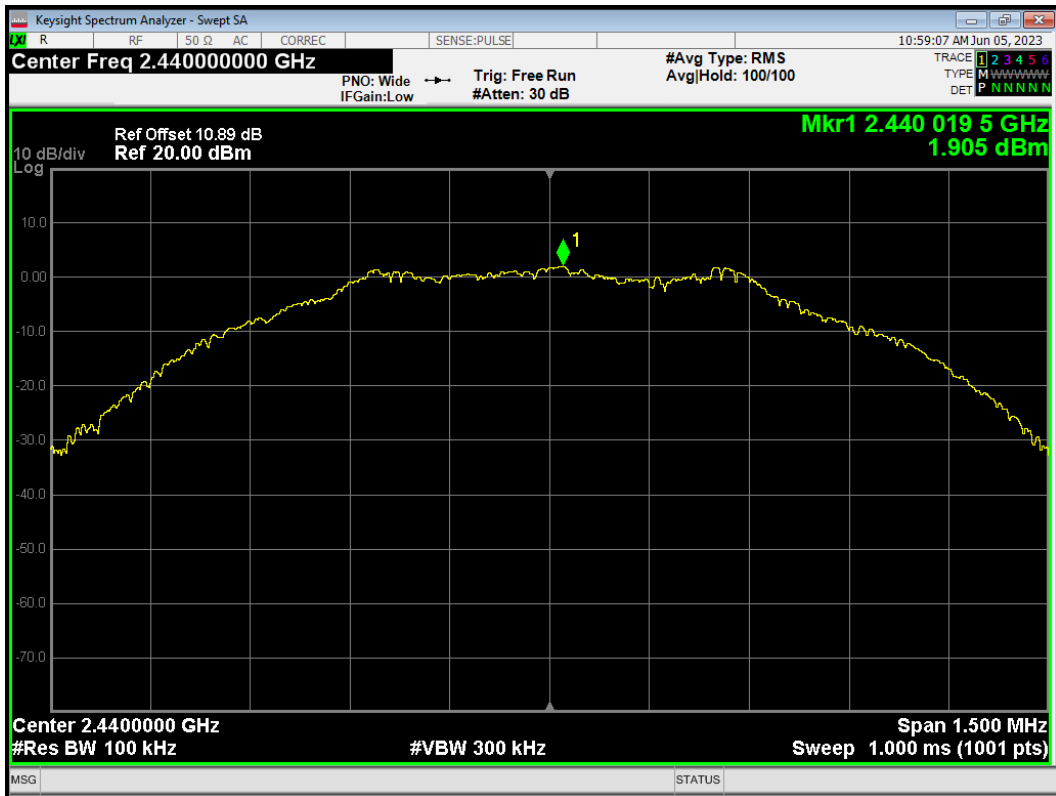
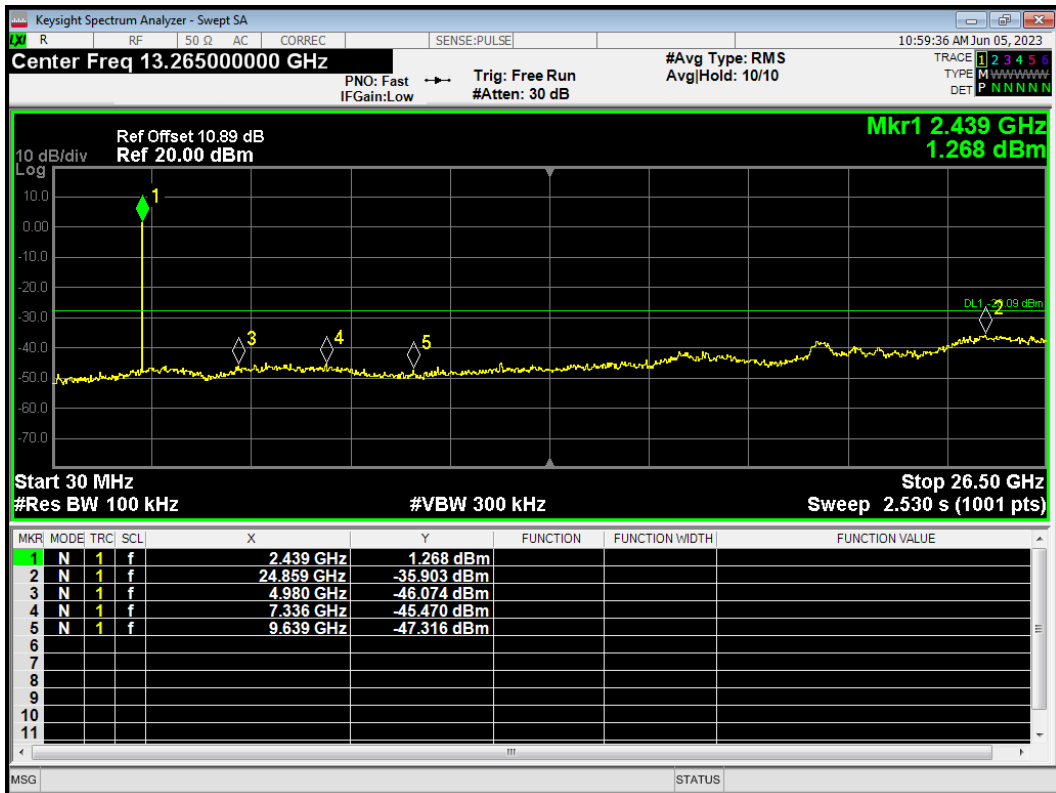


