



RF TEST REPORT

Applicant Huawei Technologies Co., Ltd.
FCC ID QISPAR-LX9
Product Smart Phone
Model PAR-LX9
Report No. R1806H0074-R3V1
Issue Date July 23, 2018

TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 15E (2018)**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

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Approved by: Kai Xu

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Summary of measurement results

| Number | Summary of measurements of results | Clause in FCC rules | Verdict |
|---|------------------------------------|---------------------|---------|
| 1 | Unwanted Emissions | 15.407(b) | PASS |
| 2 | Conducted Emissions | 15.207 | PASS |
| Date of Testing: June 29, 2018~ July 15, 2018 | | | |

1. Test Laboratory

1.1. Notes of the test report

This report shall not be reproduced in full or partial, without the written approval of **TA technology (shanghai) co., Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above.

1.2. Test facility

CNAS (accreditation number: L2264)

TA Technology (Shanghai) Co., Ltd. has obtained the accreditation of China National Accreditation Service for Conformity Assessment (CNAS).

FCC (Designation number: CN1179, Test Firm Registration Number: 446626)

TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

IC (recognition number is 8510A)

TA Technology (Shanghai) Co., Ltd. has been listed by industry Canada to perform electromagnetic emission measurement.

VCCI (recognition number is C-4595, T-2154, R-4113, G-10766)

TA Technology (Shanghai) Co., Ltd. has been listed by industry Japan to perform electromagnetic emission measurement.

A2LA (Certificate Number: 3857.01)

TA Technology (Shanghai) Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.



1.3. Testing Location

Company: TA Technology (Shanghai) Co., Ltd.
Address: No.145, Jintang Rd, Tangzhen Industry Park, Pudong
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Website: <http://www.ta-shanghai.com>
E-mail: xukai@ta-shanghai.com

2. General Description of Equipment under Test

Client Information

| | |
|-----------------------------|--|
| Applicant | Huawei Technologies Co., Ltd. |
| Applicant address | Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.China. |
| Manufacturer | Huawei Technologies Co., Ltd. |
| Manufacturer address | Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.China. |

General information

| EUT Description | |
|------------------------------|--|
| Model | PAR-LX9 |
| IMEI | SIM1: 869592030011783 SIM2: 869592030012781 |
| Hardware Version | HL2PARLM |
| Software Version | PAR-LX9 8.2.0.120(C900) |
| Power Supply | Battery/AC adapter |
| Antenna Type | Internal Antenna |
| Test Mode(s) | U-NII-1(5150MHz-5250MHz) U-NII-2A(5250MHz-5350MHz) U-NII-2C(5470MHz-5725MHz) U-NII-3(5725MHz-5850MHz) |
| Modulation Type | 802.11a/n (HT20/HT40) : OFDM 802.11ac (VHT20/VHT40/VHT80): OFDM |
| Operating Frequency Range(s) | U-NII-1: 5150-5250MHz U-NII-2A:5250-5350MHz U-NII-2C:5470-5725MHz U-NII-3: 5725-5850MHz |
| Operating temperature range: | 0 ° C to 35° C |
| Operating voltage range: | 3.6 V to 4.35 V |
| State AC voltage: | 3.8V |

| EUT Accessory | |
|---------------|---|
| Adapter 1 | Manufacturer: Huawei Technologies Co., Ltd. (Manufacturer: Salcomp) Model: HW-059200EHQ SN:K68304J3T03348 |



| | |
|--|--|
| Adapter 2 | Manufacturer: Huawei Technologies Co., Ltd. (Manufacturer: BYD) Model: HW-059200EHQ SN: B68331J4E00880 |
| Adapter 3 | Manufacturer: Huawei Technologies Co., Ltd. (Manufacturer: Salcomp) Model: HW-059200UHQ SN: K76520J4H09868 |
| Adapter 4 | Manufacturer: Huawei Technologies Co., Ltd. (Manufacturer: BYD) Model: HW-059200UHQ SN: B76549J4C22420 |
| Adapter 5 | Manufacturer: Huawei Technologies Co., Ltd. (Manufacturer: Salcomp) Model: HW-090200EH0 SN: K98814J2100215 |
| Adapter 6 | Manufacturer: Huawei Technologies Co., Ltd. (Manufacturer: HUNTKEY) Model: HW-090200EH0 SN: H988K7J3D00176 |
| Adapter 7 | Manufacturer: Huawei Technologies Co., Ltd. (Manufacturer: Salcomp) Model: HW-090200UH0 SN: K99201J3Y00029 |
| Adapter 8 | Manufacturer: Huawei Technologies Co., Ltd. (Manufacturer: HUNTKEY) Model: HW-090200UH0 SN: H992K5J3X00029 |
| Battery 1 | Manufacturer: Huawei Technologies Co., Ltd. (Manufacturer: SCUD) Model: HB386589ECW |
| Battery 2 | Manufacturer: Huawei Technologies Co., Ltd. (Manufacturer: Desay) Model: HB386589ECW |
| Earphone 1 | Manufacturer: Merry Electronics Co., Ltd Model: EMC309-001 |
| Earphone 2 | Manufacturer: Boluo County Quancheng Electronic Co., Ltd. Model: 1311-3291-3.5mm-229 |
| Earphone 3 | Manufacturer: Jiangxi Lianchuang Hongsheng Electronic Co., LTD. Model: MEMD1632B580C00 |
| USB Cable 1 | Manufacturer: Ningbo Broad Telecommunication Co., Ltd Model: WA0002 |
| USB Cable 2 | Manufacturer: LUXSHARE Precision Industry Co., Ltd. Model: L99UC093-CS-H |
| USB Cable 3 | Manufacturer: HUIZHOU DEHONG TECHNOLOGY CO.,LTD Model: 330-50362 |
| <p>Note: The information of the EUT is declared by the manufacturer.</p> <p>2. There is more than one Adapter, Battery, Earphone and USB Cable, each one should be applied throughout the compliance test respectively, and however, only the worst case (Adapter 1, Battery 2, Earphone 2 and USB Cable 1) will be recorded in this report.</p> | |



3. Applied Standards

According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC CFR47 Part 15E (2018) Unlicensed National Information Infrastructure Devices

ANSI C63.10 (2013)

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

KDB 662911 D01 Multiple Transmitter Output v02r01

4. Test Configuration

Test Mode

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

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 lie-down position (X axis) and the worst case was recorded.

In order to find the worst case condition, Pre-tests are needed at the presence of different data rate. Preliminary tests have been done on all the configuration for confirming worst case. Data rate below means worst-case rate of each test item.

5. Test Case Results

5.1. 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):

I) Peak emission levels are measured by setting the instrument as follows:

1) RBW = 1 MHz.

2) VBW \geq [3 \times RBW]

3) Detector = peak.

4) Sweep time = auto.

5) Trace mode = max hold.

6) Allow sweeps to continue until the trace stabilizes. Note that if the transmission is not continuous, then the time required for the trace to stabilize will increase by a factor of approximately 1 / D, where D is the duty cycle.

II) Average emission levels are measured by setting the instrument as follows:

a) RBW = 1 MHz.

b) VBW \geq [3 \times RBW].

c) Detector = RMS (power averaging), if [span / (# of points in sweep)] \leq RBW / 2. Satisfying this condition can require increasing the number of points in the sweep or reducing the span. If the condition is not satisfied, then the detector mode shall be set to peak.

d) Averaging type = power (i.e., rms) (As an alternative, the detector and averaging type may be set



for linear voltage averaging. Some instruments require linear display mode to use linear voltage averaging. Log or dB averaging shall not be used.)

e) Sweep time = auto.

f) Perform a trace average of at least 100 traces if the transmission is continuous. If the transmission is not continuous, then the number of traces shall be increased by a factor of $1 / D$, where D is the duty cycle. For example, with 50% duty cycle, at least 200 traces shall be averaged. (If a specific emission is demonstrated to be continuous—i.e., 100% duty cycle—then rather than turning ON and OFF with the transmit cycle, at least 100 traces shall be averaged.)

g) If tests are performed with the EUT transmitting at a duty cycle less than 98%, then a correction factor shall be added to the measurement results prior to comparing with the emission limit, to compute the emission level that would have been measured had the test been performed at 100% duty cycle. The correction factor is computed as follows:

1) If power averaging (rms) mode was used in the preceding step e), then the correction factor is $[10 \log (1 / D)]$, where D is the duty cycle. For example, if the transmit duty cycle was 50%, then 3 dB shall be added to the measured emission levels.

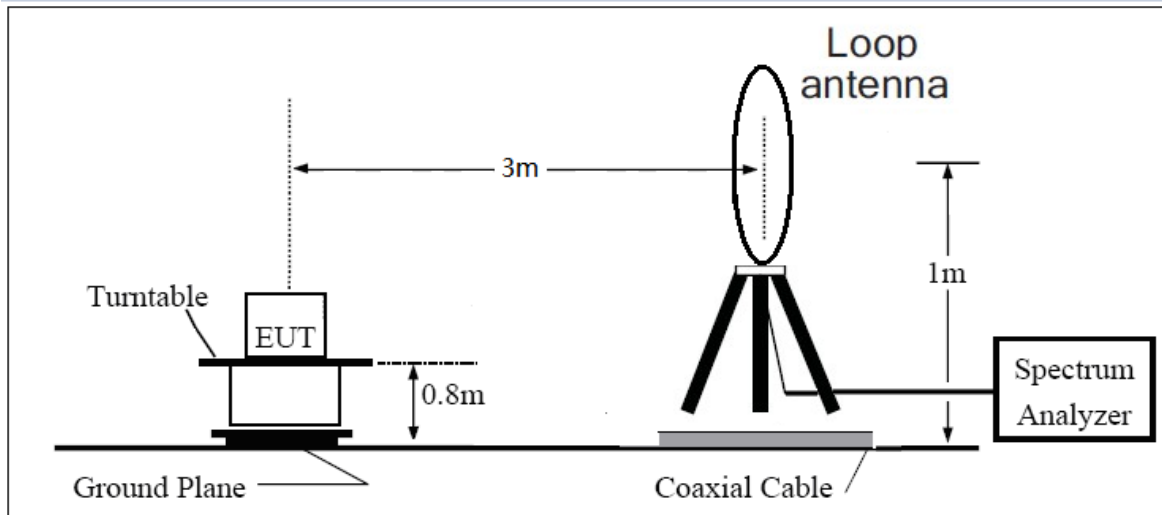
2) If linear voltage averaging mode was used in the preceding step e), then the correction factor is $[20 \log (1 / D)]$, where D is the duty cycle. For example, if the transmit duty cycle was 50%, then 6 dB shall be added to the measured emission levels.

3) If a specific emission is demonstrated to be continuous (100% duty cycle) rather than turning ON and OFF with the transmit cycle, then no duty cycle correction is required for that emission.

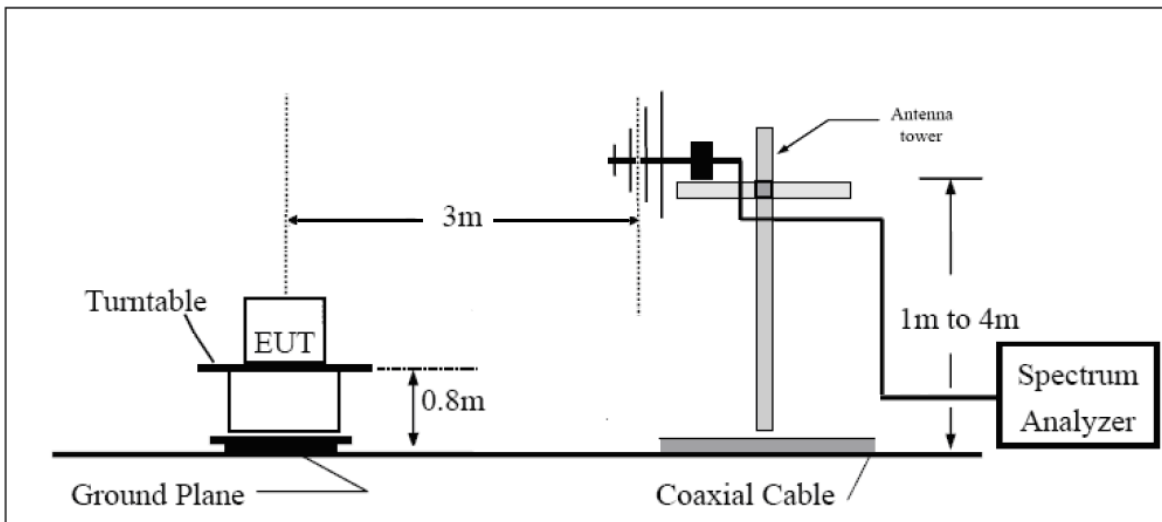
The field strength of spurious emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in stand-up position (Z axis) and the antenna is vertical.

The test is in transmitting mode.

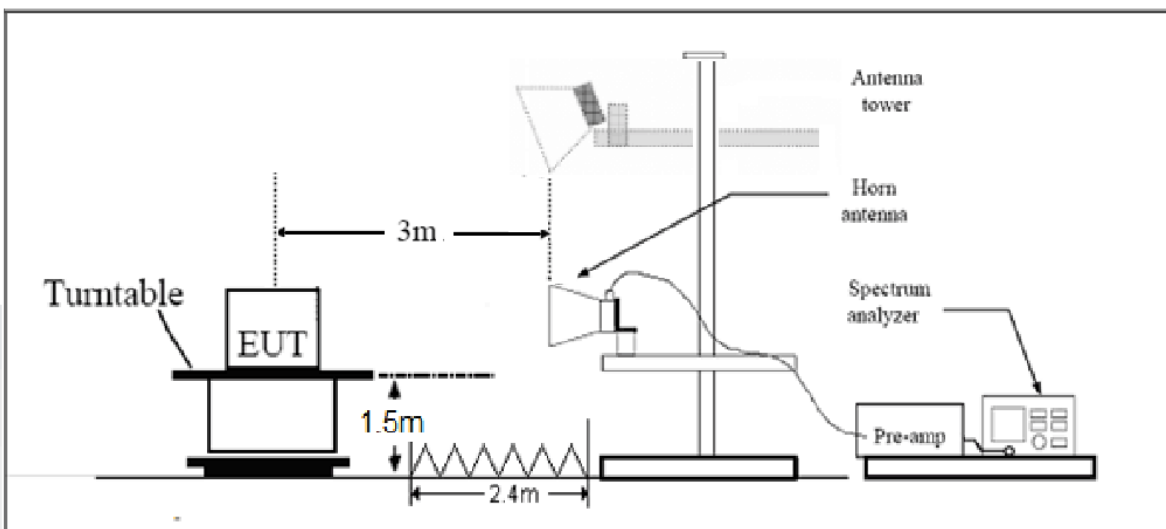
9KHz~~~30MHz



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 | (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 $k = 1.96$.

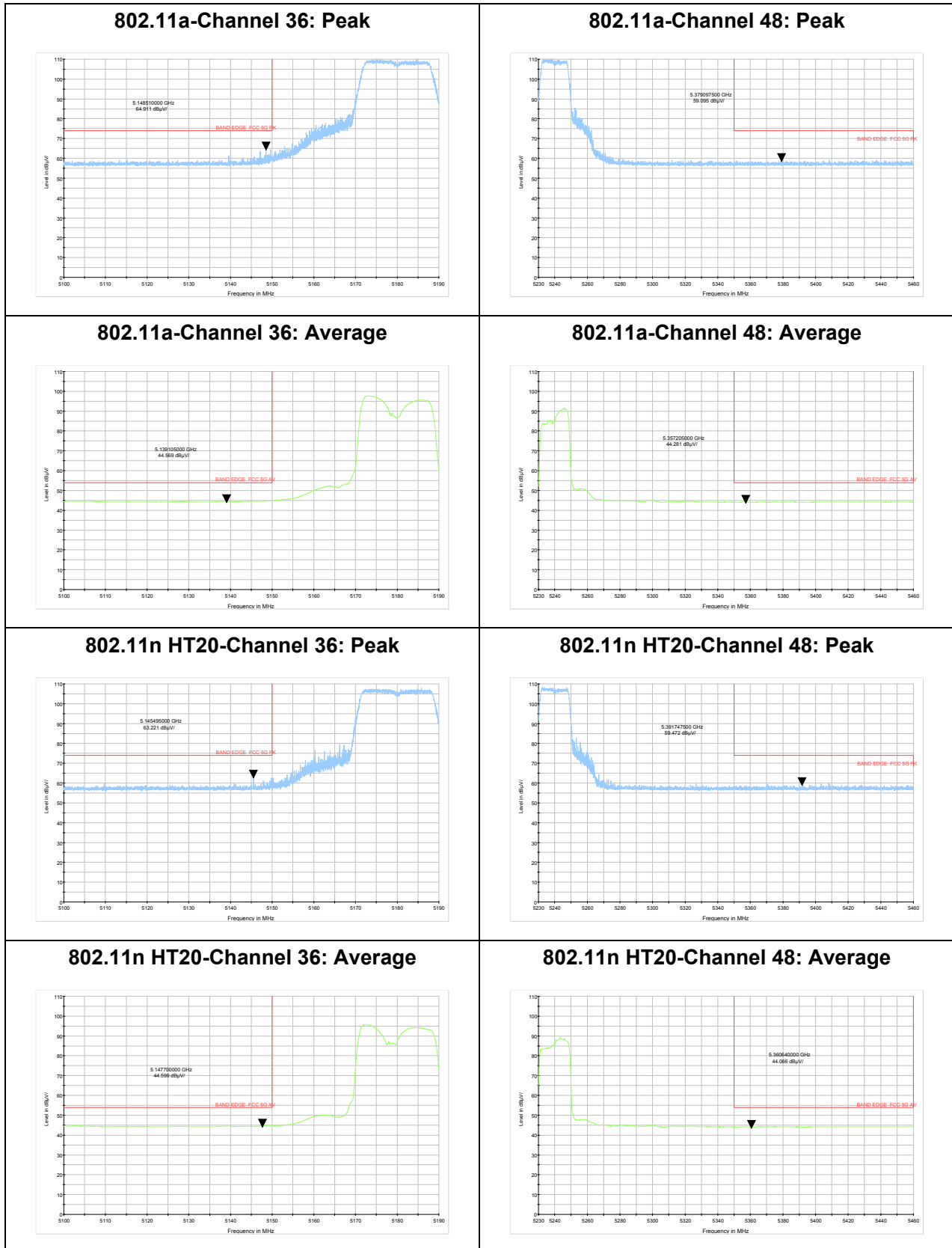
| Frequency | Uncertainty |
|--------------|-------------|
| 9KHz-30MHz | 3.55 dB |
| 30MHz-200MHz | 4.19 dB |
| 200MHz-1GHz | 3.63 dB |
| 1GHz-26.5G | 3.68 dB |
| 26.5G-40GHz | 4.76dB |



Test Results:

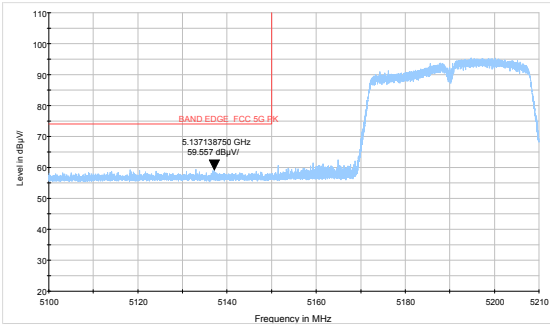
The signal beyond the limit is carrier.

