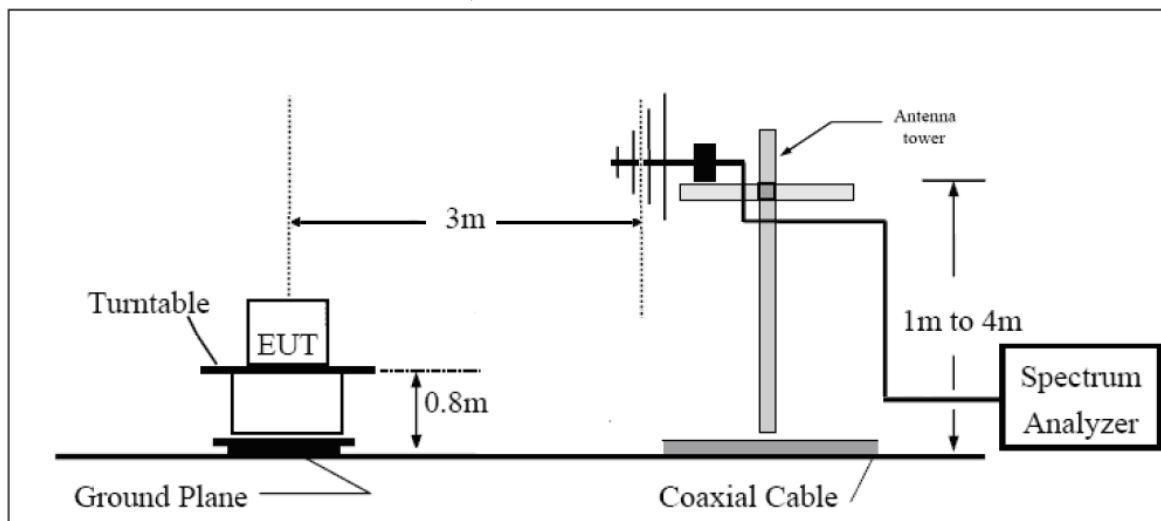
The radiated emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in stand-up position (Z axis) and the worst case was recorded.

The test is in transmitting mode.

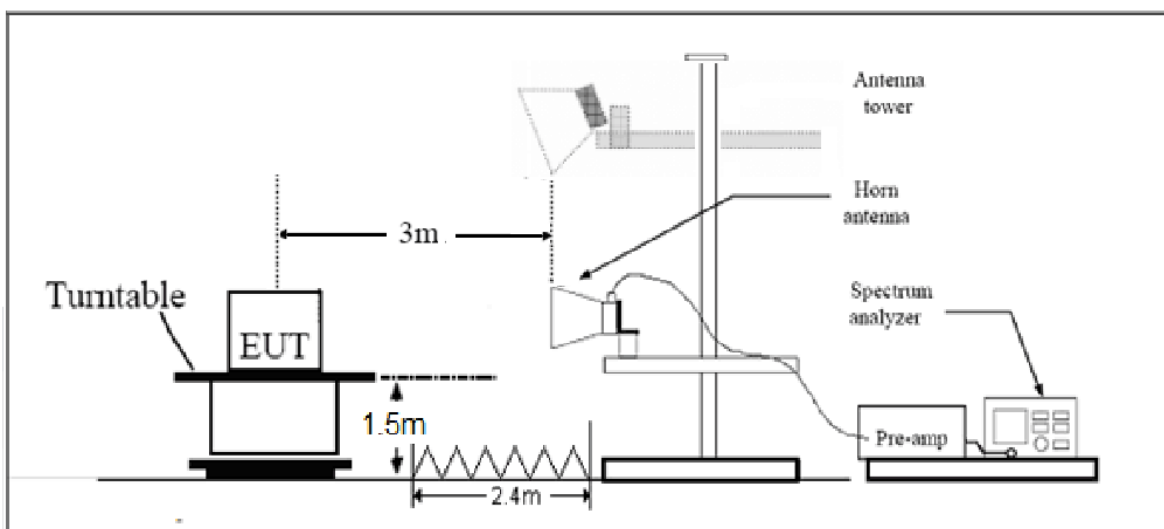
9KHz~~~30MHz



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、  $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] - 20 \log(d[\text{meters}]) + 104.77$ , where E = field strength and

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

§2、  $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] + 95.2$ , 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
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	( <sup>2</sup> )
13.36 - 13.41			

### Measurement Uncertainty

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

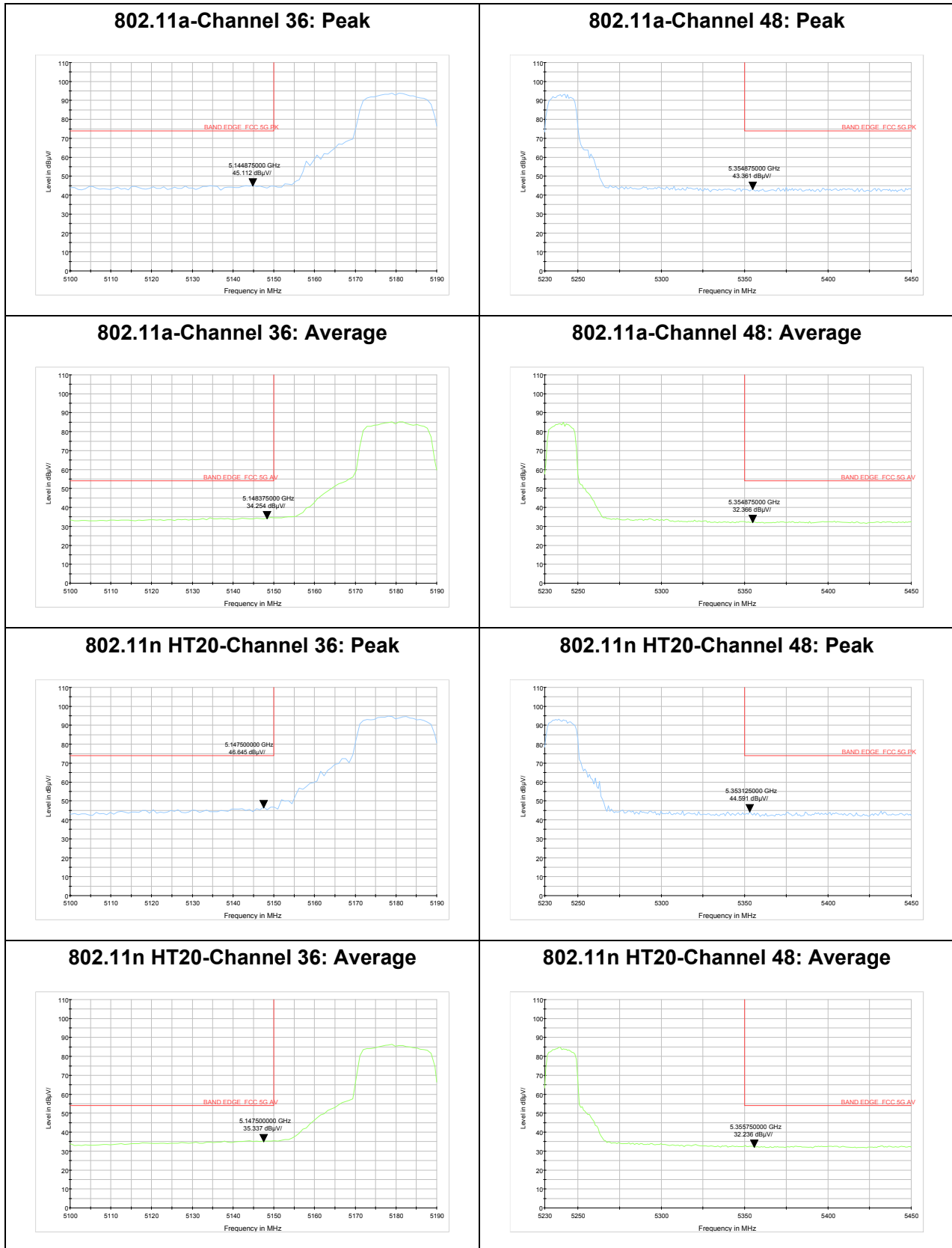
Frequency	Uncertainty
9KHz-30MHz	3.55 dB
30MHz-200MHz	4.19 dB
200MHz-1GHz	3.63 dB
1GHz-26.5G	3.68 dB
26.5G-40GHz	4.76dB



**Test Results:**

The signal beyond the limit is carrier.