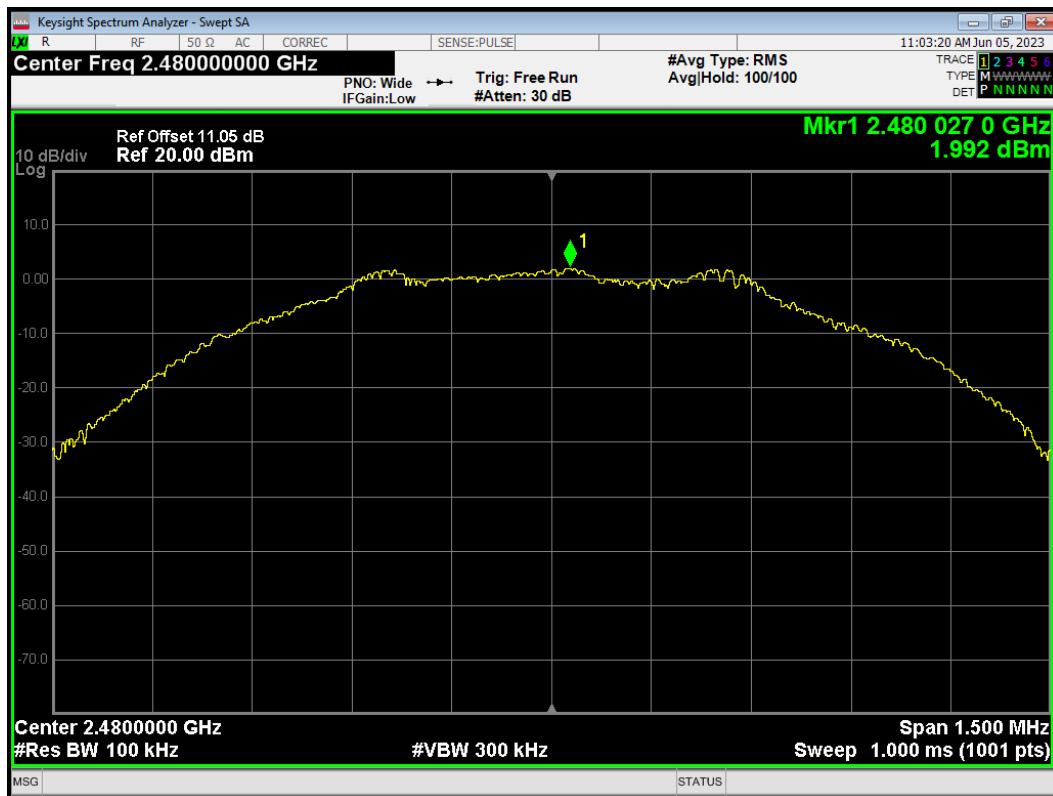
Tx. Spurious BLE (1M) 2440MHz Ref



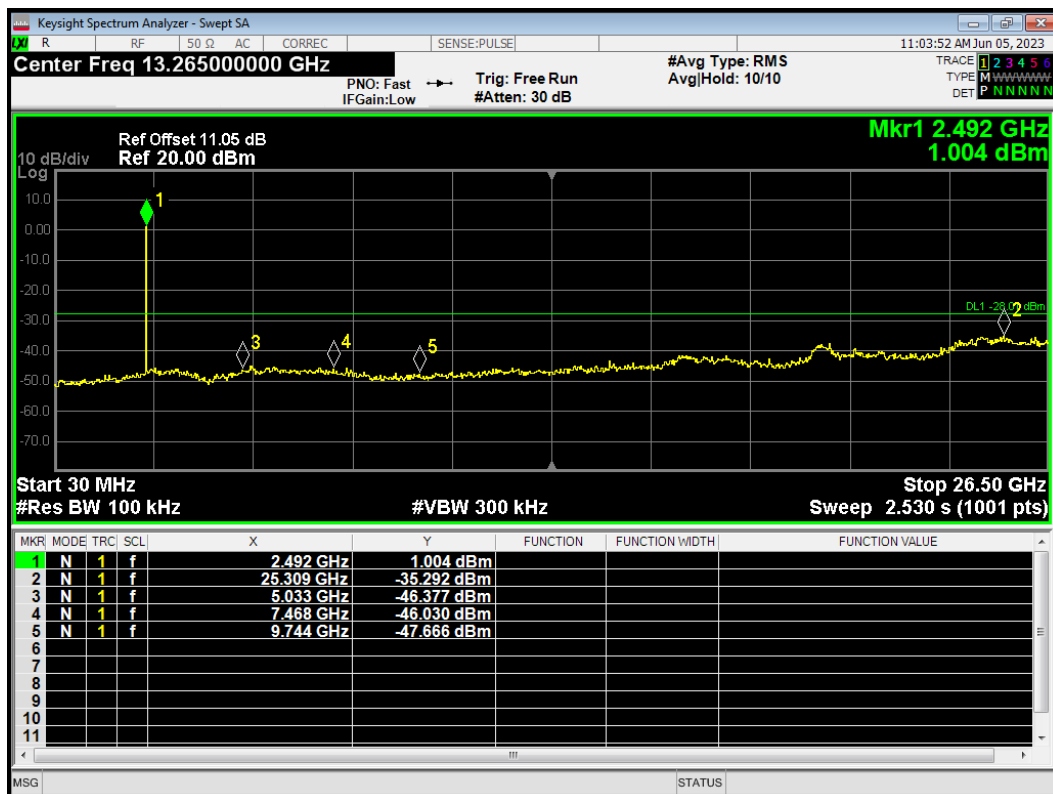
Tx. Spurious BLE (1M) 2440MHz Emission



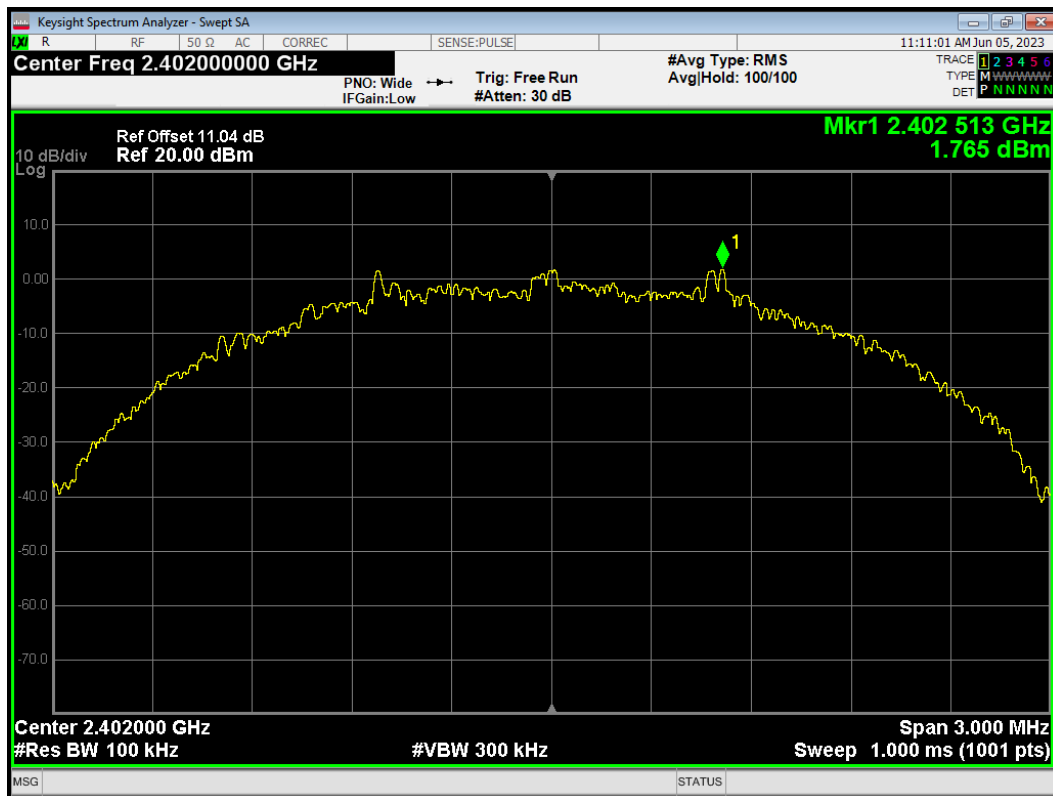
Tx. Spurious BLE (1M) 2480MHz Ref



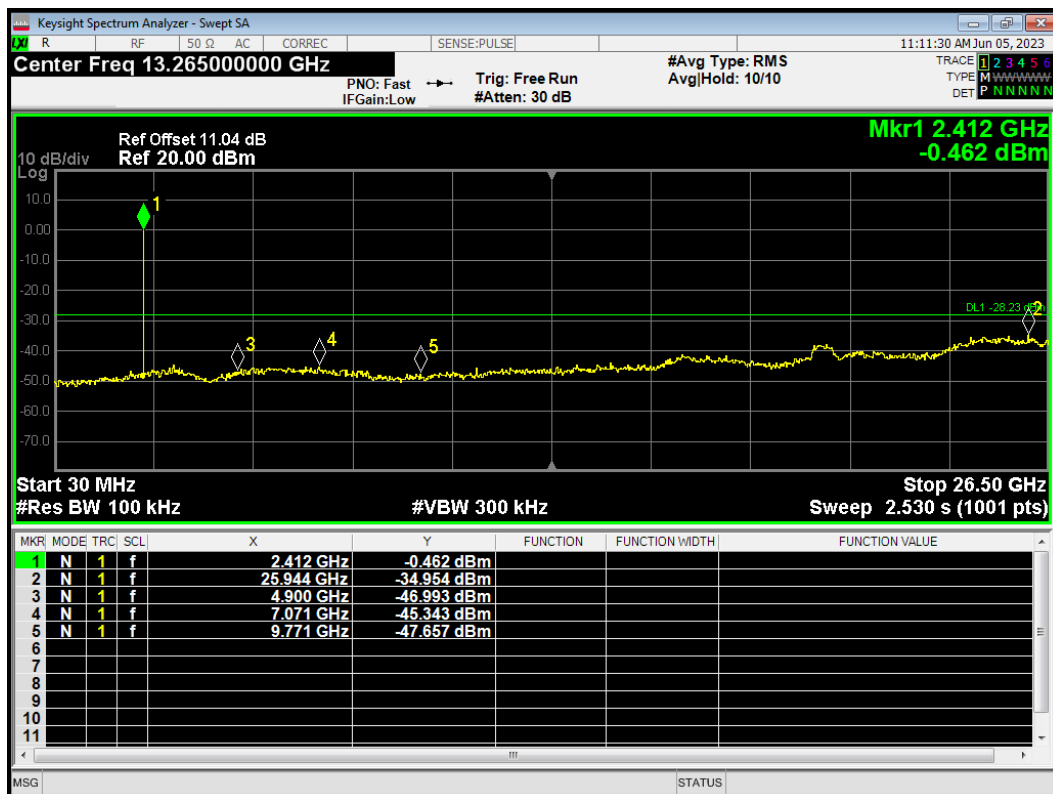
Tx. Spurious BLE (1M) 2480MHz Emission



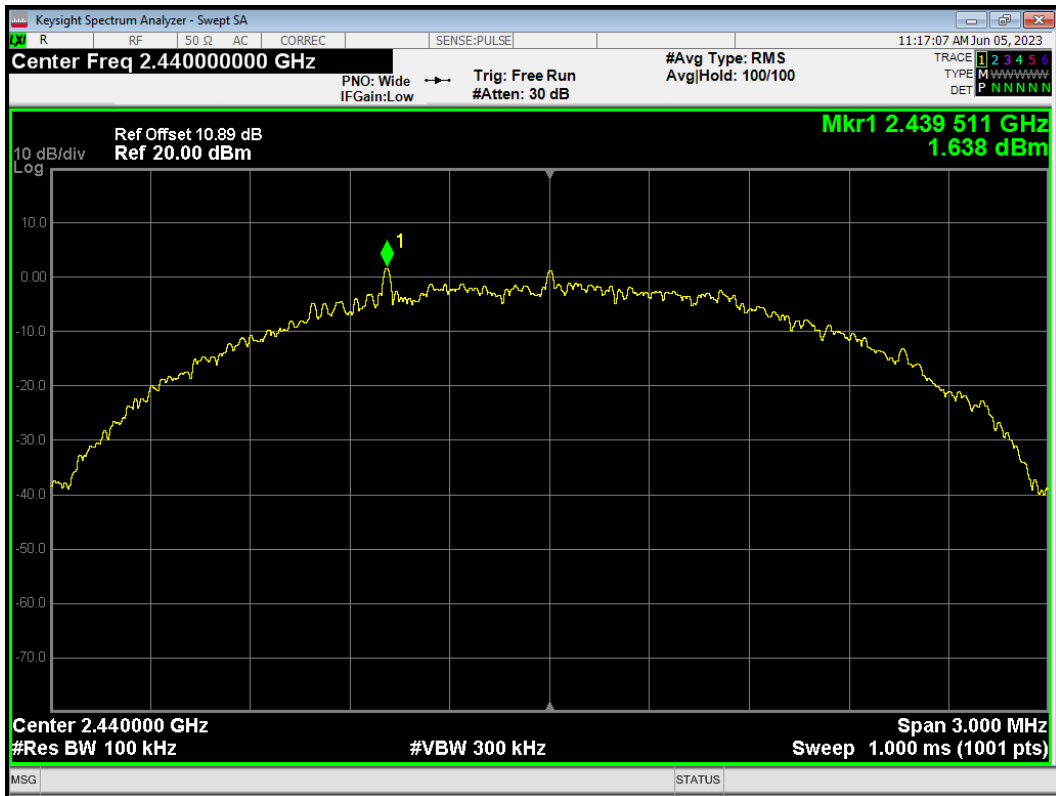
Tx. Spurious BLE (2M) 2402MHz Ref



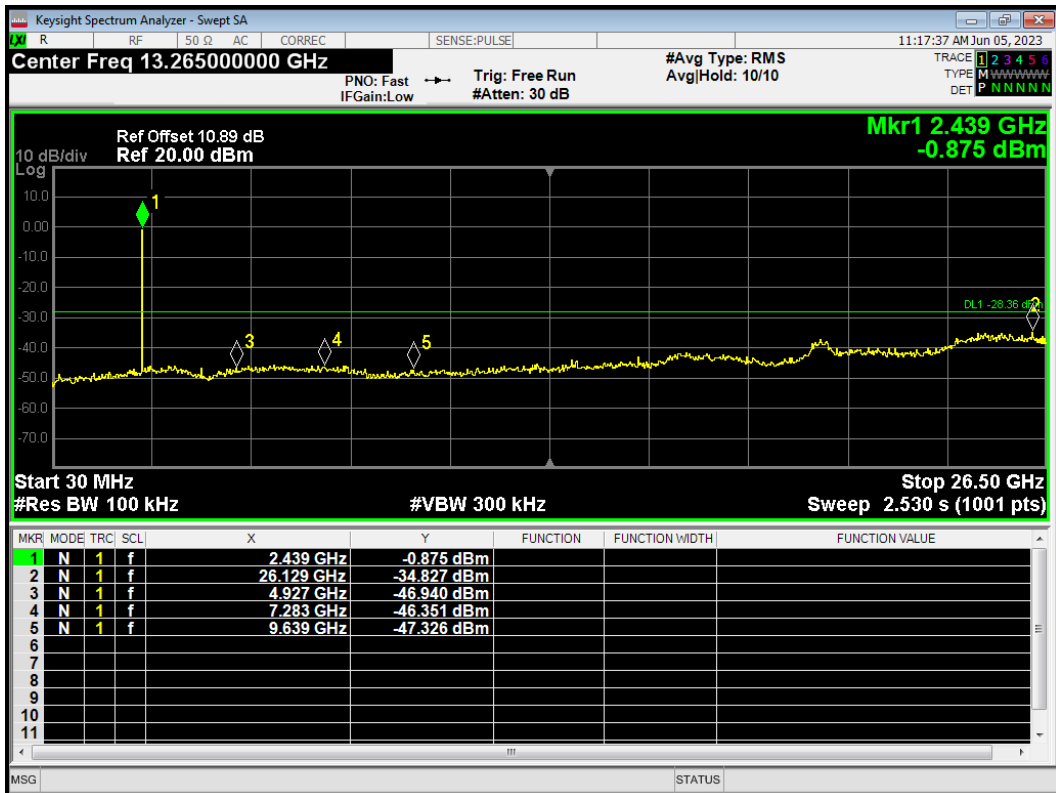
Tx. Spurious BLE (2M) 2402MHz Emission



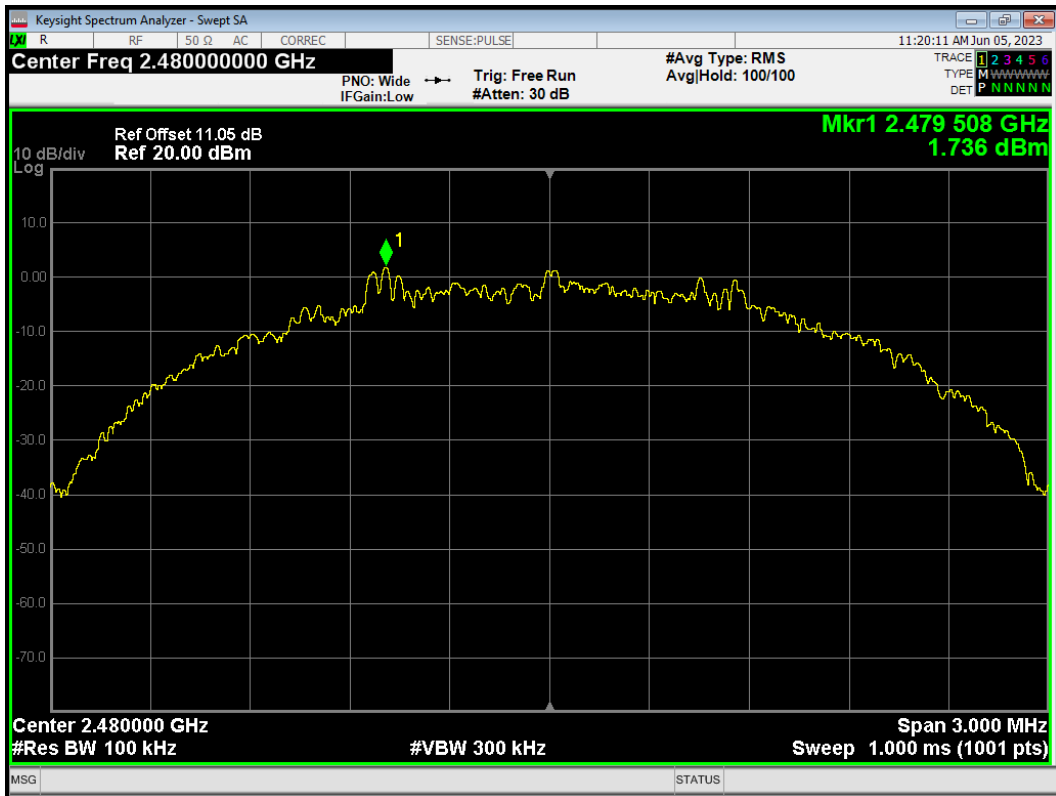
Tx. Spurious BLE (2M) 2440MHz Ref