U-NII-1

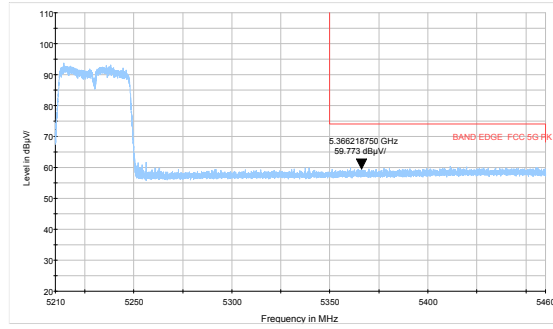




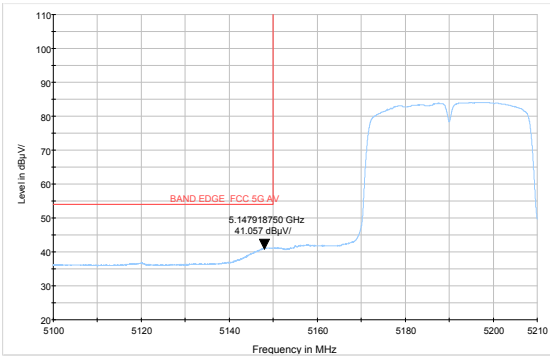
802.11n HT40-Channel 38: Peak



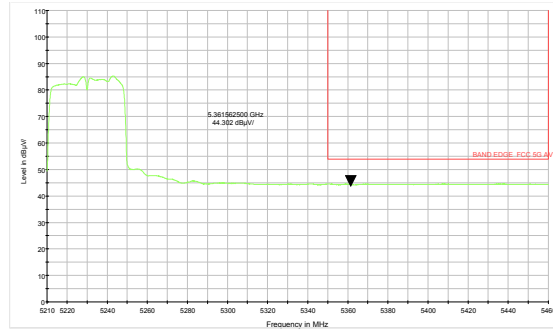
802.11n HT40-Channel 46: Peak



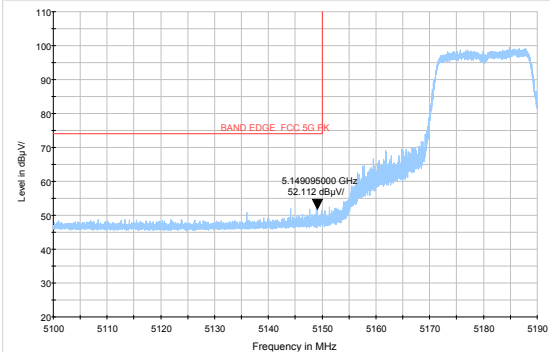
802.11n HT40-Channel 38: Average



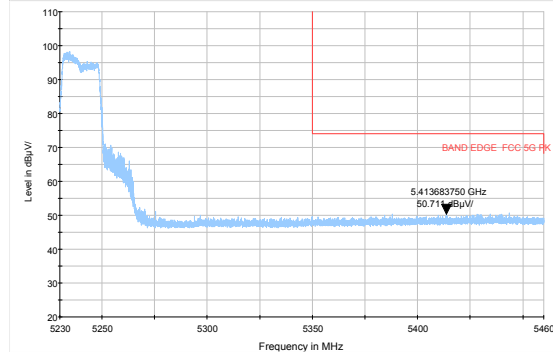
802.11n HT40-Channel 46: Average



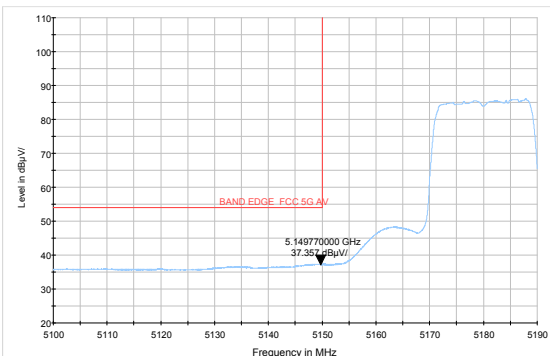
802.11ac VHT20 -Channel 36: Peak



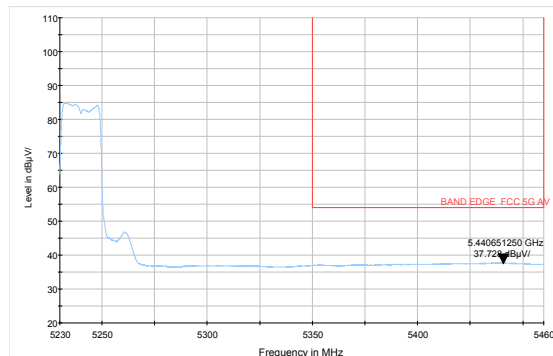
802.11ac VHT20 -Channel 48: Peak



802.11ac VHT20-Channel 36: Average

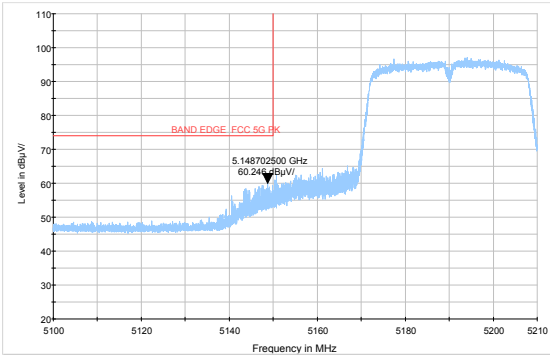


802.11ac VHT20 -Channel 48: Average

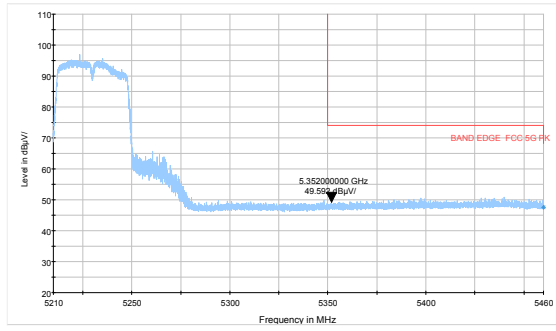




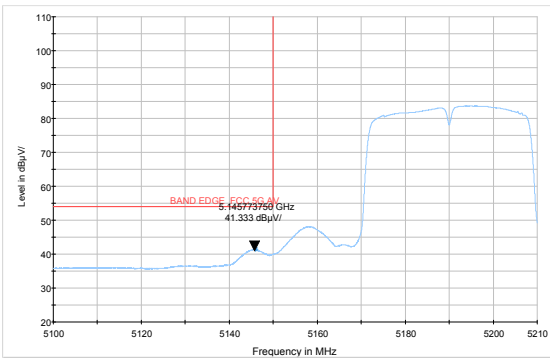
802.11ac VHT40-Channel 38: Peak



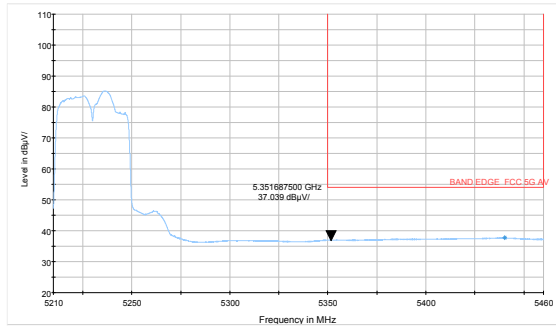
802.11ac VHT40-Channel 46: Peak



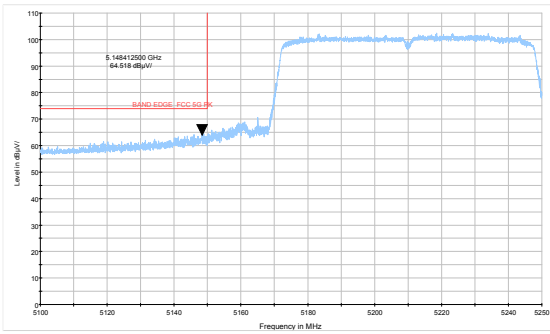
802.11ac VHT40-Channel 38: Average



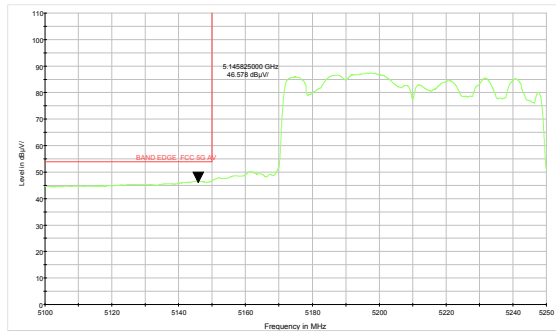
802.11ac VHT40-Channel 46: Average



802.11ac VHT80 -Channel 42: Peak



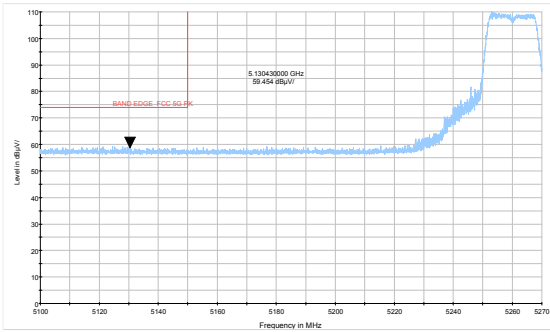
802.11ac VHT80- Channel 42: Average



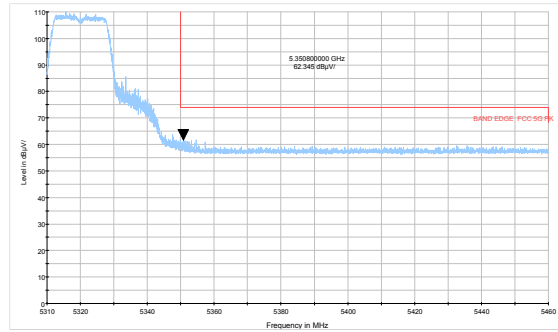


U-NII-2A

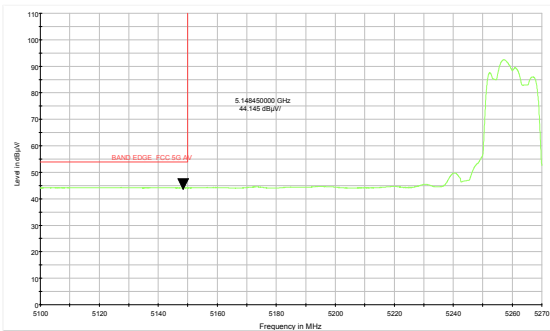
802.11a-Channel 52: Peak



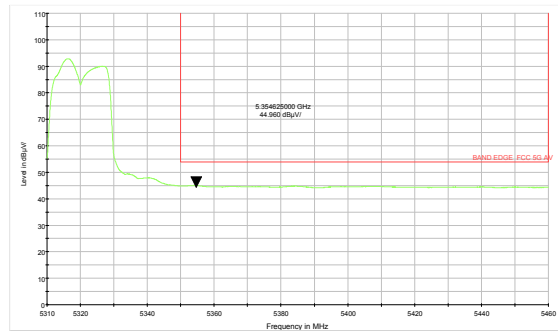
802.11a-Channel 64: Peak



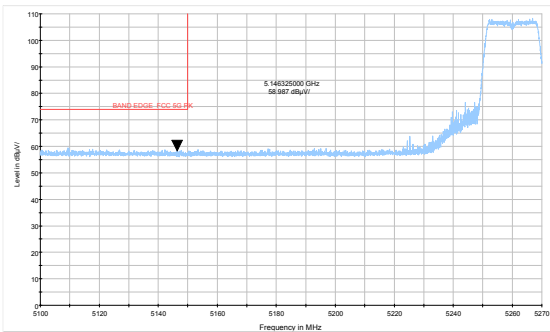
802.11a-Channel 52: Average



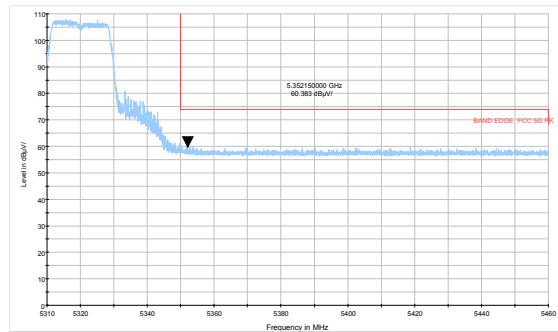
802.11a-Channel 64: Average



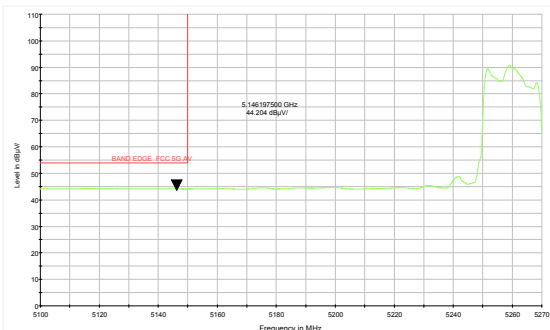
802.11n HT20-Channel 52: Peak



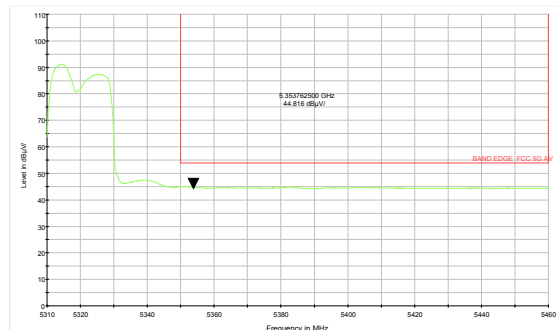
802.11n HT20-Channel 64: Peak



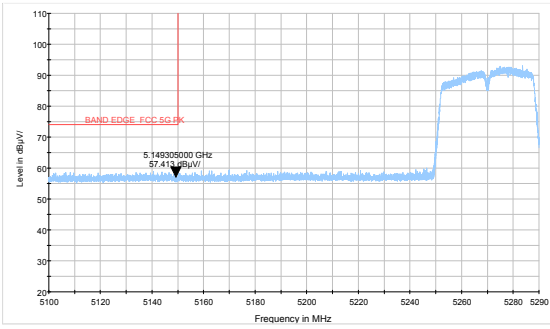
802.11n HT20-Channel 52: Average



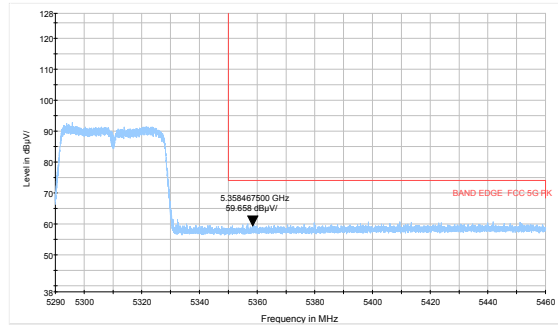
802.11n HT20-Channel 64: Average



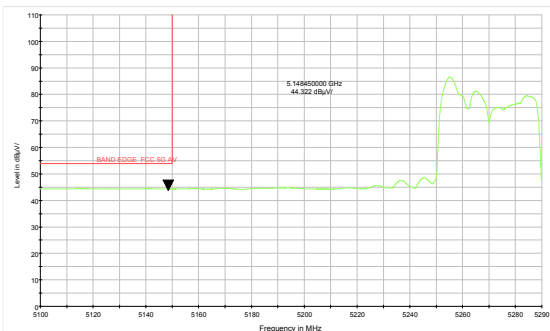
802.11n HT40-Channel 54: Peak



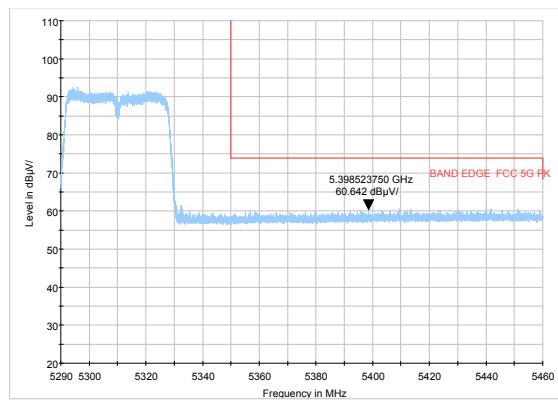
802.11n HT40-Channel 62: Peak



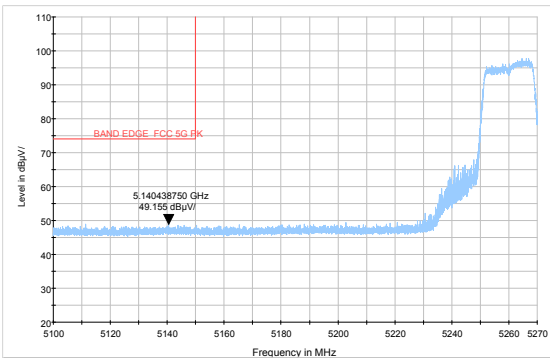
802.11n HT40-Channel 54: Average



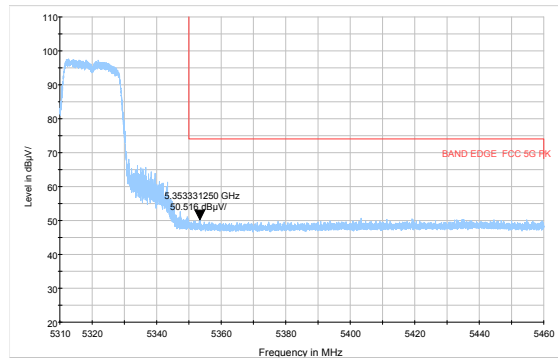
802.11n HT40-Channel 62: Average



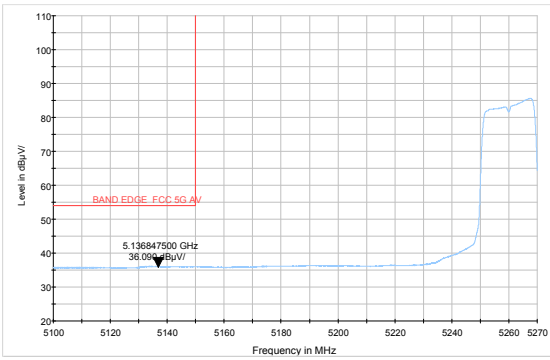
802.11ac VHT20 -Channel 52: Peak



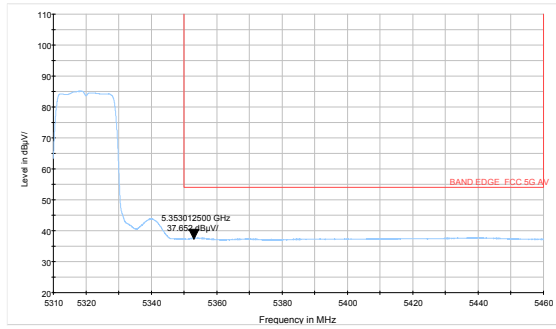
802.11ac VHT20 -Channel 64: Peak



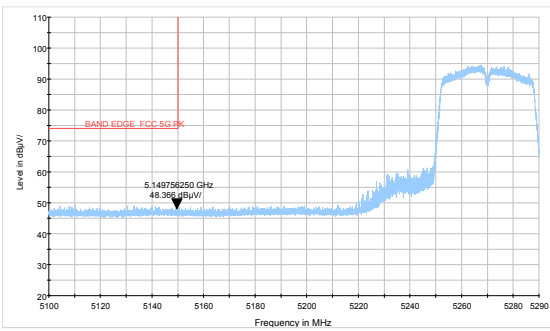
802.11ac VHT20-Channel 52: Average



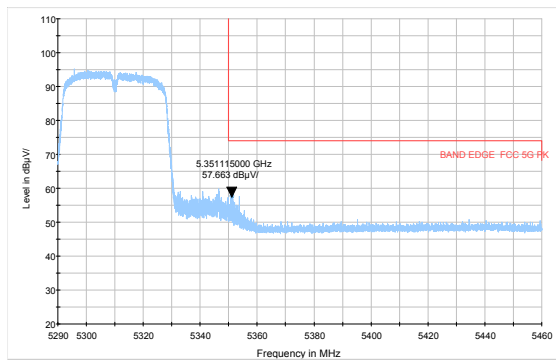
802.11ac VHT20 -Channel 64: Average



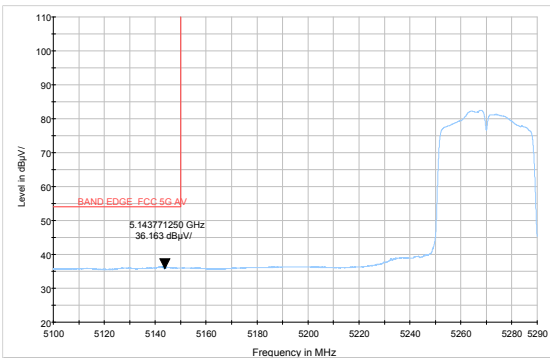
802.11ac VHT40-Channel 54: Peak



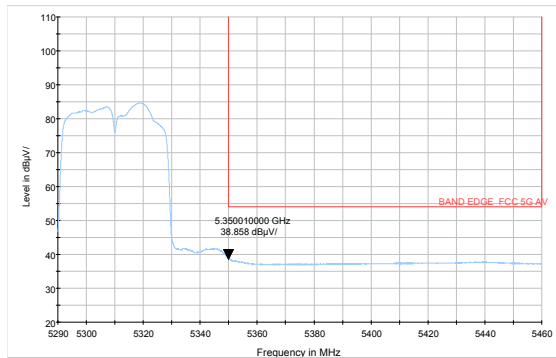
802.11ac VHT40-Channel 62: Peak



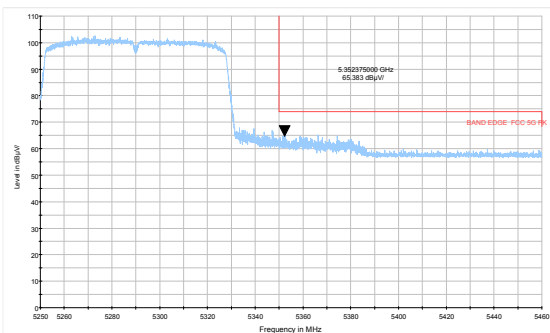
802.11ac VHT40-Channel 54: Average



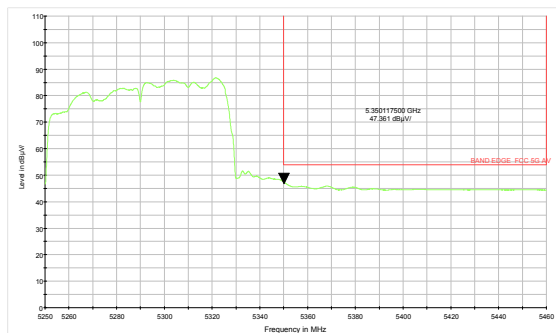
802.11ac VHT40-Channel 62: Average



802.11ac VHT80 -Channel 58: Peak



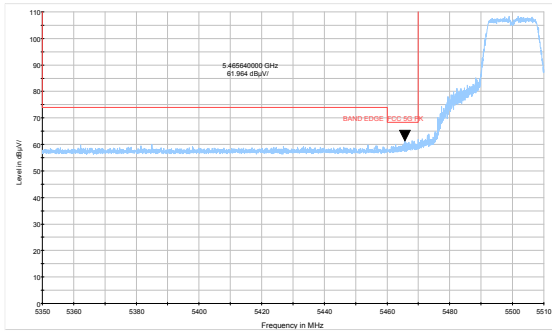
802.11ac VHT80- Channel 58: Average



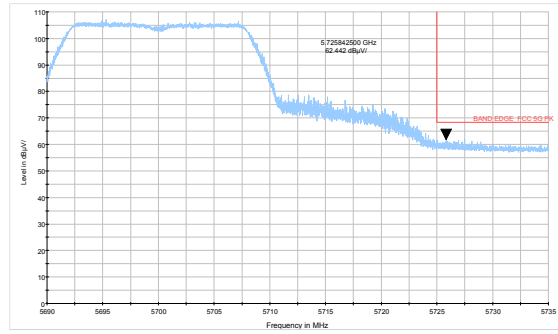


U-NII-2C

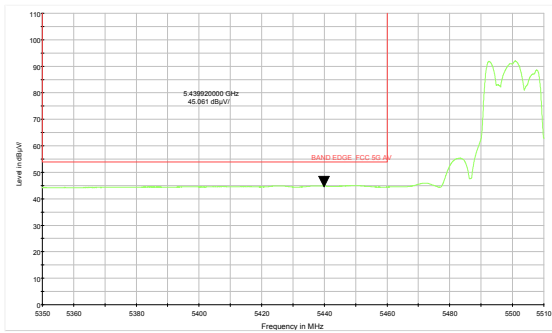
802.11a-Channel 100: Peak



802.11a-Channel 140: Peak

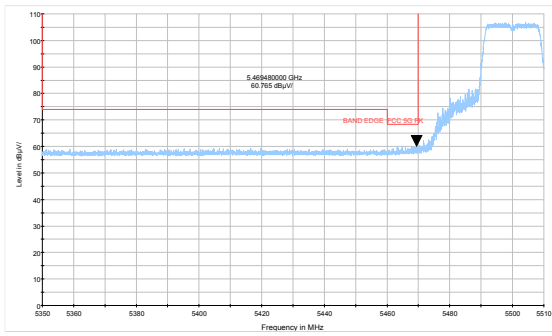


802.11a-Channel 100: Average

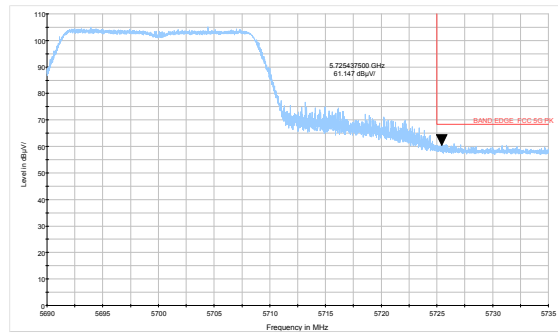




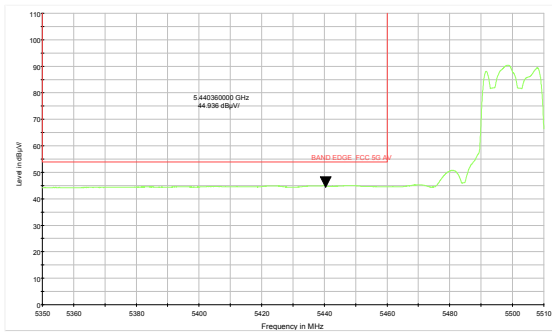
802.11n HT20-Channel 100: Peak



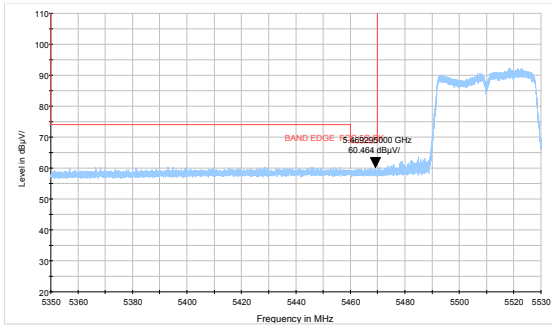
802.11n HT20-Channel 140: Peak



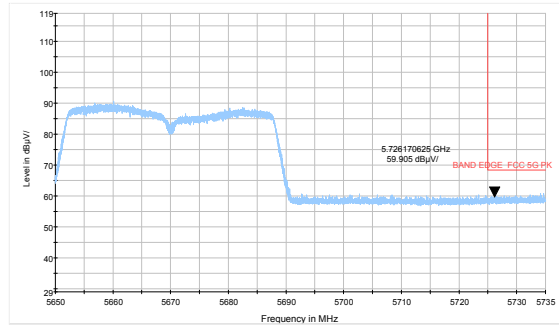
802.11n HT20-Channel 100: Average



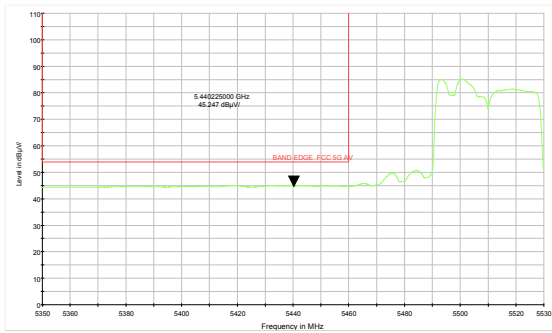
802.11n HT40-Channel 102: Peak



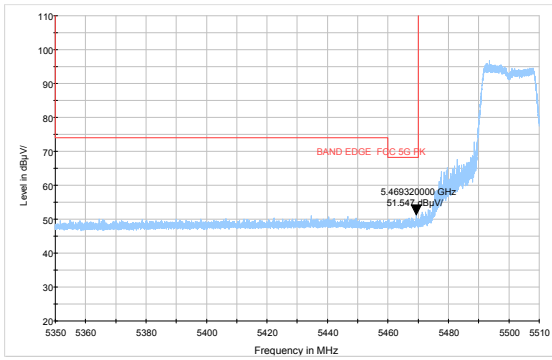
802.11n HT40-Channel 134: Peak



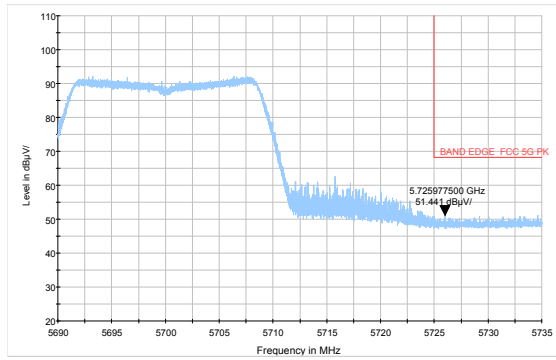
802.11n HT40-Channel 102: Average



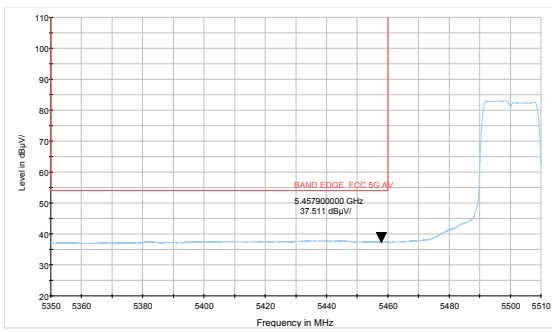
802.11ac VHT20 -Channel 100: Peak



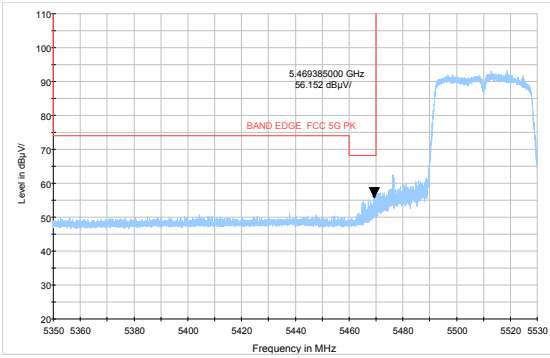
802.11ac VHT20 -Channel 140: Peak



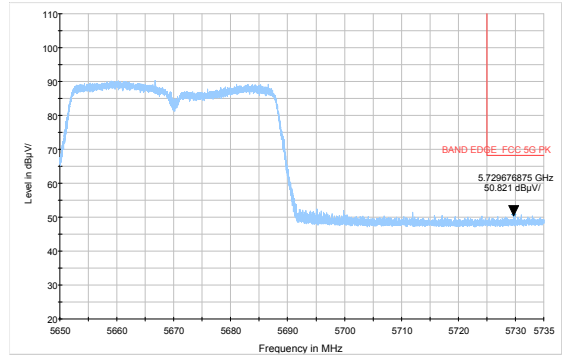
802.11ac VHT20-Channel 100: Average



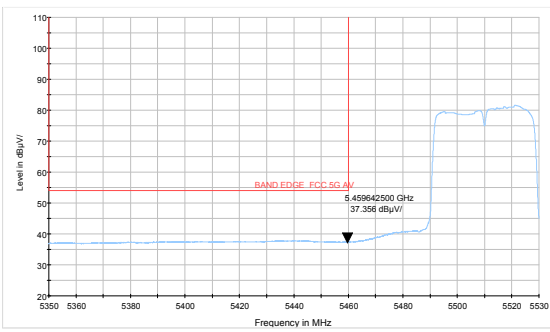
802.11ac VHT40-Channel 102: Peak



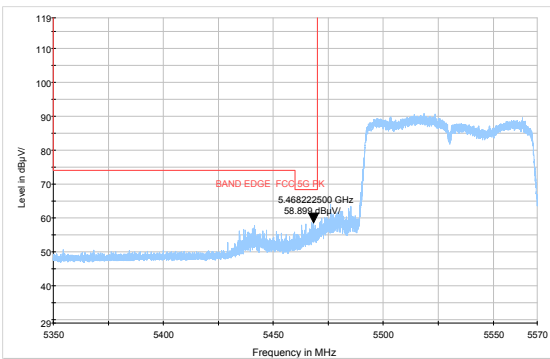
802.11ac VHT40-Channel 134: Peak



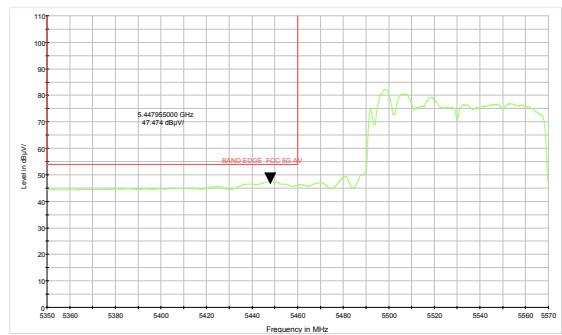
802.11ac VHT40-Channel 102: Average



802.11ac VHT80 -Channel 106: Peak



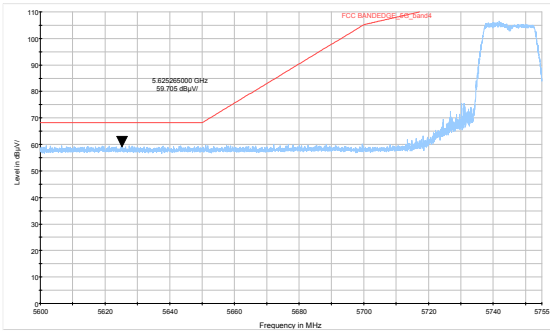
802.11ac VHT80- Channel 106: Average



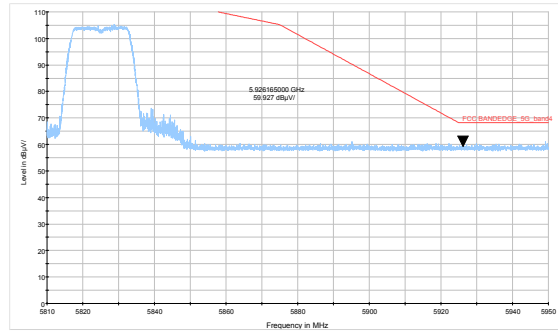


U-NII-3

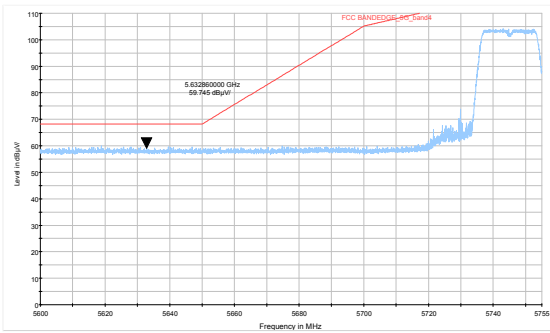
802.11a-Channel 149: Peak



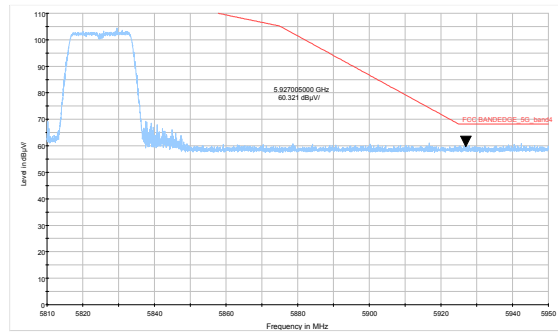
802.11a-Channel 165: Peak



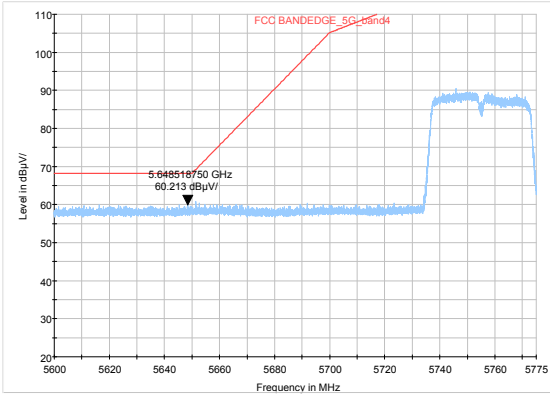
802.11n HT20-Channel 149: Peak



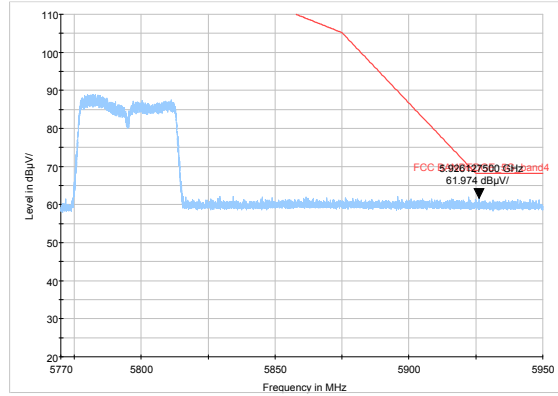
802.11n HT20-Channel 165: Peak



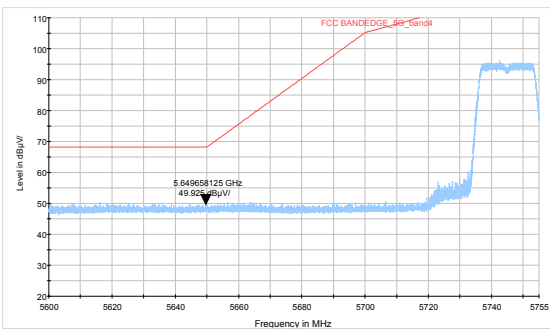
802.11n HT40-Channel 151: Peak



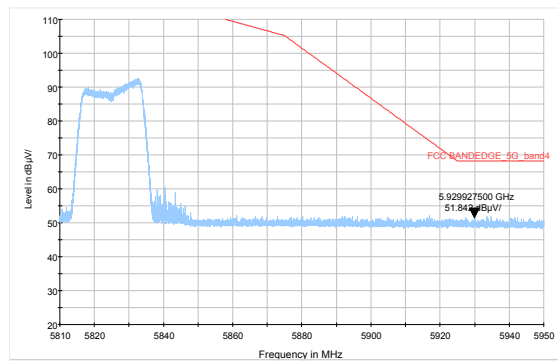
802.11n HT40-Channel 159: Peak



802.11ac VHT20-Channel 149: Peak

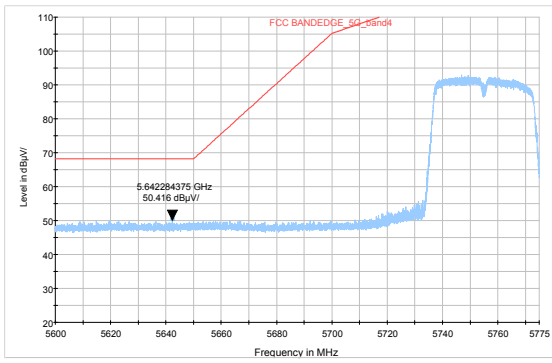


802.11ac VHT20-Channel 165: Peak

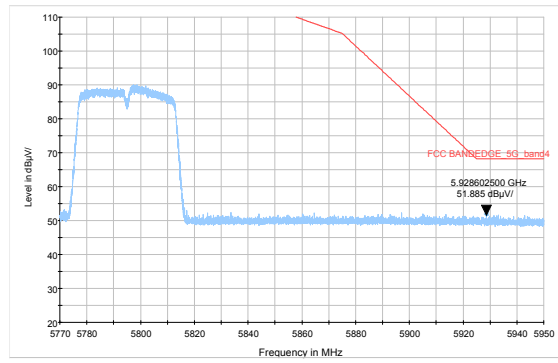




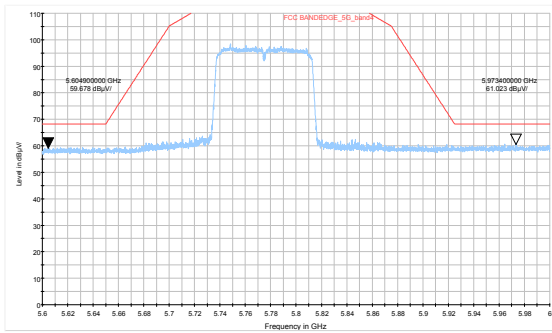
802.11ac VHT40-Channel 151: Peak



802.11ac VHT40-Channel 159: Peak



802.11ac VHT80- Channel 155: Peak



Result of RE

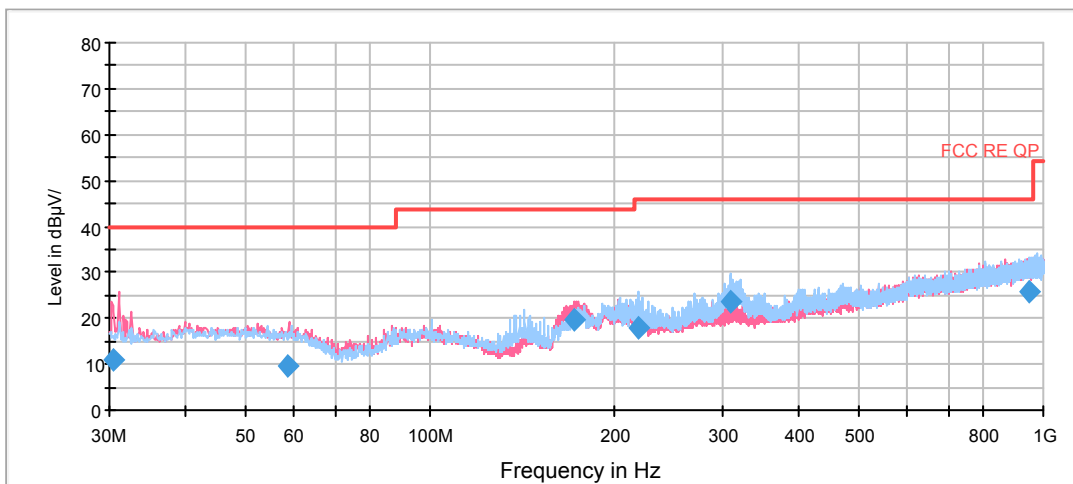
Test result

Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, the emissions in the frequency band 9kHz-30MHz and 26.5GHz-40GHz are more than 20dB below the limit are not reported.