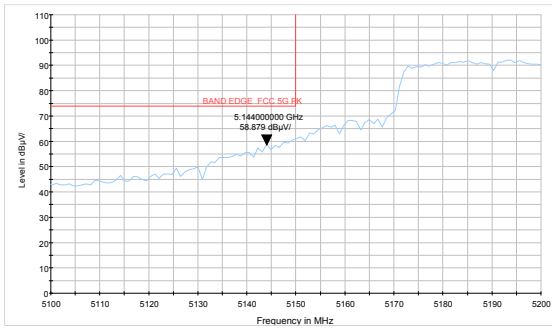
**U-NII-1**



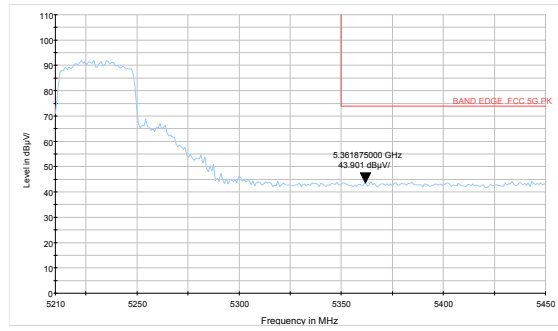




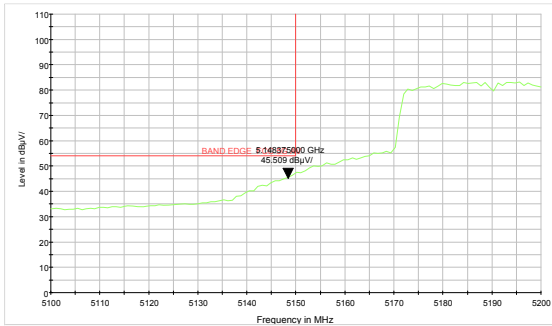
### 802.11n HT40-Channel 38: Peak



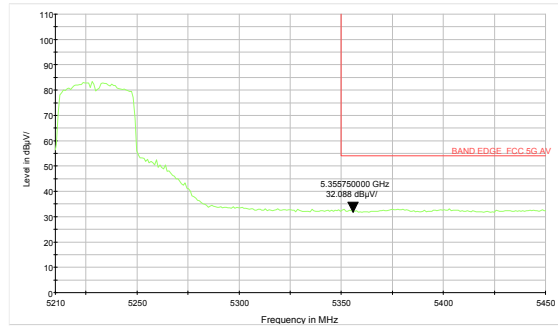
### 802.11n HT40-Channel 46: Peak



### 802.11n HT40-Channel 38: Average



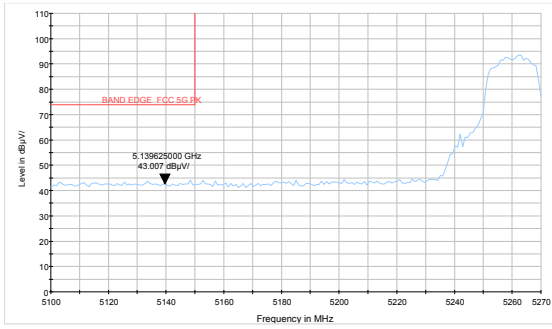
### 802.11n HT40-Channel 46: Average



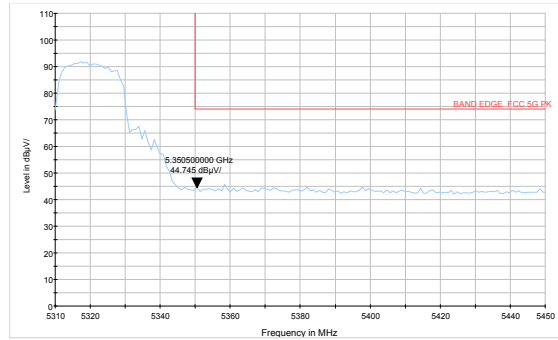


U-NII-2A

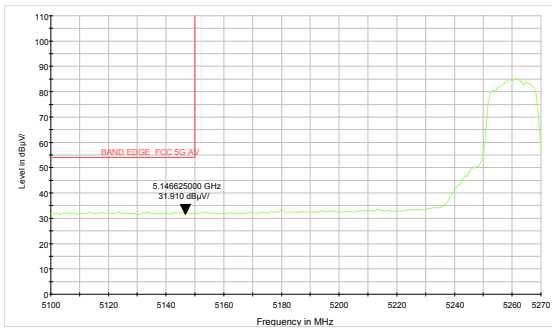
802.11a-Channel 52: Peak



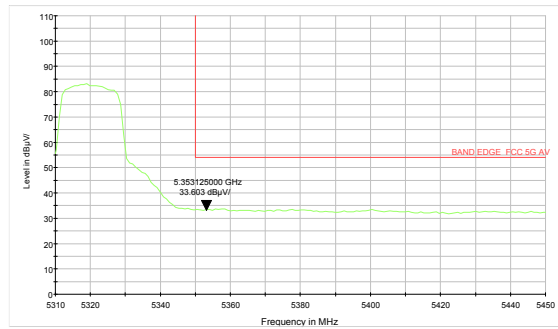
802.11a-Channel 64: Peak



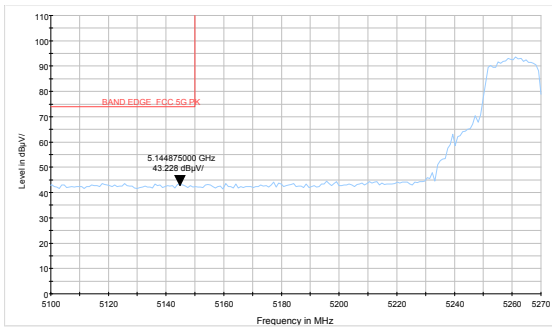
802.11a-Channel 52: Average



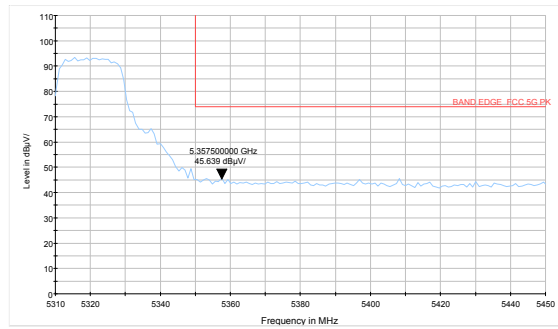
802.11a-Channel 64: Average



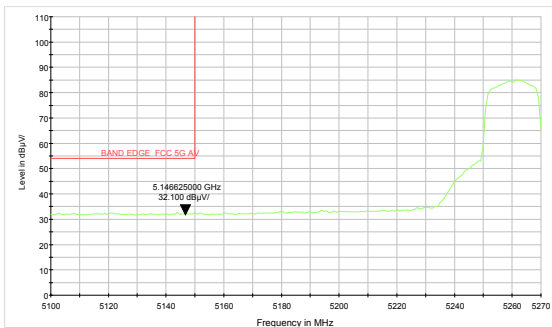
802.11n HT20-Channel 52: Peak



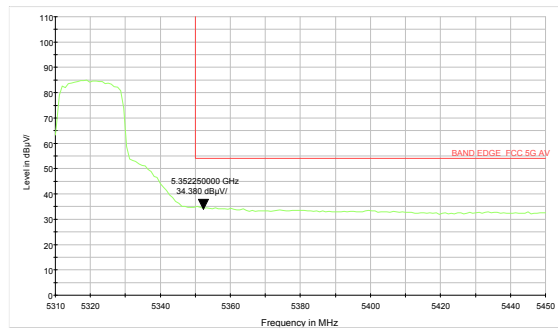
802.11n HT20-Channel 64: Peak



802.11n HT20-Channel 52: Average

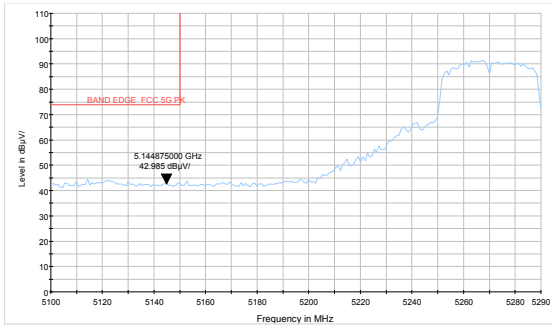


802.11n HT20-Channel 64: Average

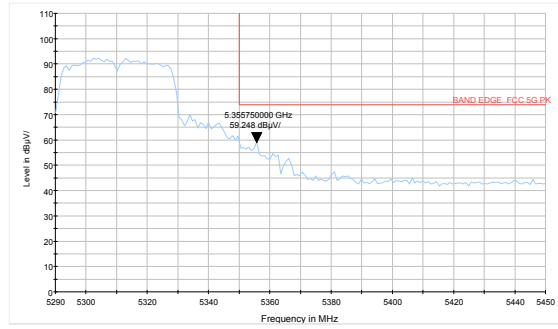




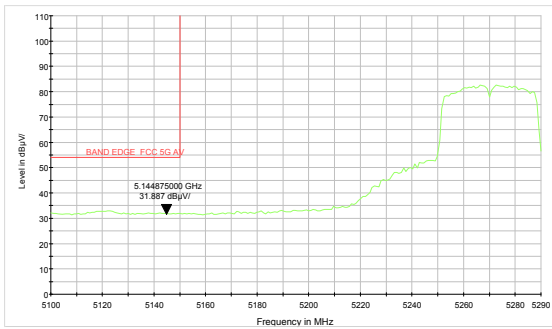
802.11n HT40-Channel 54: Peak



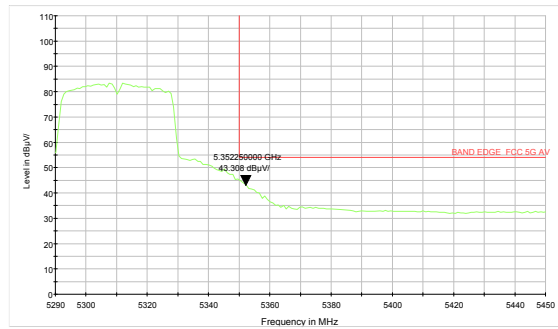
802.11n HT40-Channel 62: Peak



802.11n HT40-Channel 54: Average



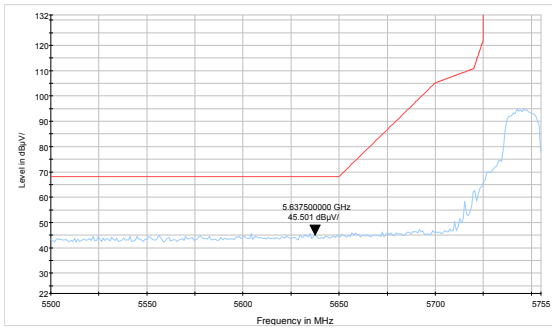
802.11n HT40-Channel 62: Average



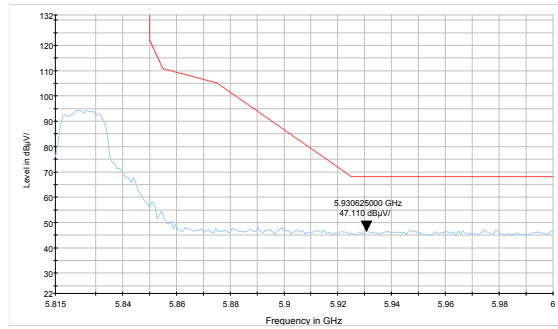


U-NII-3

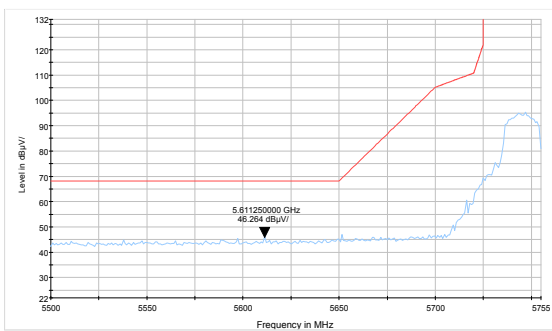
802.11a-Channel 149: Peak



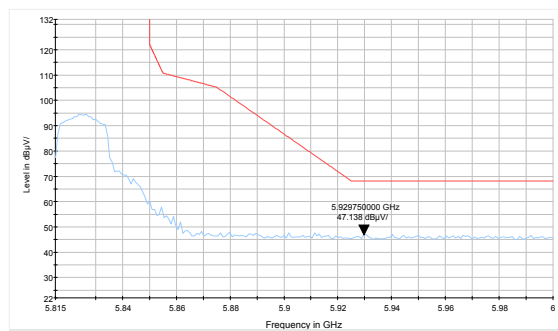
802.11a-Channel 165: Peak



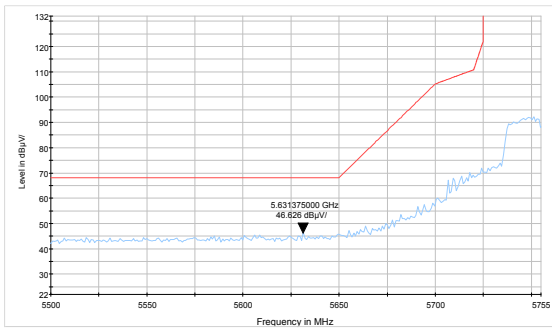
802.11n HT20-Channel 149: Peak



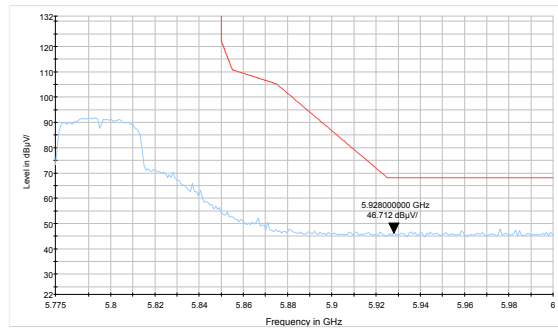
802.11n HT20-Channel 165: Peak



802.11n HT40-Channel 151: Peak



802.11n HT40-Channel 159: Peak





### 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.

#### Continuous TX mode:



Radiates Emission from 30MHz to 1GHz



## 802.11a CH36

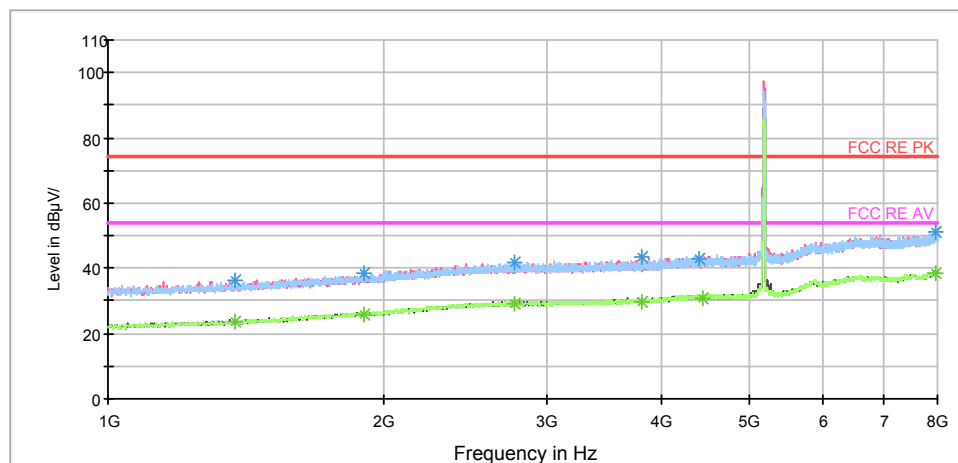
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1373.625000	36.1	100.0	H	1.0	43.2	-7.1	37.9	74
1902.125000	38.6	100.0	V	0.0	42.6	-4.0	35.4	74
2766.625000	41.6	100.0	V	293.0	42.2	-0.6	32.4	74
3811.375000	43.4	100.0	V	0.0	43.1	0.3	30.6	74
4409.000000	42.9	100.0	V	190.0	41.4	1.5	31.1	74
7964.125000	51.4	100.0	V	0.0	41.4	10.0	22.6	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1373.625000	23.5	100.0	H	1.0	30.6	-7.1	30.5	54
1902.125000	26.0	100.0	V	0.0	30.0	-4.0	28.0	54
2771.875000	29.1	100.0	V	303.0	29.7	-0.6	24.9	54
3811.375000	29.5	100.0	V	0.0	29.2	0.3	24.5	54
4433.500000	30.9	100.0	V	0.0	29.3	1.6	23.1	54
7955.375000	38.8	100.0	V	168.0	28.8	10.0	15.2	54