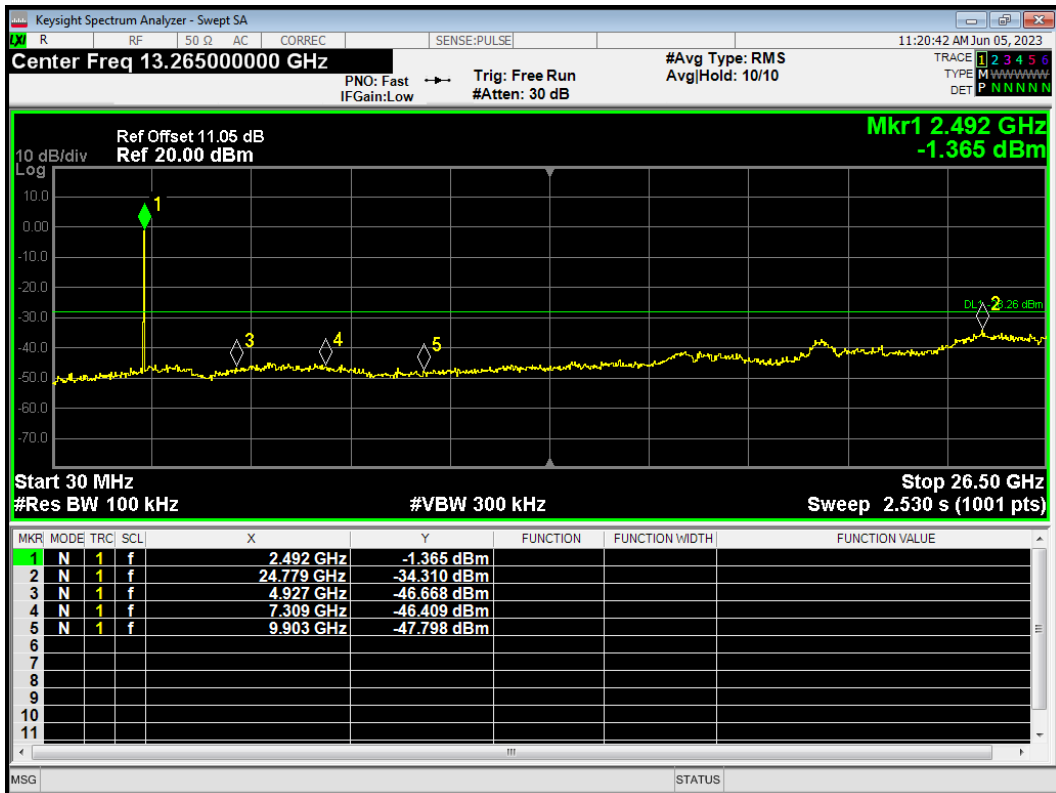
Tx. Spurious BLE (2M) 2440MHz Emission



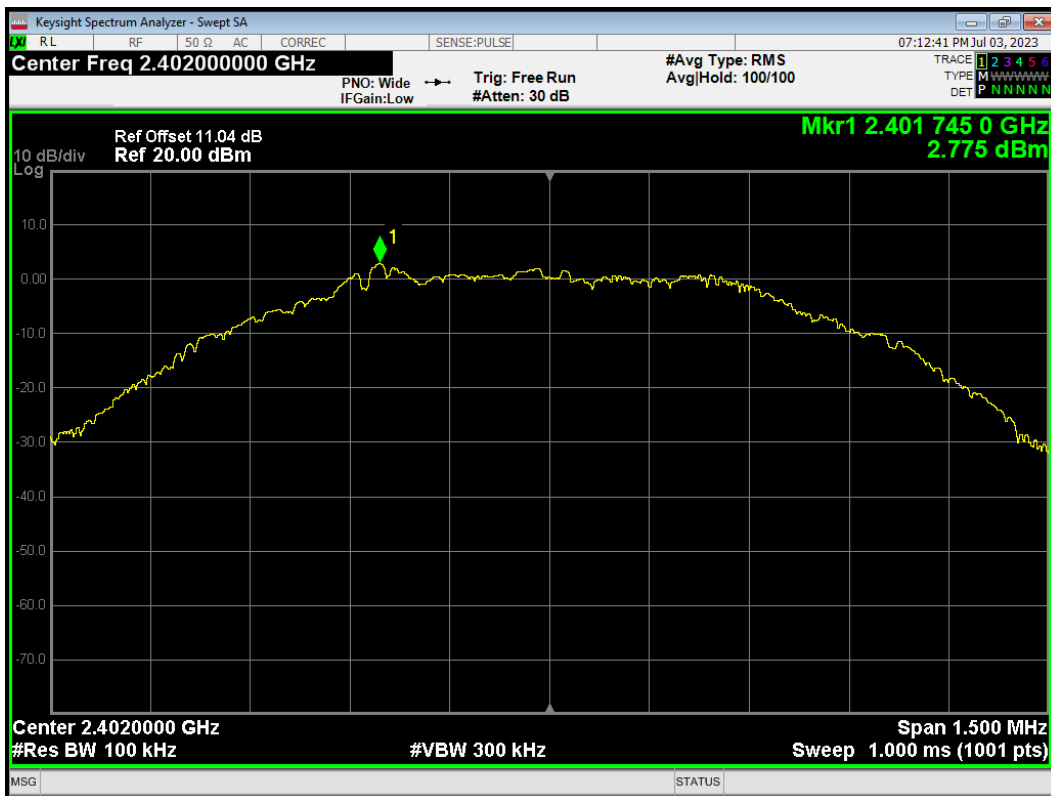
Tx. Spurious BLE (2M) 2480MHz Ref



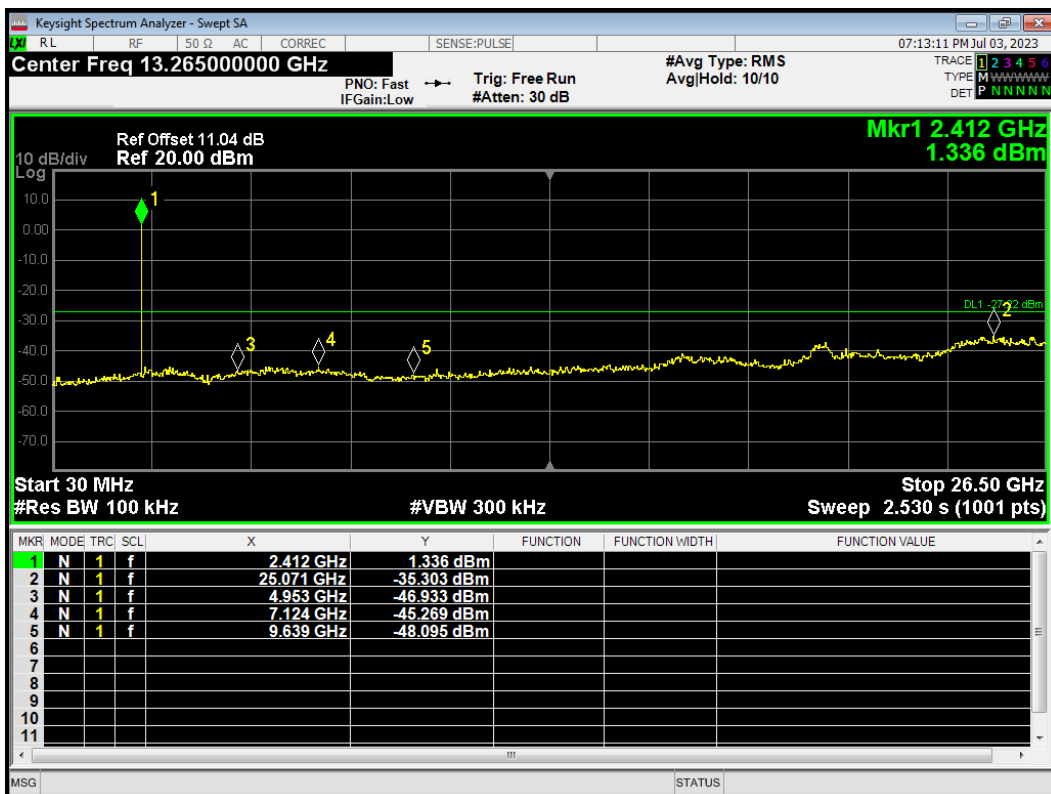
Tx. Spurious BLE (2M) 2480MHz Emission



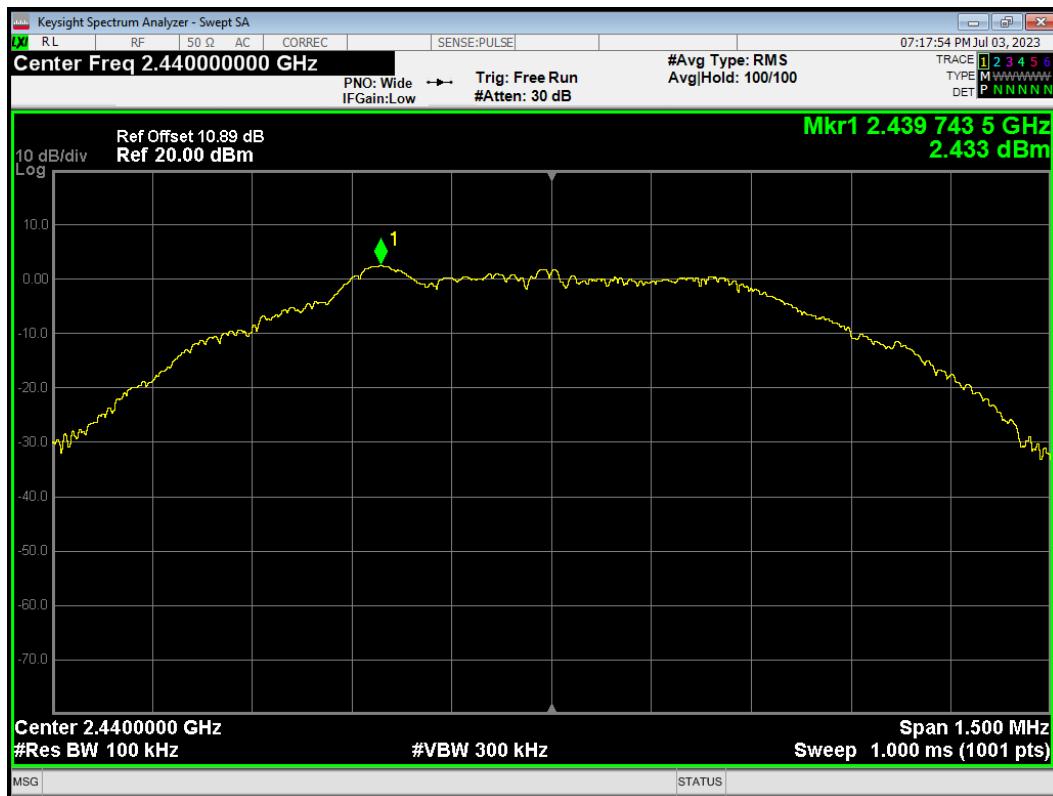
Tx. Spurious BLE (S=2) 2402MHz Ref



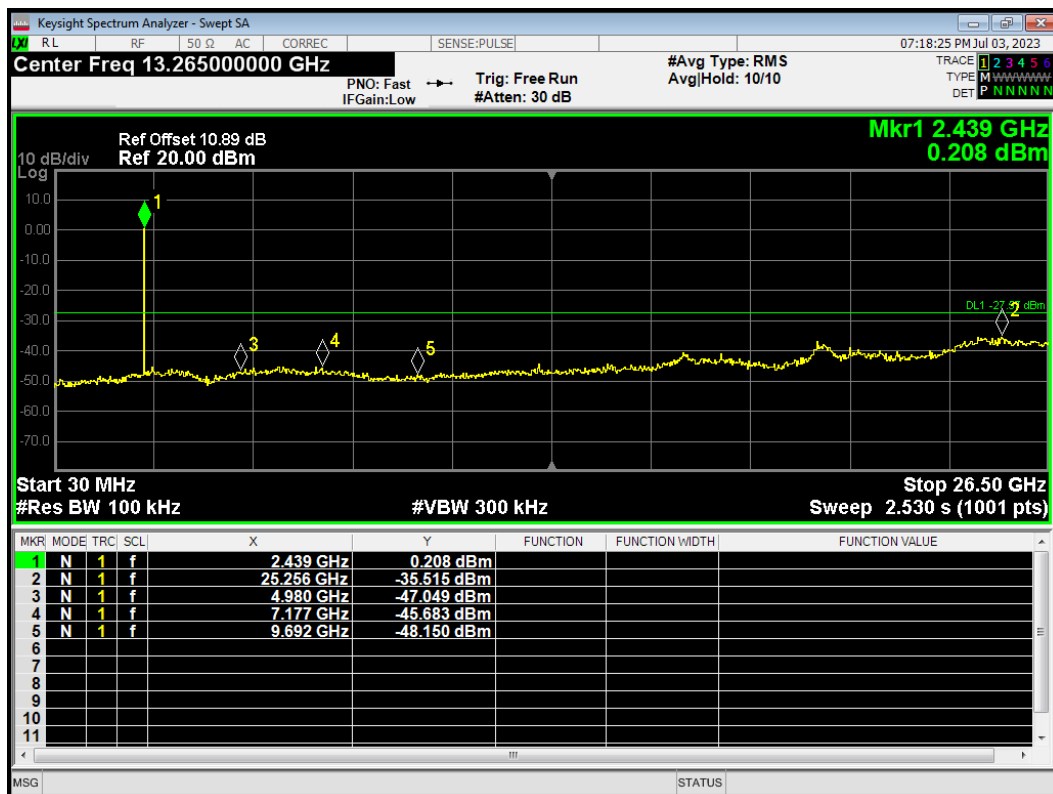
Tx. Spurious BLE (S=2) 2402MHz Emission



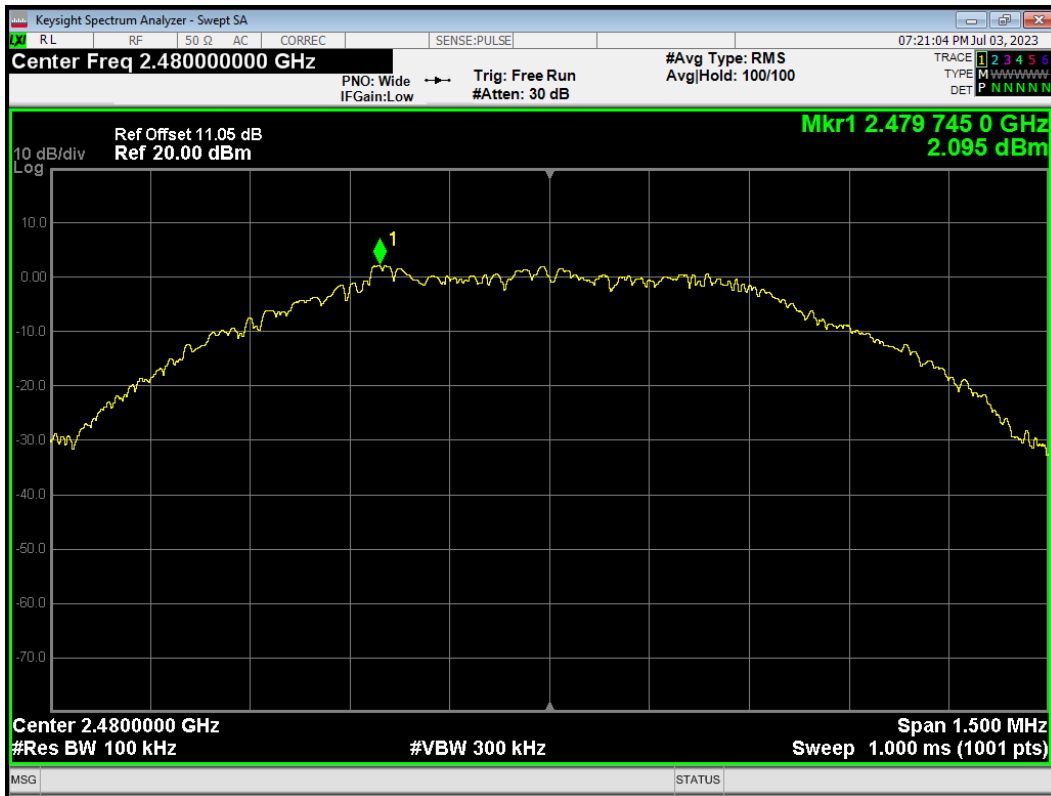
Tx. Spurious BLE (S=2) 2440MHz Ref



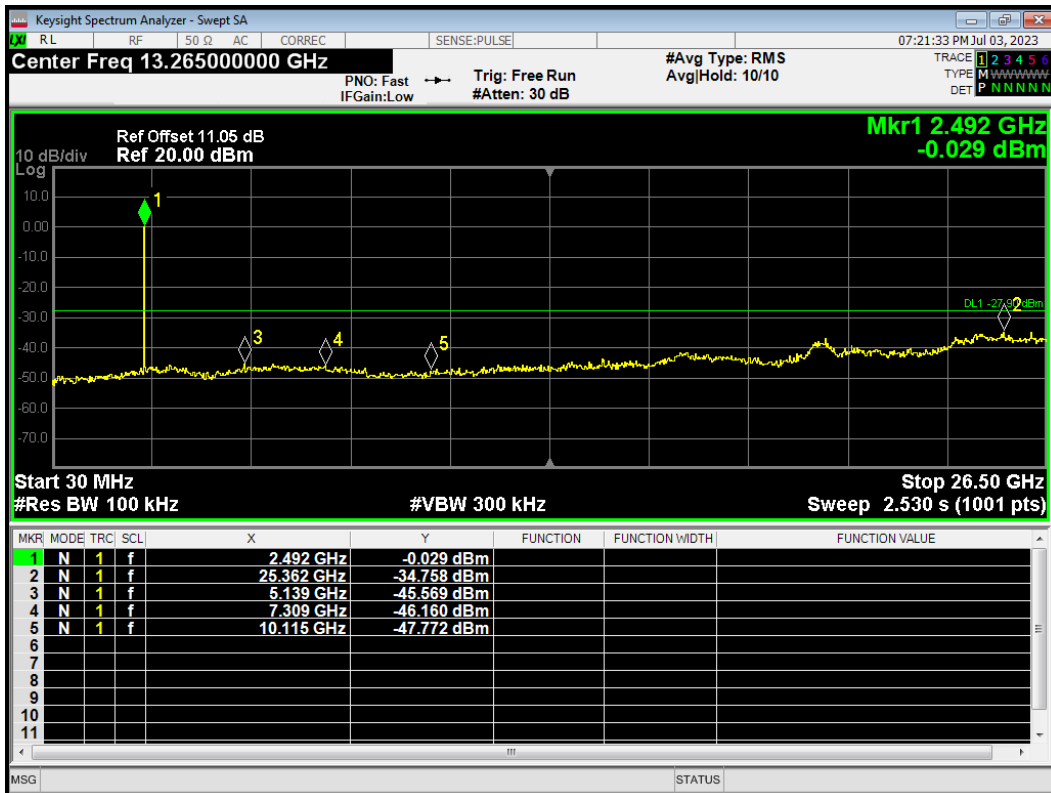
Tx. Spurious BLE (S=2) 2440MHz Emission