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels, 802.11a, Channel 157 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

Continuous TX mode:

FCC RE 0.03-1GHz QP Class B



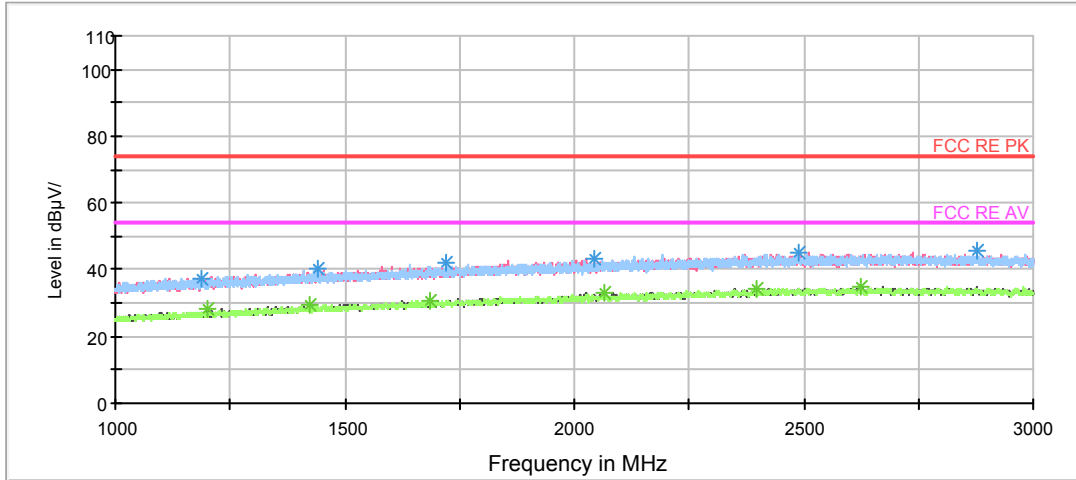
Radiates Emission from 30MHz to 1GHz

| Frequency (MHz) | Quasi-Peak (dBuV/m) | Reading value (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------------|------------------------|-------------|--------------|---------------|---------------------|-------------|----------------|
| 30.491250 | 11.0 | -1.1 | 111.0 | V | 57.0 | 12.1 | 29.0 | 40.0 |
| 58.457500 | 9.8 | -2.9 | 125.0 | V | 105.0 | 12.7 | 30.2 | 40.0 |
| 171.663750 | 19.9 | 9.4 | 100.0 | V | 257.0 | 10.5 | 23.6 | 43.5 |
| 219.151250 | 17.8 | 4.6 | 100.0 | H | 338.0 | 13.2 | 28.2 | 46.0 |
| 309.366250 | 23.8 | 7.8 | 100.0 | H | 277.0 | 16.0 | 22.2 | 46.0 |
| 947.013750 | 26.0 | -1.2 | 114.0 | H | 90.0 | 27.2 | 20.0 | 46.0 |

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

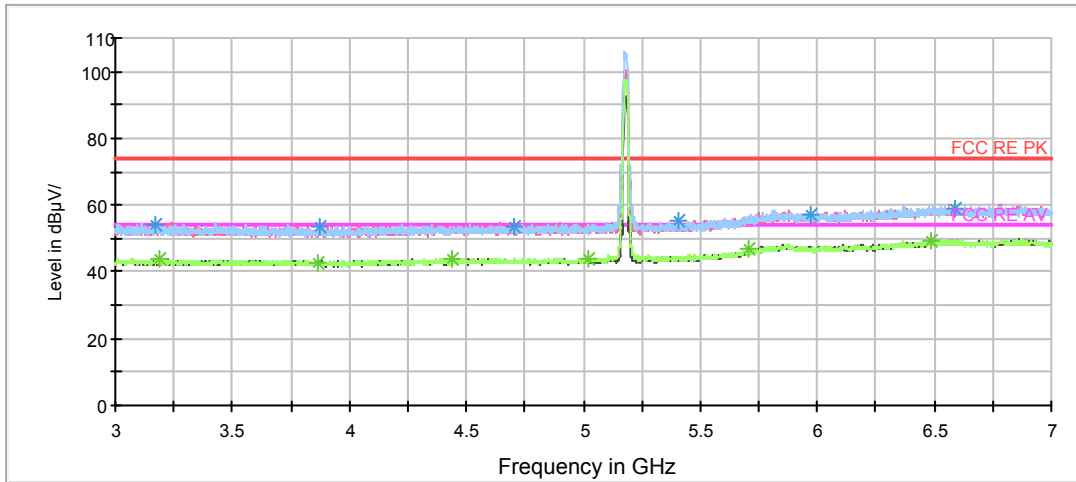
802.11a CH36

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



Radiates Emission from 1GHz to 3GHz

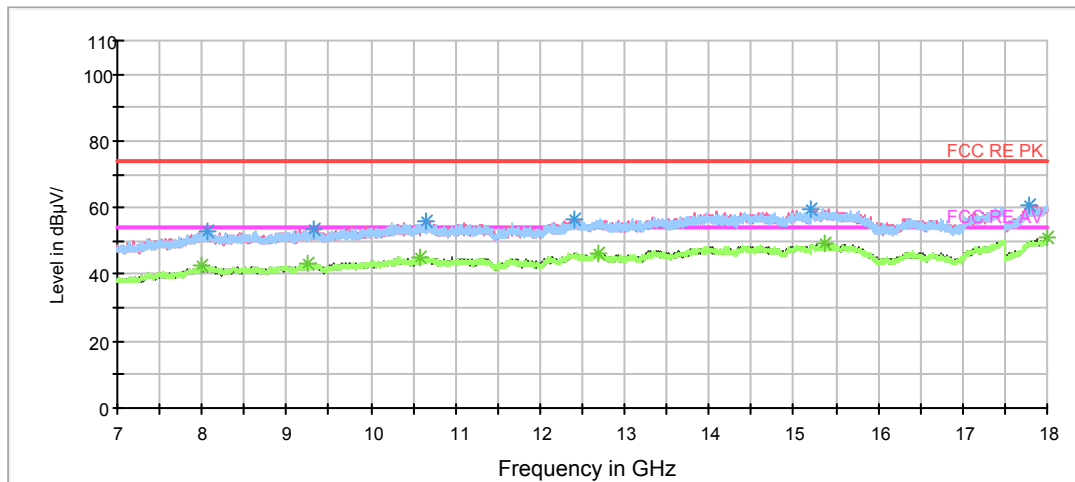
FCC RE 1G-18GHz PK+AV Class B



Note: The signal beyond the limit is carrier.

Radiates Emission from 3GHz to 7GHz

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



Radiates Emission from 7GHz to 18GHz

| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3175.000000 | 54.0 | 200.0 | V | 4.0 | 44.2 | 9.8 | 20.0 | 74 |
| 3872.500000 | 53.5 | 100.0 | H | 0.0 | 43.0 | 10.5 | 20.5 | 74 |
| 4704.250000 | 53.8 | 200.0 | V | 4.0 | 42.2 | 11.6 | 20.2 | 74 |
| 5409.250000 | 55.6 | 200.0 | H | 358.0 | 43.3 | 12.3 | 18.4 | 74 |
| 5968.000000 | 57.2 | 100.0 | H | 1.0 | 42.1 | 15.1 | 16.8 | 74 |
| 6585.250000 | 59.0 | 100.0 | H | 2.0 | 41.6 | 17.4 | 15.0 | 74 |

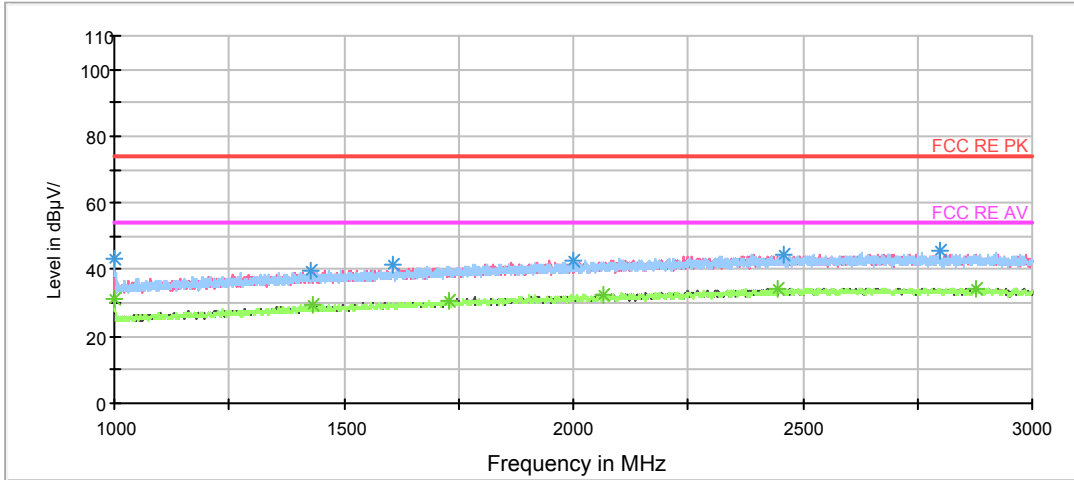
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3185.500000 | 43.7 | 100.0 | V | 68.0 | 34.0 | 9.7 | 10.3 | 54 |
| 3863.500000 | 43.0 | 100.0 | H | 50.0 | 32.6 | 10.4 | 11.0 | 54 |
| 4436.500000 | 43.8 | 100.0 | V | 357.0 | 32.2 | 11.6 | 10.2 | 54 |
| 5019.250000 | 43.8 | 100.0 | V | 0.0 | 32.1 | 11.7 | 10.2 | 54 |
| 5710.000000 | 46.7 | 200.0 | H | 73.0 | 32.3 | 14.4 | 7.3 | 54 |
| 6485.500000 | 49.0 | 100.0 | H | 253.0 | 31.8 | 17.2 | 5.0 | 54 |

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

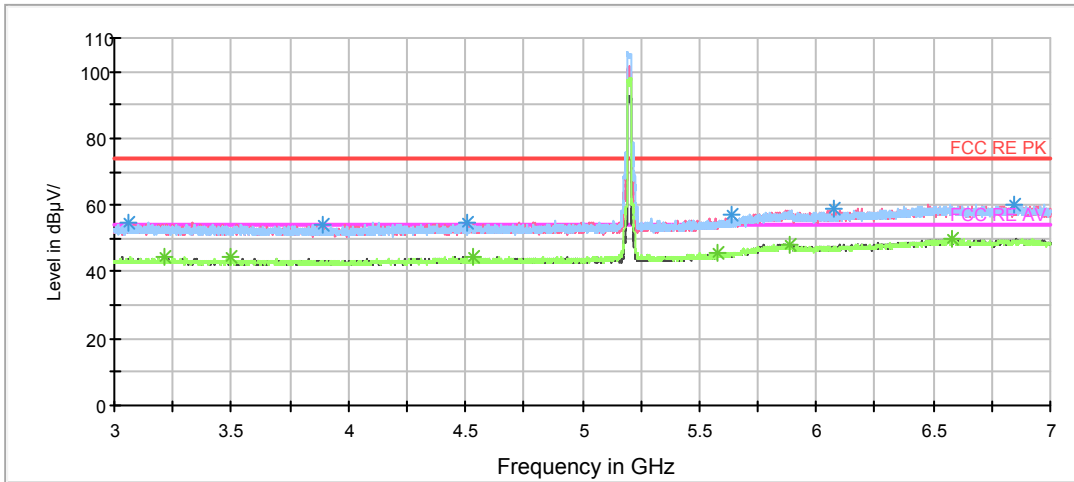
802.11a CH40

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



Radiates Emission from 1GHz to 3GHz

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

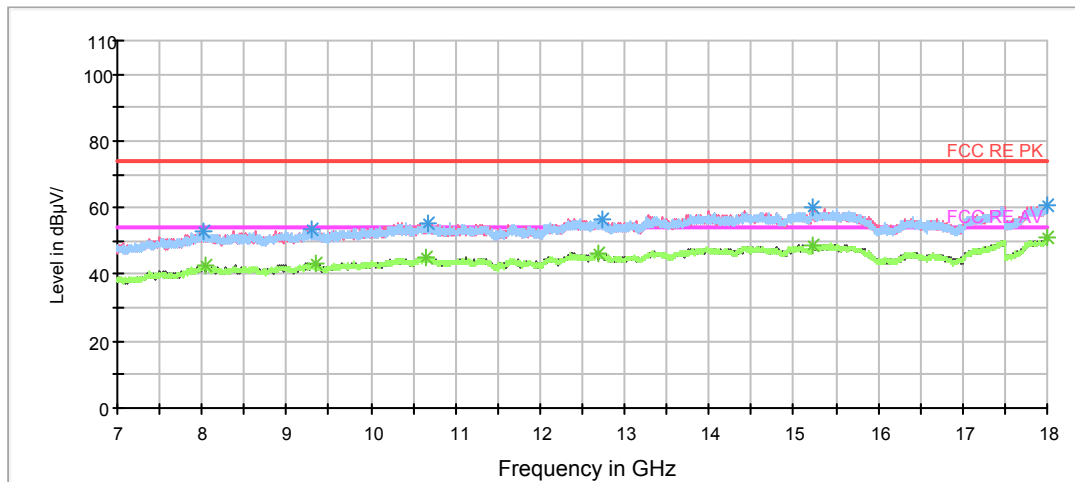


Note: The signal beyond the limit is carrier.

Radiates Emission from 3GHz to 7GHz



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



Radiates Emission from 7GHz to 18GHz

| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3056.500000 | 55.0 | 200.0 | V | 0.0 | 45.3 | 9.7 | 19.0 | 74 |
| 3888.000000 | 53.9 | 100.0 | V | 173.0 | 43.4 | 10.5 | 20.1 | 74 |
| 4505.500000 | 54.6 | 200.0 | H | 0.0 | 43.0 | 11.6 | 19.4 | 74 |
| 5634.500000 | 56.8 | 200.0 | H | 0.0 | 43.3 | 13.5 | 17.2 | 74 |
| 6078.000000 | 59.0 | 100.0 | H | 208.0 | 43.8 | 15.2 | 15.0 | 74 |
| 6843.000000 | 60.4 | 200.0 | H | 68.0 | 43.1 | 17.3 | 13.6 | 74 |

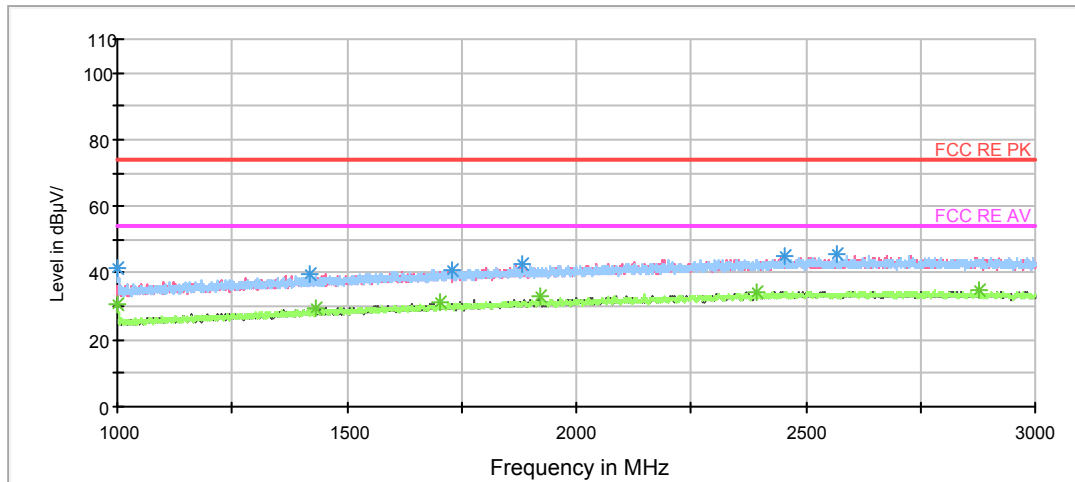
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3213.000000 | 44.4 | 200.0 | H | 345.0 | 34.5 | 9.9 | 9.6 | 54 |
| 3494.500000 | 44.2 | 100.0 | H | 4.0 | 34.1 | 10.1 | 9.8 | 54 |
| 4536.500000 | 44.3 | 200.0 | H | 345.0 | 32.6 | 11.7 | 9.7 | 54 |
| 5577.000000 | 45.5 | 200.0 | V | 0.0 | 32.3 | 13.2 | 8.5 | 54 |
| 5883.000000 | 48.2 | 100.0 | H | 72.0 | 32.5 | 15.7 | 5.8 | 54 |
| 6583.500000 | 49.8 | 100.0 | H | 0.0 | 32.4 | 17.4 | 4.2 | 54 |

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

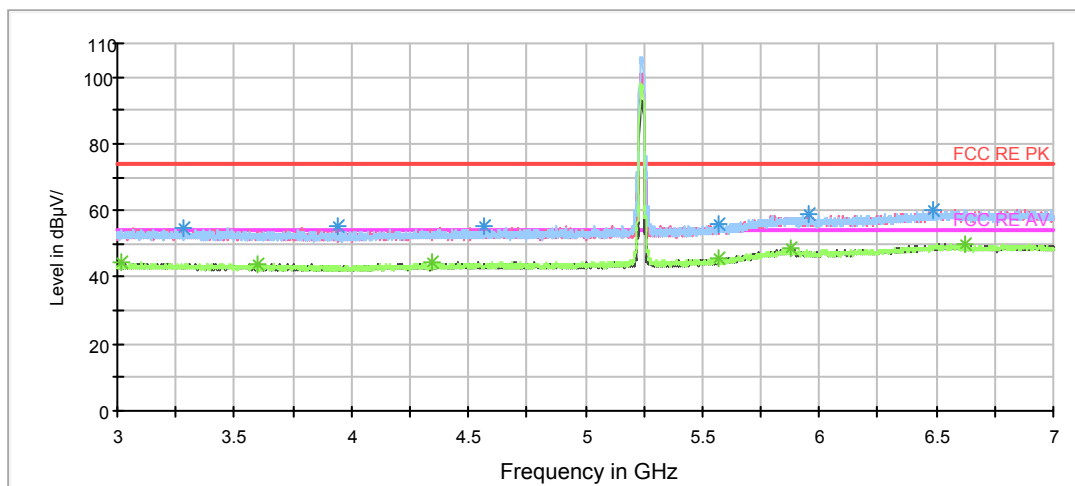
802.11a CH48

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



Radiates Emission from 1GHz to 3GHz

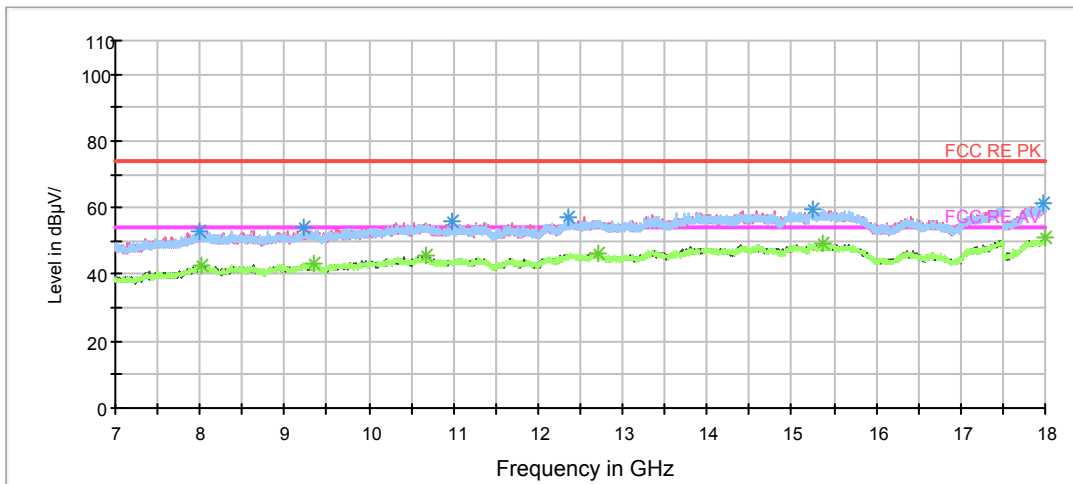
FCC RE 1G-18GHz PK+AV Class B



Note: The signal beyond the limit is carrier.

Radiates Emission from 3GHz to 7GHz

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



Radiates Emission from 7GHz to 18GHz

| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3278.500000 | 55.0 | 200.0 | V | 187.0 | 45.2 | 9.8 | 19.0 | 74 |
| 3945.500000 | 55.0 | 100.0 | V | 349.0 | 44.6 | 10.4 | 19.0 | 74 |
| 4569.500000 | 55.1 | 200.0 | H | 349.0 | 43.5 | 11.6 | 18.9 | 74 |
| 5958.000000 | 58.7 | 200.0 | V | 30.0 | 43.5 | 15.2 | 15.3 | 74 |
| 5569.000000 | 55.8 | 100.0 | V | 198.0 | 42.7 | 13.1 | 18.2 | 74 |
| 8006.500000 | 52.8 | 200.0 | V | 112.0 | 42.8 | 10.0 | 21.2 | 74 |

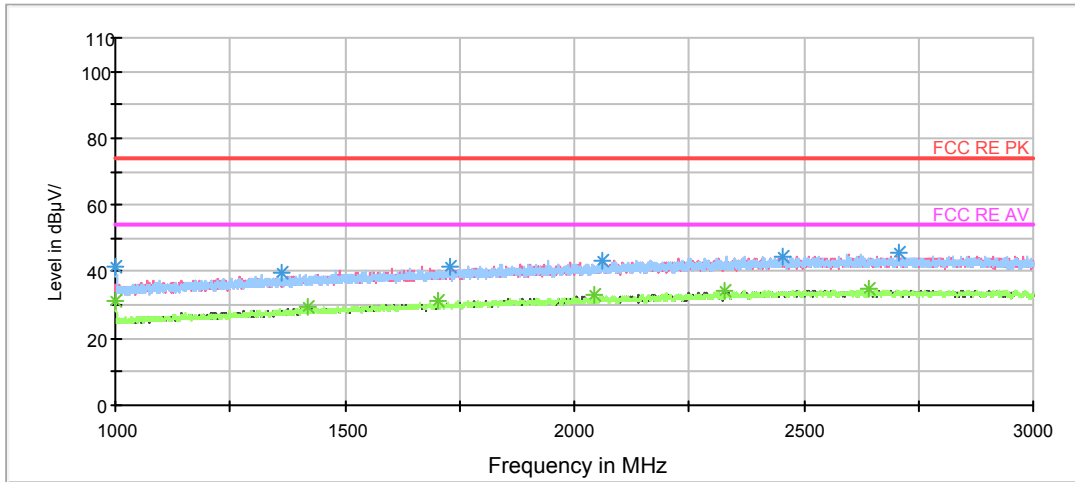
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3017.000000 | 44.2 | 200.0 | H | 0.0 | 34.5 | 9.7 | 9.8 | 54 |
| 3601.500000 | 44.0 | 200.0 | H | 349.0 | 33.9 | 10.1 | 10.0 | 54 |
| 4343.000000 | 44.6 | 200.0 | H | 357.0 | 33.2 | 11.4 | 9.4 | 54 |
| 5879.500000 | 48.4 | 100.0 | H | 150.0 | 32.6 | 15.8 | 5.6 | 54 |
| 5571.500000 | 45.5 | 100.0 | V | 357.0 | 32.4 | 13.1 | 8.5 | 54 |
| 8007.875000 | 42.6 | 100 | H | 0 | 32.6 | 10.0 | 11.4 | 54 |

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

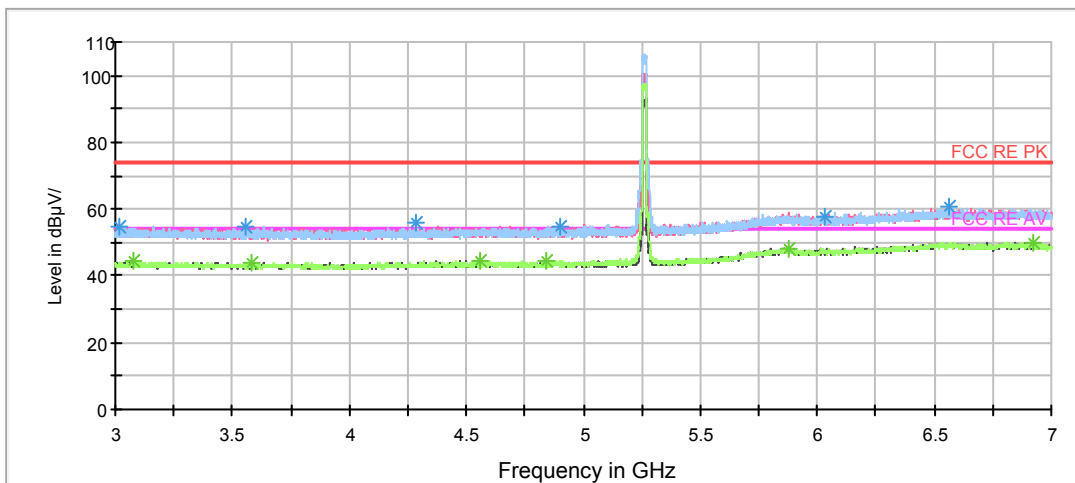
802.11a CH52

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



Radiates Emission from 1GHz to 3GHz

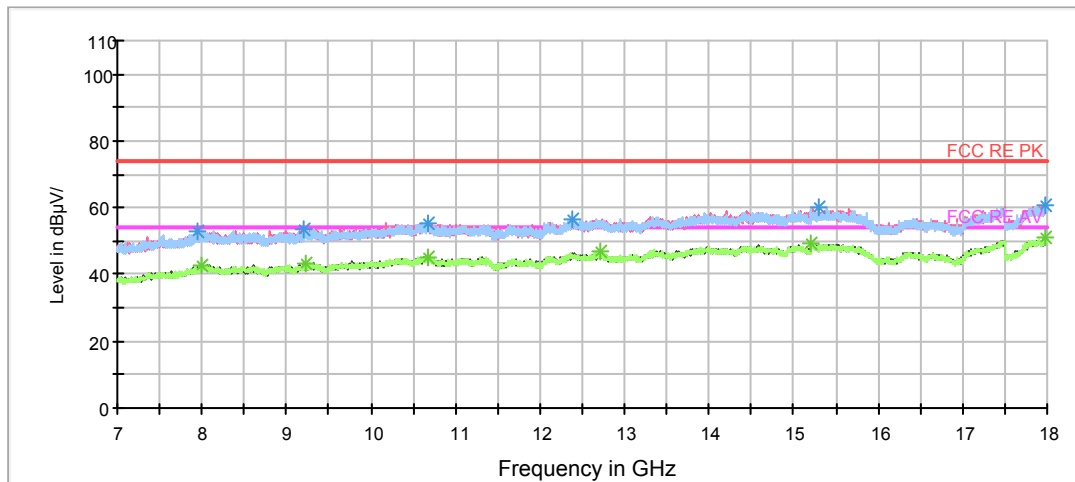
FCC RE 1G-18GHz PK+AV Class B



Note: The signal beyond the limit is carrier.