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

FCC RE 1G-18GHz PK+AV Class B

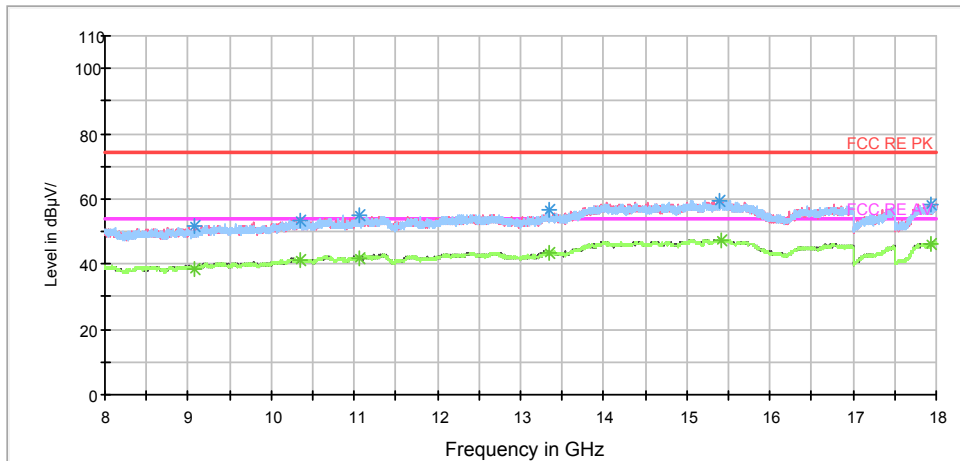


Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 8GHz



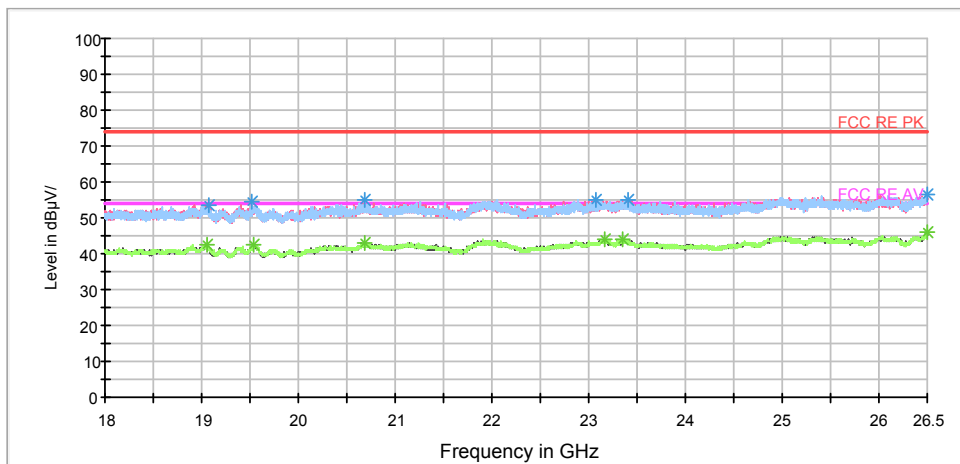


FCC RE 1G-18GHz PK+AV Class B



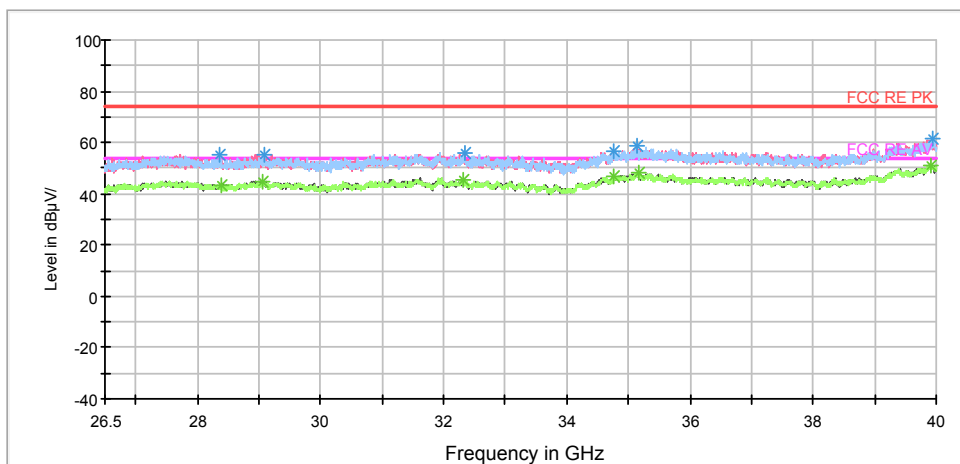
Radiates Emission from 8GHz to 18GHz

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

RE 26.5-40GHz PK+AV Class B



Radiates Emission from 26.5GHz to 40GHz



802.11a CH40

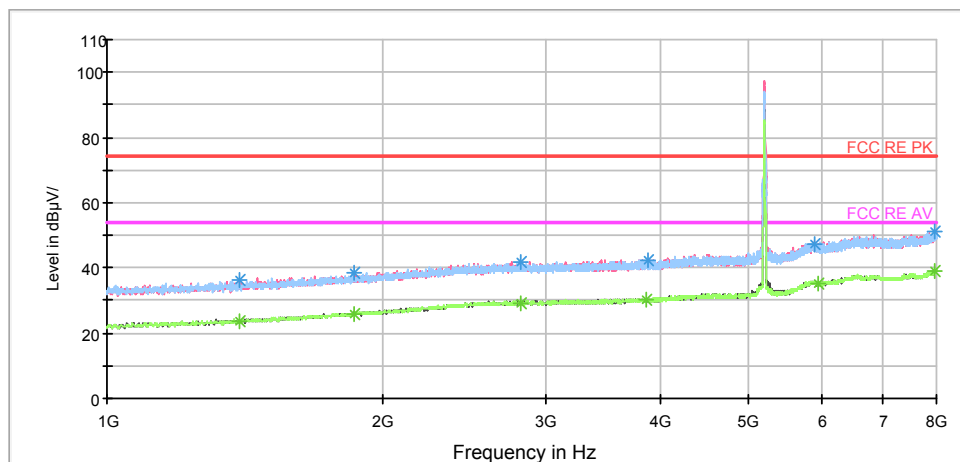
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1392.000000	36.1	100.0	V	167.0	43.1	-7.0	37.9	74
1860.125000	38.7	100.0	H	0.0	42.9	-4.2	35.3	74
2823.500000	41.8	100.0	H	125.0	42.2	-0.4	32.2	74
3883.125000	42.5	100.0	H	9.0	42.0	0.5	31.5	74
5907.000000	47.2	100.0	V	290.0	41.8	5.4	26.8	74
7950.125000	51.2	100.0	H	164.0	41.3	9.9	22.8	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)
1392.000000	23.7	100.0	V	167.0	30.7	-7.0	30.3	54
1860.125000	25.7	100.0	H	0.0	29.9	-4.2	28.3	54
2823.500000	29.3	100.0	H	125.0	29.7	-0.4	24.7	54
3863.000000	30.0	100.0	V	0.0	29.6	0.4	24.0	54
5939.375000	35.1	100.0	V	0.0	29.8	5.3	18.9	54
7954.500000	38.8	100.0	V	290.0	28.9	9.9	15.2	54