Tx. Spurious BLE (S=2) 2480MHz Ref

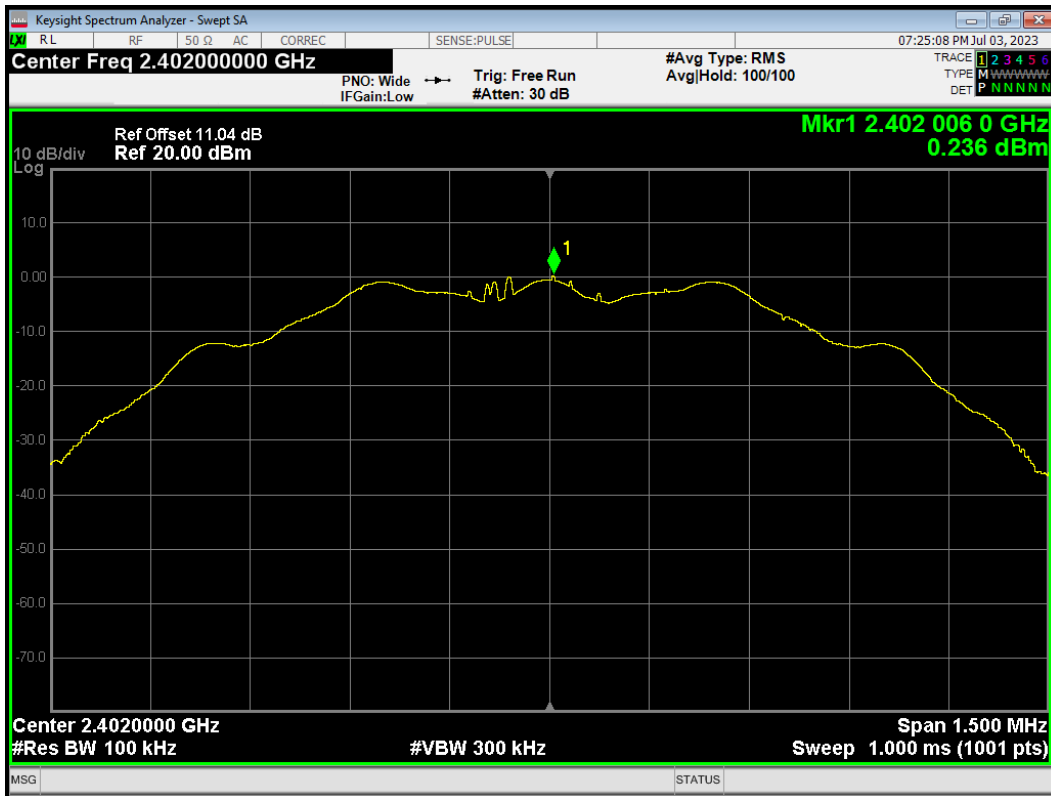


Tx. Spurious BLE (S=2) 2480MHz Emission

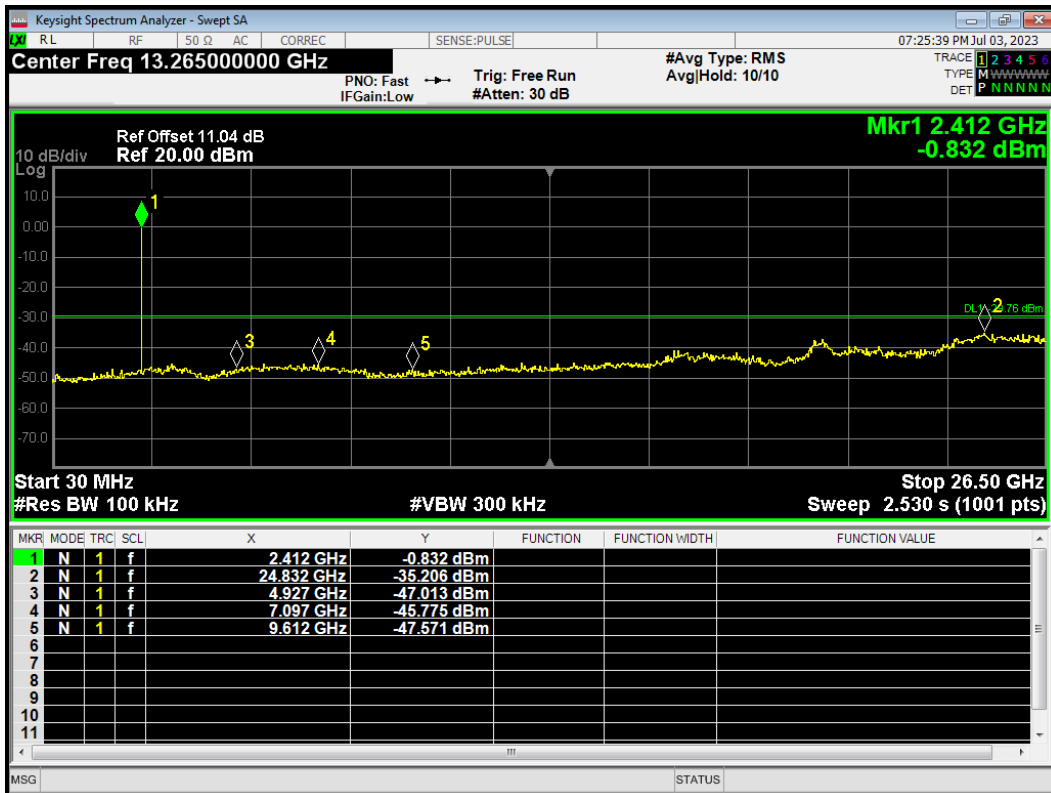




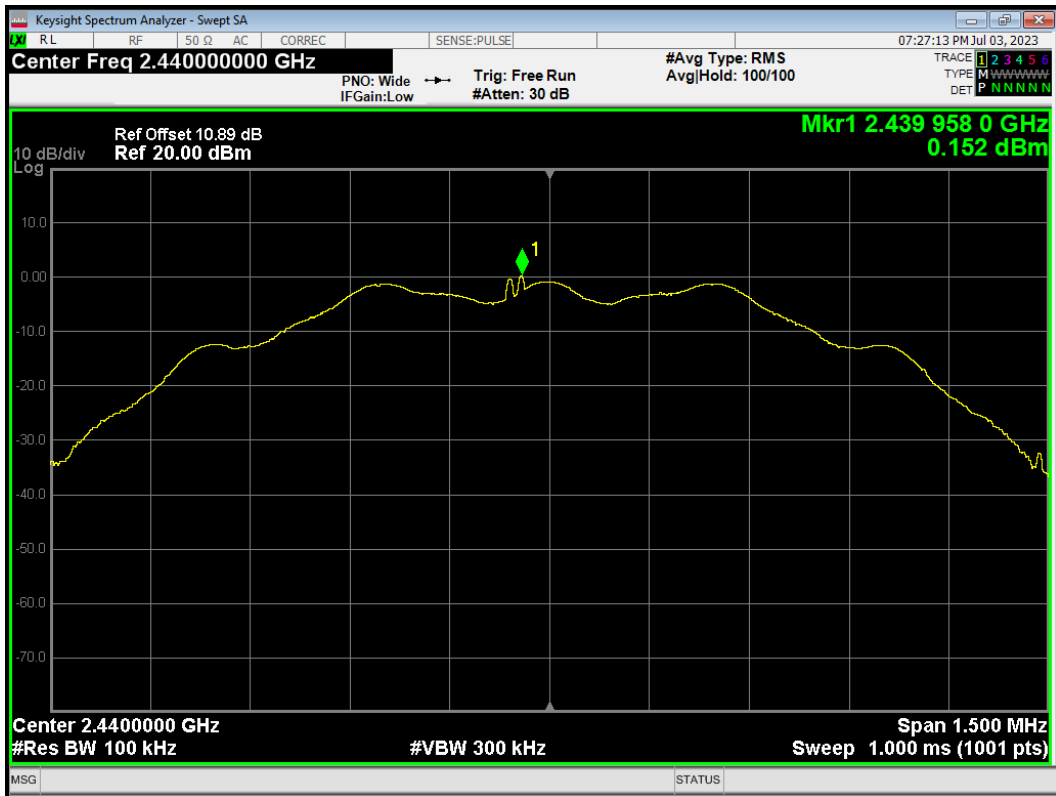
Tx. Spurious BLE (S=8) 2402MHz Ref



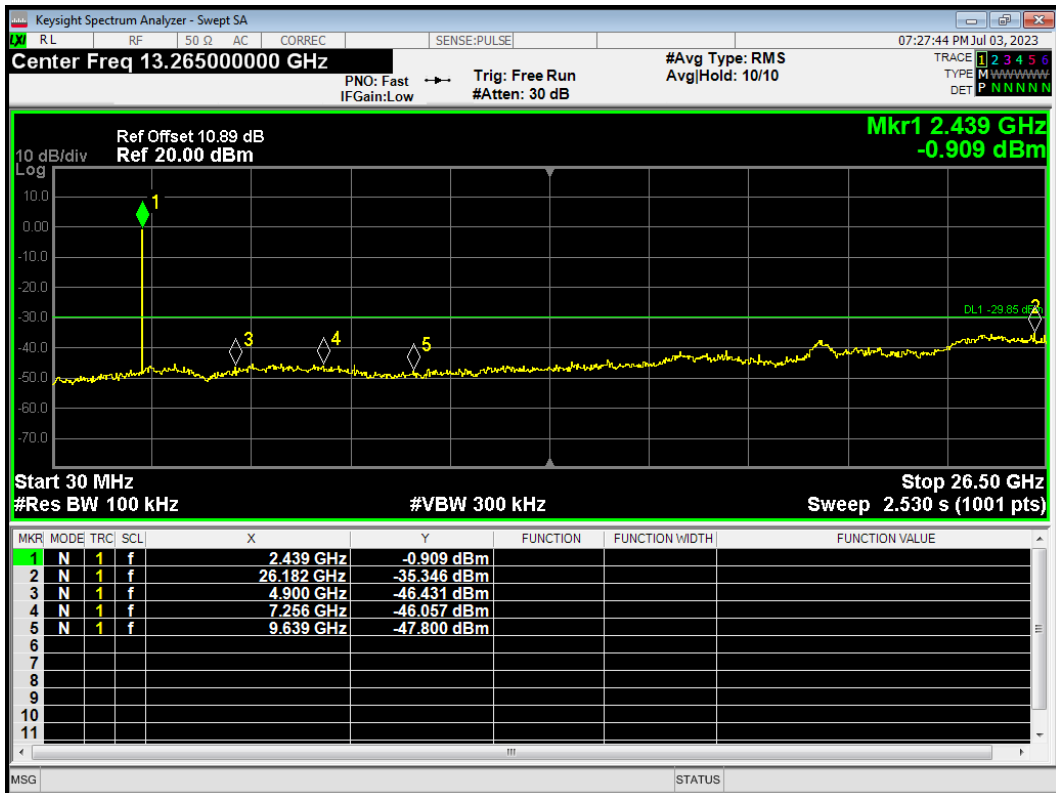
Tx. Spurious BLE (S=8) 2402MHz Emission



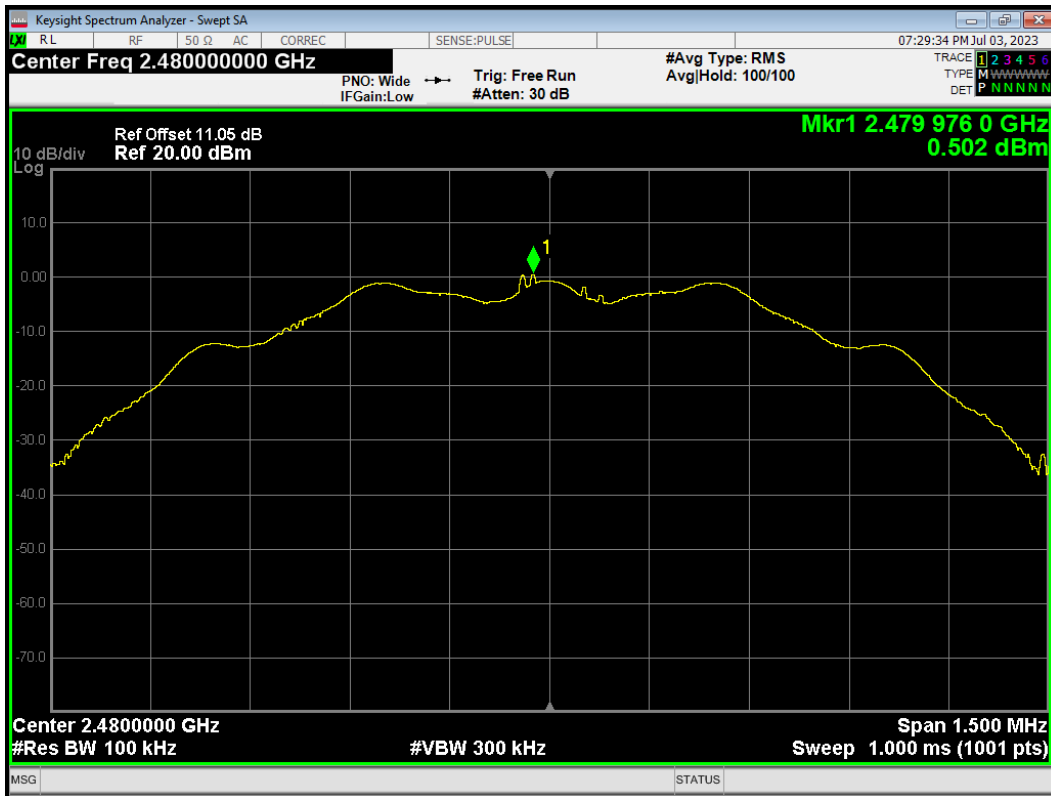
Tx. Spurious BLE (S=8) 2440MHz Ref



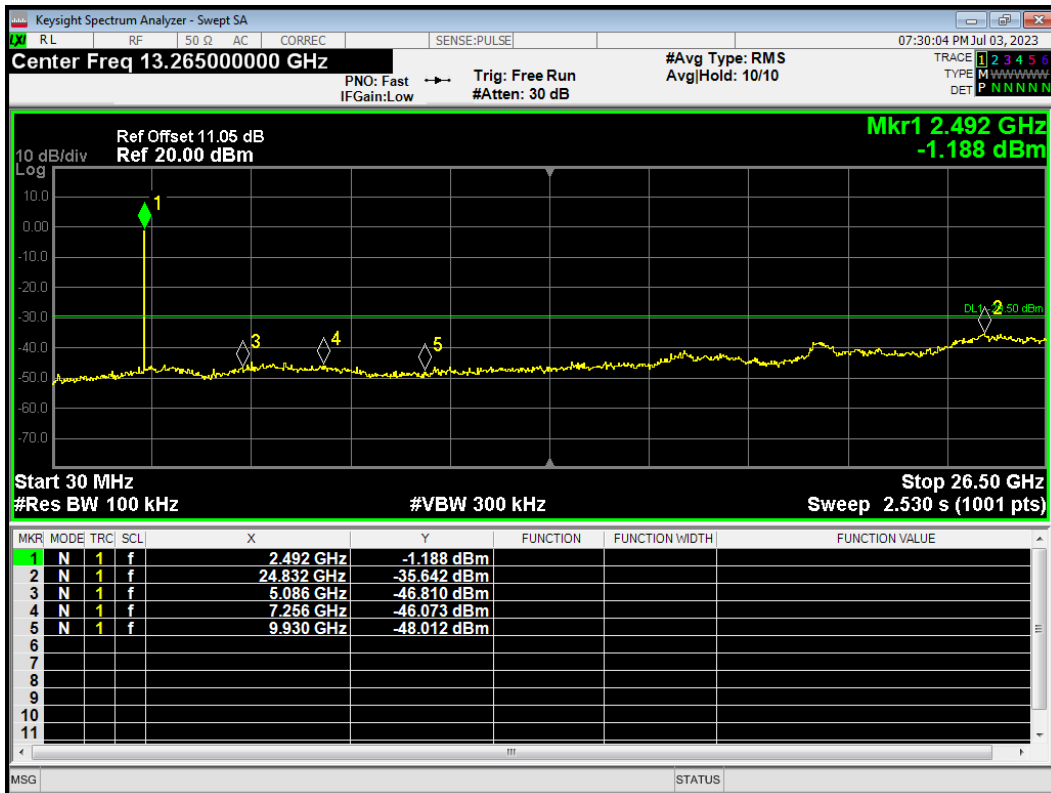
Tx. Spurious BLE (S=8) 2440MHz Emission



Tx. Spurious BLE (S=8) 2480MHz Ref



Tx. Spurious BLE (S=8) 2480MHz Emission



## 5.6. Unwanted Emission

### Ambient Condition

| Temperature | Relative humidity |
|-------------|-------------------|
| 20°C ~ 25°C | 45% ~ 50%         |

### Method of Measurement

The test set-up was made in accordance to the general provisions of ANSI C63.10.

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 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. Sweep the Restricted Band and the emissions less than 20 dB below the permissible value are reported.

The radiated emissions measurements were made in a typical installation configuration.