Radiates Emission from 3GHz to 7GHz

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



Radiates Emission from 7GHz to 18GHz

| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3014.000000 | 54.9 | 100.0 | H | 30.0 | 45.2 | 9.7 | 19.1 | 74 |
| 3559.000000 | 54.9 | 200.0 | H | 226.0 | 44.8 | 10.1 | 19.1 | 74 |
| 4288.000000 | 55.7 | 100.0 | H | 352.0 | 44.5 | 11.2 | 18.3 | 74 |
| 6561.500000 | 60.7 | 100.0 | V | 135.0 | 43.4 | 17.3 | 13.3 | 74 |
| 4904.000000 | 54.7 | 200.0 | H | 351.0 | 43.0 | 11.7 | 19.3 | 74 |
| 6029.000000 | 57.9 | 100.0 | V | 122.0 | 42.5 | 15.4 | 16.1 | 74 |

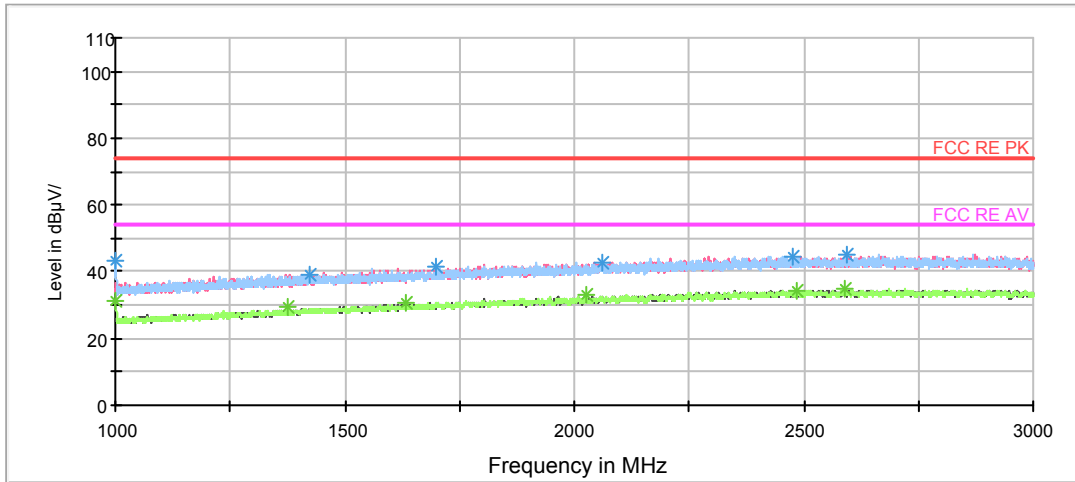
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3076.000000 | 44.3 | 100.0 | H | 0.0 | 34.6 | 9.7 | 9.7 | 54 |
| 3582.000000 | 44.0 | 200.0 | H | 210.0 | 33.7 | 10.3 | 10.0 | 54 |
| 4558.500000 | 44.3 | 200.0 | V | 76.0 | 32.7 | 11.6 | 9.7 | 54 |
| 6922.000000 | 49.9 | 100.0 | V | 330.0 | 32.6 | 17.3 | 4.1 | 54 |
| 4837.500000 | 44.3 | 100.0 | V | 135.0 | 32.5 | 11.8 | 9.7 | 54 |
| 5876.500000 | 48.1 | 100.0 | V | 349.0 | 32.3 | 15.8 | 5.9 | 54 |

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

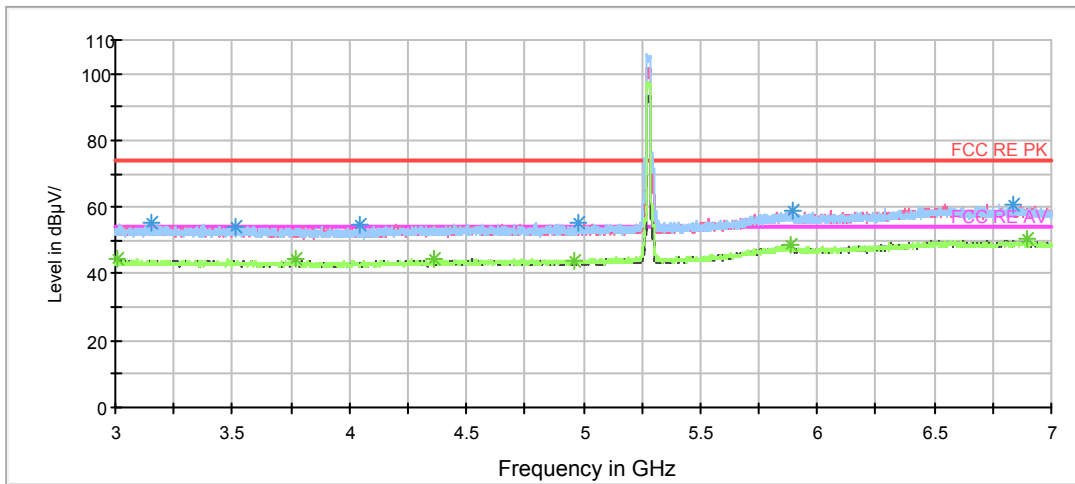
802.11a CH56

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



Radiates Emission from 1GHz to 3GHz

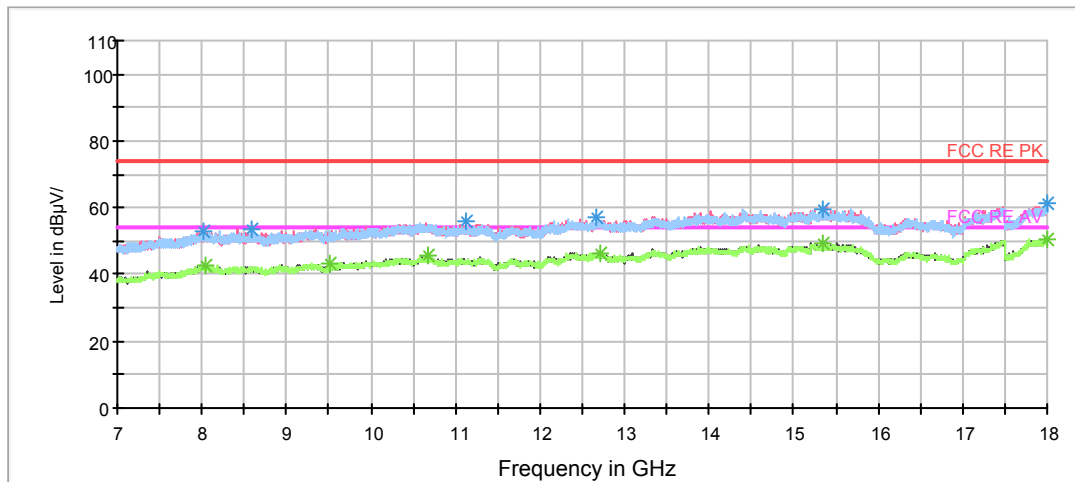
FCC RE 1G-18GHz PK+AV Class B



Note: The signal beyond the limit is carrier.

Radiates Emission from 3GHz to 7GHz

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



Radiates Emission from 7GHz to 18GHz

| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3153.500000 | 55.5 | 100.0 | H | 307.0 | 45.8 | 9.7 | 18.5 | 74 |
| 3513.500000 | 54.4 | 100.0 | H | 39.0 | 44.3 | 10.1 | 19.6 | 74 |
| 4044.500000 | 54.6 | 100.0 | H | 100.0 | 44.0 | 10.6 | 19.4 | 74 |
| 4981.000000 | 55.0 | 200.0 | V | 2.0 | 43.3 | 11.7 | 19.0 | 74 |
| 5898.500000 | 59.0 | 200.0 | V | 0.0 | 43.6 | 15.4 | 15.0 | 74 |
| 8013.375000 | 53.2 | 100.0 | H | 99.0 | 43.2 | 10.0 | 20.8 | 74 |

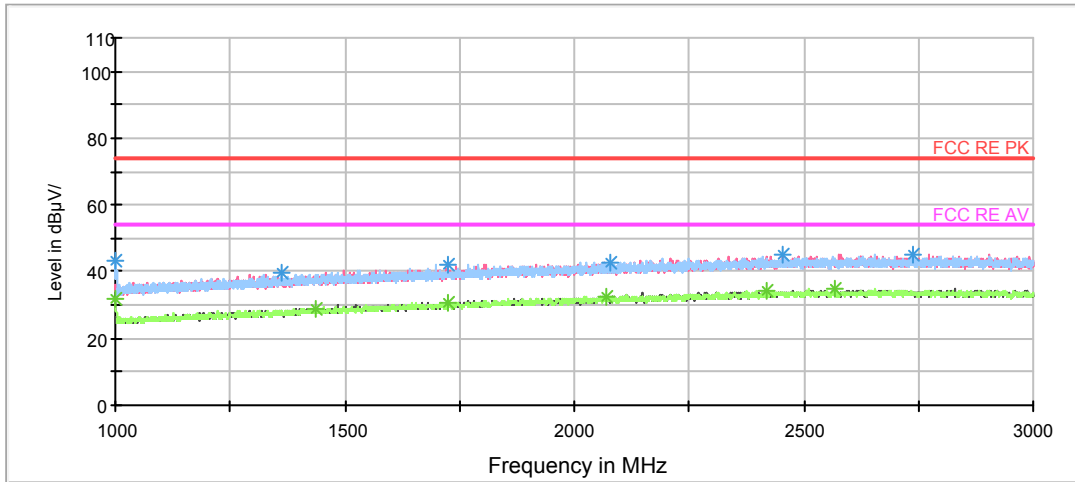
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3011.500000 | 44.3 | 200.0 | V | 306.0 | 34.6 | 9.7 | 9.7 | 54 |
| 3768.500000 | 44.2 | 200.0 | V | 199.0 | 33.7 | 10.5 | 9.8 | 54 |
| 4361.500000 | 44.3 | 100.0 | V | 235.0 | 32.9 | 11.4 | 9.7 | 54 |
| 4957.500000 | 44.1 | 200.0 | V | 5.0 | 32.5 | 11.6 | 9.9 | 54 |
| 5886.500000 | 48.4 | 100.0 | V | 356.0 | 32.8 | 15.6 | 5.6 | 54 |
| 8043.625000 | 42.6 | 100.0 | V | 0.0 | 32.8 | 9.8 | 11.4 | 54 |

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

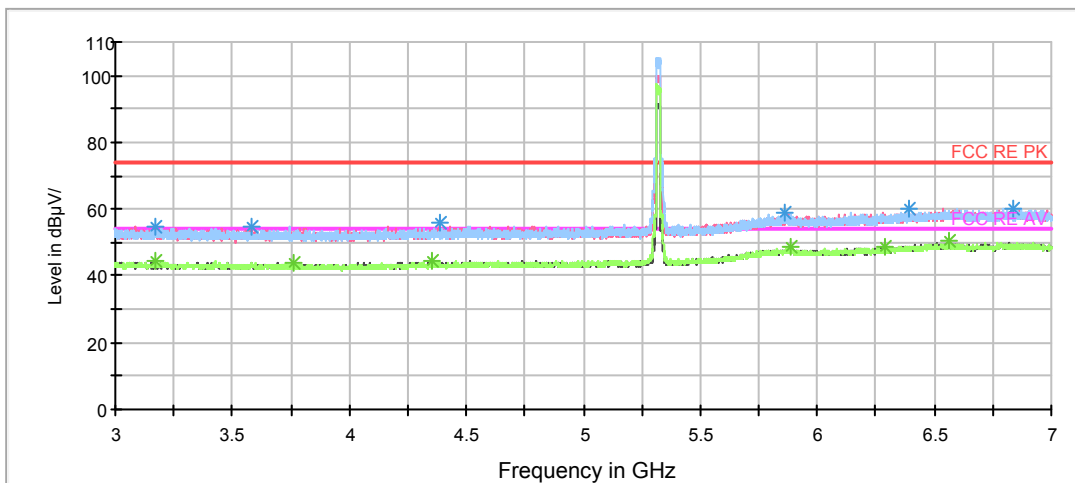
802.11a CH64

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



Radiates Emission from 1GHz to 3GHz

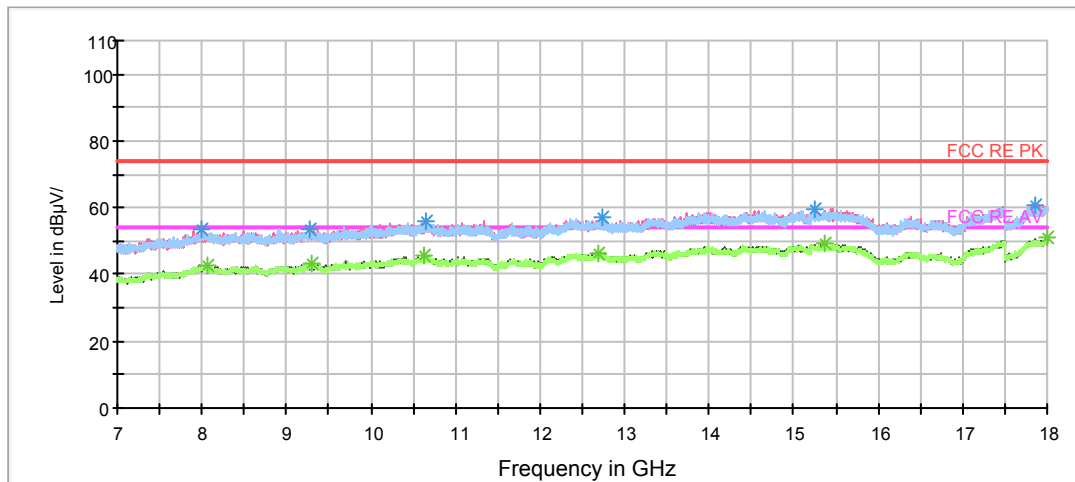
FCC RE 1G-18GHz PK+AV Class B



Note: The signal beyond the limit is carrier.

Radiates Emission from 3GHz to 7GHz

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



Radiates Emission from 7GHz to 18GHz

| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3173.500000 | 54.8 | 200.0 | V | 344.0 | 45.0 | 9.8 | 19.2 | 74 |
| 3582.500000 | 54.6 | 200.0 | V | 95.0 | 44.3 | 10.3 | 19.4 | 74 |
| 4383.500000 | 56.0 | 200.0 | V | 349.0 | 44.6 | 11.4 | 18.0 | 74 |
| 5861.500000 | 59.1 | 200.0 | H | 0.0 | 43.4 | 15.7 | 14.9 | 74 |
| 6388.000000 | 59.9 | 200.0 | H | 77.0 | 43.2 | 16.7 | 14.1 | 74 |
| 7992.750000 | 53.5 | 200.0 | V | 3.0 | 43.5 | 10.0 | 20.5 | 74 |

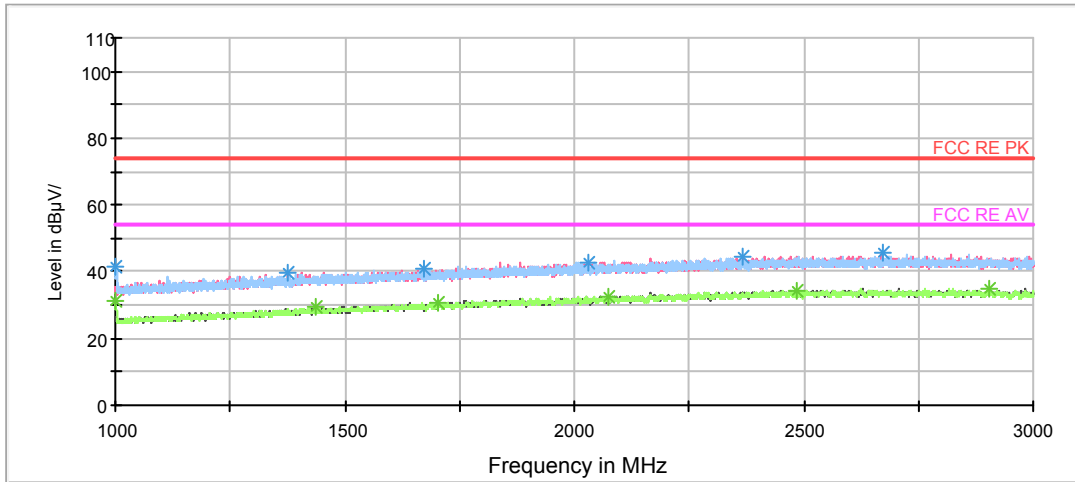
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3174.500000 | 44.4 | 200.0 | H | 23.0 | 34.6 | 9.8 | 9.6 | 54 |
| 3760.500000 | 43.9 | 200.0 | H | 5.0 | 33.5 | 10.4 | 10.1 | 54 |
| 4350.500000 | 44.3 | 200.0 | H | 189.0 | 32.9 | 11.4 | 9.7 | 54 |
| 5883.000000 | 48.7 | 200.0 | V | 248.0 | 33.0 | 15.7 | 5.3 | 54 |
| 6288.000000 | 49.0 | 200.0 | H | 176.0 | 32.9 | 16.1 | 5.0 | 54 |
| 8060.125000 | 42.6 | 100.0 | V | 102.0 | 32.8 | 9.8 | 11.4 | 54 |

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

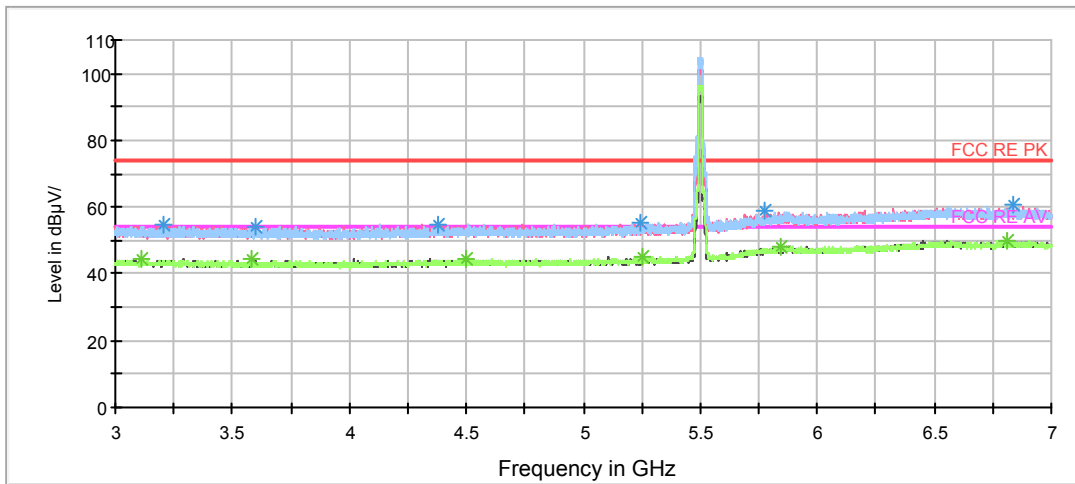
802.11a CH100

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



Radiates Emission from 1GHz to 3GHz

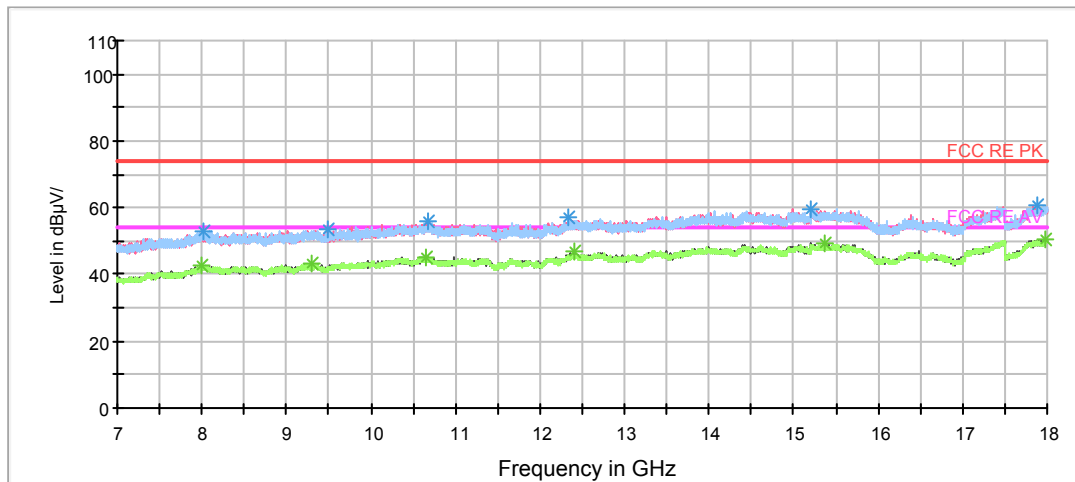
FCC RE 1G-18GHz PK+AV Class B



Note: The signal beyond the limit is carrier.

Radiates Emission from 3GHz to 7GHz

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



Radiates Emission from 7GHz to 18GHz

| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3201.500000 | 54.9 | 200.0 | H | 45.0 | 45.1 | 9.8 | 19.1 | 74 |
| 3600.000000 | 54.0 | 200.0 | V | 235.0 | 43.8 | 10.2 | 20.0 | 74 |
| 4377.500000 | 54.9 | 200.0 | V | 0.0 | 43.6 | 11.3 | 19.1 | 74 |
| 5244.000000 | 55.2 | 200.0 | H | 0.0 | 43.2 | 12.0 | 18.8 | 74 |
| 6840.500000 | 60.9 | 200.0 | H | 305.0 | 43.6 | 17.3 | 13.1 | 74 |
| 5776.500000 | 58.7 | 200.0 | H | 68.0 | 43.6 | 15.1 | 15.3 | 74 |

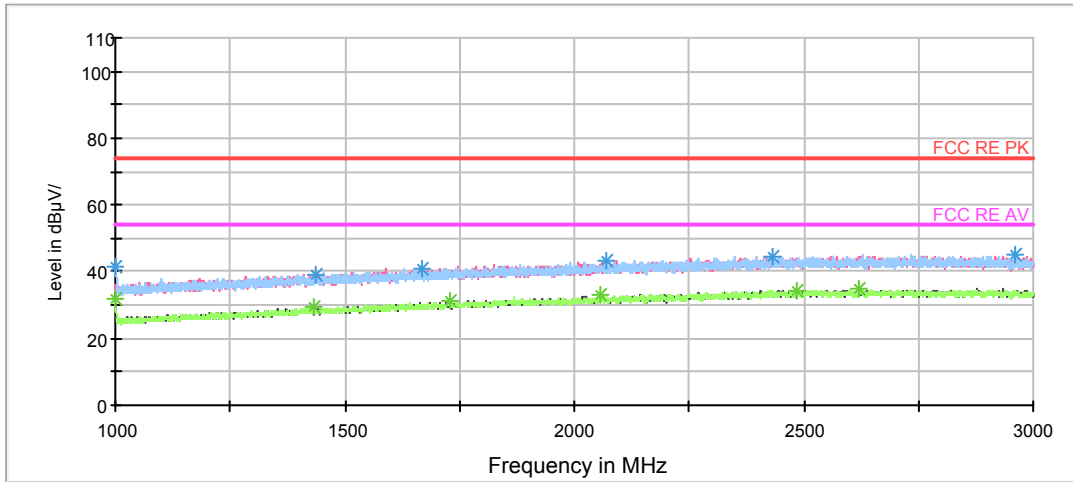
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3107.500000 | 44.3 | 200.0 | H | 237.0 | 34.6 | 9.7 | 9.7 | 54 |
| 3586.000000 | 44.7 | 200.0 | H | 19.0 | 34.4 | 10.3 | 9.3 | 54 |
| 4502.000000 | 44.7 | 200.0 | V | 344.0 | 33.1 | 11.6 | 9.3 | 54 |
| 5251.000000 | 44.8 | 200.0 | H | 13.0 | 32.7 | 12.1 | 9.2 | 54 |
| 6810.500000 | 49.9 | 200.0 | V | 329.0 | 32.6 | 17.3 | 4.1 | 54 |
| 5845.000000 | 48.4 | 200.0 | V | 198.0 | 32.9 | 15.5 | 5.6 | 54 |

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

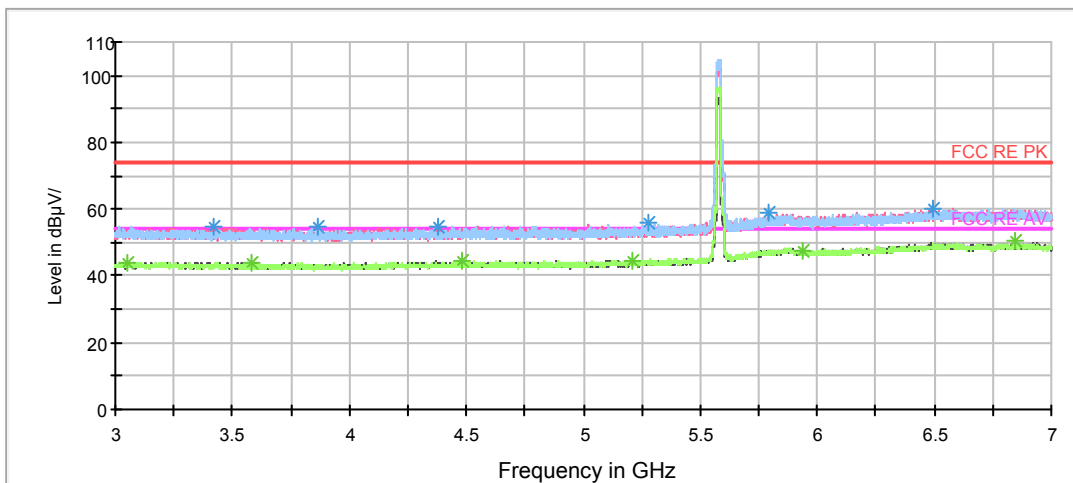
802.11a CH116

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



Radiates Emission from 1GHz to 3GHz

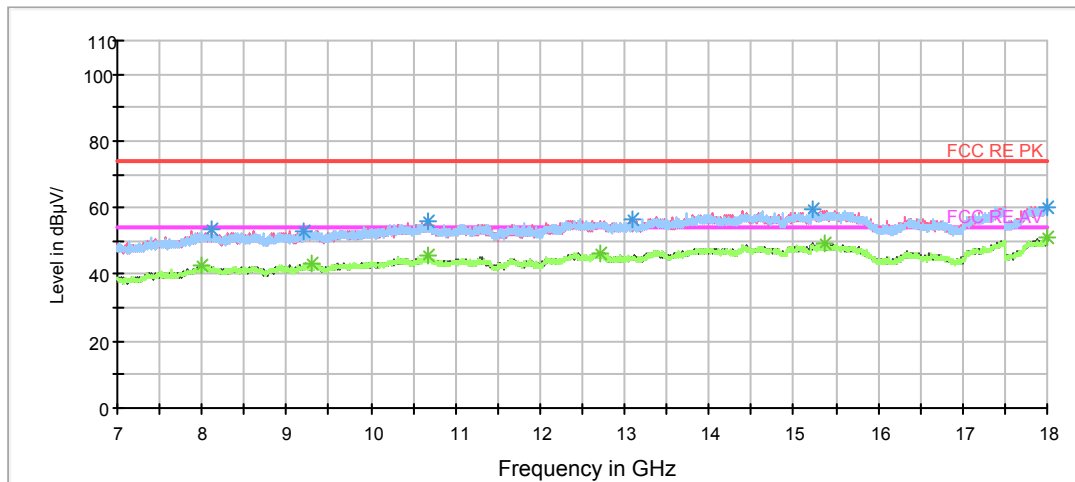
FCC RE 1G-18GHz PK+AV Class B



Note: The signal beyond the limit is carrier.