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

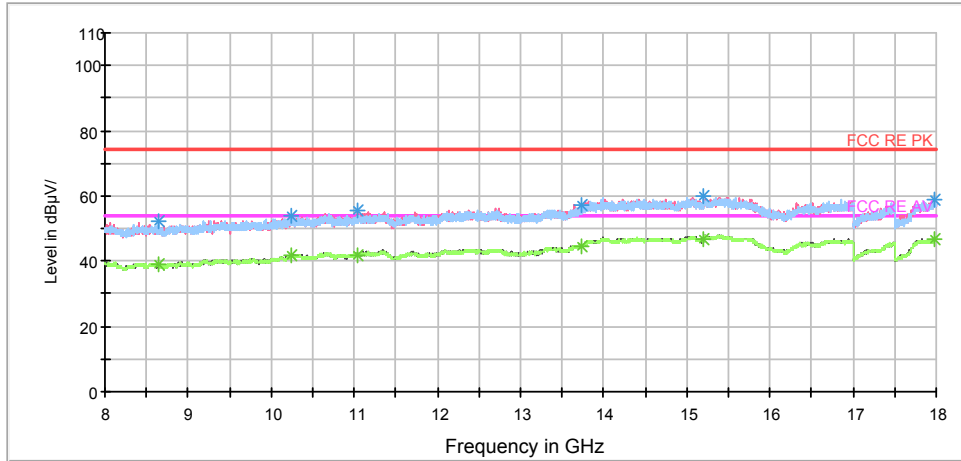
FCC RE 1G-18GHz PK+AV Class B



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 8GHz

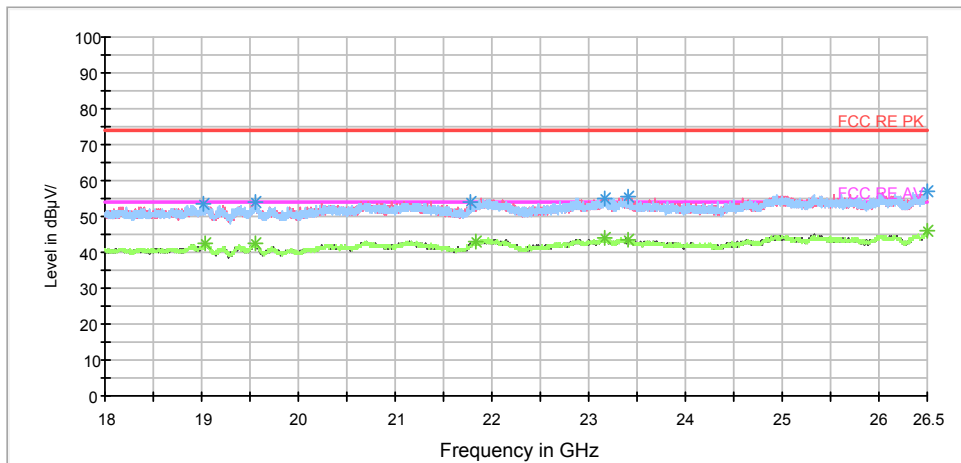


FCC RE 1G-18GHz PK+AV Class B



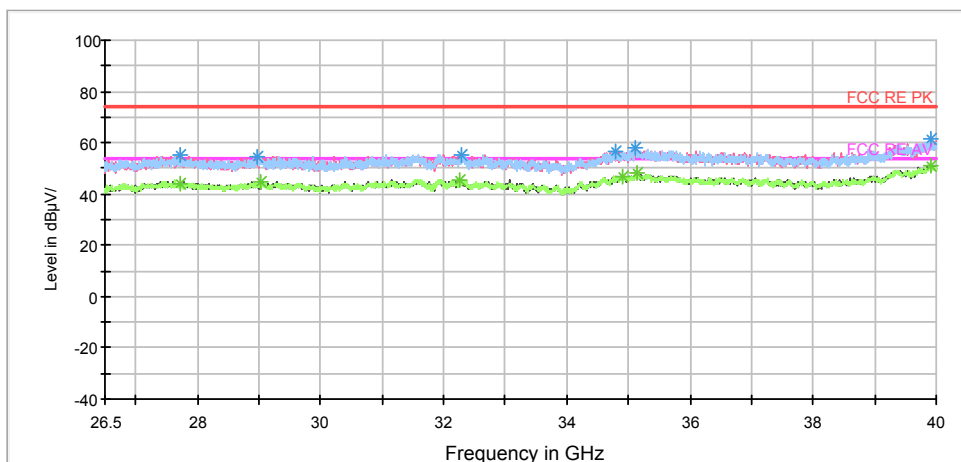
Radiates Emission from 8GHz to 18GHz

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

RE 26.5-40GHz PK+AV Class B



Radiates Emission from 26.5GHz to 40GHz



802.11a CH48

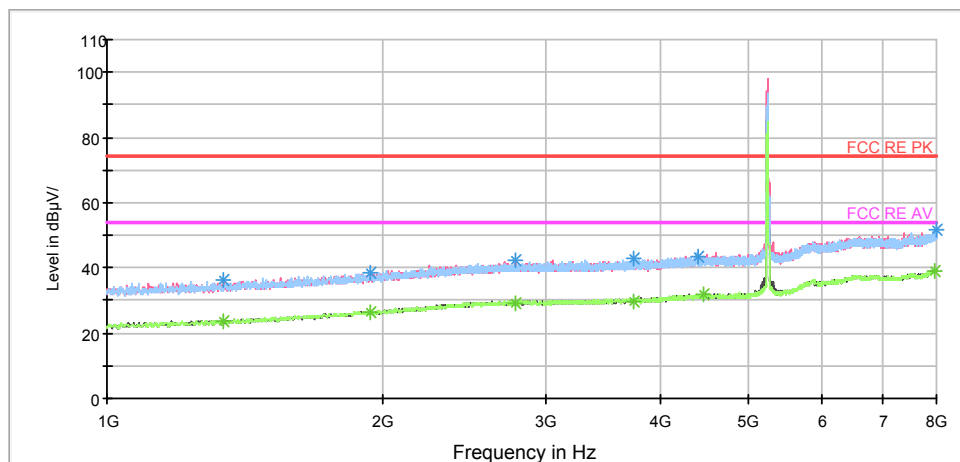
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1341.250000	36.5	100.0	V	123.0	43.9	-7.4	37.5	74
1936.250000	38.4	100.0	V	310.0	42.3	-3.9	35.6	74
2783.250000	42.1	100.0	V	290.0	42.6	-0.5	31.9	74
3744.000000	42.6	100.0	H	12.0	42.3	0.3	31.4	74
4405.500000	43.4	100.0	H	142.0	41.9	1.5	30.6	74
7987.750000	51.5	100.0	H	2.0	41.5	10.0	22.5	74

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

Frequency (MHz)	Average (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1341.250000	23.5	100.0	V	123.0	30.9	-7.4	30.5	54
1933.625000	26.2	100.0	V	0.0	30.1	-3.9	27.8	54
2783.250000	29.1	100.0	V	290.0	29.6	-0.5	24.9	54
3744.000000	29.6	100.0	H	12.0	29.3	0.3	24.4	54
4466.750000	31.7	100.0	V	331.0	30.2	1.5	22.3	54
7972.000000	39.1	100.0	V	356.0	29.1	10.0	14.9	54

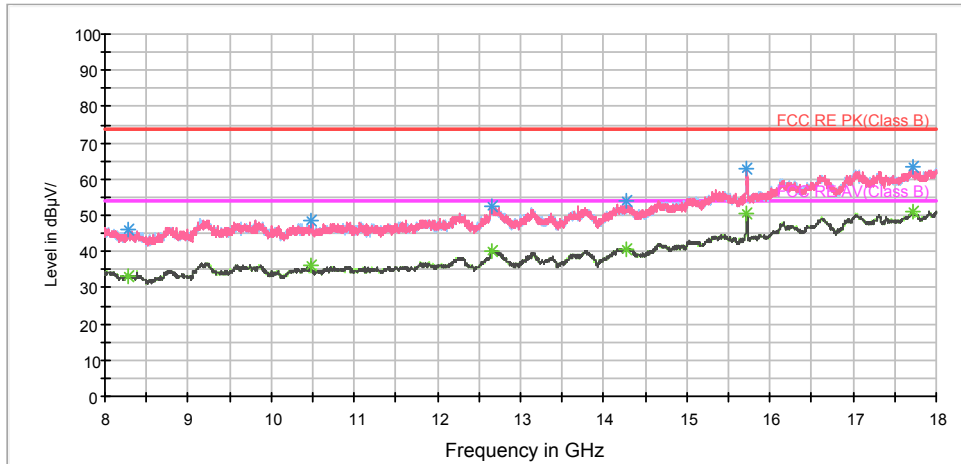
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

FCC RE 1G-18GHz PK+AV Class B



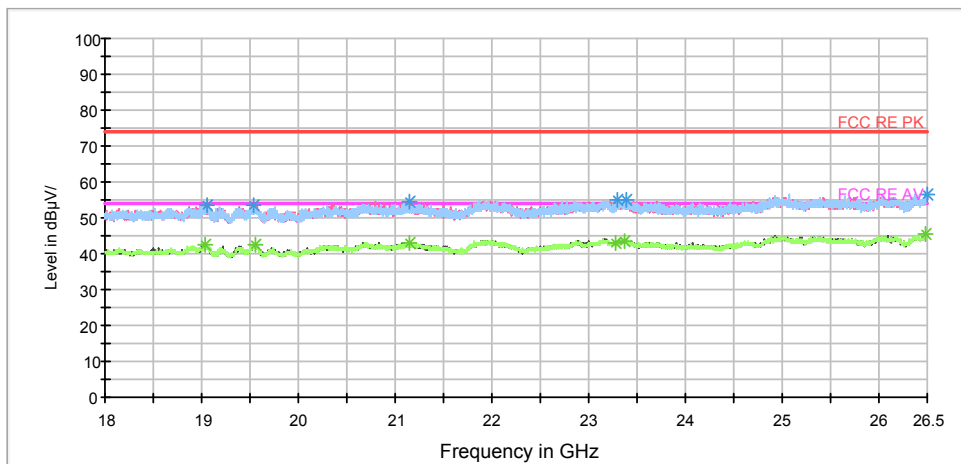
Note: The signal beyond the limit is carrier. Radiates Emission from 1GHz to 8GHz

RE 3-18GHz PK+AV



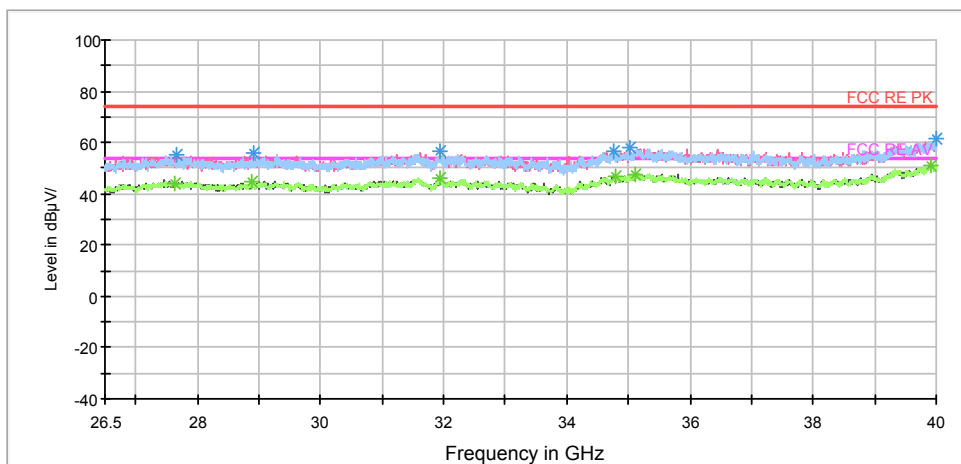
Radiates Emission from 8GHz to 18GHz

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

RE 26.5-40GHz PK+AV Class B



Radiates Emission from 26.5GHz to 40GHz



802.11a CH52

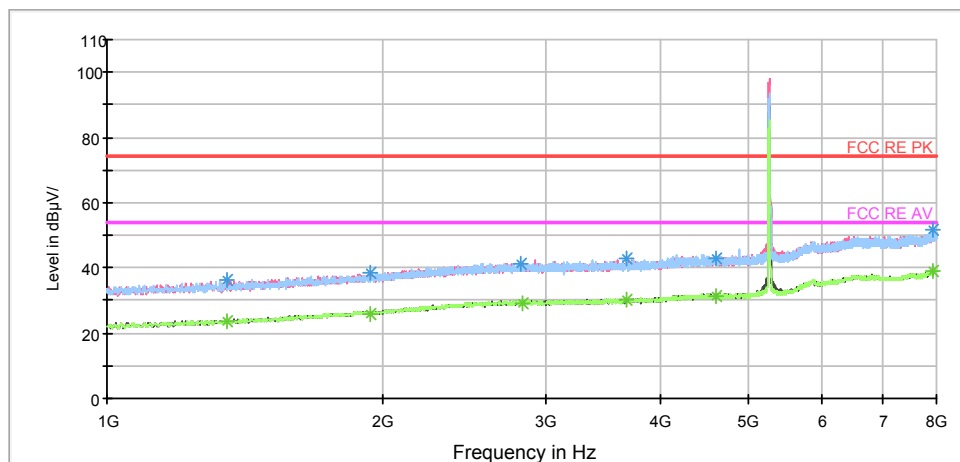
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1348.250000	36.5	100.0	H	1.0	43.8	-7.3	37.5	74
1938.875000	38.5	100.0	V	359.0	42.4	-3.9	35.5	74
2825.250000	41.5	100.0	H	179.0	41.9	-0.4	32.5	74
3676.625000	42.8	100.0	H	25.0	42.5	0.3	31.2	74
4604.125000	42.8	100.0	H	232.0	41.1	1.7	31.2	74
7930.875000	51.8	100.0	V	297.0	42.1	9.7	22.2	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)
1348.250000	23.8	100.0	H	1.0	31.1	-7.3	30.2	54
1938.875000	26.0	100.0	V	359.0	29.9	-3.9	28.0	54
2828.750000	29.3	100.0	V	228.0	29.7	-0.4	24.7	54
3676.625000	30.3	100.0	H	25.0	30.0	0.3	23.7	54
4604.125000	31.5	100.0	H	232.0	29.8	1.7	22.5	54
7941.375000	39.0	100.0	V	165.0	29.2	9.8	15.0	54