Sweep the whole frequency band through the range from 9 kHz to the 10th harmonic of the carrier, and the emissions less than 20 dB below the permissible value are reported.

This method refer to ANSI C63.10.

The procedure for peak unwanted emissions measurements above 1000 MHz is as follows:

Set the spectrum analyzer in the following:

9kHz~150 kHz

RBW=200Hz, VBW=1kHz/ Sweep=AUTO

150 kHz~30MHz

RBW=9KHz, VBW=30KHz,/ Sweep=AUTO

Below 1GHz

RBW=100kHz / VBW=300kHz / Sweep=AUTO

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

Above 1GHz

PEAK: RBW=1MHz VBW=3MHz/ Sweep=AUTO

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

Above 1GHz

AVERAGE: RBW=1MHz / VBW=3MHz / Sweep=AUTO

c) Detector: The measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

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.

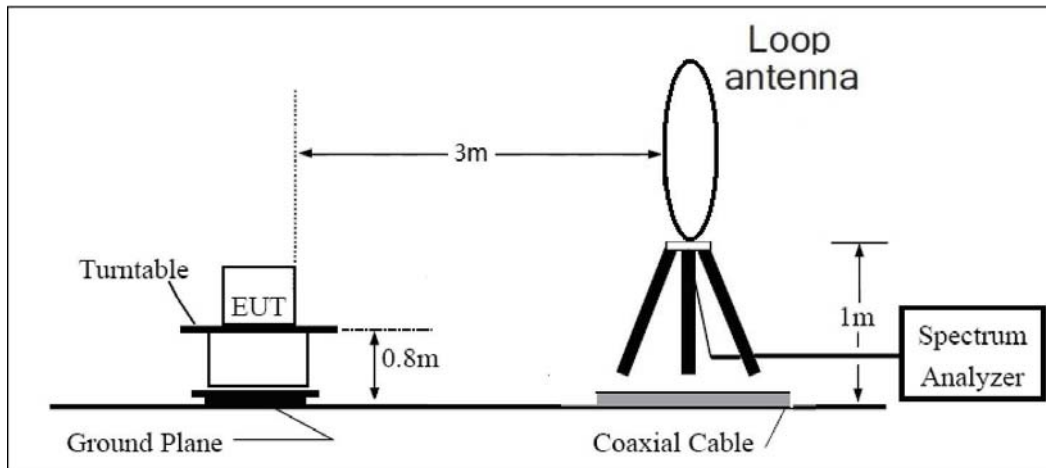
2) If linear voltage averaging mode was used in the preceding step e), then the correction factor is  $[20 \log (1 / D)]$ , where  $D$  is the duty cycle. For example, if the transmit duty cycle was 50%, then 6 dB shall be added to the measured emission levels.

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.

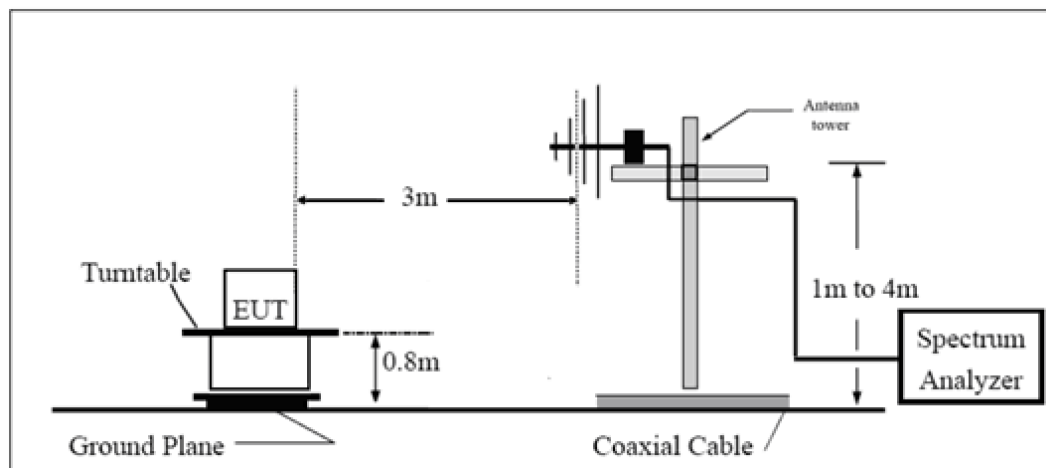
The test is in transmitting mode.

**Test Setup**

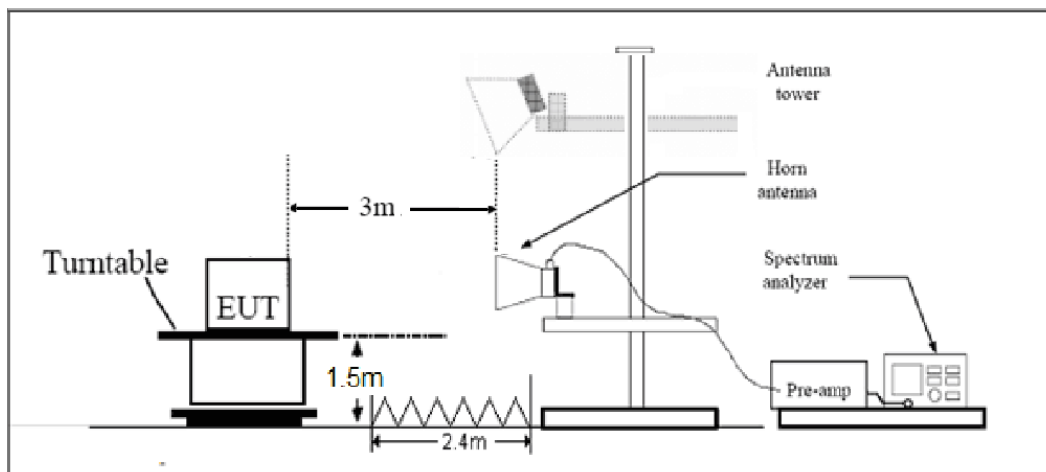
**9KHz~ 30MHz**



**30MHz~ 1GHz**



**Above 1GHz**



Note: Area side:2.4mX3.6m

### Limits

Rule Part 15.247(d) specifies that “In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).”

Limit in restricted band

| Frequency of emission (MHz) | Field strength( $\mu\text{V}/\text{m}$ ) | Field strength( $\text{dB}\mu\text{V}/\text{m}$ ) |
|-----------------------------|--|---|
| 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  |

### §15.35(b)

There is also a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

Peak Limit=74  $\text{dB}\mu\text{V}/\text{m}$

Average Limit=54  $\text{dB}\mu\text{V}/\text{m}$

Spurious Radiated Emissions are permitted in any of the frequency bands listed below:

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

### Measurement Uncertainty

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

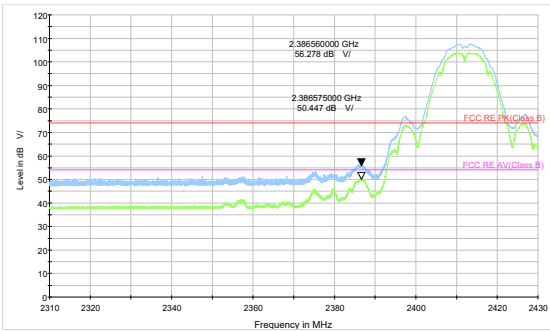
| Frequency     | Uncertainty |
|---------------|-------------|
| 9KHz-30MHz    | 3.55 dB     |
| 30MHz-200MHz  | 4.17 dB     |
| 200MHz-1GHz   | 4.84 dB     |
| 1-18GHz       | 4.35 dB     |
| 18-26.5GHz    | 5.90 dB     |
| 26.5GHz~40GHz | 5.92 dB     |



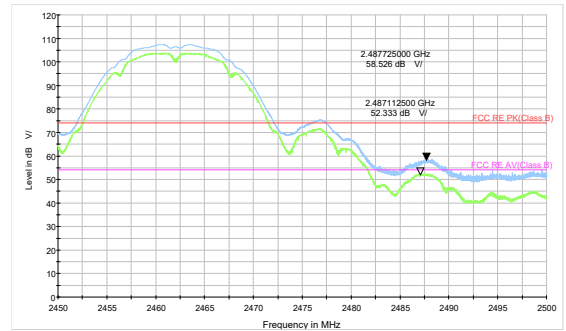
**Test Results:**

A symbol ( $\text{dB}\frac{\text{m}}{\text{m}}$ ) in the test plot below means ( $\text{dB}\mu\text{V}/\text{m}$ )

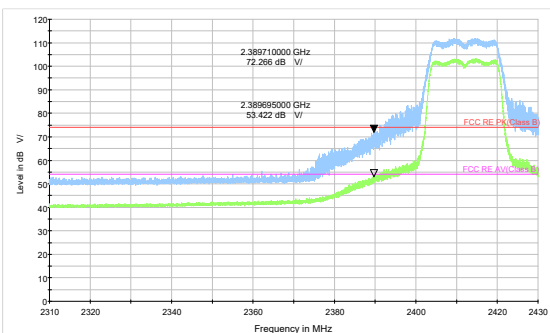
A symbol ( $\text{dB}\frac{\text{V}}{\text{V}}$ ) in the test plot below means ( $\text{dB}\mu\text{V}/\text{m}$ )