Radiates Emission from 3GHz to 7GHz

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



Radiates Emission from 7GHz to 18GHz

| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3418.500000 | 55.0 | 200.0 | V | 357.0 | 45.1 | 9.9 | 19.0 | 74 |
| 3868.500000 | 54.6 | 200.0 | H | 0.0 | 44.1 | 10.5 | 19.4 | 74 |
| 4381.500000 | 54.8 | 200.0 | V | 210.0 | 43.4 | 11.4 | 19.2 | 74 |
| 5275.000000 | 55.8 | 200.0 | H | 278.0 | 43.7 | 12.1 | 18.2 | 74 |
| 5791.500000 | 59.0 | 200.0 | V | 134.0 | 43.8 | 15.2 | 15.0 | 74 |
| 8108.250000 | 53.2 | 100.0 | V | 236.0 | 43.3 | 9.9 | 20.8 | 74 |

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

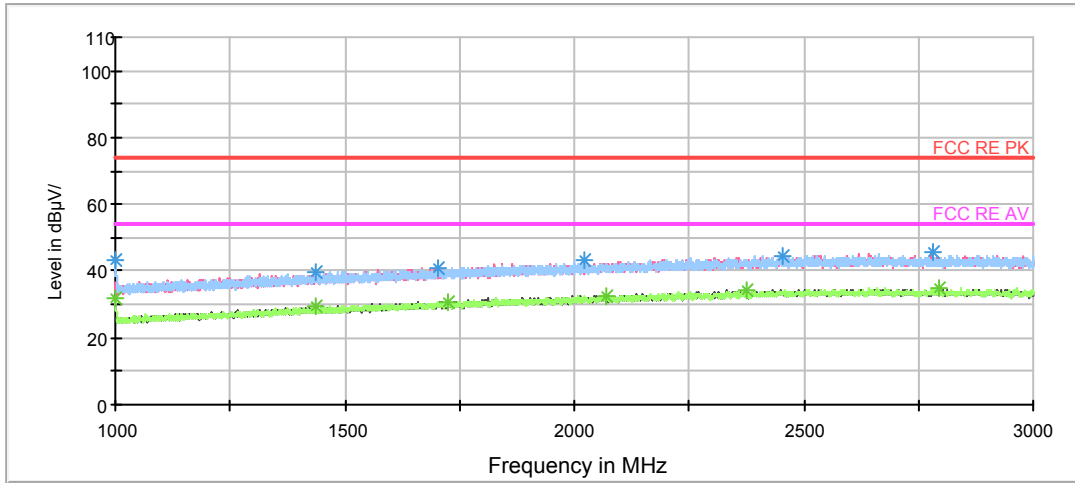
| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3049.000000 | 44.0 | 200.0 | H | 3.0 | 34.4 | 9.6 | 10.0 | 54 |
| 3581.500000 | 43.9 | 200.0 | H | 251.0 | 33.6 | 10.3 | 10.1 | 54 |
| 4483.500000 | 44.5 | 200.0 | V | 94.0 | 32.9 | 11.6 | 9.5 | 54 |
| 5209.500000 | 44.7 | 200.0 | H | 0.0 | 32.6 | 12.1 | 9.3 | 54 |
| 5939.000000 | 47.6 | 200.0 | V | 248.0 | 32.3 | 15.3 | 6.4 | 54 |
| 8003.750000 | 42.8 | 200.0 | H | 101.0 | 32.8 | 10.0 | 11.2 | 54 |

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



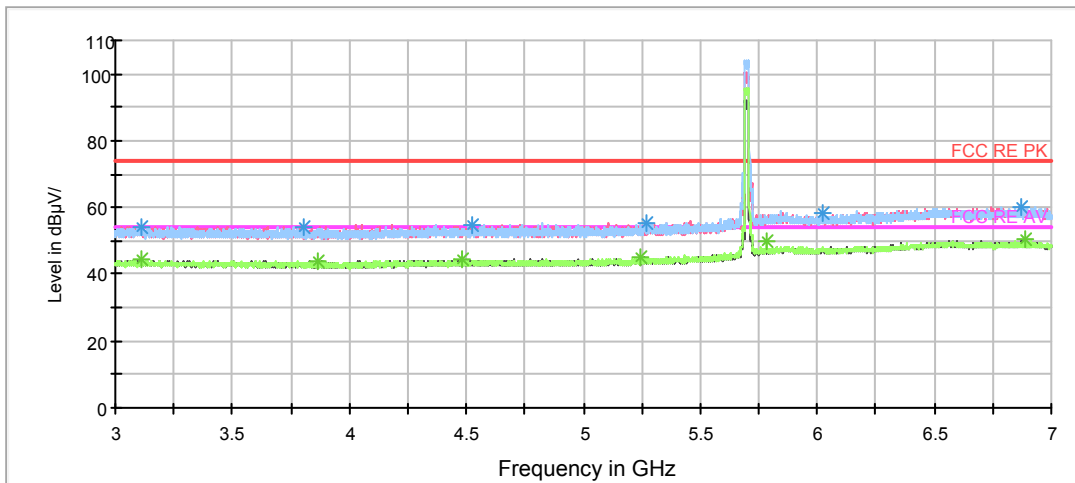
802.11a CH140

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



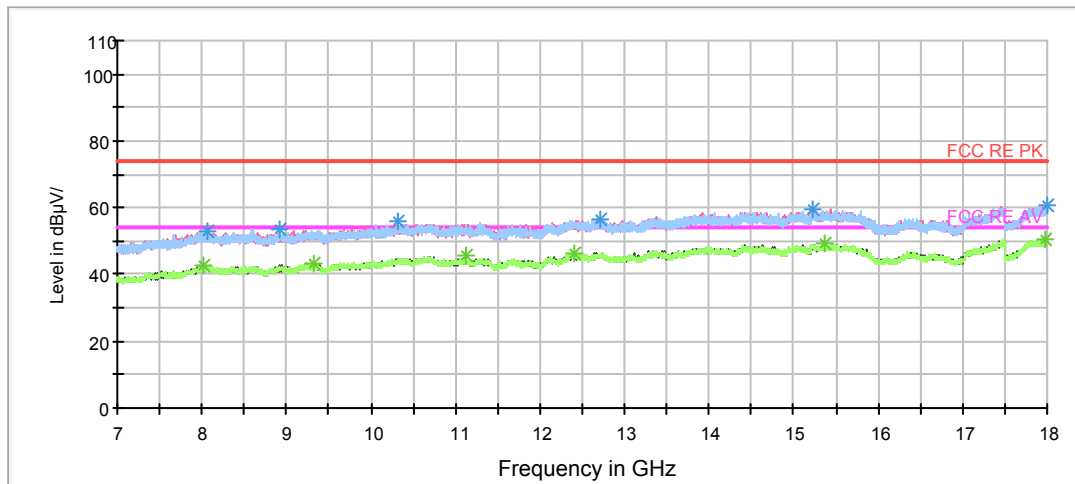
Radiates Emission from 1GHz to 3GHz

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



Note: The signal beyond the limit is carrier.
Radiates Emission from 3GHz to 7GHz

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



Radiates Emission from 7GHz to 18GHz

| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3109.000000 | 54.2 | 200.0 | V | 321.0 | 44.5 | 9.7 | 19.8 | 74 |
| 3808.500000 | 54.3 | 200.0 | H | 124.0 | 44.1 | 10.2 | 19.7 | 74 |
| 4525.500000 | 54.9 | 200.0 | H | 4.0 | 43.3 | 11.6 | 19.1 | 74 |
| 5268.500000 | 55.4 | 200.0 | V | 321.0 | 43.2 | 12.2 | 18.6 | 74 |
| 6019.500000 | 58.5 | 200.0 | H | 7.0 | 43.1 | 15.4 | 15.5 | 74 |
| 8064.250000 | 52.9 | 200.0 | H | 290.0 | 43.1 | 9.8 | 21.1 | 74 |

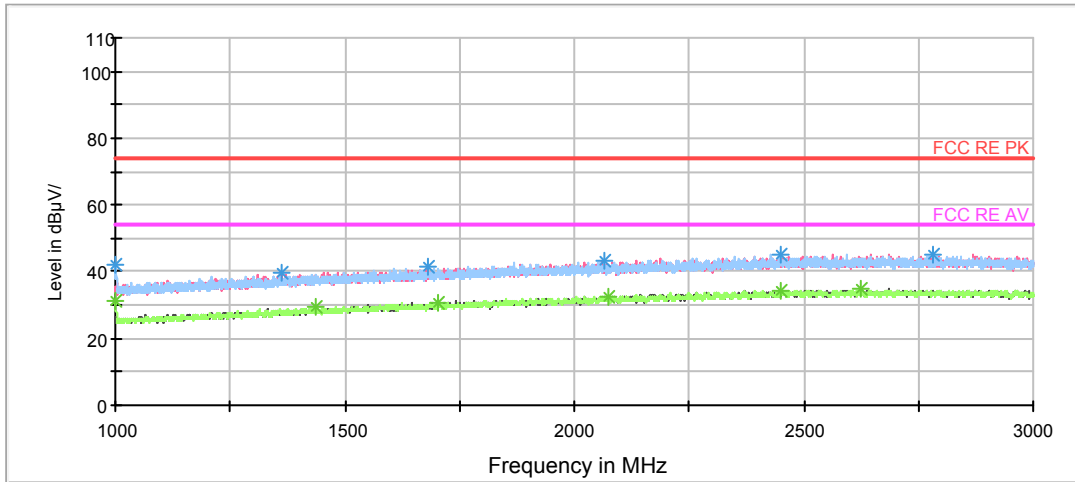
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3107.500000 | 44.2 | 200.0 | V | 349.0 | 34.5 | 9.7 | 9.8 | 54 |
| 3862.000000 | 44.0 | 200.0 | H | 148.0 | 33.6 | 10.4 | 10.0 | 54 |
| 4479.000000 | 44.7 | 200.0 | V | 359.0 | 33.1 | 11.6 | 9.3 | 54 |
| 5247.500000 | 45.1 | 200.0 | V | 3.0 | 33.1 | 12.0 | 8.9 | 54 |
| 5783.500000 | 49.8 | 200.0 | H | 307.0 | 34.6 | 15.2 | 4.2 | 54 |
| 8018.875000 | 42.5 | 100.0 | V | 237.0 | 32.6 | 9.9 | 11.5 | 54 |

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

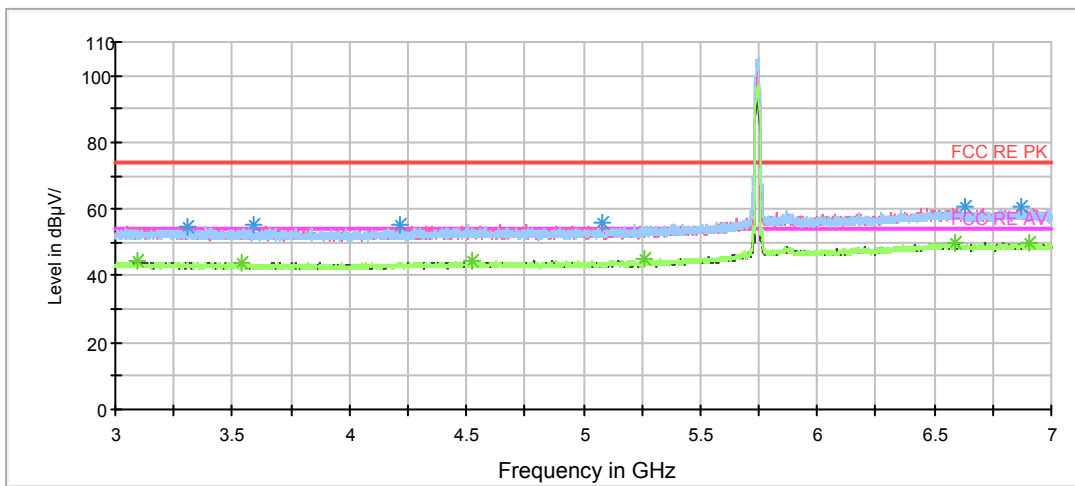
802.11a CH149

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



Radiates Emission from 1GHz to 3GHz

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

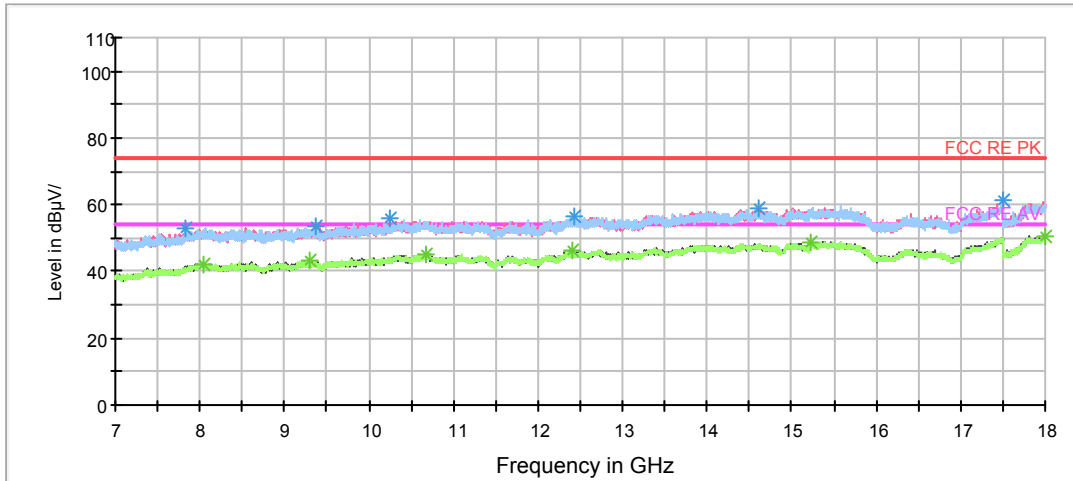


Note: The signal beyond the limit is carrier.

Radiates Emission from 3GHz to 7GHz



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



Radiates Emission from 7GHz to 18GHz

| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3312.500000 | 54.6 | 200.0 | H | 16.0 | 44.7 | 9.9 | 19.4 | 74 |
| 3591.500000 | 55.3 | 200.0 | H | 5.0 | 45.0 | 10.3 | 18.7 | 74 |
| 4214.500000 | 55.3 | 200.0 | V | 344.0 | 44.1 | 11.2 | 18.7 | 74 |
| 5079.000000 | 55.6 | 200.0 | V | 0.0 | 43.9 | 11.7 | 18.4 | 74 |
| 6628.000000 | 60.5 | 200.0 | V | 247.0 | 43.3 | 17.2 | 13.5 | 74 |
| 6873.500000 | 60.5 | 200.0 | V | 355.0 | 43.2 | 17.3 | 13.5 | 74 |

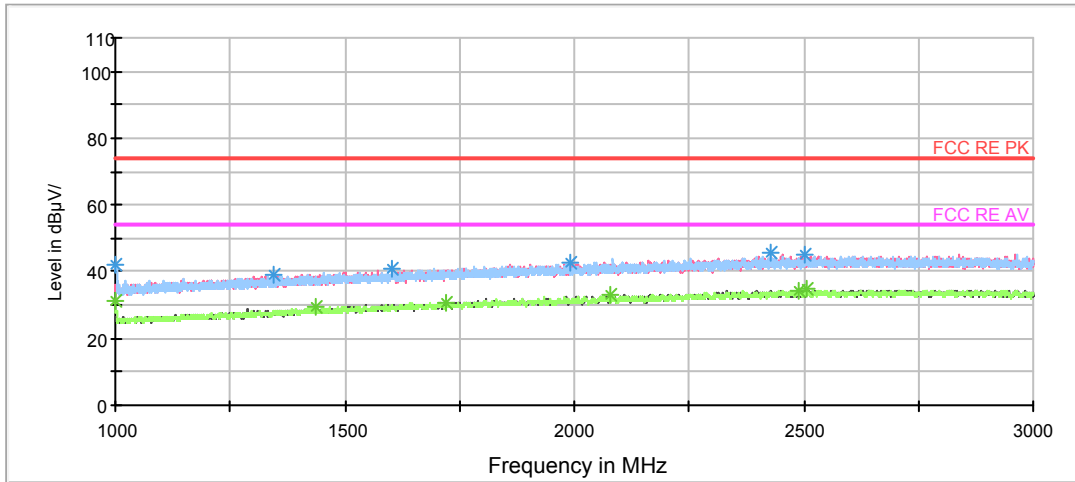
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3098.500000 | 44.2 | 200.0 | H | 22.0 | 34.5 | 9.7 | 9.8 | 54 |
| 3541.000000 | 44.2 | 200.0 | H | 16.0 | 34.1 | 10.1 | 9.8 | 54 |
| 4528.000000 | 44.2 | 200.0 | H | 100.0 | 32.5 | 11.7 | 9.8 | 54 |
| 5258.000000 | 44.9 | 200.0 | V | 235.0 | 32.8 | 12.1 | 9.1 | 54 |
| 6587.500000 | 49.9 | 200.0 | H | 5.0 | 32.4 | 17.5 | 4.1 | 54 |
| 6907.500000 | 49.8 | 200.0 | V | 108.0 | 32.5 | 17.3 | 4.2 | 54 |

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

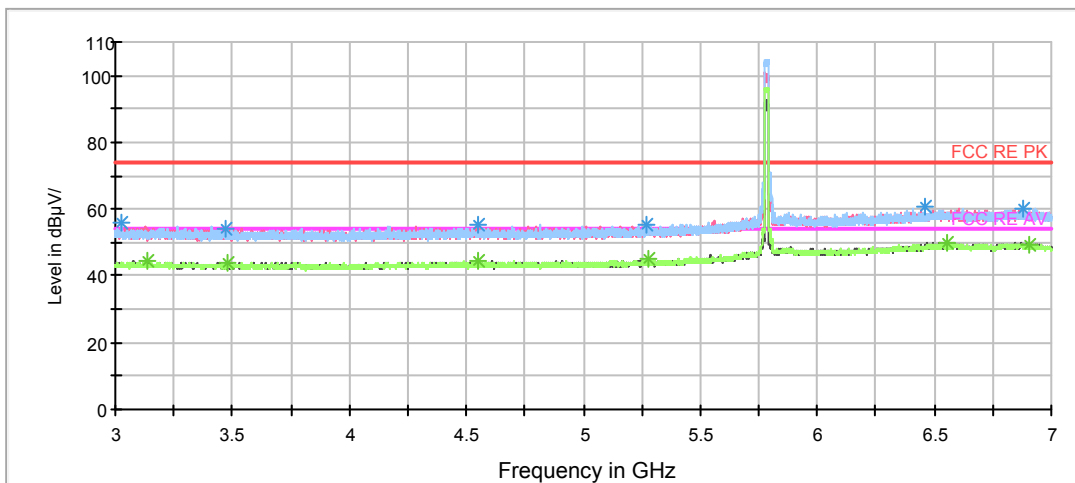
802.11a CH157

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



Radiates Emission from 1GHz to 3GHz

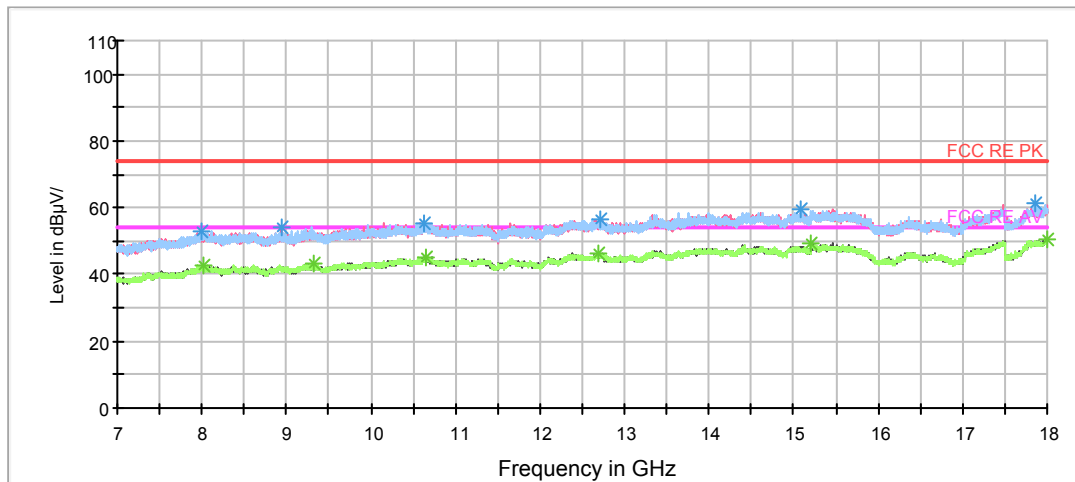
FCC RE 1G-18GHz PK+AV Class B



Note: The signal beyond the limit is carrier.

Radiates Emission from 3GHz to 7GHz

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



Radiates Emission from 7GHz to 18GHz

| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3028.000000 | 55.6 | 200.0 | H | 108.0 | 45.9 | 9.7 | 18.4 | 74 |
| 3468.000000 | 54.0 | 200.0 | V | 173.0 | 44.0 | 10.0 | 20.0 | 74 |
| 4547.500000 | 55.4 | 200.0 | H | 132.0 | 43.8 | 11.6 | 18.6 | 74 |
| 5267.500000 | 55.1 | 200.0 | H | 59.0 | 42.9 | 12.2 | 18.9 | 74 |
| 6464.000000 | 60.4 | 200.0 | V | 338.0 | 43.5 | 16.9 | 13.6 | 74 |
| 6878.500000 | 60.3 | 200.0 | H | 9.0 | 43.0 | 17.3 | 13.7 | 74 |

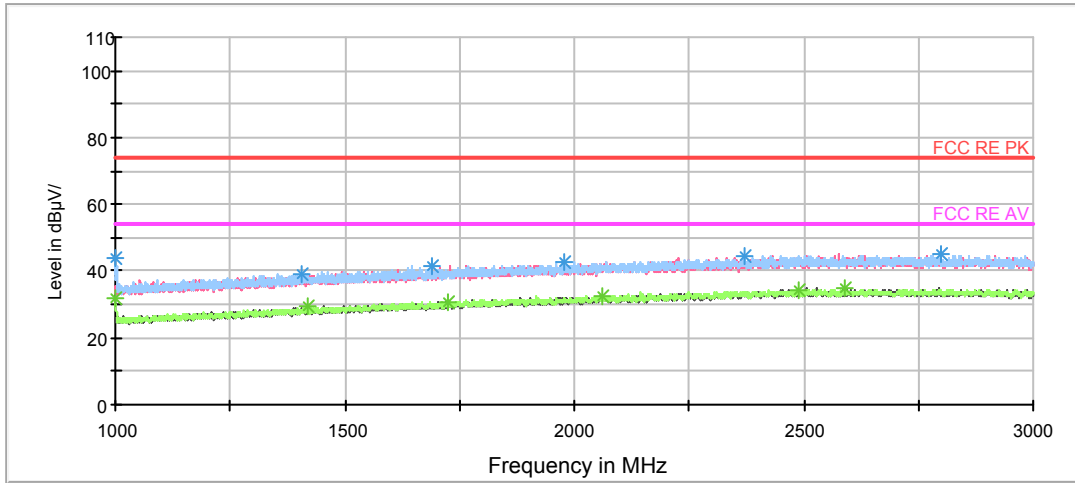
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3133.000000 | 44.3 | 200.0 | H | 108.0 | 34.6 | 9.7 | 9.7 | 54 |
| 3477.000000 | 44.1 | 200.0 | H | 120.0 | 34.0 | 10.1 | 9.9 | 54 |
| 4548.000000 | 44.3 | 200.0 | H | 0.0 | 32.7 | 11.6 | 9.7 | 54 |
| 5276.500000 | 44.8 | 200.0 | H | 0.0 | 32.7 | 12.1 | 9.2 | 54 |
| 6555.500000 | 50.0 | 200.0 | V | 123.0 | 32.7 | 17.3 | 4.0 | 54 |
| 6905.500000 | 49.5 | 200.0 | H | 120.0 | 32.2 | 17.3 | 4.5 | 54 |

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

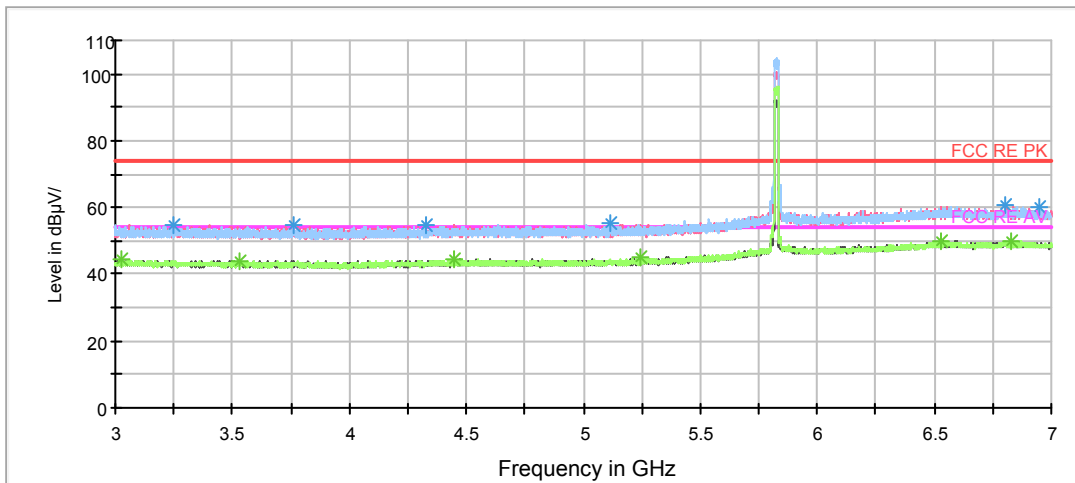
802.11a CH165

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



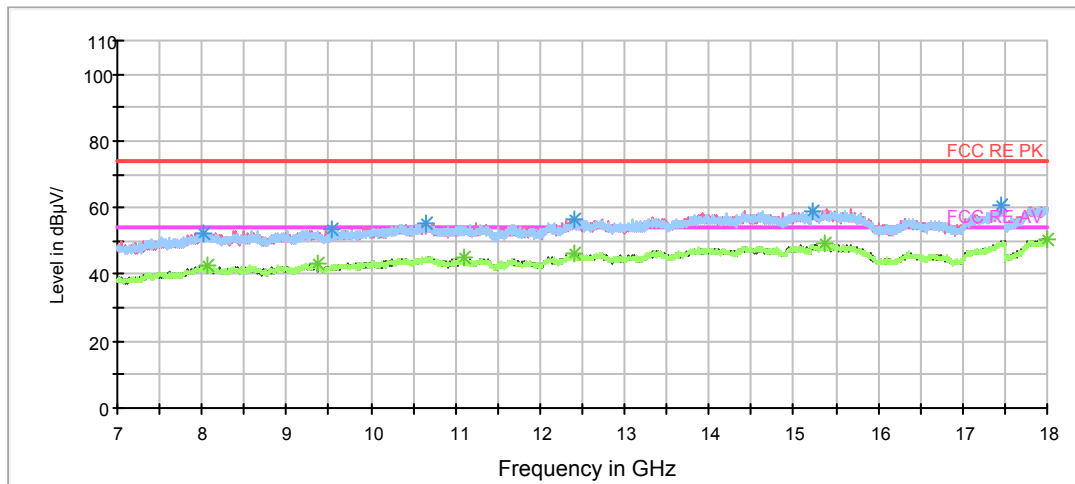
Radiates Emission from 1GHz to 3GHz

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



Note: The signal beyond the limit is carrier.
Radiates Emission from 3GHz to 7GHz

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



Radiates Emission from 7GHz to 18GHz

| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3246.000000 | 54.8 | 200.0 | V | 359.0 | 45.0 | 9.8 | 19.2 | 74 |
| 3762.500000 | 54.9 | 200.0 | H | 1.0 | 44.5 | 10.4 | 19.1 | 74 |
| 4330.000000 | 54.5 | 200.0 | V | 297.0 | 43.2 | 11.3 | 19.5 | 74 |
| 5115.000000 | 55.2 | 200.0 | V | 330.0 | 43.3 | 11.9 | 18.8 | 74 |
| 6802.500000 | 60.6 | 200.0 | V | 297.0 | 43.2 | 17.4 | 13.4 | 74 |
| 6944.500000 | 59.9 | 200.0 | H | 136.0 | 42.8 | 17.1 | 14.1 | 74 |

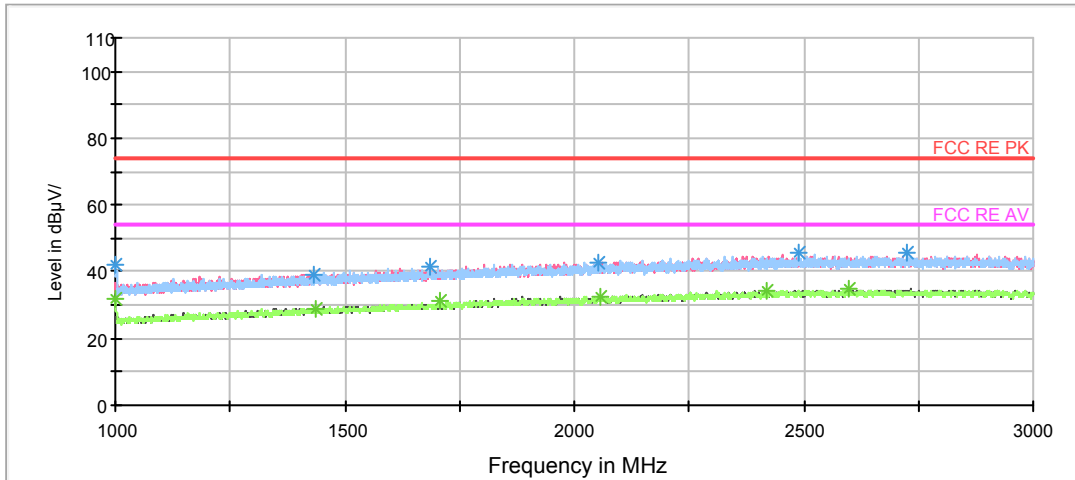
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3021.500000 | 44.4 | 200.0 | H | 186.0 | 34.7 | 9.7 | 9.6 | 54 |
| 3533.000000 | 44.1 | 200.0 | V | 0.0 | 34.0 | 10.1 | 9.9 | 54 |
| 4447.000000 | 44.6 | 200.0 | V | 0.0 | 33.0 | 11.6 | 9.4 | 54 |
| 5248.000000 | 44.8 | 200.0 | H | 0.0 | 32.8 | 12.0 | 9.2 | 54 |
| 6532.500000 | 49.9 | 200.0 | V | 172.0 | 32.6 | 17.3 | 4.1 | 54 |
| 6826.000000 | 49.8 | 200.0 | V | 349.0 | 32.5 | 17.3 | 4.2 | 54 |

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

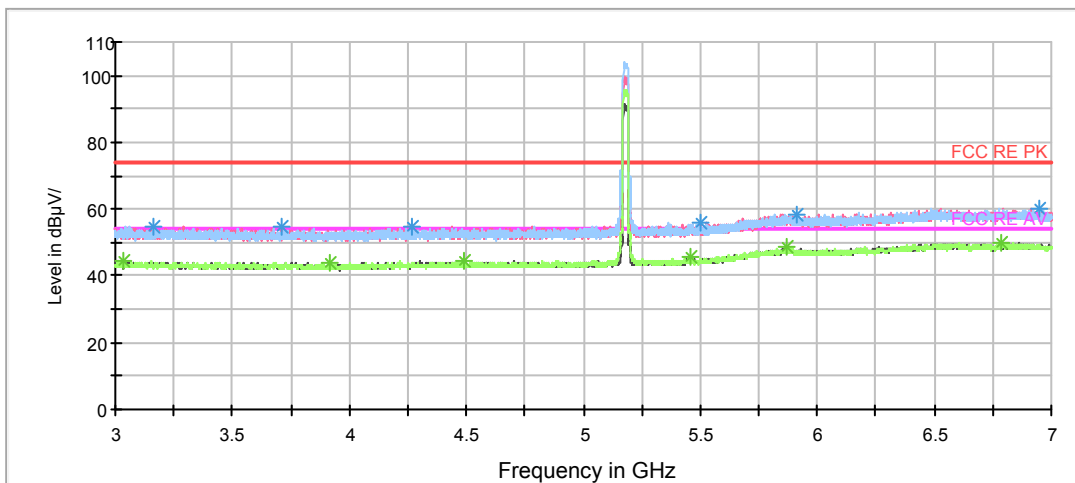
802.11n (HT20) CH36

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



Radiates Emission from 1GHz to 3GHz

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

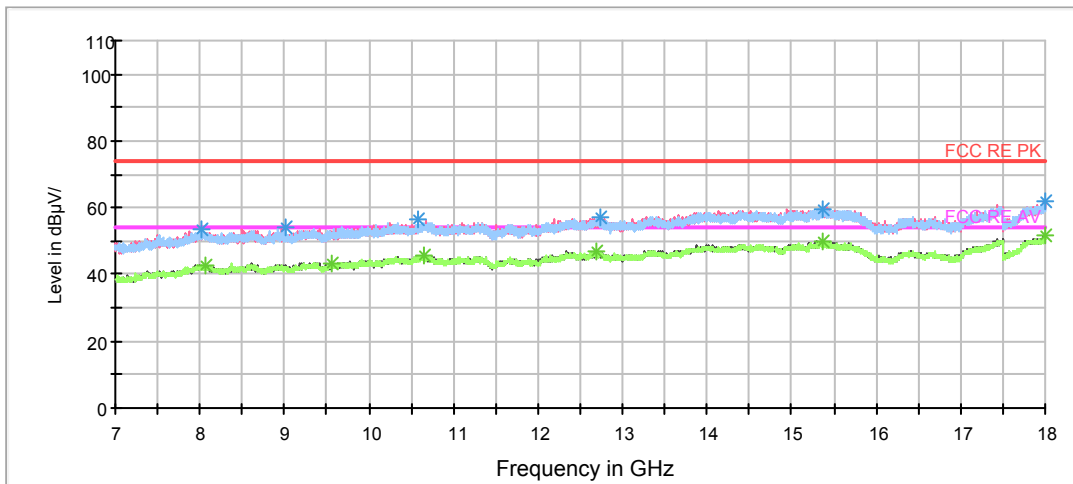


Note: The signal beyond the limit is carrier.