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

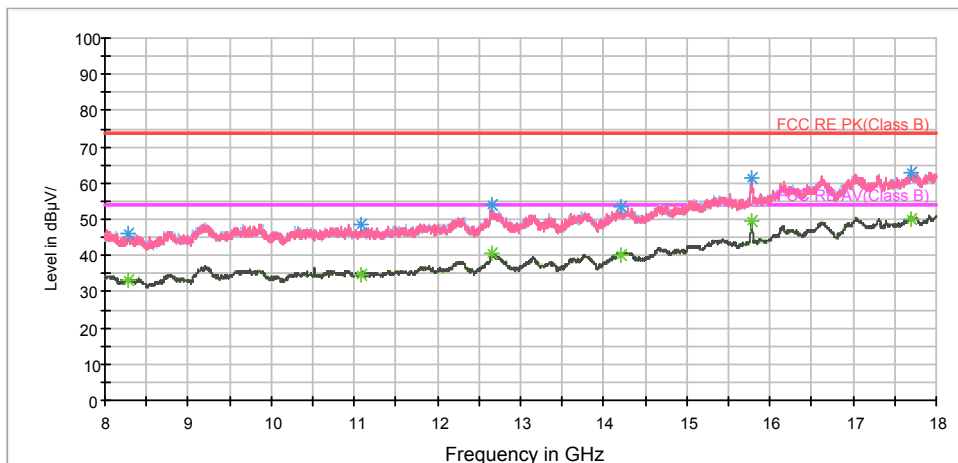
FCC RE 1G-18GHz PK+AV Class B



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 8GHz

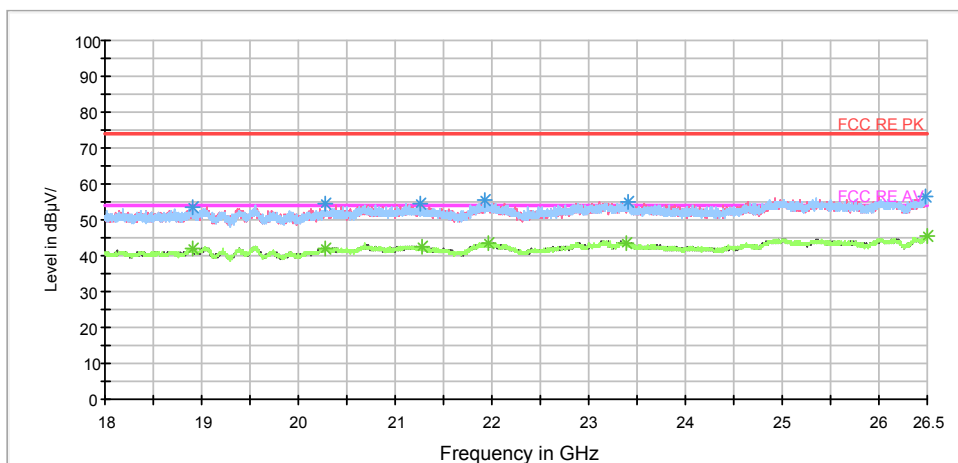


RE 3-18GHz PK+AV



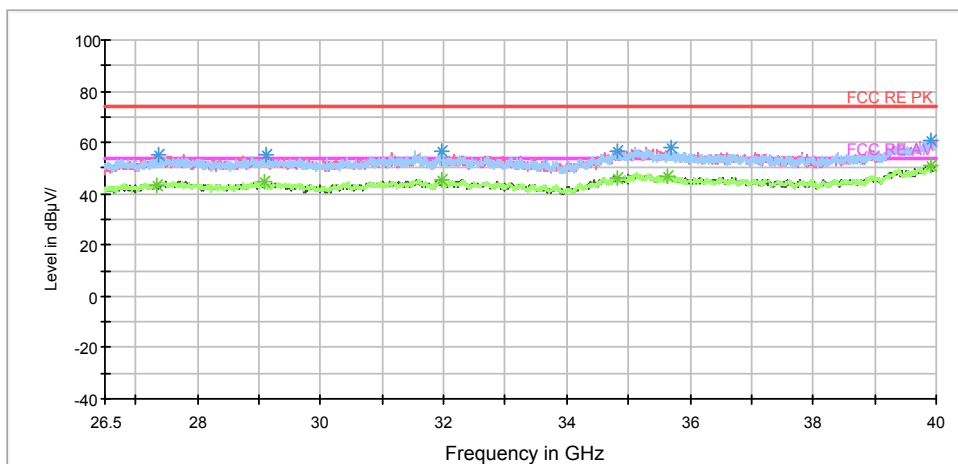
Radiates Emission from 8GHz to 18GHz

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

RE 26.5-40GHz PK+AV Class B



Radiates Emission from 26.5GHz to 40GHz



802.11a CH56

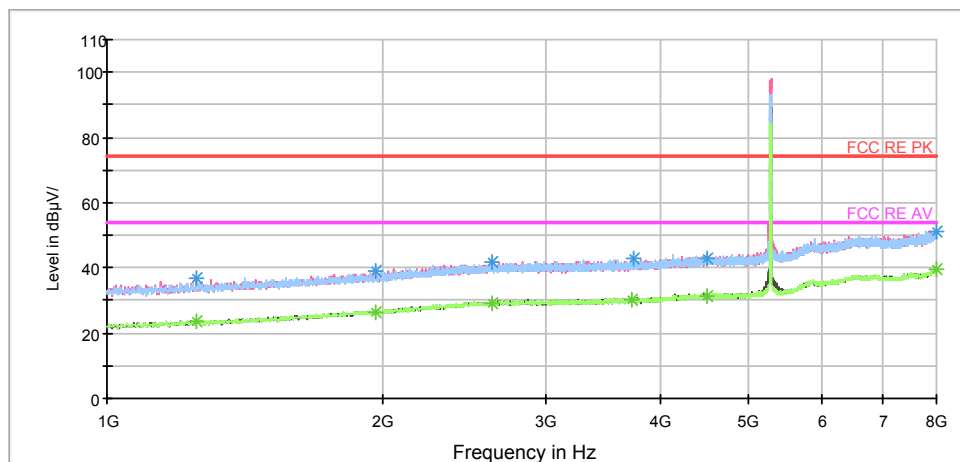
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1251.125000	36.9	100.0	V	358.0	44.8	-7.9	37.1	74
1964.250000	38.9	100.0	V	333.0	42.6	-3.7	35.1	74
2629.250000	41.7	100.0	H	0.0	42.4	-0.7	32.3	74
3742.250000	42.9	100.0	H	31.0	42.6	0.3	31.1	74
4500.875000	43.2	100.0	V	134.0	41.6	1.6	30.8	74
7988.625000	51.3	100.0	V	0.0	41.3	10.0	22.7	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)
1251.125000	23.4	100.0	V	358.0	31.3	-7.9	30.6	54
1964.250000	26.4	100.0	V	333.0	30.1	-3.7	27.6	54
2629.250000	29.2	100.0	H	0.0	29.9	-0.7	24.8	54
3729.125000	30.2	100.0	V	358.0	29.8	0.4	23.8	54
4500.875000	31.4	100.0	V	134.0	29.8	1.6	22.6	54
7988.625000	39.3	100.0	V	0.0	29.3	10.0	14.7	54

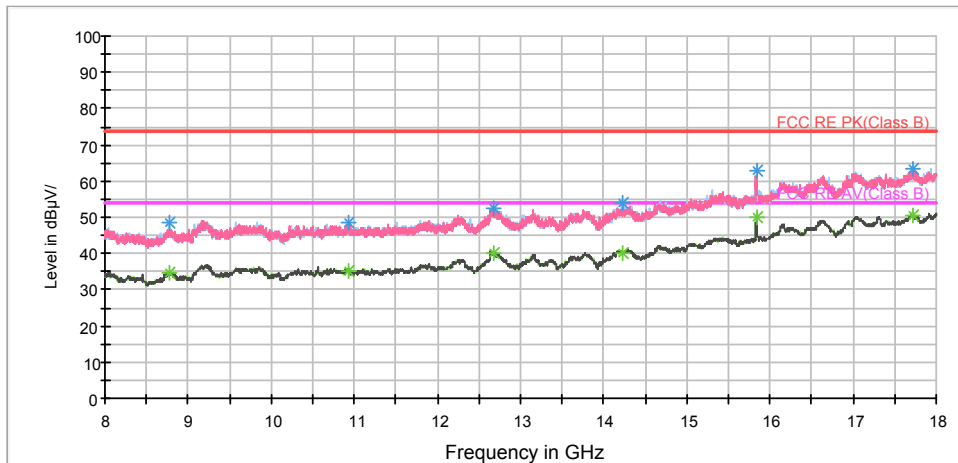
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

FCC RE 1G-18GHz PK+AV Class B



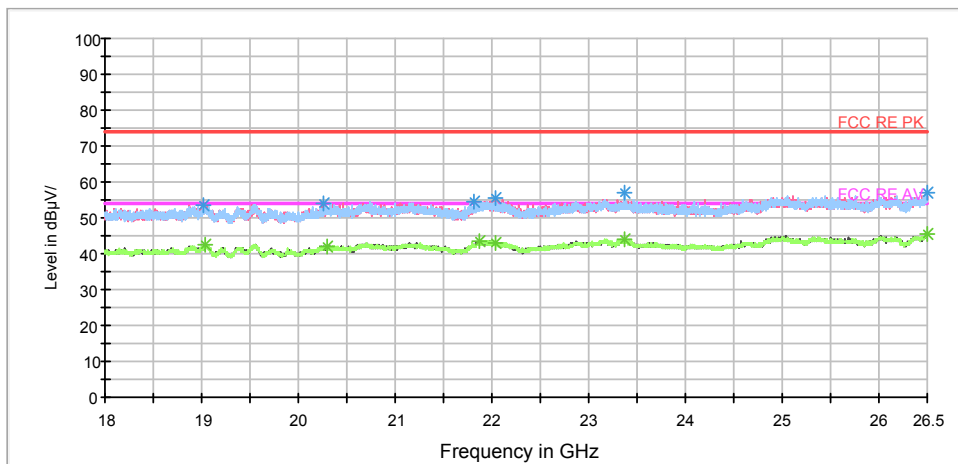
Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 8GHz

RE 3-18GHz PK+AV



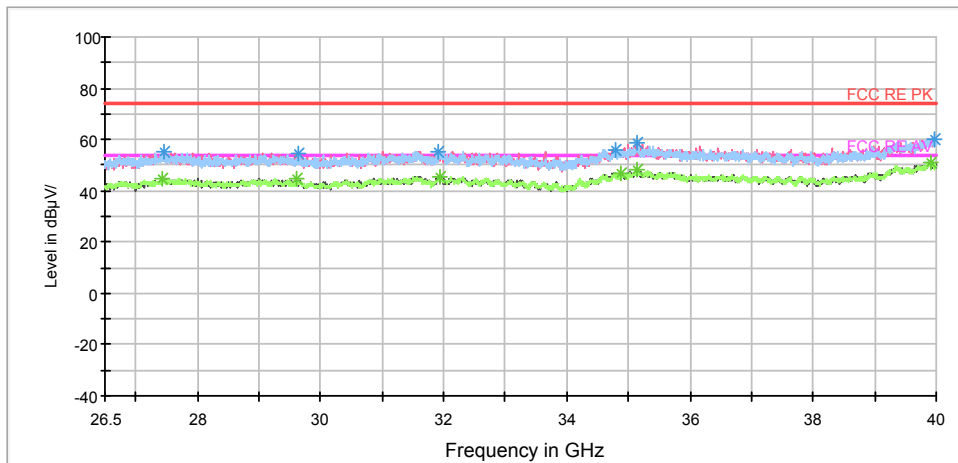
Radiates Emission from 8GHz to 18GHz

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

RE 26.5-40GHz PK+AV Class B



Radiates Emission from 26.5GHz to 40GHz



802.11a CH64

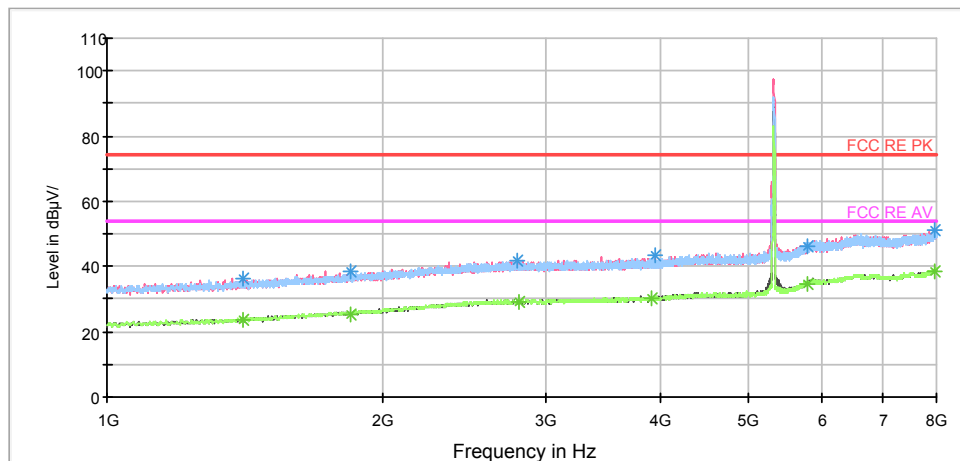
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1409.500000	36.1	100.0	V	46.0	43.0	-6.9	37.9	74
1840.875000	38.4	100.0	V	46.0	42.8	-4.4	35.6	74
2801.625000	41.7	100.0	H	1.0	42.3	-0.6	32.3	74
3950.500000	43.7	100.0	V	329.0	43.3	0.4	30.3	74
5781.000000	46.5	100.0	V	0.0	41.3	5.2	27.5	74
7953.625000	51.2	100.0	H	259.0	41.3	9.9	22.8	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)
1407.750000	23.9	100.0	V	0.0	29.9	-6.9	30.1	54
1840.000000	25.5	100.0	V	339.0	29.6	-4.4	28.5	54
2807.750000	29.0	100.0	V	356.0	29.8	-0.6	25.0	54
3925.125000	30.4	100.0	H	4.0	29.6	0.6	23.6	54
5796.750000	34.9	100.0	V	113.0	28.7	5.3	19.1	54
7952.750000	38.6	100.0	V	205.0	29.9	9.9	15.4	54