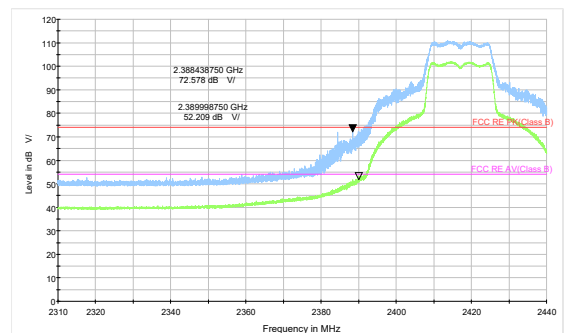
802.11b-Channel 1 Peak+ Average



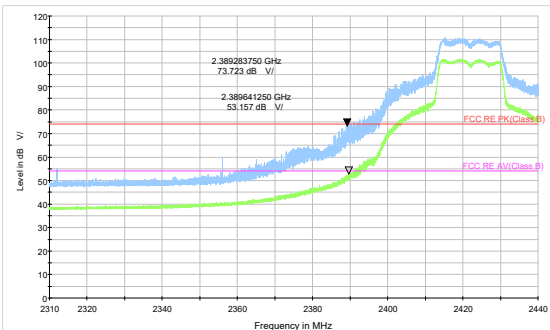
802.11b-Channel 11 Peak+ Average



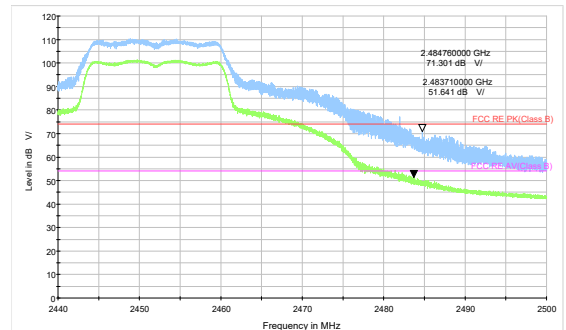
802.11g-Channel 1 Peak+ Average



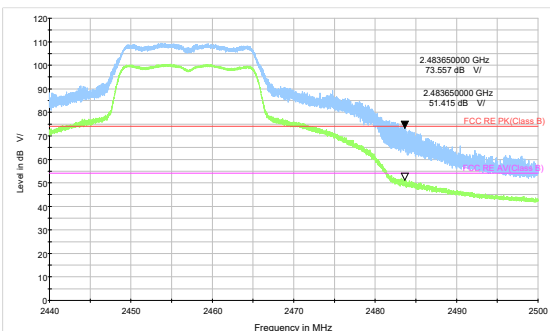
802.11g-Channel 2 Peak+ Average



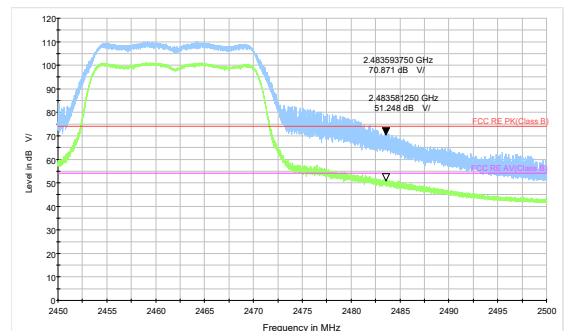
802.11g-Channel 3 Peak+ Average



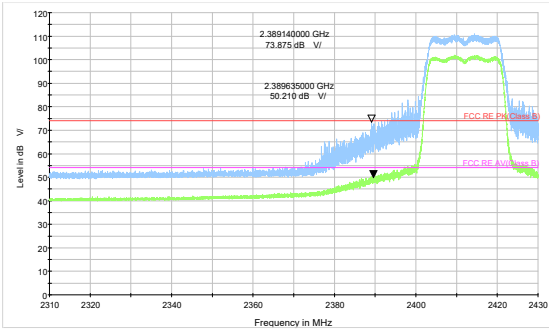
802.11g-Channel 9 Peak+ Average



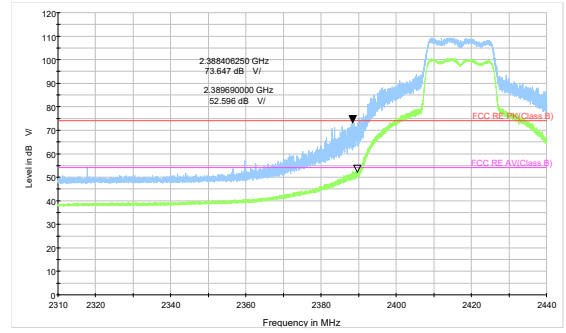
802.11g-Channel 10 Peak+ Average



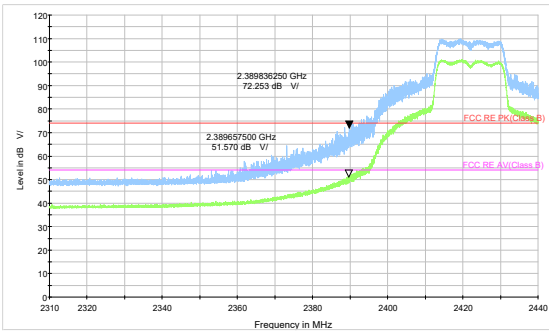
802.11g-Channel 11 Peak+ Average



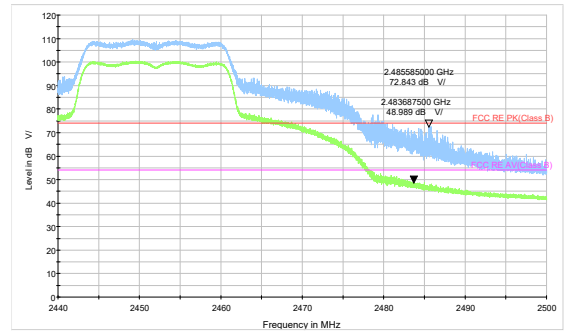
802.11n HT20-Channel 1 Peak+ Average



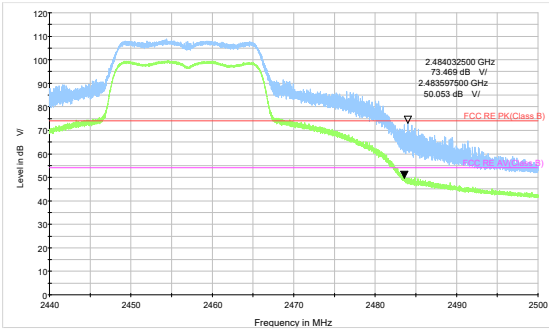
802.11n HT20-Channel 2 Peak+ Average



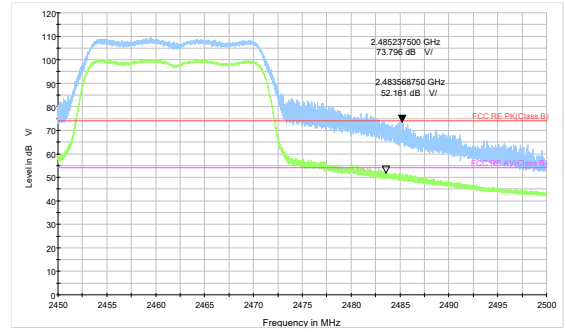
802.11n HT20-Channel 3 Peak+ Average



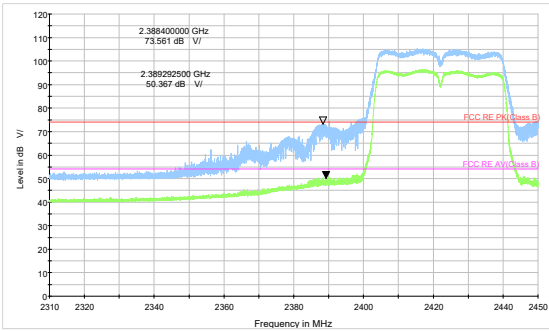
802.11n HT20-Channel 9 Peak+ Average



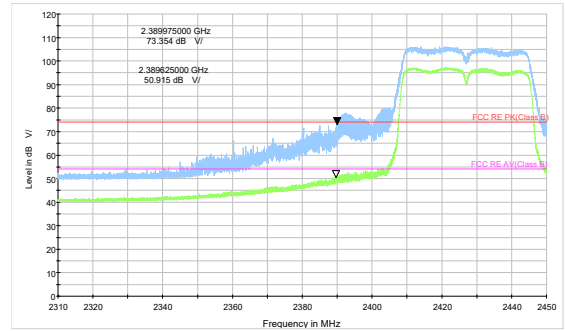
802.11n HT20-Channel 10 Peak+ Average



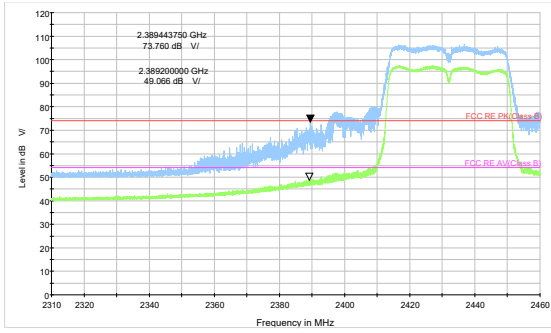
802.11n HT20-Channel 11 Peak+ Average



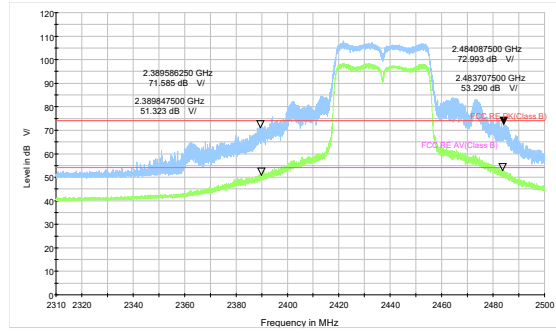
802.11n HT40-Channel 3 Peak+ Average



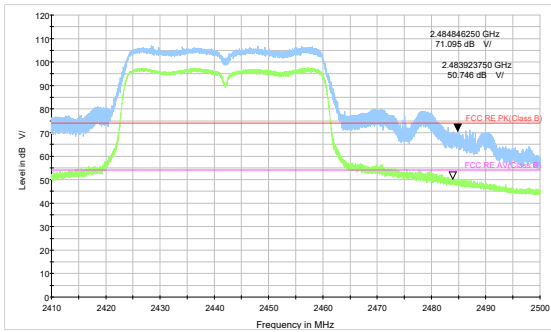
802.11n HT40-Channel 4 Peak+ Average



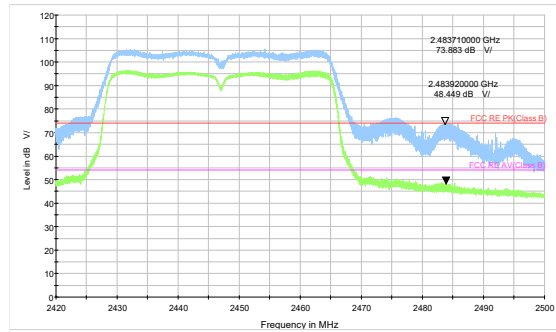
802.11n HT40-Channel 5 Peak+ Average



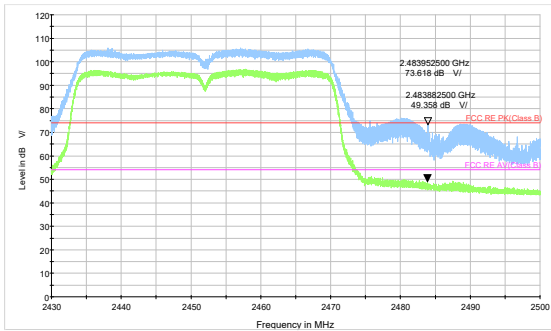
802.11n HT40-Channel 6 Peak+ Average



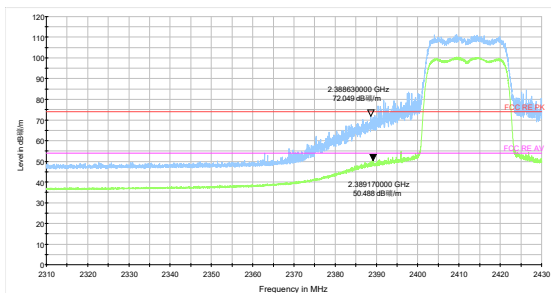
802.11n HT40-Channel 7 Peak+ Average



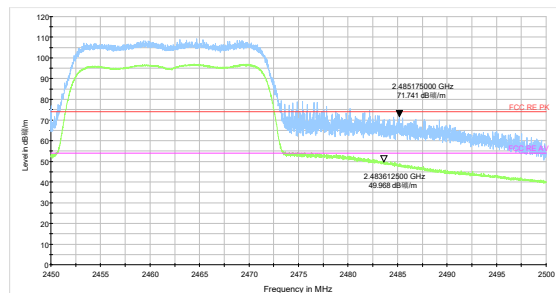
802.11n HT40-Channel 8 Peak+ Average



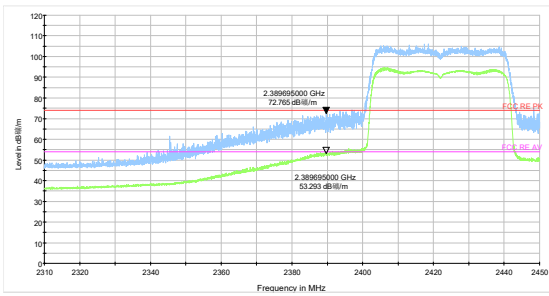
802.11n HT40-Channel 9 Peak+ Average



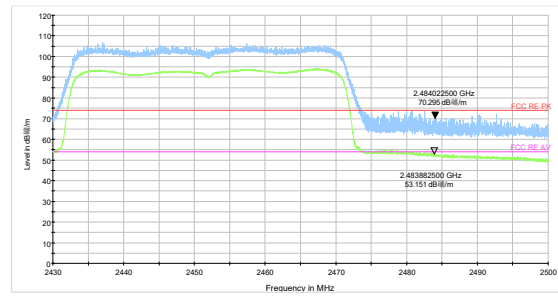
802.11ax HE20-Channel 1 Peak+ Average



802.11ax HE20-Channel 11 Peak+ Average

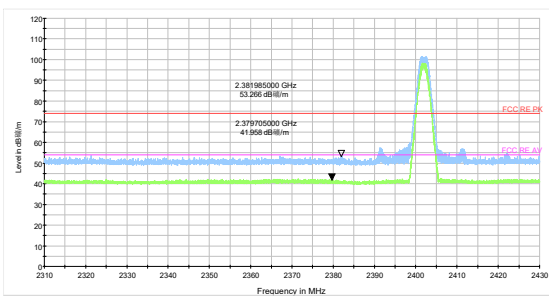


802.11ax HE40-Channel 3 Peak+ Average

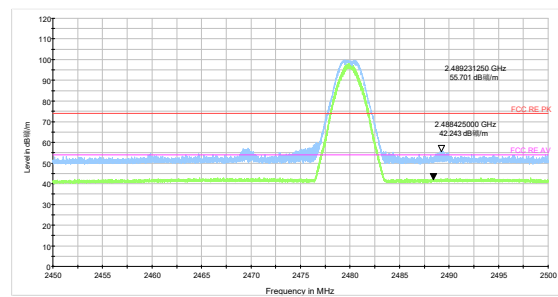