Radiates Emission from 3GHz to 7GHz



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



Radiates Emission from 7GHz to 18GHz

| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3165.000000 | 54.9 | 200.0 | H | 321.0 | 45.1 | 9.8 | 19.1 | 74 |
| 3712.500000 | 54.8 | 200.0 | V | 358.0 | 44.6 | 10.2 | 19.2 | 74 |
| 4271.000000 | 54.5 | 200.0 | H | 70.0 | 43.2 | 11.3 | 19.5 | 74 |
| 5500.500000 | 56.0 | 200.0 | V | 358.0 | 43.3 | 12.7 | 18.0 | 74 |
| 5913.500000 | 58.5 | 200.0 | H | 0.0 | 43.1 | 15.4 | 15.5 | 74 |
| 6952.500000 | 60.2 | 200.0 | H | 119.0 | 43.1 | 17.1 | 13.8 | 74 |

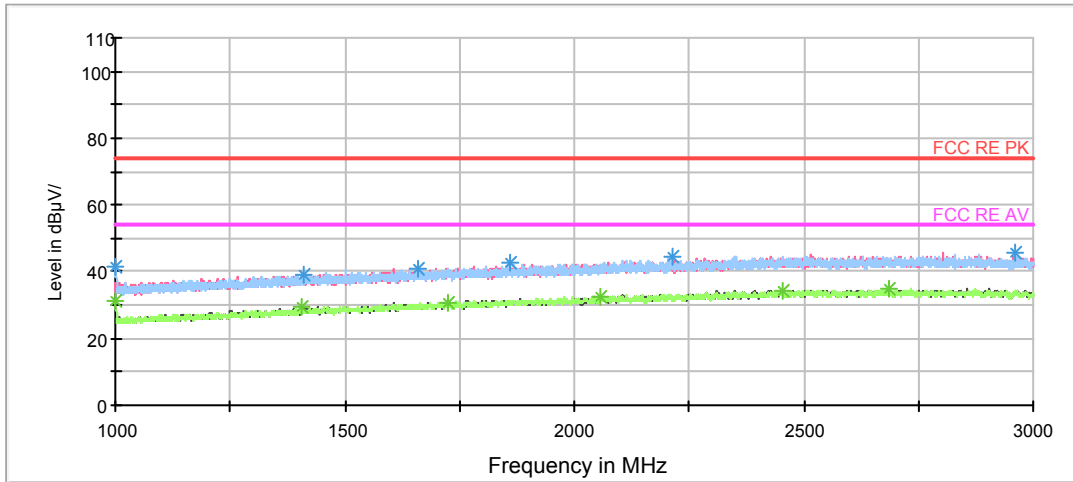
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3032.500000 | 44.2 | 200.0 | V | 273.0 | 34.6 | 9.6 | 9.8 | 54 |
| 3915.000000 | 44.0 | 200.0 | V | 290.0 | 33.5 | 10.5 | 10.0 | 54 |
| 4487.000000 | 44.8 | 200.0 | H | 2.0 | 33.2 | 11.6 | 9.2 | 54 |
| 5454.000000 | 45.6 | 200.0 | H | 2.0 | 33.0 | 12.6 | 8.4 | 54 |
| 5870.000000 | 48.4 | 200.0 | H | 220.0 | 32.6 | 15.8 | 5.6 | 54 |
| 6787.500000 | 49.9 | 200.0 | V | 341.0 | 32.5 | 17.4 | 4.1 | 54 |

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

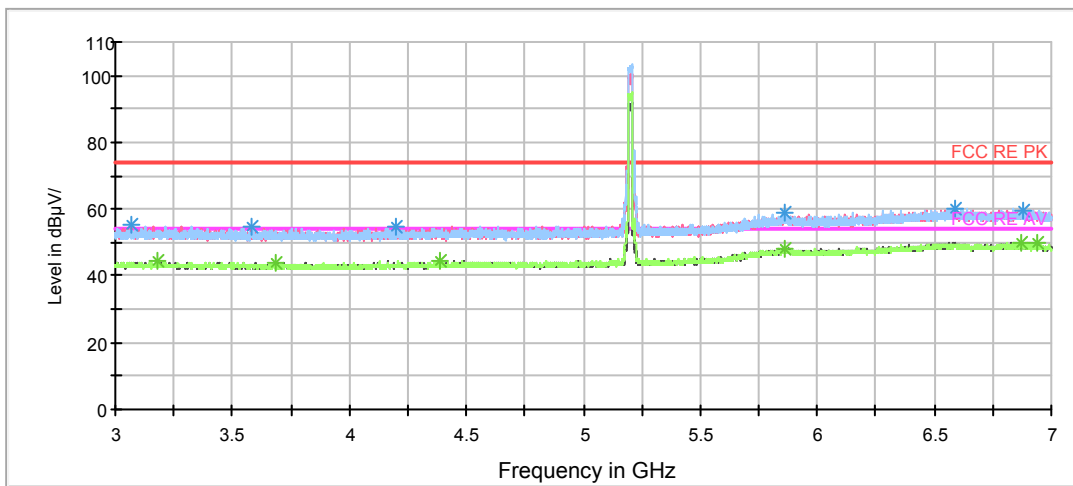
802.11n (HT20) CH40

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



Radiates Emission from 1GHz to 3GHz

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

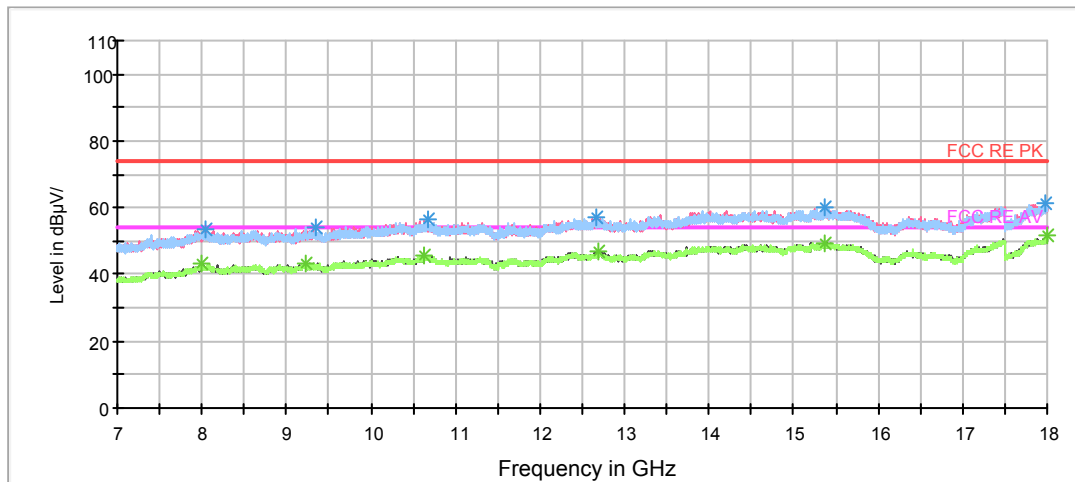


Note: The signal beyond the limit is carrier.

Radiates Emission from 3GHz to 7GHz



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



Radiates Emission from 7GHz to 18GHz

| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3069.000000 | 55.2 | 200.0 | V | 259.0 | 45.5 | 9.7 | 18.8 | 74 |
| 3581.000000 | 54.8 | 200.0 | V | 320.0 | 44.5 | 10.3 | 19.2 | 74 |
| 4197.000000 | 54.7 | 200.0 | H | 39.0 | 43.6 | 11.1 | 19.3 | 74 |
| 5857.000000 | 59.1 | 200.0 | H | 137.0 | 43.5 | 15.6 | 14.9 | 74 |
| 6592.500000 | 60.4 | 200.0 | V | 186.0 | 43.0 | 17.4 | 13.6 | 74 |
| 6881.500000 | 59.8 | 200.0 | V | 235.0 | 42.5 | 17.3 | 14.2 | 74 |

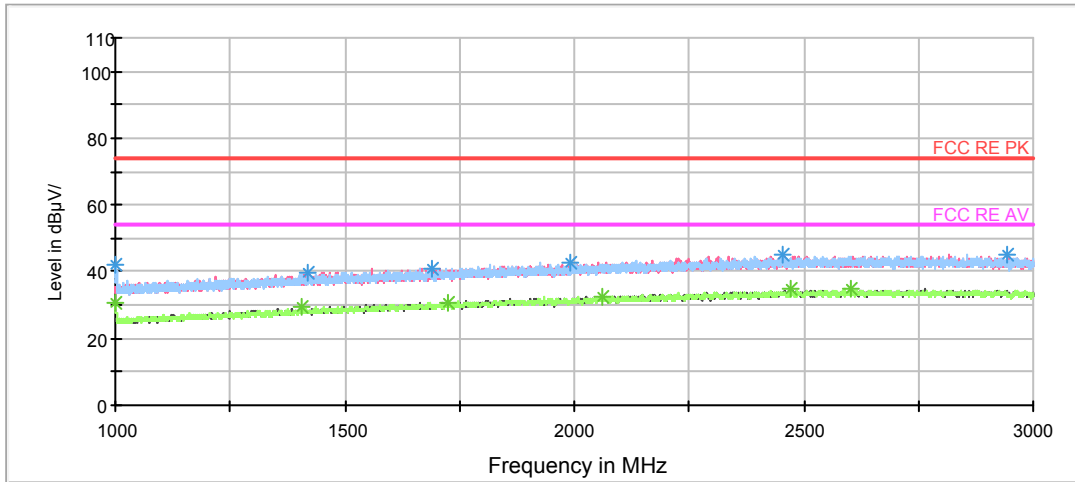
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3176.500000 | 44.5 | 200.0 | V | 338.0 | 34.7 | 9.8 | 9.5 | 54 |
| 3683.500000 | 44.1 | 200.0 | H | 29.0 | 33.8 | 10.3 | 9.9 | 54 |
| 4385.000000 | 44.4 | 200.0 | V | 359.0 | 33.0 | 11.4 | 9.6 | 54 |
| 5863.000000 | 48.4 | 200.0 | V | 0.0 | 32.7 | 15.7 | 5.6 | 54 |
| 6874.500000 | 49.9 | 200.0 | H | 0.0 | 32.6 | 17.3 | 4.1 | 54 |
| 6943.000000 | 49.7 | 200.0 | V | 355.0 | 32.6 | 17.1 | 4.3 | 54 |

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

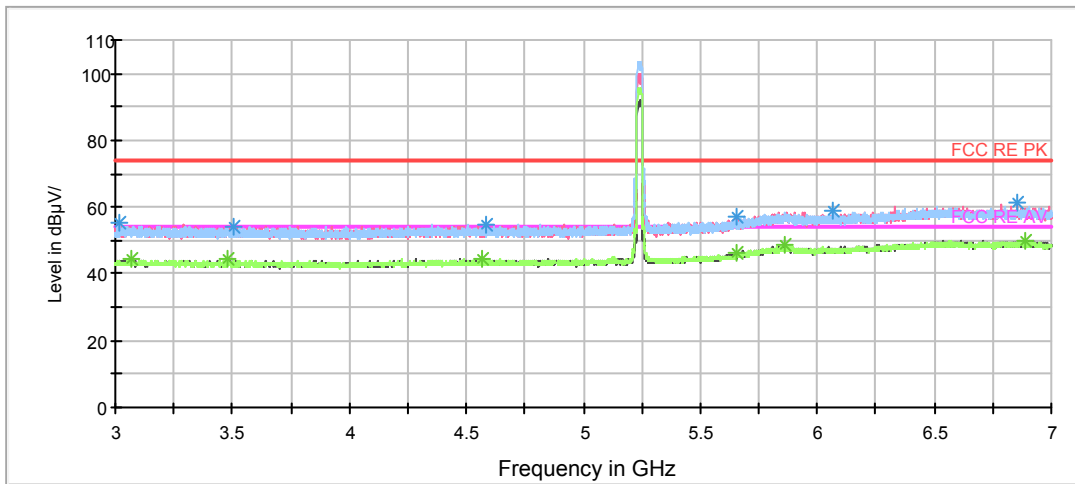
802.11n (HT20) CH48

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



Radiates Emission from 1GHz to 3GHz

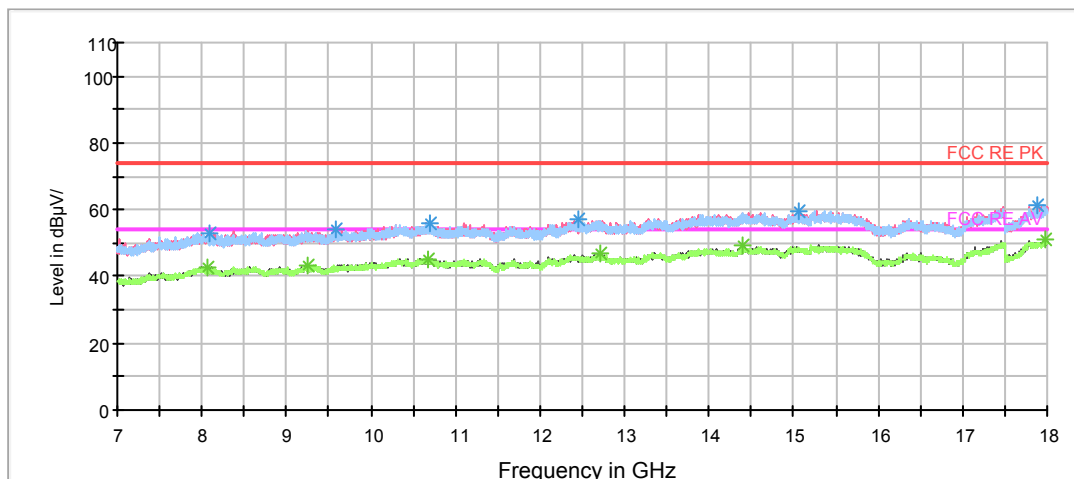
FCC RE 1G-18GHz PK+AV Class B



Note: The signal beyond the limit is carrier.

Radiates Emission from 3GHz to 7GHz

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



Radiates Emission from 7GHz to 18GHz

| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3016.500000 | 55.2 | 200.0 | H | 8.0 | 45.5 | 9.7 | 18.8 | 74 |
| 3508.000000 | 54.3 | 200.0 | V | 356.0 | 44.2 | 10.1 | 19.7 | 74 |
| 4581.500000 | 54.8 | 200.0 | V | 338.0 | 43.2 | 11.6 | 19.2 | 74 |
| 5658.500000 | 57.2 | 200.0 | V | 350.0 | 43.4 | 13.8 | 16.8 | 74 |
| 6067.500000 | 58.7 | 200.0 | H | 13.0 | 43.5 | 15.2 | 15.3 | 74 |
| 6855.500000 | 61.5 | 200.0 | V | 345.0 | 44.2 | 17.3 | 12.5 | 74 |

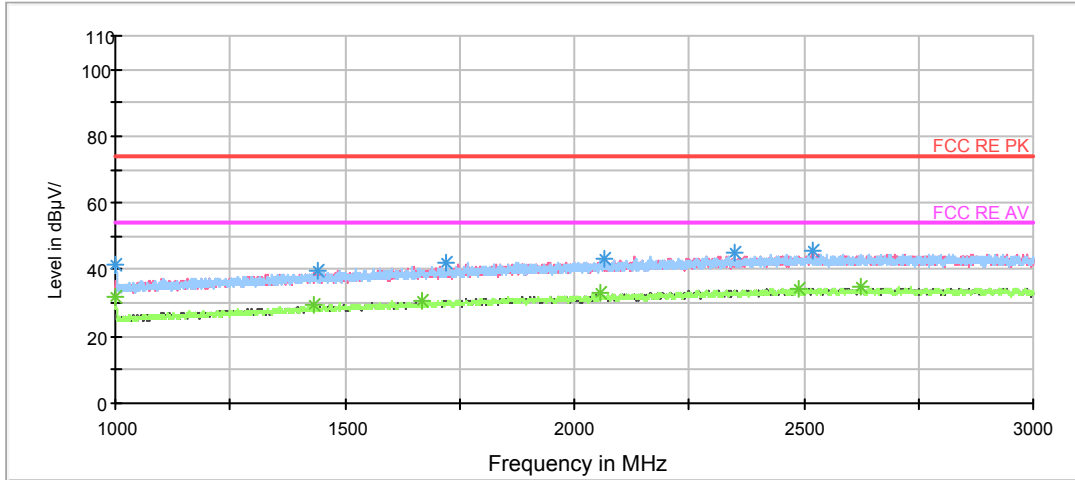
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3066.500000 | 44.3 | 200.0 | V | 111.0 | 34.6 | 9.7 | 9.7 | 54 |
| 3480.000000 | 44.3 | 200.0 | H | 223.0 | 34.2 | 10.1 | 9.7 | 54 |
| 4566.500000 | 44.4 | 200.0 | V | 353.0 | 32.8 | 11.6 | 9.6 | 54 |
| 5655.000000 | 46.5 | 200.0 | V | 356.0 | 32.7 | 13.8 | 7.5 | 54 |
| 5865.000000 | 48.4 | 200.0 | H | 13.0 | 32.7 | 15.7 | 5.6 | 54 |
| 6885.000000 | 49.8 | 200.0 | H | 6.0 | 32.5 | 17.3 | 4.2 | 54 |

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

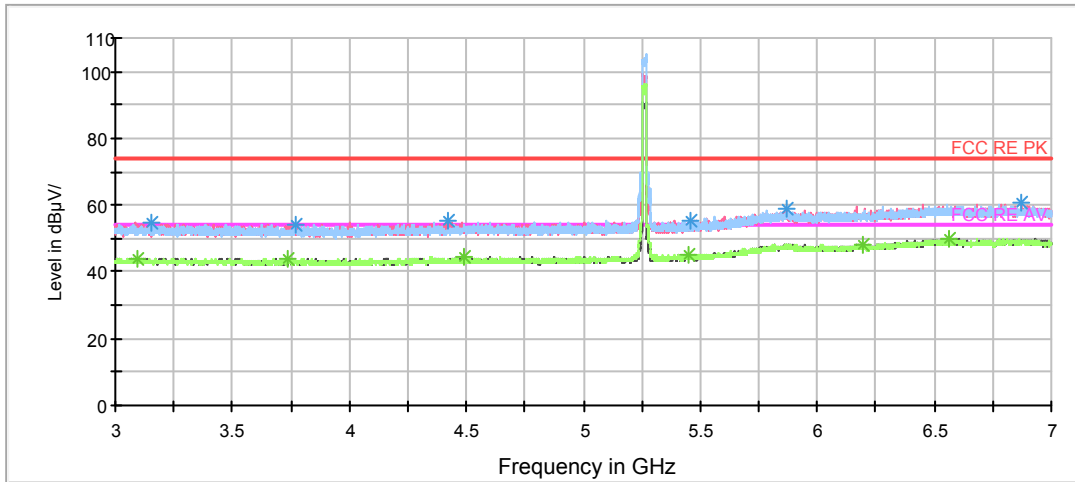
802.11n (HT20) CH52

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



Radiates Emission from 1GHz to 3GHz

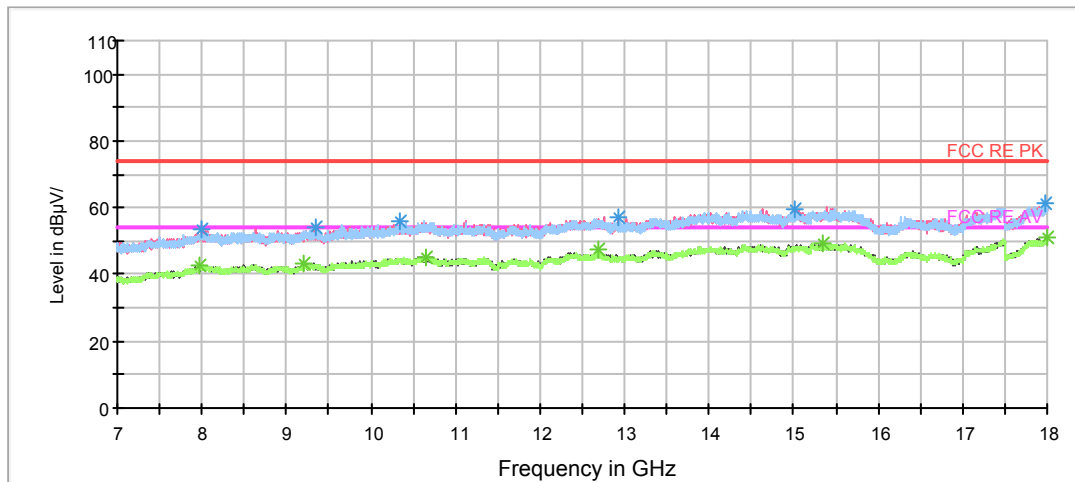
FCC RE 1G-18GHz PK+AV Class B



Note: The signal beyond the limit is carrier.

Radiates Emission from 3GHz to 7GHz

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



Radiates Emission from 7GHz to 18GHz

| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3150.500000 | 54.8 | 200.0 | H | 10.0 | 45.1 | 9.7 | 19.2 | 74 |
| 3768.000000 | 54.4 | 200.0 | H | 1.0 | 43.9 | 10.5 | 19.6 | 74 |
| 4418.000000 | 55.1 | 200.0 | V | 256.0 | 43.7 | 11.4 | 18.9 | 74 |
| 5457.500000 | 55.3 | 200.0 | H | 290.0 | 42.7 | 12.6 | 18.7 | 74 |
| 5867.000000 | 58.6 | 200.0 | V | 336.0 | 42.8 | 15.8 | 15.4 | 74 |
| 6874.000000 | 60.5 | 200.0 | V | 344.0 | 43.2 | 17.3 | 13.5 | 74 |

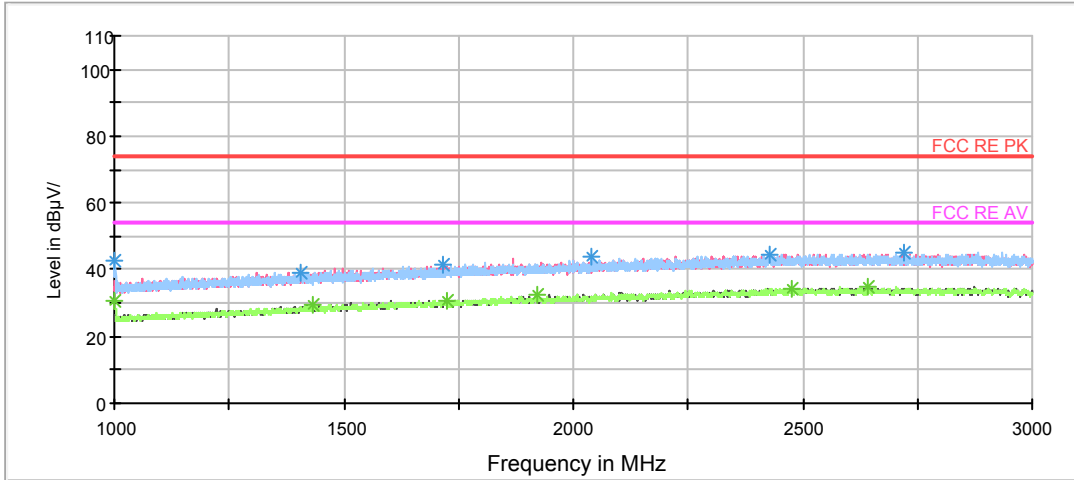
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3091.000000 | 44.1 | 200.0 | V | 359.0 | 34.5 | 9.6 | 9.9 | 54 |
| 3734.000000 | 44.1 | 200.0 | H | 94.0 | 33.7 | 10.4 | 9.9 | 54 |
| 4487.500000 | 44.4 | 200.0 | V | 0.0 | 32.8 | 11.6 | 9.6 | 54 |
| 5453.000000 | 45.1 | 200.0 | V | 0.0 | 32.5 | 12.6 | 8.9 | 54 |
| 6192.500000 | 48.1 | 200.0 | V | 349.0 | 32.2 | 15.9 | 5.9 | 54 |
| 6561.000000 | 49.9 | 200.0 | V | 0.0 | 32.6 | 17.3 | 4.1 | 54 |

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

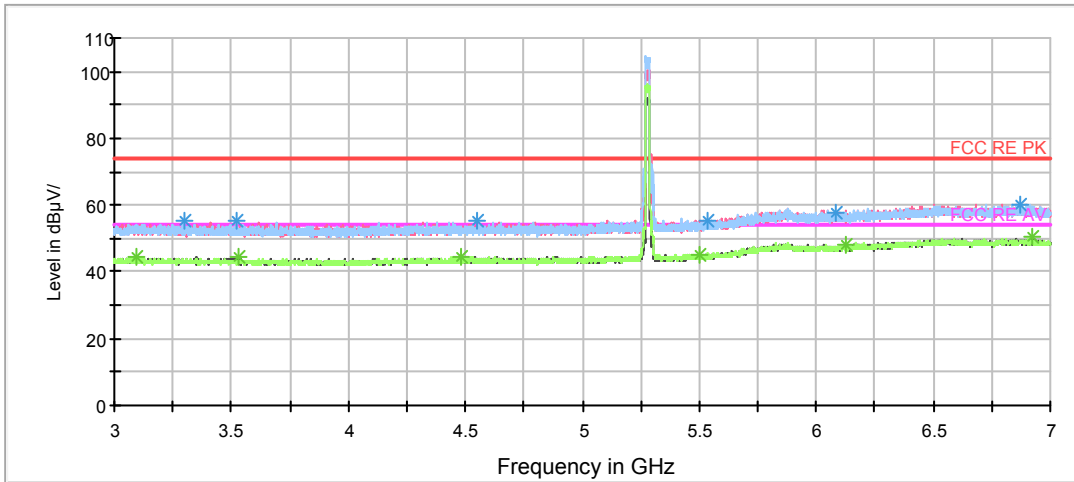
802.11n (HT20) CH56

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



Radiates Emission from 1GHz to 3GHz

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

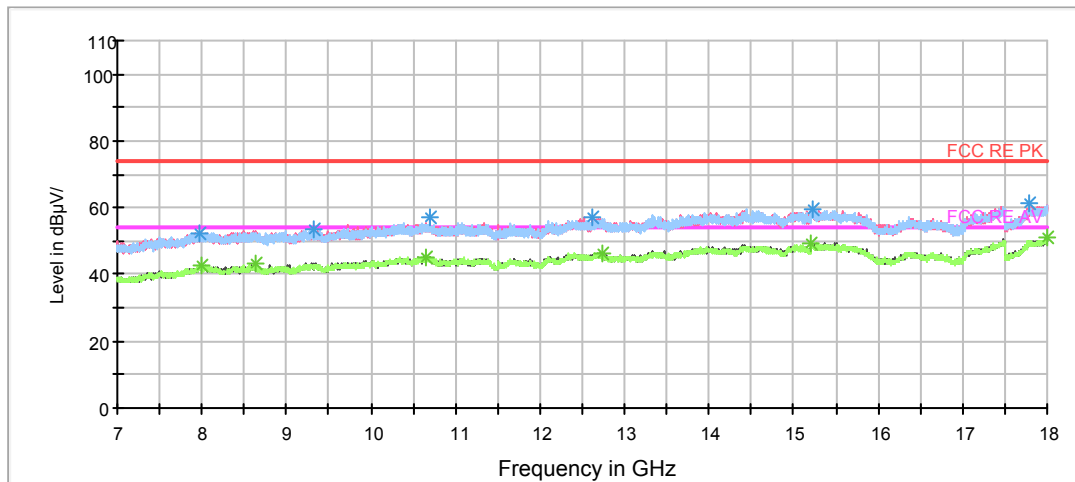


Note: The signal beyond the limit is carrier.