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

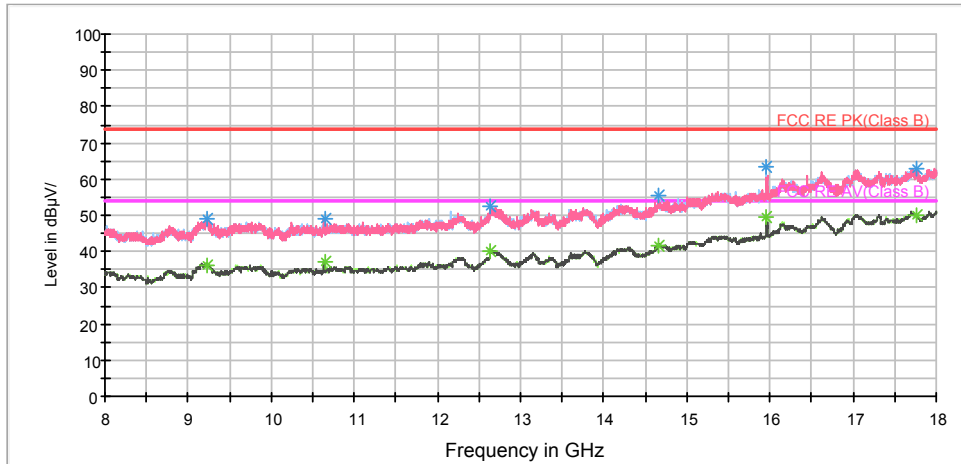
FCC RE 1G-18GHz PK+AV Class B



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 8GHz

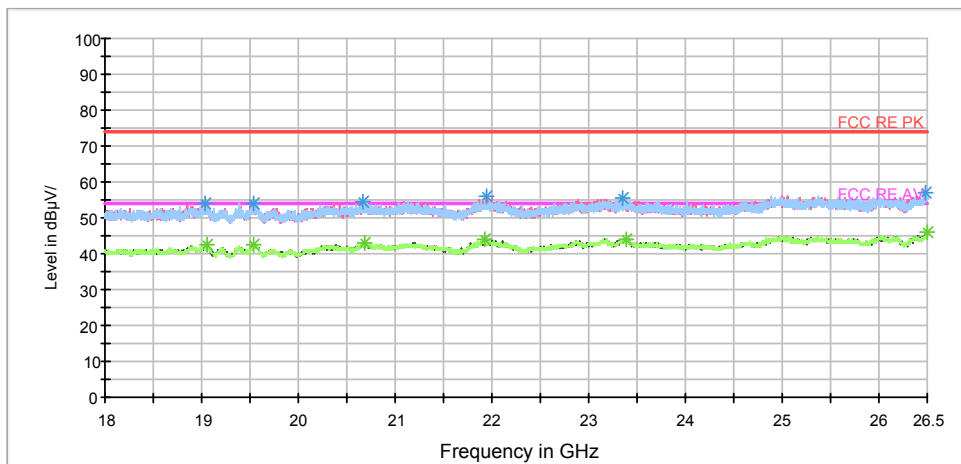


RE 3-18GHz PK+AV



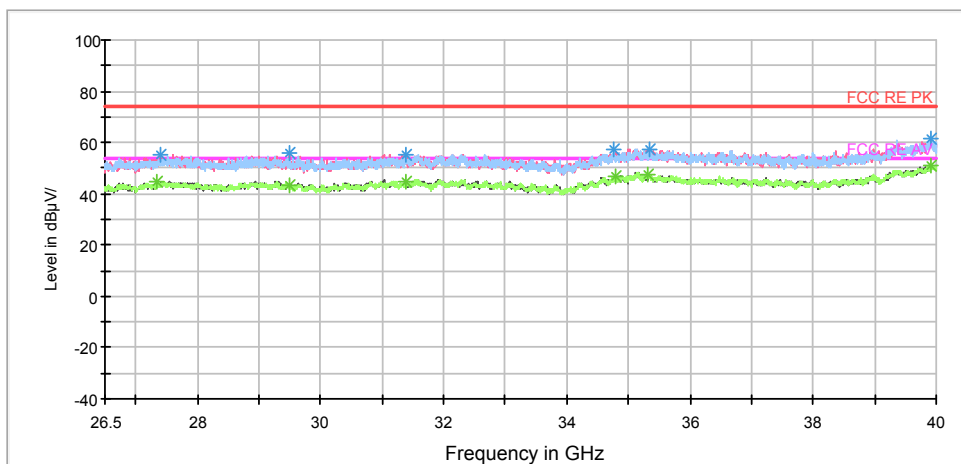
Radiates Emission from 8GHz to 18GHz

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

RE 26.5-40GHz PK+AV Class B



Radiates Emission from 26.5GHz to 40GHz



802.11a CH149

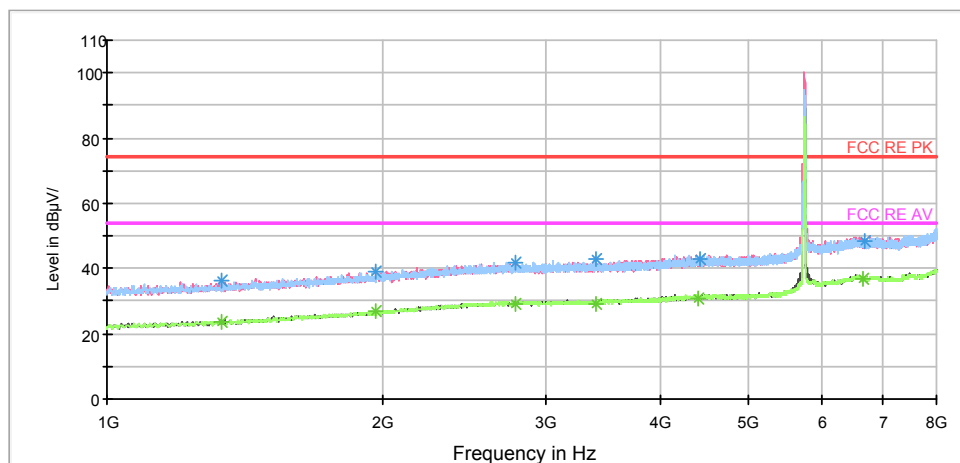
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1332.500000	36.1	100.0	H	2.0	43.6	-7.5	37.9	74
1965.125000	39.1	100.0	V	0.0	42.8	-3.7	34.9	74
2784.125000	41.7	100.0	V	0.0	42.2	-0.5	32.3	74
3407.125000	42.6	100.0	H	214.0	42.7	-0.1	31.4	74
4419.500000	42.6	100.0	V	337.0	41.2	1.4	31.4	74
6681.375000	48.4	100.0	V	101.0	41.3	7.1	25.6	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)
1332.500000	23.6	100.0	H	2.0	31.1	-7.5	30.4	54
1965.125000	26.7	100.0	V	0.0	30.4	-3.7	27.3	54
2784.125000	29.1	100.0	V	0.0	29.6	-0.5	24.9	54
3407.125000	29.2	100.0	H	214.0	29.3	-0.1	24.8	54
4411.625000	31.1	100.0	V	0.0	29.7	1.4	22.9	54
6648.125000	37.0	100.0	V	0.0	30.1	6.9	17.0	54

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

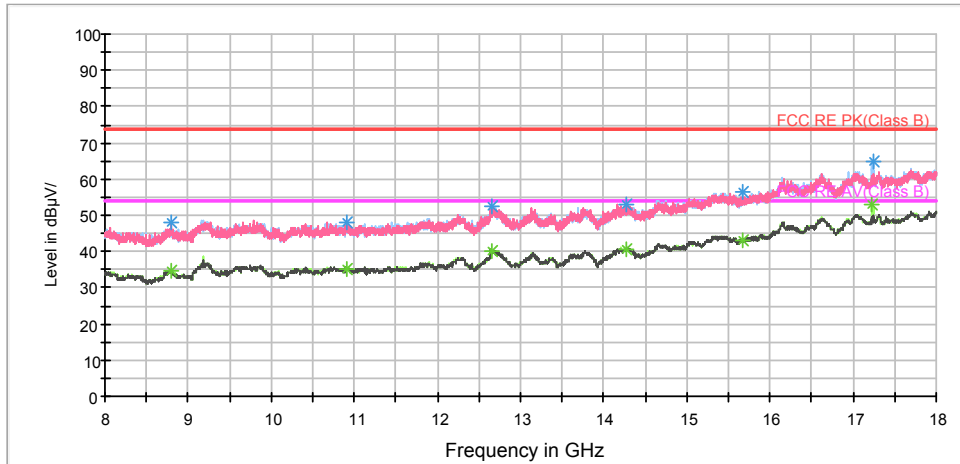
FCC RE 1G-18GHz PK+AV Class B



Note: The signal beyond the limit is carrier. Radiates Emission from 1GHz to 8GHz