Radiates Emission from 3GHz to 7GHz



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



Radiates Emission from 7GHz to 18GHz

| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3296.000000 | 55.3 | 200.0 | H | 276.0 | 45.4 | 9.9 | 18.7 | 74 |
| 3522.000000 | 55.0 | 200.0 | H | 22.0 | 44.9 | 10.1 | 19.0 | 74 |
| 4550.000000 | 55.4 | 200.0 | V | 228.0 | 43.8 | 11.6 | 18.6 | 74 |
| 5532.000000 | 55.4 | 200.0 | V | 342.0 | 42.7 | 12.7 | 18.6 | 74 |
| 6081.500000 | 57.8 | 200.0 | H | 2.0 | 42.6 | 15.2 | 16.2 | 74 |
| 7974.875000 | 52.6 | 200.0 | V | 21.0 | 42.6 | 10.0 | 21.4 | 74 |

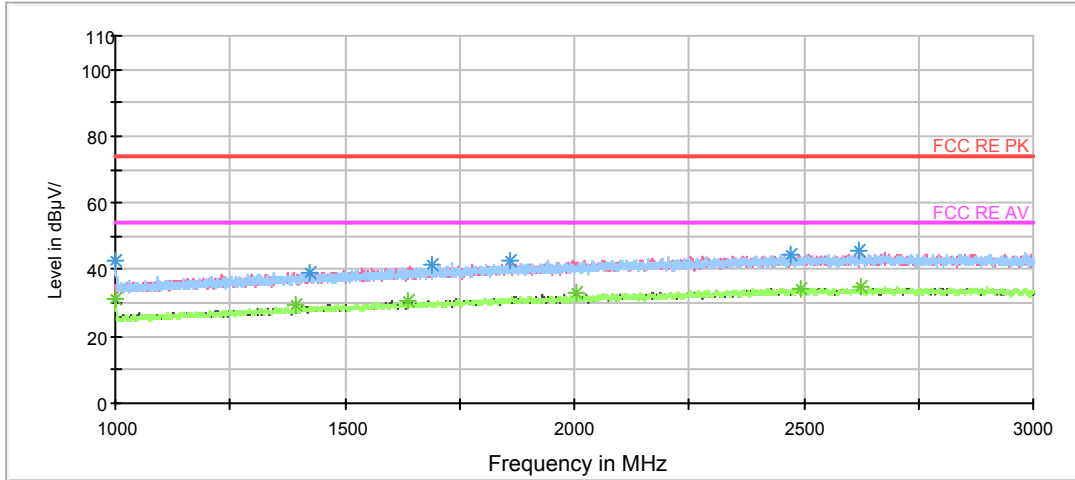
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3096.000000 | 44.2 | 200.0 | V | 56.0 | 34.5 | 9.7 | 9.8 | 54 |
| 3528.500000 | 44.2 | 200.0 | V | 0.0 | 34.1 | 10.1 | 9.8 | 54 |
| 4480.500000 | 44.5 | 200.0 | V | 266.0 | 32.9 | 11.6 | 9.5 | 54 |
| 5502.500000 | 45.2 | 200.0 | V | 348.0 | 32.5 | 12.7 | 8.8 | 54 |
| 6128.000000 | 48.3 | 200.0 | V | 327.0 | 32.8 | 15.5 | 5.7 | 54 |
| 7995.500000 | 42.8 | 200.0 | H | 0.0 | 32.8 | 10.0 | 11.2 | 54 |

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

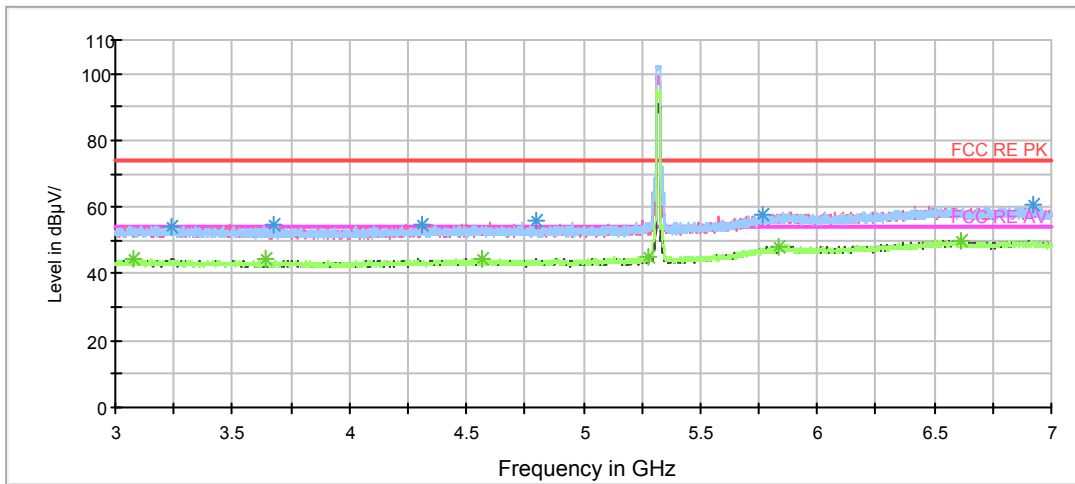
802.11n (HT20) CH64

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



Radiates Emission from 1GHz to 3GHz

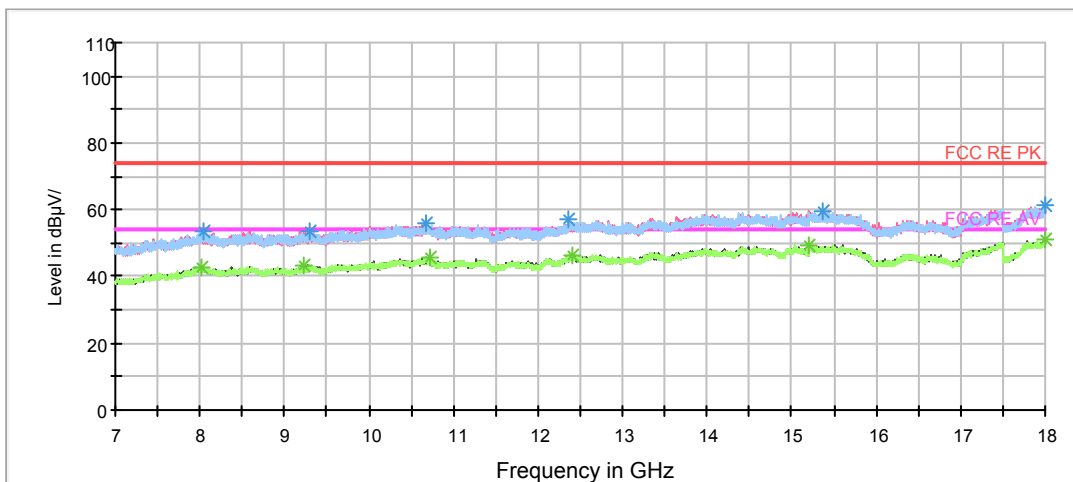
FCC RE 1G-18GHz PK+AV Class B



Note: The signal beyond the limit is carrier.

Radiates Emission from 3GHz to 7GHz

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



Radiates Emission from 7GHz to 18GHz

| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3241.500000 | 54.3 | 200.0 | V | 354.0 | 44.5 | 9.8 | 19.7 | 74 |
| 3678.000000 | 54.9 | 200.0 | V | 359.0 | 44.6 | 10.3 | 19.1 | 74 |
| 4312.000000 | 54.7 | 200.0 | V | 358.0 | 43.2 | 11.5 | 19.3 | 74 |
| 4795.000000 | 56.0 | 200.0 | V | 347.0 | 44.4 | 11.6 | 18.0 | 74 |
| 5766.500000 | 57.8 | 200.0 | V | 0.0 | 42.7 | 15.1 | 16.2 | 74 |
| 6925.500000 | 60.8 | 200.0 | V | 326.0 | 43.5 | 17.3 | 13.2 | 74 |

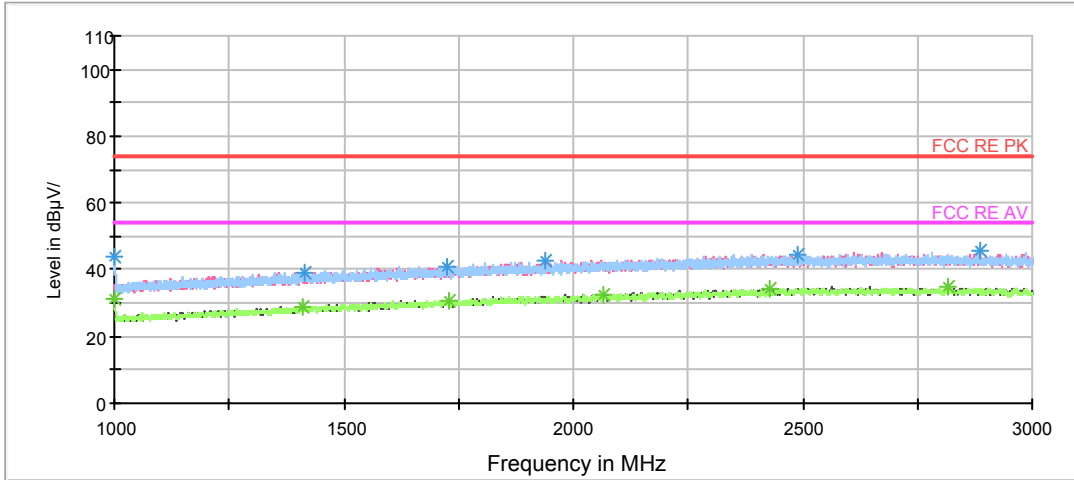
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3075.500000 | 44.4 | 200.0 | V | 214.0 | 34.7 | 9.7 | 9.6 | 54 |
| 3643.000000 | 44.3 | 200.0 | V | 0.0 | 34.1 | 10.2 | 9.7 | 54 |
| 4563.500000 | 44.3 | 200.0 | H | 145.0 | 32.7 | 11.6 | 9.7 | 54 |
| 5274.500000 | 45.0 | 200.0 | H | 44.0 | 32.9 | 12.1 | 9.0 | 54 |
| 5837.000000 | 48.2 | 200.0 | V | 354.0 | 32.7 | 15.5 | 5.8 | 54 |
| 6617.000000 | 49.9 | 200.0 | H | 145.0 | 32.6 | 17.3 | 4.1 | 54 |

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

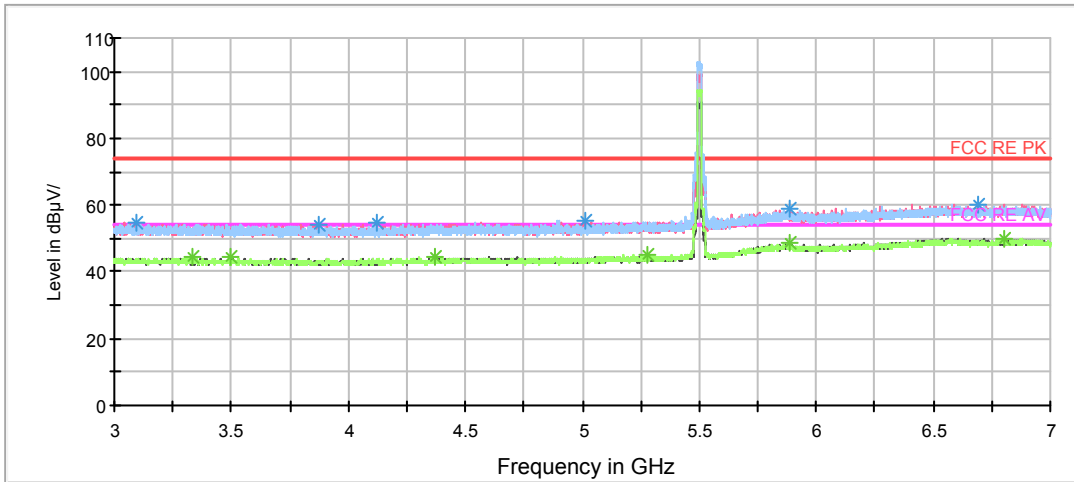
802.11n (HT20) CH100

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



Radiates Emission from 1GHz to 3GHz

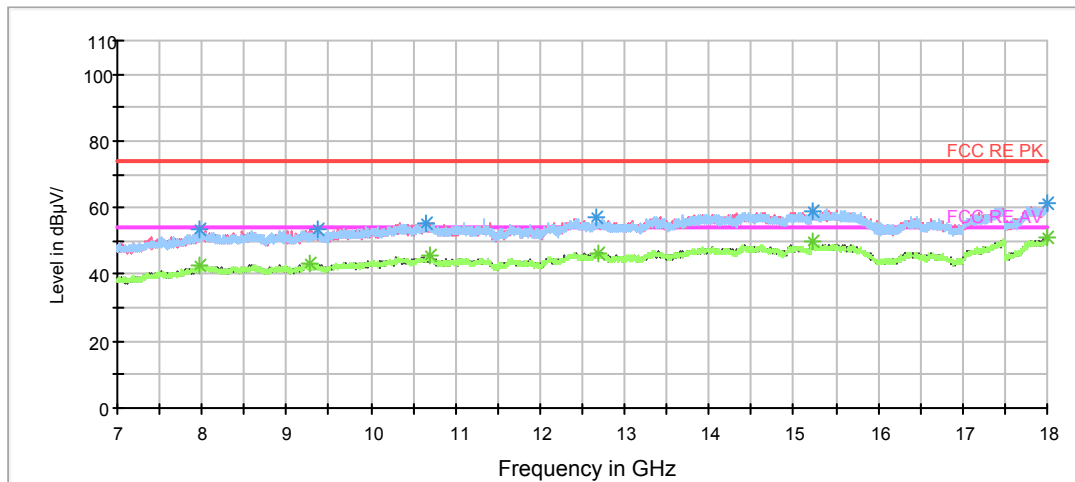
FCC RE 1G-18GHz PK+AV Class B



Note: The signal beyond the limit is carrier.

Radiates Emission from 3GHz to 7GHz

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



Radiates Emission from 7GHz to 18GHz

| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3097.000000 | 54.6 | 200.0 | V | 98.0 | 44.9 | 9.7 | 19.4 | 74 |
| 3874.500000 | 54.3 | 200.0 | V | 228.0 | 43.8 | 10.5 | 19.7 | 74 |
| 4125.000000 | 54.7 | 200.0 | V | 355.0 | 43.7 | 11.0 | 19.3 | 74 |
| 5010.000000 | 55.1 | 200.0 | V | 293.0 | 43.5 | 11.6 | 18.9 | 74 |
| 5883.500000 | 59.2 | 200.0 | V | 84.0 | 43.5 | 15.7 | 14.8 | 74 |
| 6694.500000 | 60.1 | 200.0 | V | 0.0 | 43.0 | 17.1 | 13.9 | 74 |

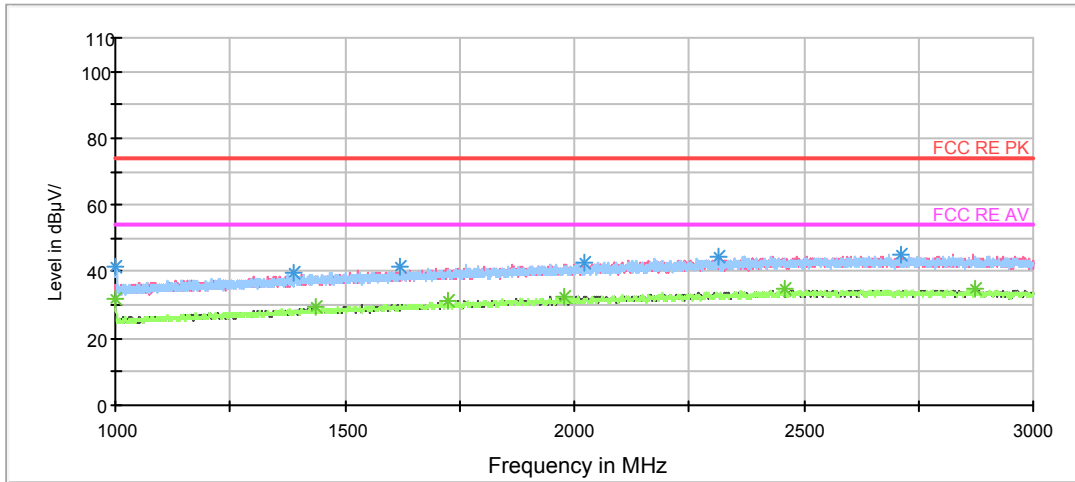
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3331.500000 | 44.4 | 200.0 | H | 107.0 | 34.6 | 9.8 | 9.6 | 54 |
| 3500.500000 | 44.4 | 200.0 | V | 343.0 | 34.3 | 10.1 | 9.6 | 54 |
| 4373.500000 | 44.6 | 200.0 | V | 348.0 | 33.3 | 11.3 | 9.4 | 54 |
| 5275.000000 | 45.3 | 200.0 | H | 12.0 | 33.2 | 12.1 | 8.7 | 54 |
| 5889.000000 | 48.4 | 200.0 | V | 240.0 | 32.8 | 15.6 | 5.6 | 54 |
| 6800.000000 | 49.9 | 200.0 | H | 3.0 | 32.5 | 17.4 | 4.1 | 54 |

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

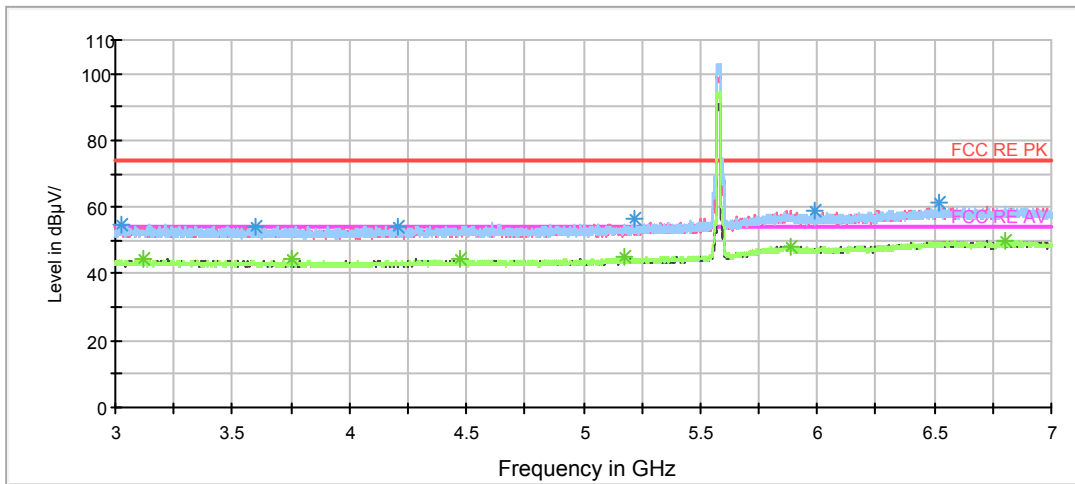
802.11n (HT20) CH116

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



Radiates Emission from 1GHz to 3GHz

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

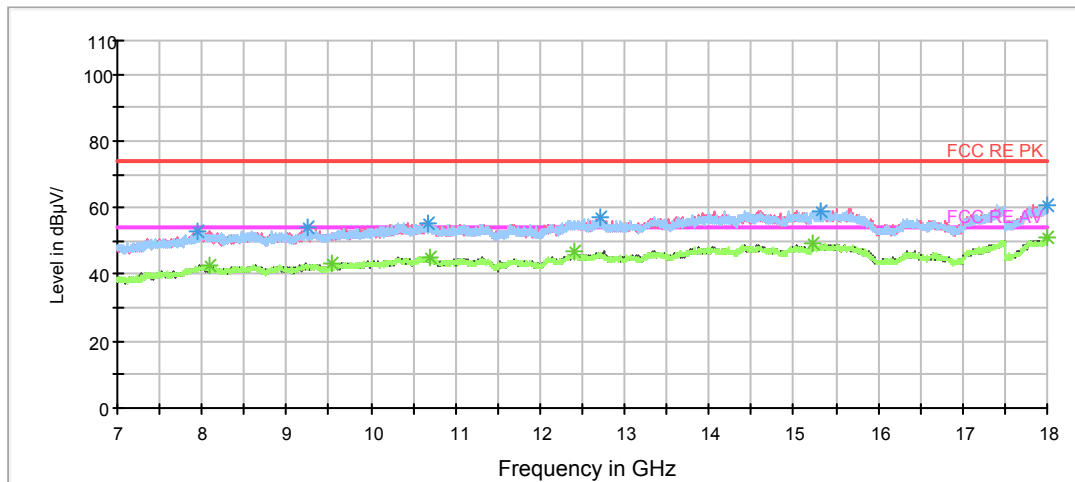


Note: The signal beyond the limit is carrier.

Radiates Emission from 3GHz to 7GHz



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



Radiates Emission from 7GHz to 18GHz

| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3027.500000 | 54.9 | 200.0 | H | 106.0 | 45.2 | 9.7 | 19.1 | 74 |
| 3598.500000 | 54.2 | 200.0 | V | 291.0 | 44.0 | 10.2 | 19.8 | 74 |
| 4207.000000 | 54.4 | 200.0 | V | 0.0 | 43.2 | 11.2 | 19.6 | 74 |
| 5221.000000 | 56.2 | 200.0 | H | 3.0 | 44.2 | 12.0 | 17.8 | 74 |
| 5993.000000 | 59.0 | 200.0 | V | 216.0 | 44.0 | 15.0 | 15.0 | 74 |
| 7958.375000 | 53.2 | 100.0 | H | 4.0 | 43.2 | 10.0 | 20.8 | 74 |

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

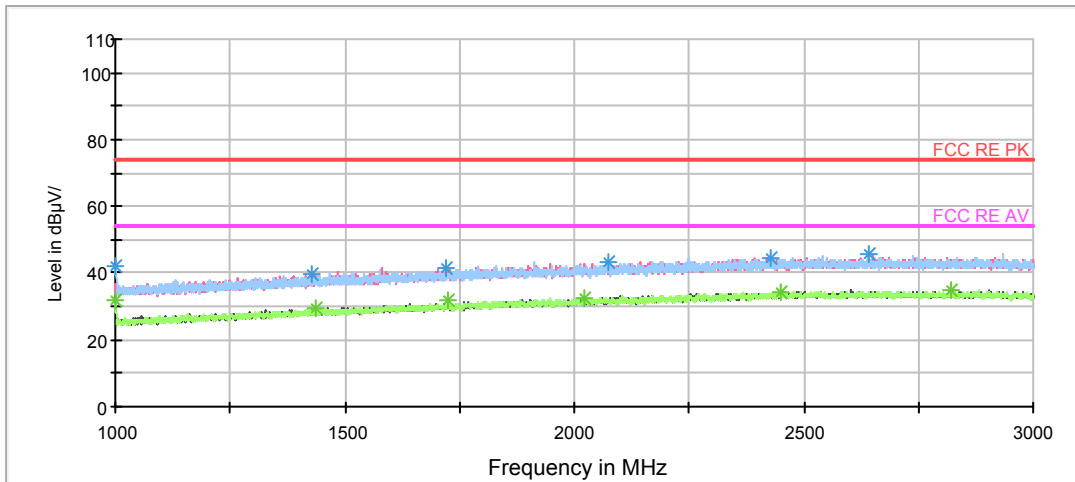
| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3116.000000 | 44.5 | 200.0 | V | 0.0 | 34.7 | 9.8 | 9.5 | 54 |
| 3756.000000 | 44.4 | 200.0 | H | 81.0 | 34.1 | 10.3 | 9.6 | 54 |
| 4475.000000 | 44.4 | 200.0 | H | 357.0 | 32.9 | 11.5 | 9.6 | 54 |
| 5177.500000 | 44.9 | 200.0 | H | 3.0 | 33.1 | 11.8 | 9.1 | 54 |
| 5886.000000 | 48.3 | 200.0 | V | 278.0 | 32.6 | 15.7 | 5.7 | 54 |
| 8084.875000 | 42.6 | 100.0 | H | 2.0 | 32.8 | 9.8 | 11.4 | 54 |

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



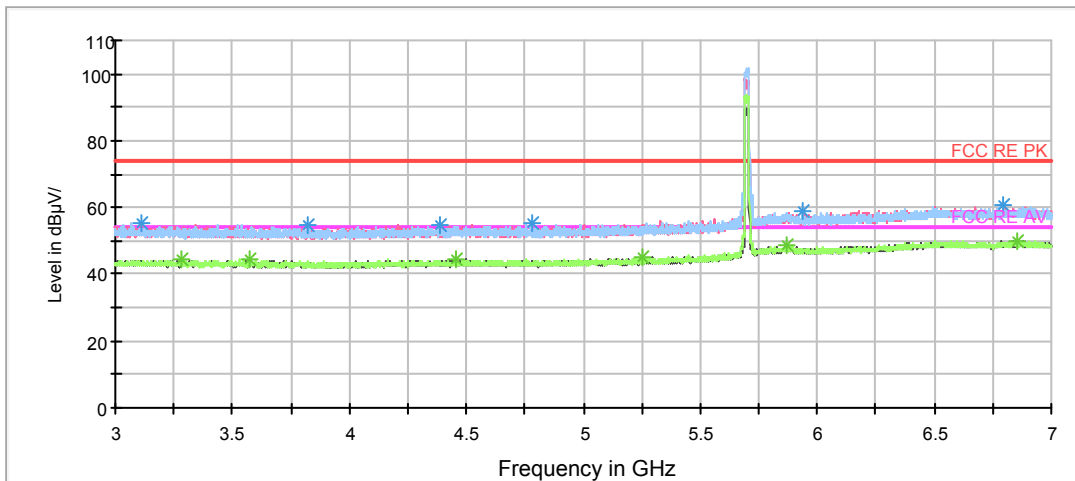
802.11n (HT20) CH140

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



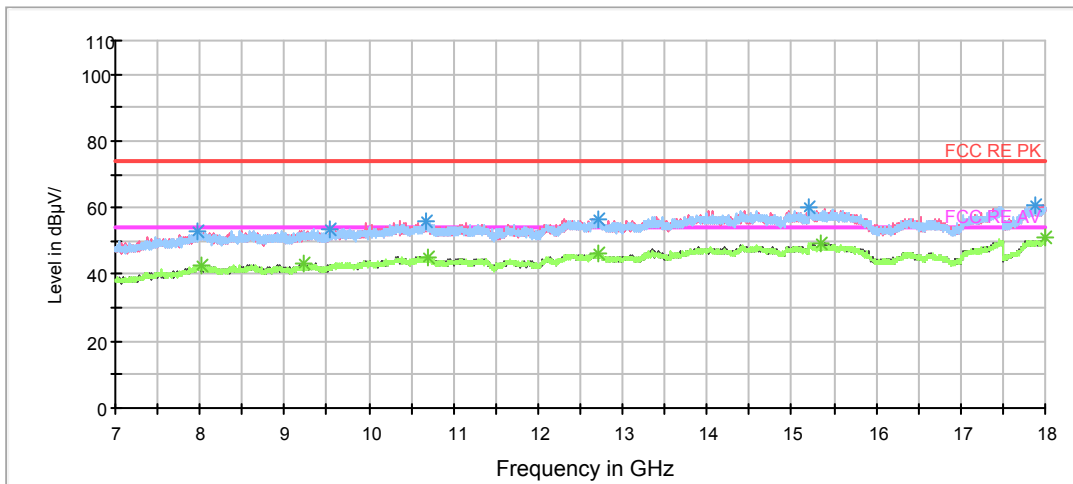
Radiates Emission from 1GHz to 3GHz

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



Note: The signal beyond the limit is carrier.
Radiates Emission from 3GHz to 7GHz

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



Radiates Emission from 7GHz to 18GHz

| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3114.000000 | 55.4 | 200.0 | V | 359.0 | 45.6 | 9.8 | 18.6 | 74 |
| 3821.500000 | 54.7 | 200.0 | H | 3.0 | 44.2 | 10.5 | 19.3 | 74 |
| 4388.000000 | 54.6 | 200.0 | V | 347.0 | 43.2 | 11.4 | 19.4 | 74 |
| 4779.000000 | 55.1 | 200.0 | H | 118.0 | 43.5 | 11.6 | 18.9 | 74 |
| 5936.500000 | 58.6 | 200.0 | H | 12.0 | 43.3 | 15.3 | 15.4 | 74 |
| 7962.500000 | 53.1 | 100.0 | H | 167.0 | 43.1 | 10.0 | 20.9 | 74 |

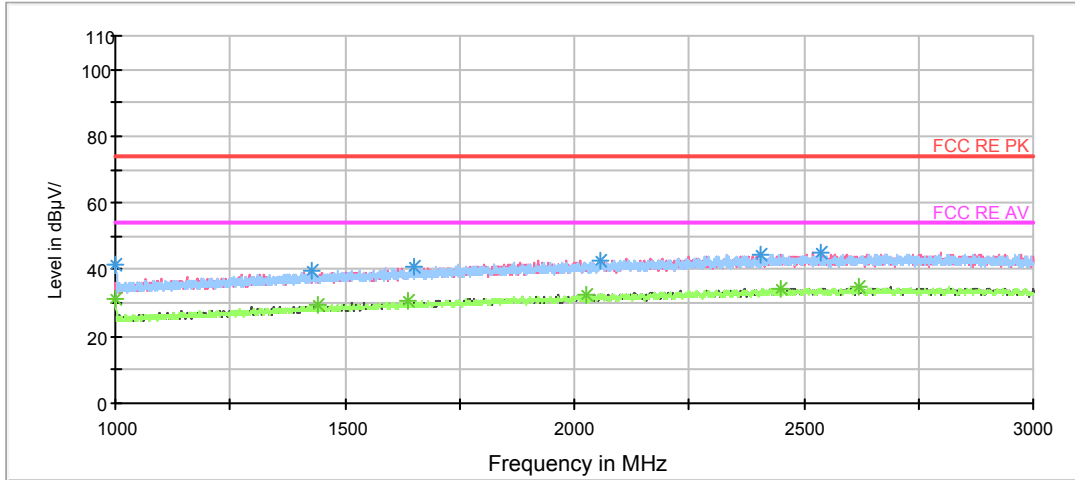
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3282.500000 | 44.2 | 200.0 | H | 0.0 | 34.4 | 9.8 | 9.8 | 54 |
| 3572.500000 | 44.3 | 200.0 | H | 0.0 | 34.2 | 10.1 | 9.7 | 54 |
| 4460.000000 | 44.2 | 200.0 | H | 24.0 | 32.7 | 11.5 | 9.8 | 54 |
| 5249.500000 | 44.9 | 200.0 | V | 316.0 | 32.8 | 12.1 | 9.1 | 54 |
| 5870.000000 | 48.7 | 200.0 | V | 359.0 | 32.9 | 15.8 | 5.3 | 54 |
| 8025.750000 | 42.6 | 100.0 | V | 336.0 | 32.7 | 9.9 | 11.4 | 54 |

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

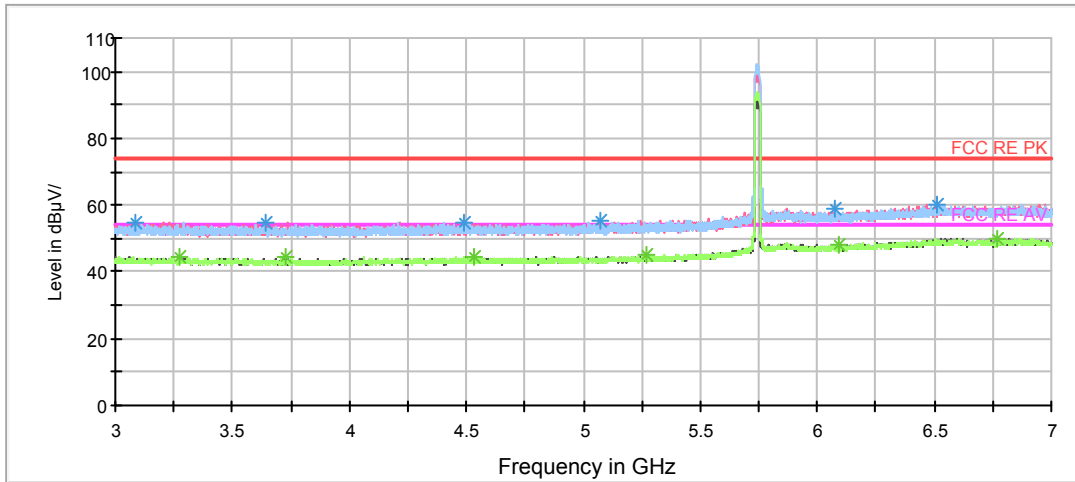
802.11n (HT20) CH149

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



Radiates Emission from 1GHz to 3GHz

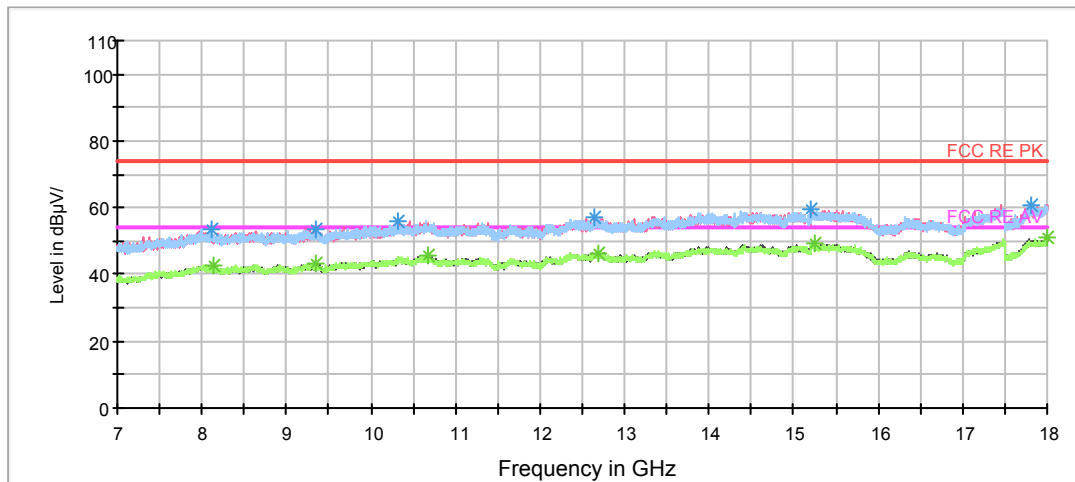
FCC RE 1G-18GHz PK+AV Class B



Note: The signal beyond the limit is carrier.