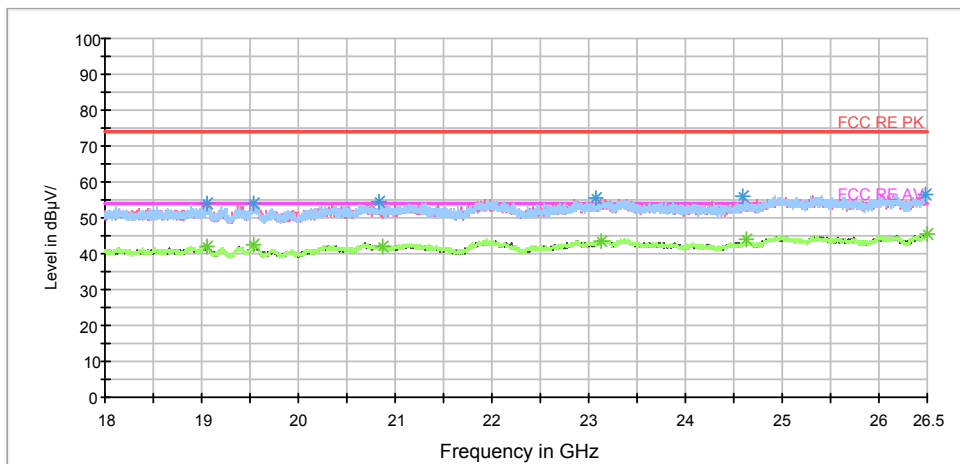


RE 3-18GHz PK+AV



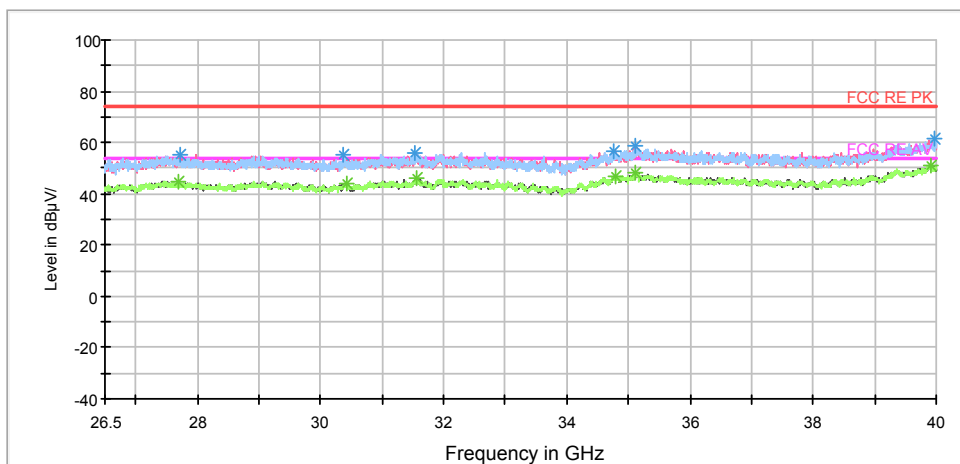
Radiates Emission from 8GHz to 18GHz

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

RE 26.5-40GHz PK+AV Class B



Radiates Emission from 26.5GHz to 40GHz



802.11a CH157

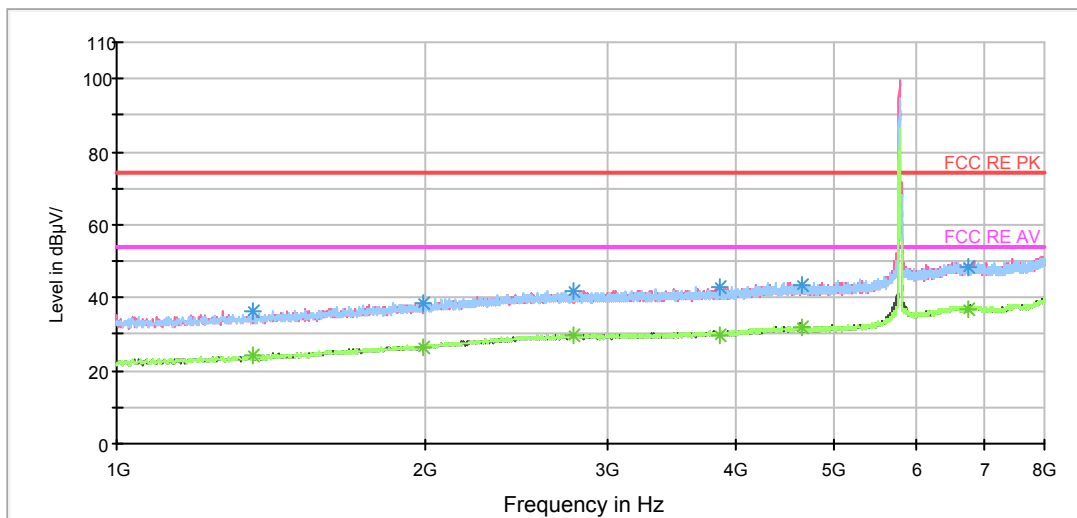
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1359.625000	36.5	100.0	V	359.0	43.7	-7.2	37.5	74
1990.500000	38.3	100.0	H	112.0	41.9	-3.6	35.7	74
2785.000000	42.0	100.0	V	307.0	42.5	-0.5	32.0	74
3867.375000	42.9	100.0	H	303.0	42.4	0.5	31.1	74
4650.500000	43.6	100.0	V	346.0	41.9	1.7	30.4	74
6735.625000	48.4	100.0	V	318.0	41.5	6.9	25.6	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)
1359.625000	24.0	100.0	V	359.0	31.2	-7.2	30.0	54
1990.500000	26.3	100.0	H	112.0	29.9	-3.6	27.7	54
2785.000000	29.5	100.0	V	307.0	30.0	-0.5	24.5	54
3867.375000	29.9	100.0	H	303.0	29.4	0.5	24.1	54
4640.000000	31.7	100.0	V	0.0	30.0	1.7	22.3	54
6735.625000	36.7	100.0	V	318.0	29.8	6.9	17.3	54

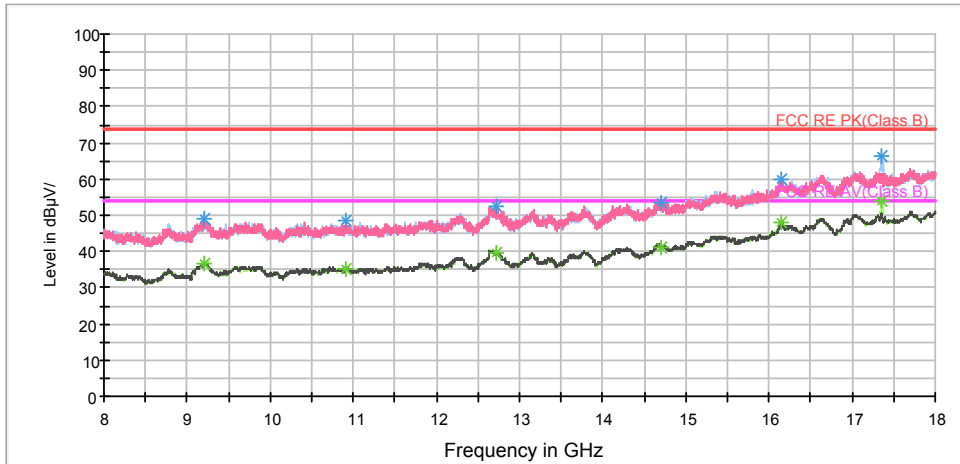
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

FCC RE 1G-18GHz PK+AV Class B



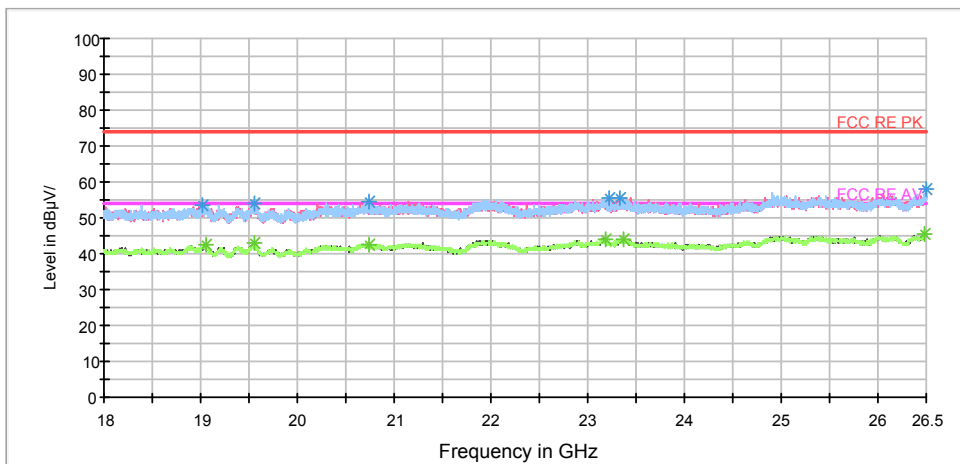
Note: The signal beyond the limit is carrier Radiates Emission from 1GHz to 8GHz

RE 3-18GHz PK+AV



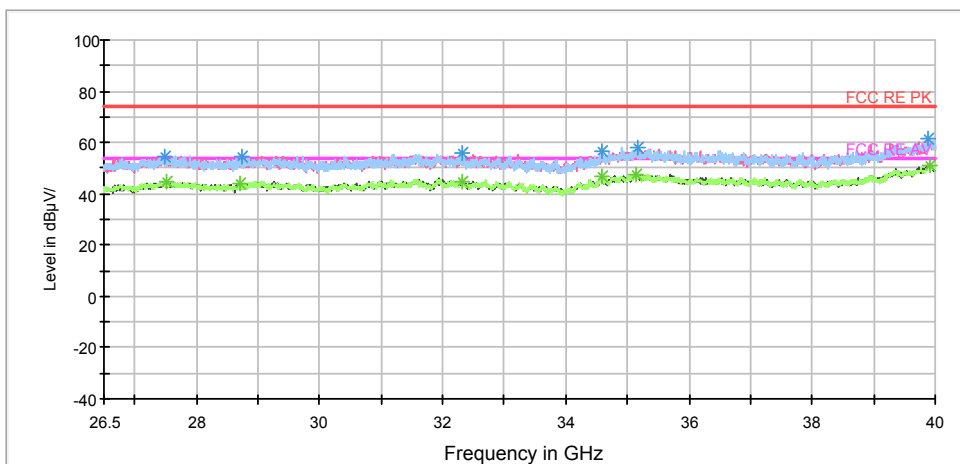
Radiates Emission from 8GHz to 18GHz

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

RE 26.5-40GHz PK+AV Class B



Radiates Emission from 26.5GHz to 40GHz



## 802.11a CH165

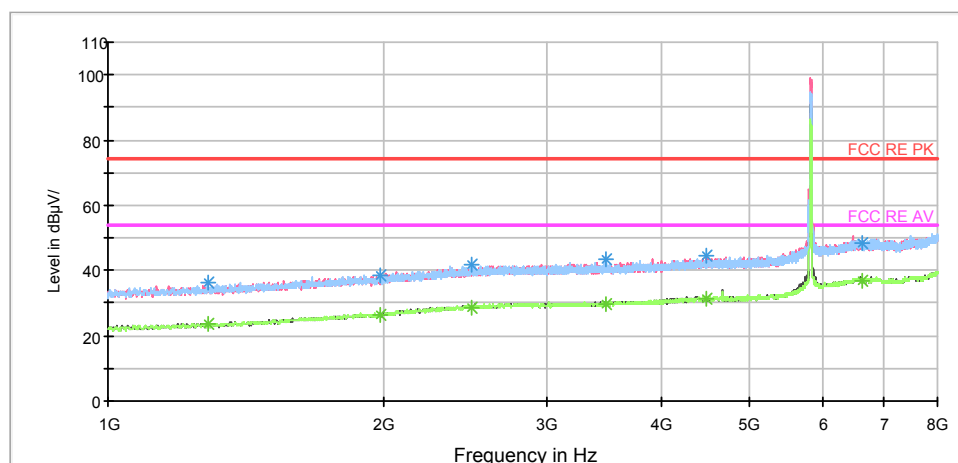
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1285.250000	36.1	100.0	H	92.0	43.9	-7.8	37.9	74
1979.125000	38.5	100.0	H	164.0	42.1	-3.6	35.5	74
2491.000000	41.6	100.0	H	291.0	42.5	-0.9	32.4	74
3492.875000	43.5	100.0	H	18.0	43.4	0.1	30.5	74
4473.750000	44.6	100.0	V	234.0	43.1	1.5	29.4	74
6611.375000	48.5	100.0	V	150.0	41.2	7.3	25.5	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)
1285.250000	23.8	100.0	H	92.0	31.6	-7.8	30.2	54
1979.125000	26.5	100.0	H	164.0	30.1	-3.6	27.5	54
2491.000000	28.9	100.0	H	291.0	29.8	-0.9	25.1	54
3492.875000	29.7	100.0	H	18.0	29.6	0.1	24.3	54
4473.750000	31.1	100.0	V	234.0	29.6	1.5	22.9	54
6618.375000	36.9	100.0	V	336.0	29.6	7.3	17.1	54

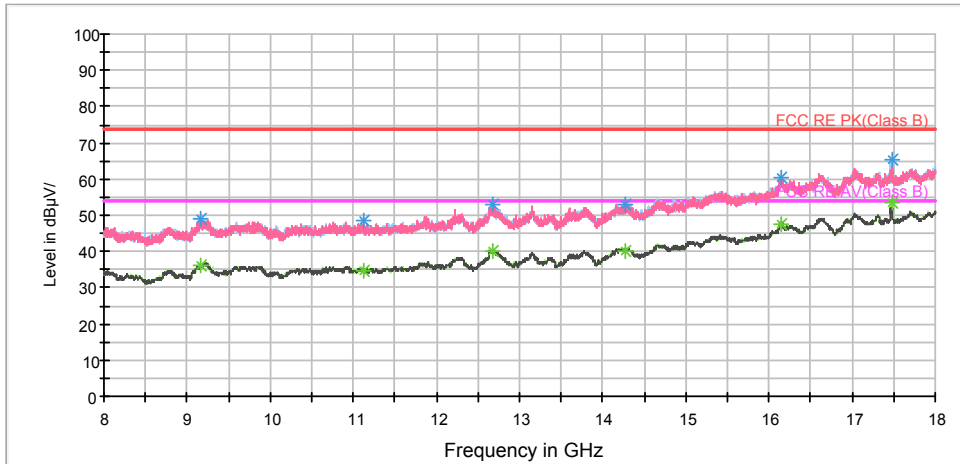
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

FCC RE 1G-18GHz PK+AV Class B



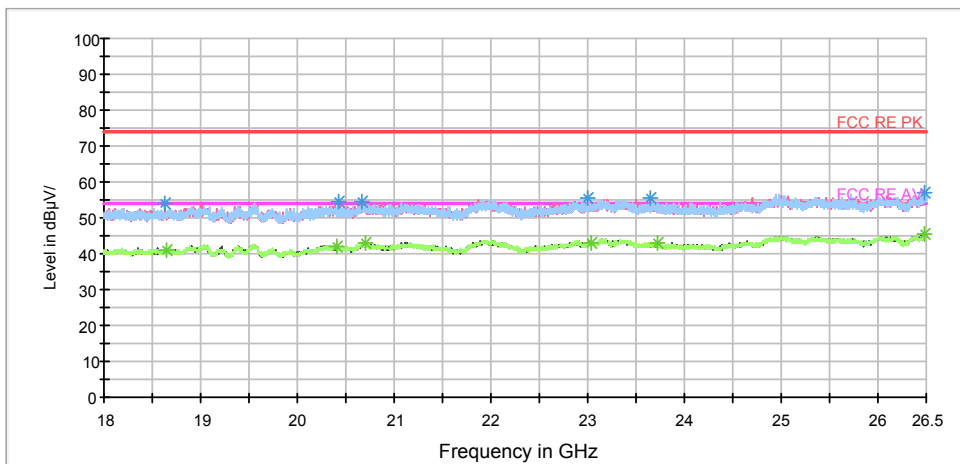
Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 8GHz

RE 3-18GHz PK+AV



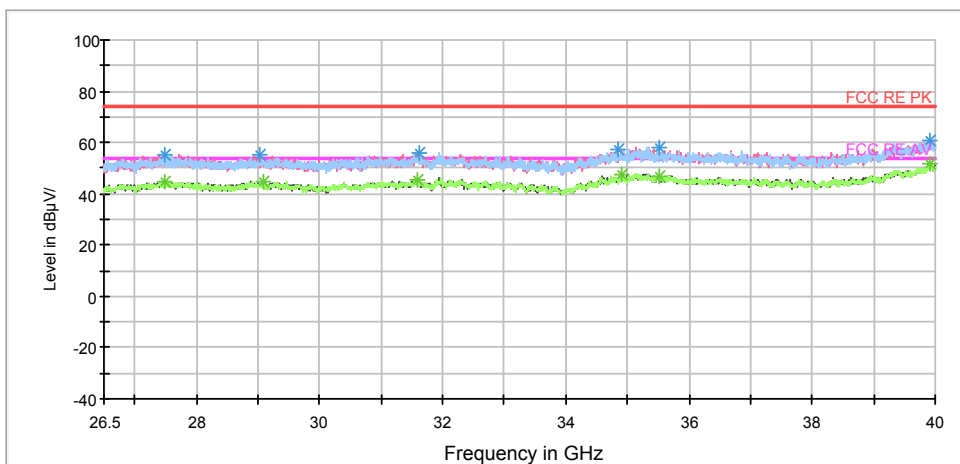
Radiates Emission from 8GHz to 18GHz

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

RE 26.5-40GHz PK+AV Class B



Radiates Emission from 26.5GHz to 40GHz



## 802.11n (HT20) CH36

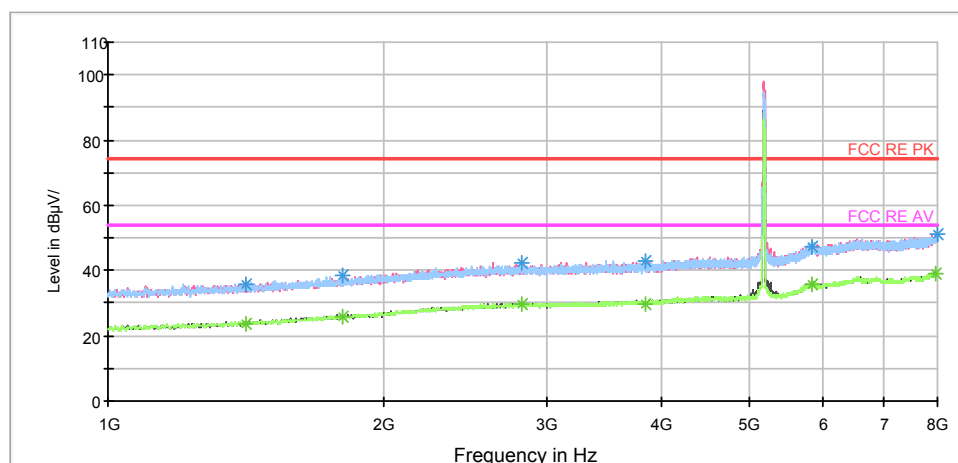
Frequency (MHz)	Peak (dBuV/m)	Height (cm)	Polarization	Azimuth (deg)	Reading value (dBuV/m)	Correct Factor (dB)	Margin (dB)	Limit (dBuV/m)
1413.000000	35.8	100.0	H	142.0	42.7	-6.9	38.2	74
1798.000000	38.7	100.0	H	132.0	43.3	-4.6	35.3	74
2823.500000	42.6	100.0	H	34.0	43.0	-0.4	31.4	74
3845.500000	43.1	100.0	H	0.0	42.8	0.3	30.9	74
5830.000000	47.4	100.0	V	356.0	42.0	5.4	26.6	74
7986.875000	51.2	100.0	H	291.0	41.2	10.0	22.8	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)
1413.000000	23.8	100.0	H	142.0	30.7	-6.9	30.2	54
1798.000000	26.0	100.0	H	132.0	30.6	-4.6	28.0	54
2823.500000	29.5	100.0	H	34.0	29.9	-0.4	24.5	54
3845.500000	29.8	100.0	H	0.0	29.5	0.3	24.2	54
5830.000000	35.7	100.0	V	356.0	30.3	5.4	18.3	54
7979.000000	39.1	100.0	V	205.0	29.1	10.0	14.9	54

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

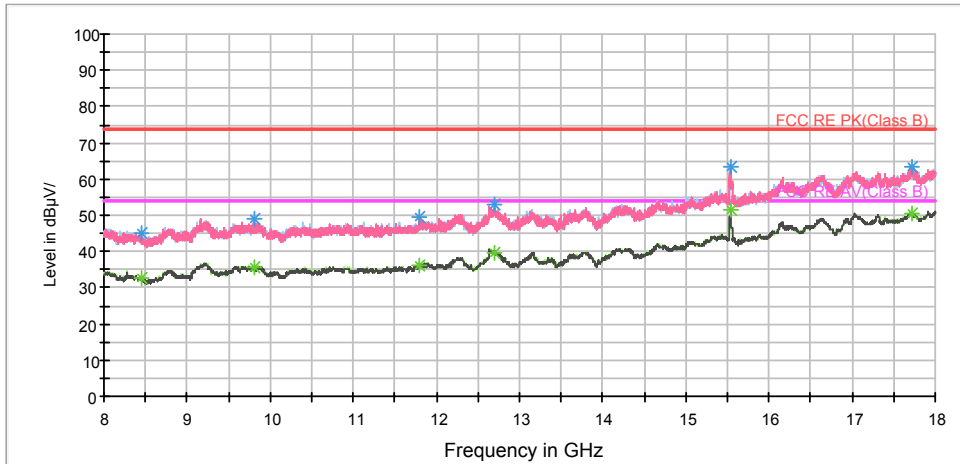
FCC RE 1G-18GHz PK+AV Class B



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 8GHz

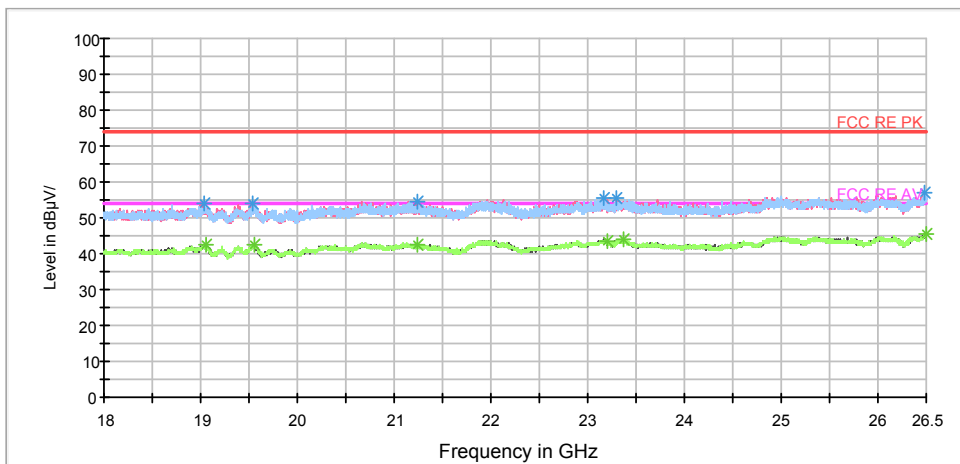


RE 3-18GHz PK+AV



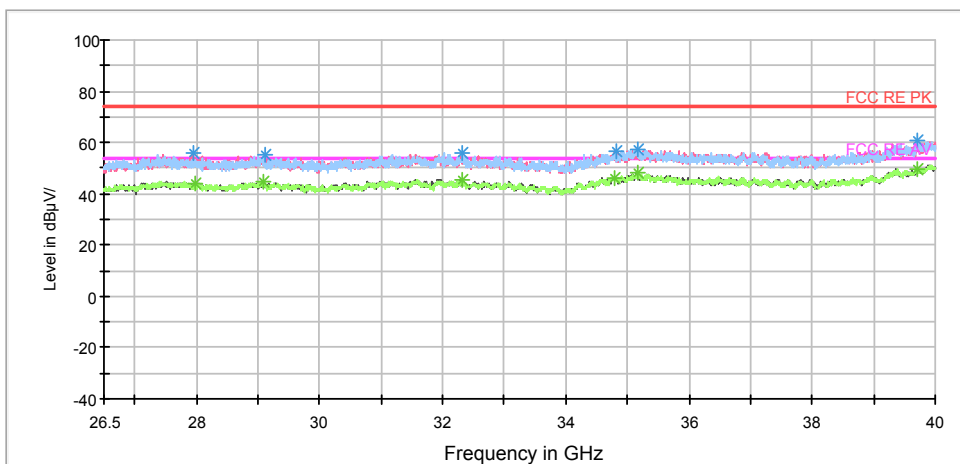
Radiates Emission from 8GHz to 18GHz

RE 18-26.5GHz PK+AV



Radiates Emission from 18GHz to 26.5GHz

RE 26.5-40GHz PK+AV Class B



Radiates Emission from 26.5GHz to 40GHz