Radiates Emission from 3GHz to 7GHz

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



Radiates Emission from 7GHz to 18GHz

| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3086.500000 | 54.8 | 200.0 | H | 248.0 | 45.2 | 9.6 | 19.2 | 74 |
| 3641.000000 | 54.8 | 200.0 | V | 98.0 | 44.6 | 10.2 | 19.2 | 74 |
| 4492.000000 | 54.6 | 200.0 | H | 15.0 | 43.0 | 11.6 | 19.4 | 74 |
| 5077.000000 | 55.3 | 200.0 | H | 139.0 | 43.6 | 11.7 | 18.7 | 74 |
| 6076.000000 | 58.8 | 200.0 | H | 88.0 | 43.6 | 15.2 | 15.2 | 74 |
| 6510.000000 | 60.2 | 200.0 | V | 215.0 | 42.9 | 17.3 | 13.8 | 74 |

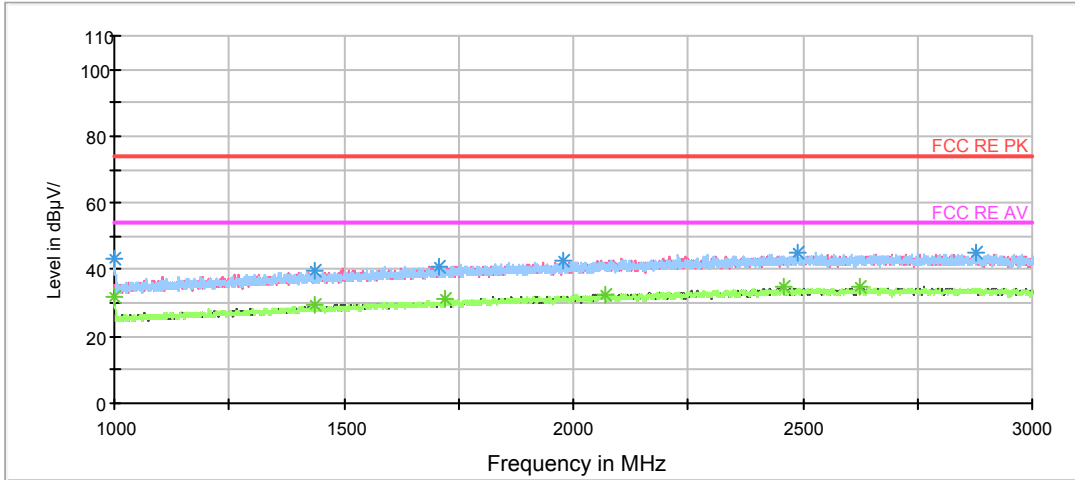
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3276.500000 | 44.3 | 200.0 | H | 51.0 | 34.5 | 9.8 | 9.7 | 54 |
| 3727.500000 | 44.2 | 200.0 | V | 352.0 | 33.8 | 10.4 | 9.8 | 54 |
| 4534.000000 | 44.8 | 200.0 | H | 164.0 | 33.1 | 11.7 | 9.2 | 54 |
| 5269.500000 | 44.9 | 200.0 | H | 75.0 | 32.7 | 12.2 | 9.1 | 54 |
| 6090.000000 | 48.2 | 200.0 | V | 357.0 | 32.9 | 15.3 | 5.8 | 54 |
| 6770.500000 | 49.9 | 200.0 | V | 0.0 | 32.8 | 17.1 | 4.1 | 54 |

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

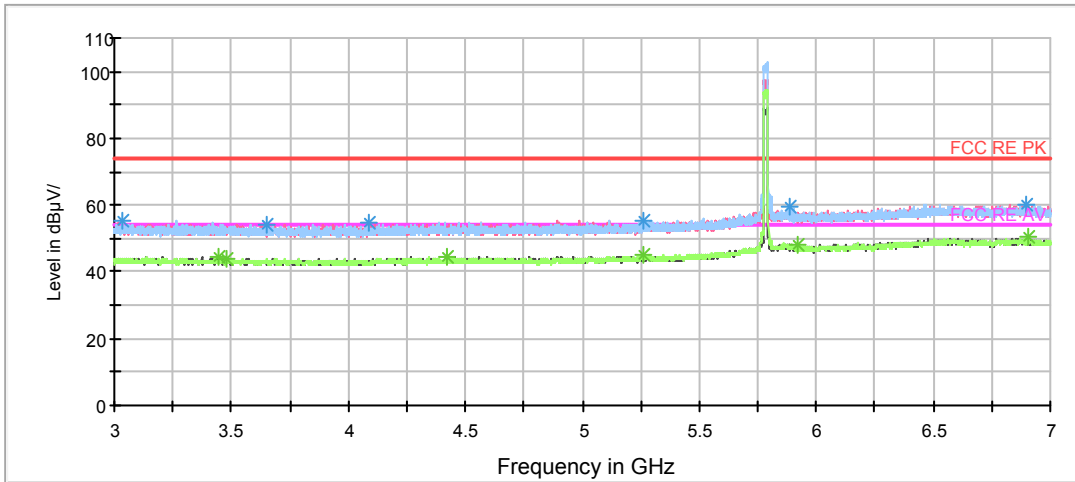
802.11n (HT20) CH157

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



Radiates Emission from 1GHz to 3GHz

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

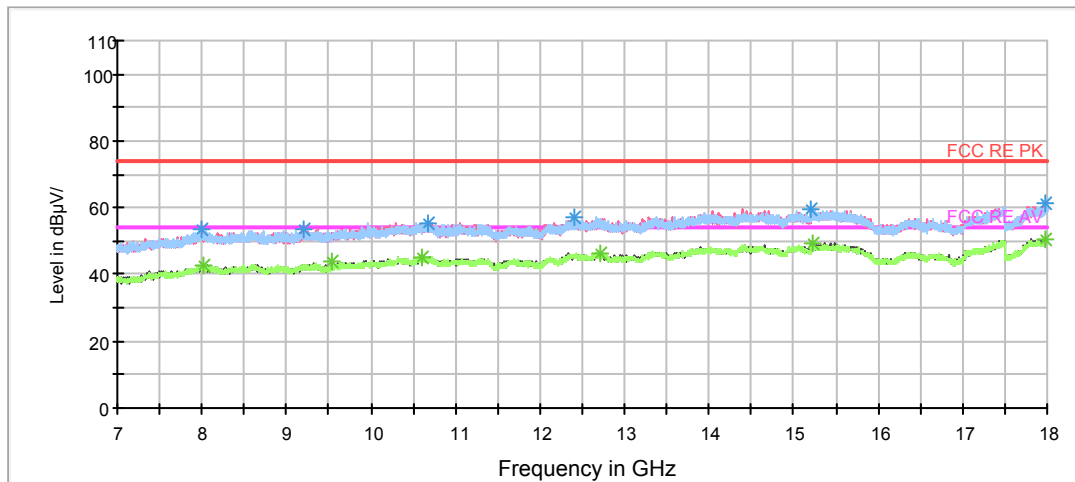


Note: The signal beyond the limit is carrier.

Radiates Emission from 3GHz to 7GHz



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



Radiates Emission from 7GHz to 18GHz

| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3033.500000 | 55.3 | 200.0 | V | 135.0 | 45.7 | 9.6 | 18.7 | 74 |
| 3651.500000 | 54.4 | 200.0 | H | 248.0 | 44.2 | 10.2 | 19.6 | 74 |
| 4085.500000 | 54.9 | 200.0 | V | 215.0 | 44.1 | 10.8 | 19.1 | 74 |
| 5261.000000 | 55.4 | 200.0 | H | 3.0 | 43.3 | 12.1 | 18.6 | 74 |
| 5884.000000 | 59.7 | 200.0 | H | 0.0 | 44.0 | 15.7 | 14.3 | 74 |
| 8006.500000 | 53.3 | 200.0 | V | 1.0 | 43.3 | 10.0 | 20.7 | 74 |

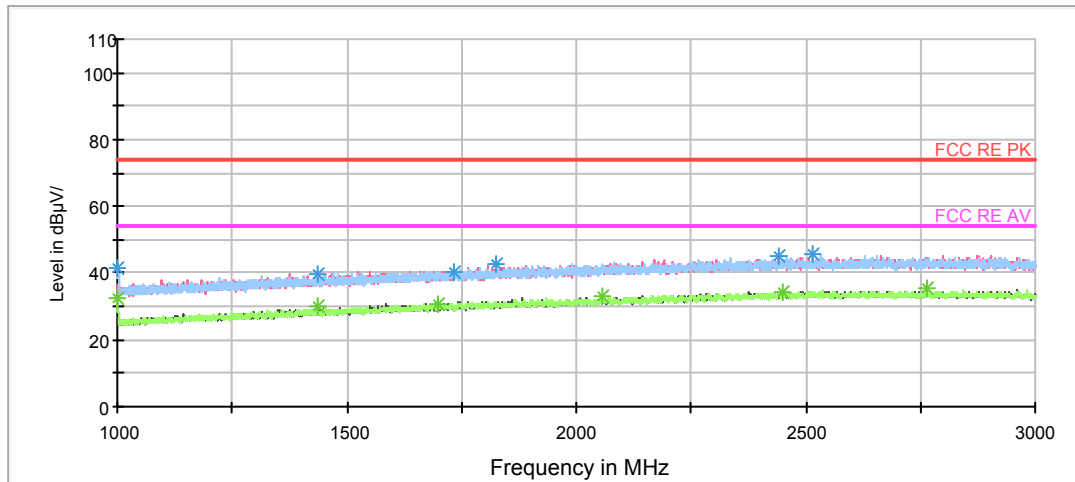
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3444.000000 | 44.4 | 200.0 | V | 358.0 | 34.4 | 10.0 | 9.6 | 54 |
| 3480.500000 | 44.1 | 200.0 | H | 261.0 | 34.0 | 10.1 | 9.9 | 54 |
| 4425.500000 | 44.6 | 200.0 | H | 5.0 | 33.1 | 11.5 | 9.4 | 54 |
| 5265.000000 | 44.9 | 200.0 | H | 8.0 | 32.7 | 12.2 | 9.1 | 54 |
| 5917.000000 | 48.0 | 200.0 | H | 106.0 | 32.6 | 15.4 | 6.0 | 54 |
| 8021.625000 | 42.7 | 100.0 | V | 180.0 | 32.8 | 9.9 | 11.3 | 54 |

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

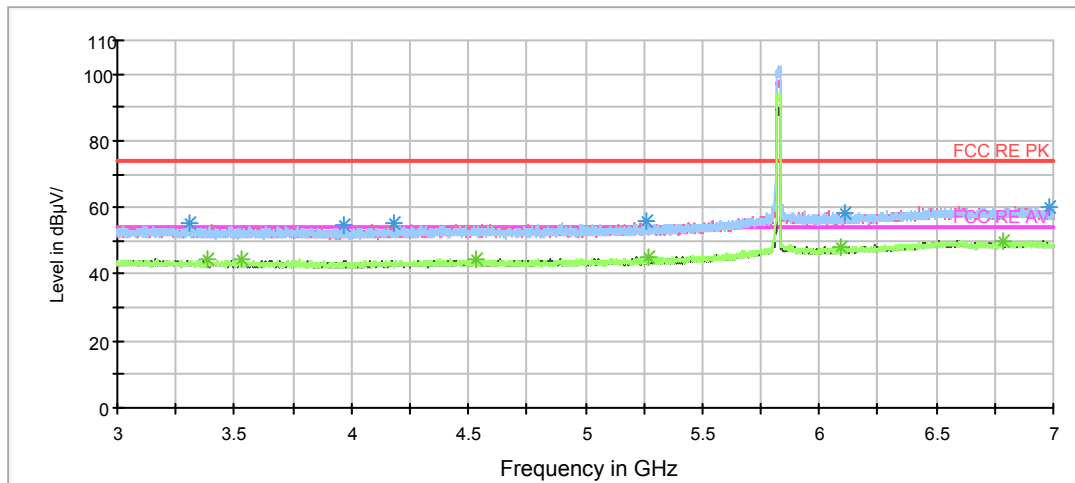
802.11n (HT20) CH165

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



Radiates Emission from 1GHz to 3GHz

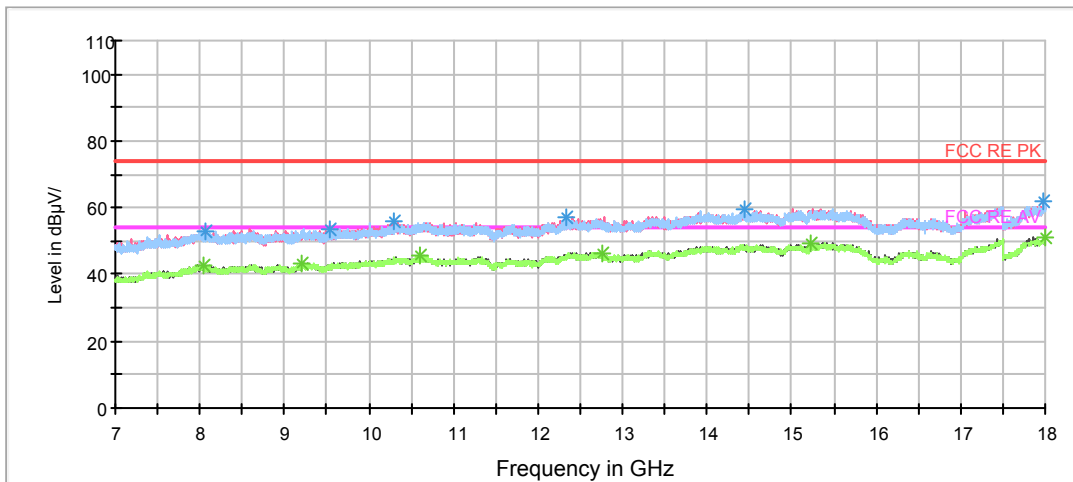
FCC RE 1G-18GHz PK+AV Class B



Note: The signal beyond the limit is carrier.

Radiates Emission from 3GHz to 7GHz

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



Radiates Emission from 7GHz to 18GHz

| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3312.000000 | 55.2 | 200.0 | H | 2.0 | 45.3 | 9.9 | 18.8 | 74 |
| 3966.000000 | 54.4 | 200.0 | V | 326.0 | 43.9 | 10.5 | 19.6 | 74 |
| 4180.500000 | 55.1 | 200.0 | V | 357.0 | 44.0 | 11.1 | 18.9 | 74 |
| 5259.500000 | 55.7 | 200.0 | V | 99.0 | 43.6 | 12.1 | 18.3 | 74 |
| 6113.000000 | 58.2 | 200.0 | H | 2.0 | 42.7 | 15.5 | 15.8 | 74 |
| 6979.500000 | 60.2 | 200.0 | V | 166.0 | 43.3 | 16.9 | 13.8 | 74 |

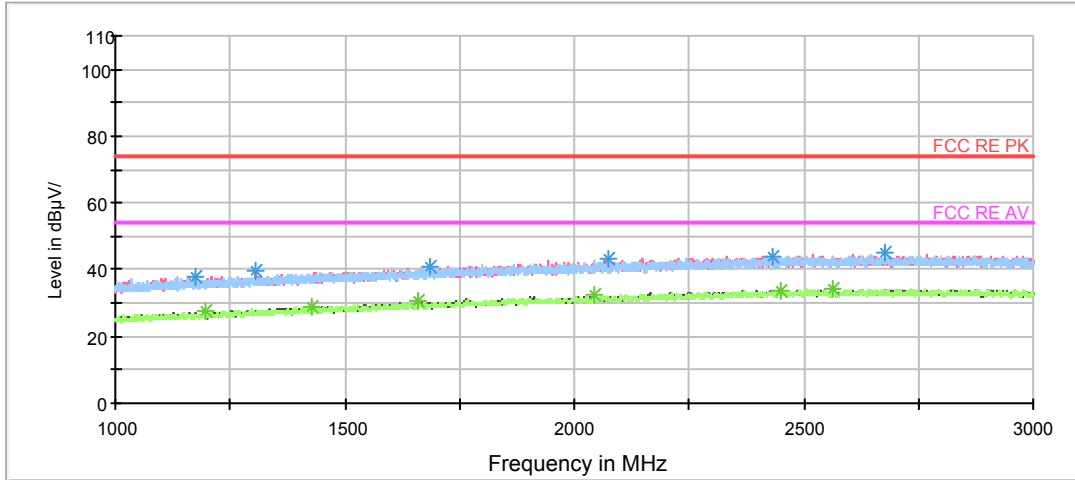
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3384.000000 | 44.7 | 200.0 | V | 242.0 | 34.8 | 9.9 | 9.3 | 54 |
| 3532.500000 | 44.3 | 200.0 | V | 56.0 | 34.2 | 10.1 | 9.7 | 54 |
| 4531.500000 | 44.4 | 200.0 | H | 0.0 | 32.7 | 11.7 | 9.6 | 54 |
| 5267.000000 | 45.0 | 200.0 | V | 355.0 | 32.8 | 12.2 | 9.0 | 54 |
| 6092.500000 | 48.1 | 200.0 | V | 348.0 | 32.8 | 15.3 | 5.9 | 54 |
| 6782.000000 | 50.0 | 200.0 | V | 348.0 | 32.7 | 17.3 | 4.0 | 54 |

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

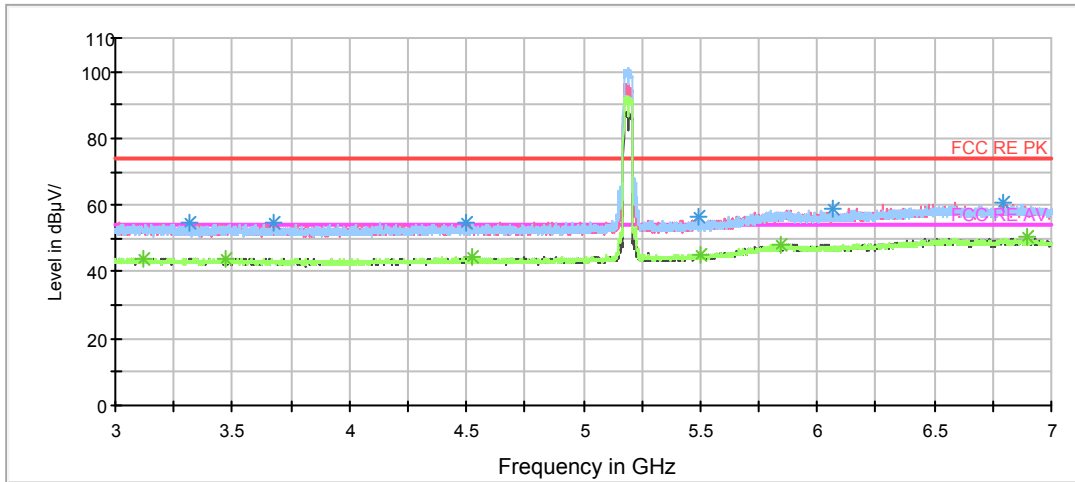
802.11n (HT40) CH38

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



Radiates Emission from 1GHz to 3GHz

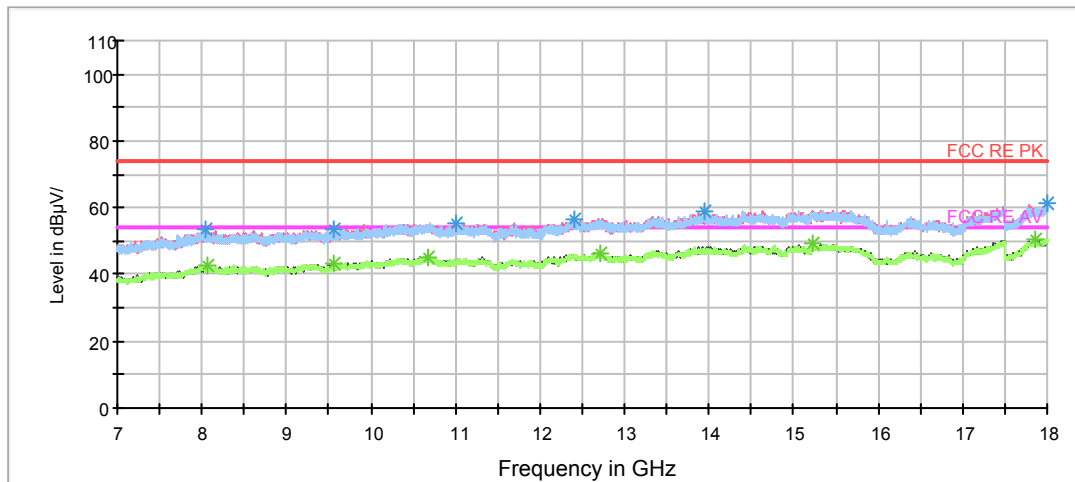
FCC RE 1G-18GHz PK+AV Class B



Note: The signal beyond the limit is carrier.

Radiates Emission from 3GHz to 7GHz

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



Radiates Emission from 7GHz to 18GHz

| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3319.500000 | 54.6 | 200.0 | H | 0.0 | 44.8 | 9.8 | 19.4 | 74 |
| 3680.500000 | 54.7 | 200.0 | V | 337.0 | 44.4 | 10.3 | 19.3 | 74 |
| 4496.500000 | 54.6 | 200.0 | V | 356.0 | 43.0 | 11.6 | 19.4 | 74 |
| 5492.000000 | 56.3 | 200.0 | H | 119.0 | 43.6 | 12.7 | 17.7 | 74 |
| 6070.000000 | 58.8 | 200.0 | H | 237.0 | 43.6 | 15.2 | 15.2 | 74 |
| 8031.250000 | 53.5 | 100.0 | H | 262.0 | 43.6 | 9.9 | 20.5 | 74 |

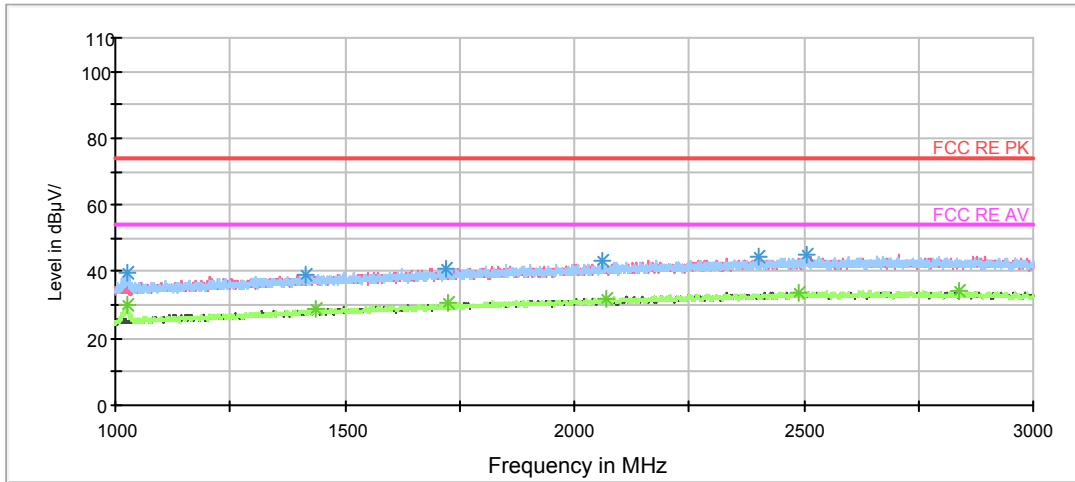
Remark: 1. Correction Factor = Antenna factor+ Insertion loss (cable loss + amplifier gain)

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3116.500000 | 44.1 | 200.0 | H | 69.0 | 34.3 | 9.8 | 9.9 | 54 |
| 3472.000000 | 44.1 | 200.0 | H | 197.0 | 34.1 | 10.0 | 9.9 | 54 |
| 4526.500000 | 44.4 | 200.0 | V | 337.0 | 32.8 | 11.6 | 9.6 | 54 |
| 5504.000000 | 45.0 | 200.0 | H | 1.0 | 32.2 | 12.8 | 9.0 | 54 |
| 5839.500000 | 48.3 | 200.0 | V | 25.0 | 32.8 | 15.5 | 5.7 | 54 |
| 8060.125000 | 42.5 | 200.0 | H | 0.0 | 32.7 | 9.8 | 11.5 | 54 |

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

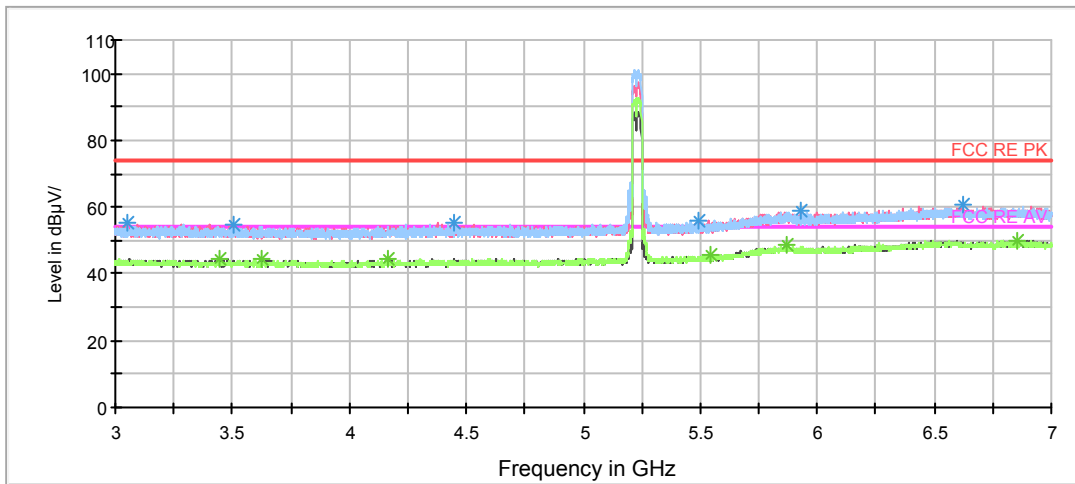
802.11n (HT40) CH46

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



Radiates Emission from 1GHz to 3GHz

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

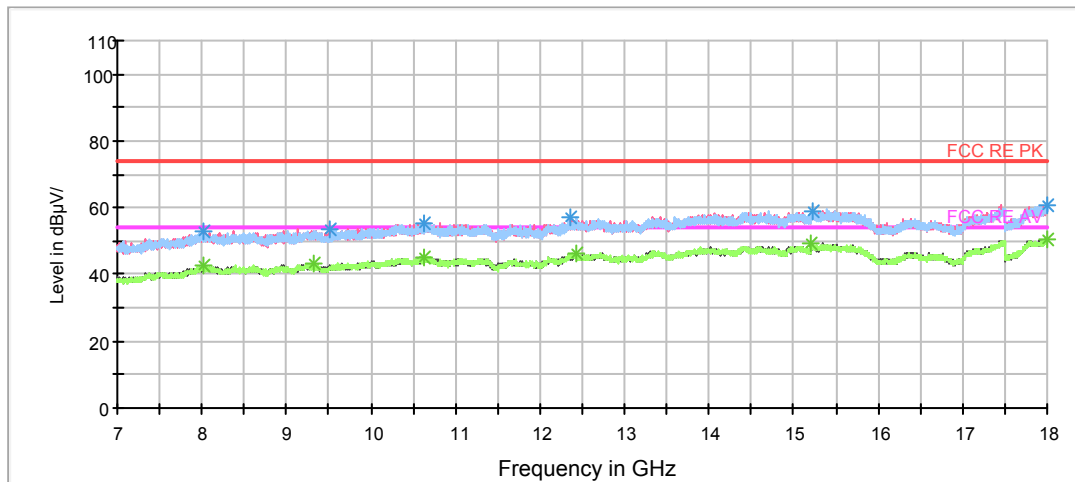


Note: The signal beyond the limit is carrier.

Radiates Emission from 3GHz to 7GHz



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



Radiates Emission from 7GHz to 18GHz

| Frequency (MHz) | Peak (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|---------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3050.500000 | 55.0 | 200.0 | V | 335.0 | 45.4 | 9.6 | 19.0 | 74 |
| 3502.500000 | 54.7 | 200.0 | V | 335.0 | 44.6 | 10.1 | 19.3 | 74 |
| 4451.500000 | 55.4 | 200.0 | V | 0.0 | 43.8 | 11.6 | 18.6 | 74 |
| 5490.000000 | 56.1 | 200.0 | V | 291.0 | 43.4 | 12.7 | 17.9 | 74 |
| 5932.000000 | 58.7 | 200.0 | V | 326.0 | 43.4 | 15.3 | 15.3 | 74 |
| 8025.750000 | 52.9 | 200.0 | V | 21.0 | 43.0 | 9.9 | 21.1 | 74 |

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

| Frequency (MHz) | Average (dBuV/m) | Height (cm) | Polarization | Azimuth (deg) | Reading value (dBuV/m) | Correct Factor (dB) | Margin (dB) | Limit (dBuV/m) |
|-----------------|------------------|-------------|--------------|---------------|------------------------|---------------------|-------------|----------------|
| 3442.500000 | 44.3 | 200.0 | V | 357.0 | 34.3 | 10.0 | 9.7 | 54 |
| 3628.000000 | 44.2 | 200.0 | V | 358.0 | 34.0 | 10.2 | 9.8 | 54 |
| 4164.500000 | 44.5 | 200.0 | H | 207.0 | 33.2 | 11.3 | 9.5 | 54 |
| 5541.500000 | 45.7 | 200.0 | H | 31.0 | 32.9 | 12.8 | 8.3 | 54 |
| 5873.500000 | 48.6 | 200.0 | V | 291.0 | 32.8 | 15.8 | 5.4 | 54 |
| 8017.500000 | 42.6 | 100.0 | H | 4.0 | 32.6 | 10.0 | 11.4 | 54 |

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