802.11ax HE40-Channel 9 Peak+ Average

Thread

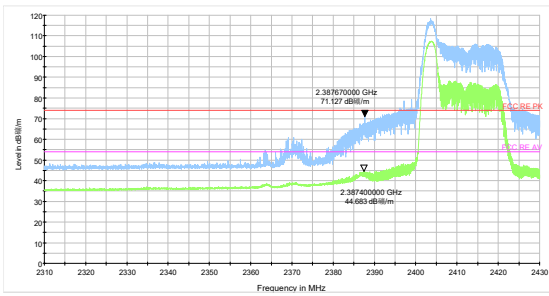


Thread Channel 11 Peak+ Average

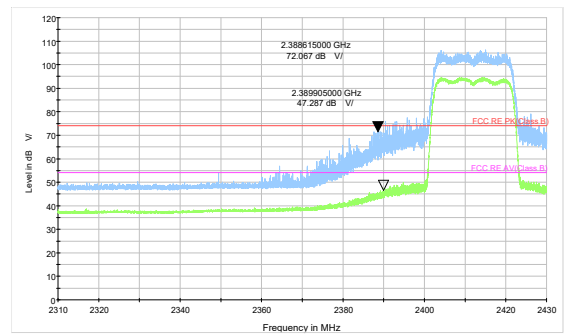


Thread Channel 26 Peak+ Average

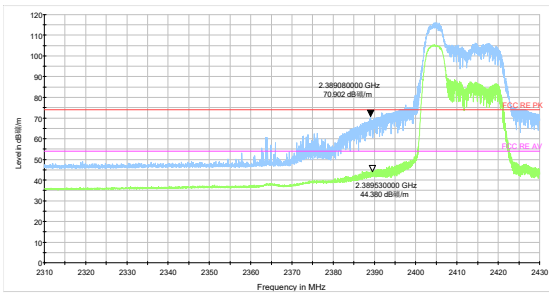
TB Mode



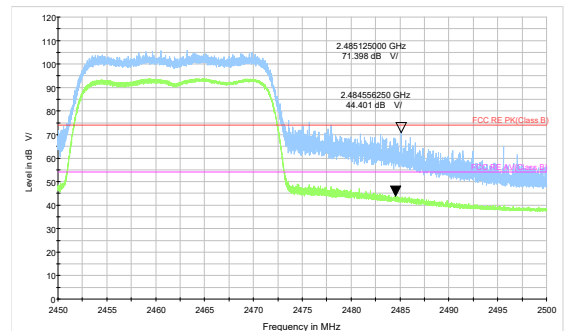
802.11ax HE20 26-Tone-CH1 Peak+ Average



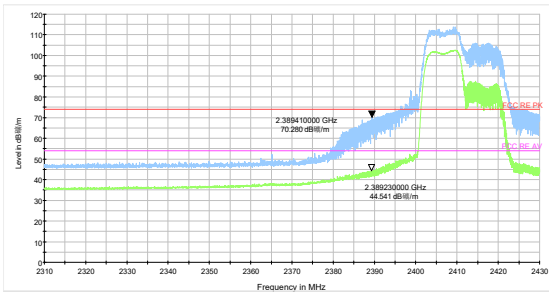
802.11ax HE20 242-Tone-CH1 Peak+ Average



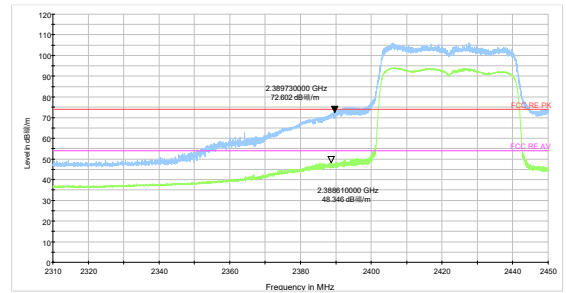
802.11ax HE20 52-Tone-CH1 Peak+ Average



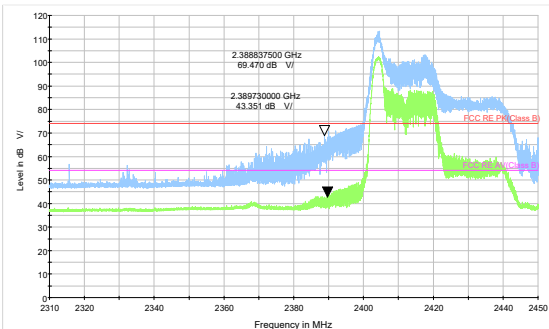
802.11ax HE20 242-Tone-CH11 Peak+ Average



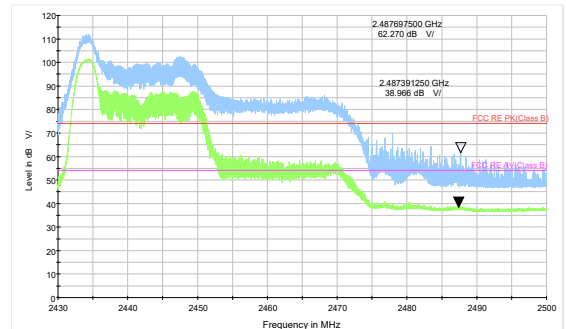
802.11ax HE20 106-Tone-CH1 Peak+ Average



802.11ax HE40 484-Tone-CH3 Peak+ Average

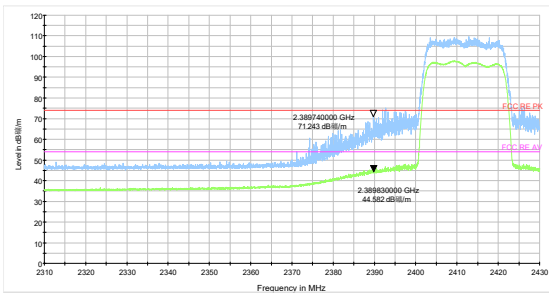


802.11ax HE40 26-Tone-CH3 Peak+ Average

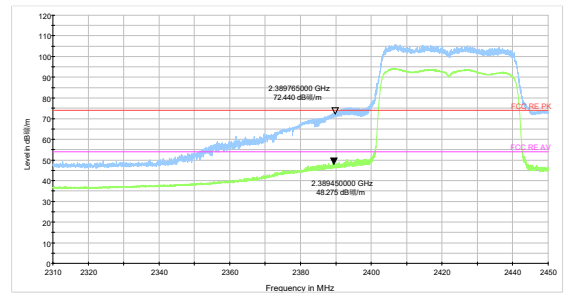


802.11ax HE40 26-Tone-CH9 Peak+ Average

ERSU Mode

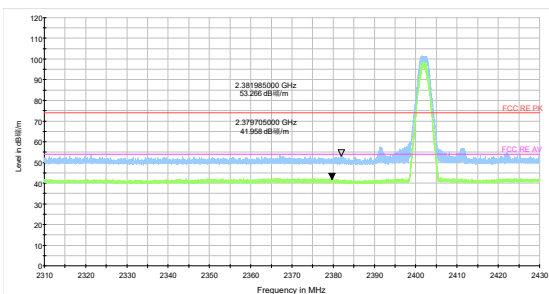


802.11ax HE20 CH1 Peak+ Average

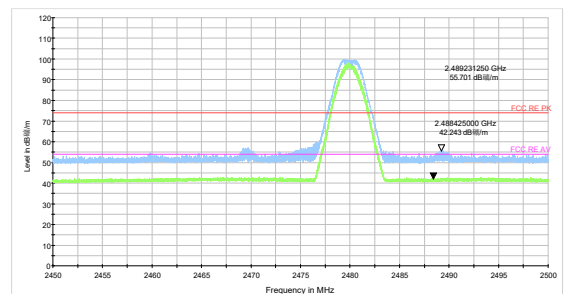


802.11ax HE40 CH3 Peak+ Average

After the pretest, Bluetooth LE (2M) was selected as the worst Mode for Bluetooth LE.



Bluetooth LE (2M) Channel 0 Peak+ Average



Bluetooth LE (2M) Channel 39 Peak+Average

**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 are more than 20dB below the limit are not reported.

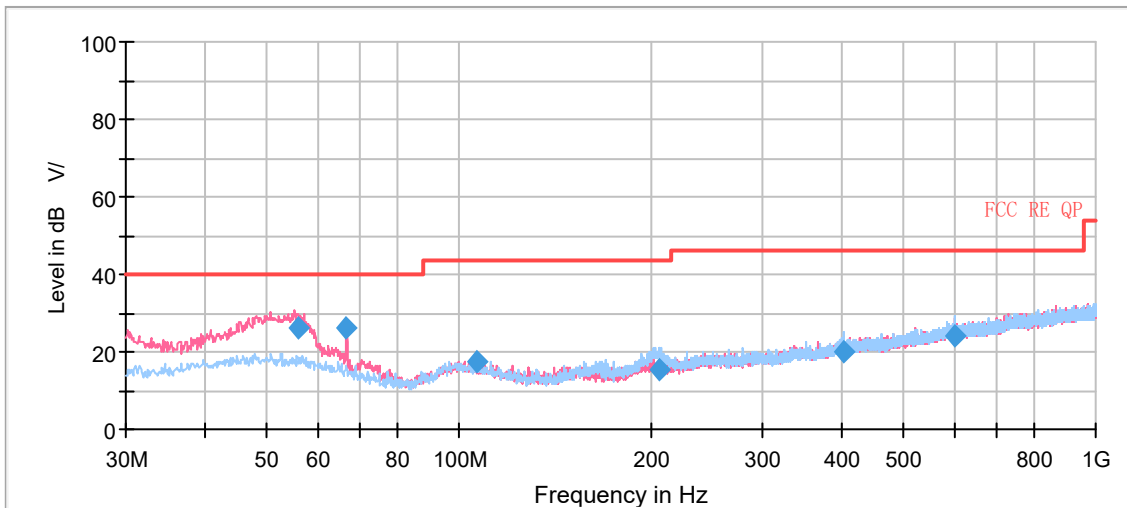
The following graphs display the maximum values of horizontal and vertical by software. For above 1GHz, Blue trace uses the peak detection, Green trace uses the average detection.

**Continuous TX mode:**

**Wi-Fi 2.4G**

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels, 802.11ax HE40, Channel 3 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

A symbol (dB V/) in the test plot below means (dBμV/m)

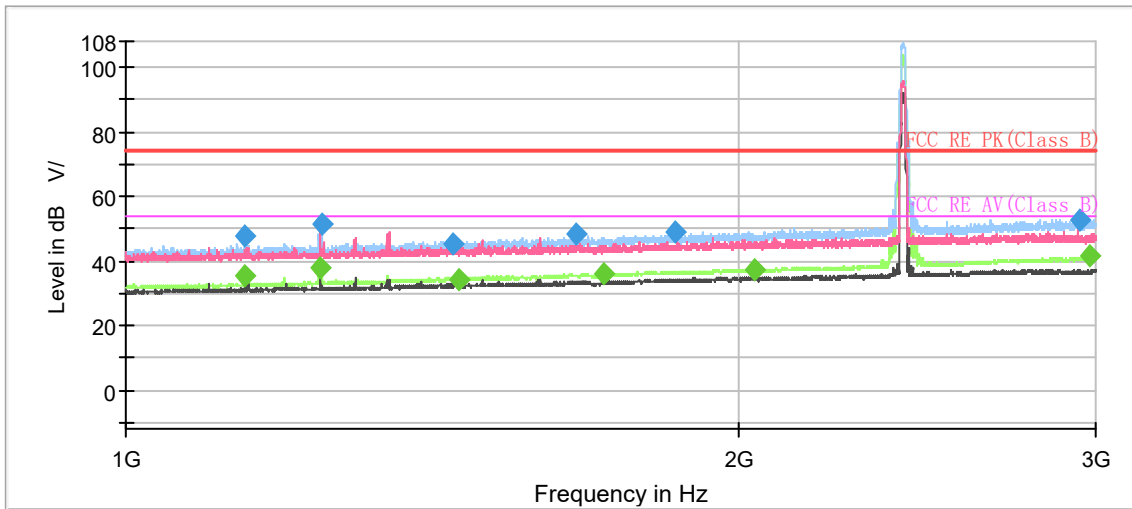


Radiates Emission from 30MHz to 1GHz

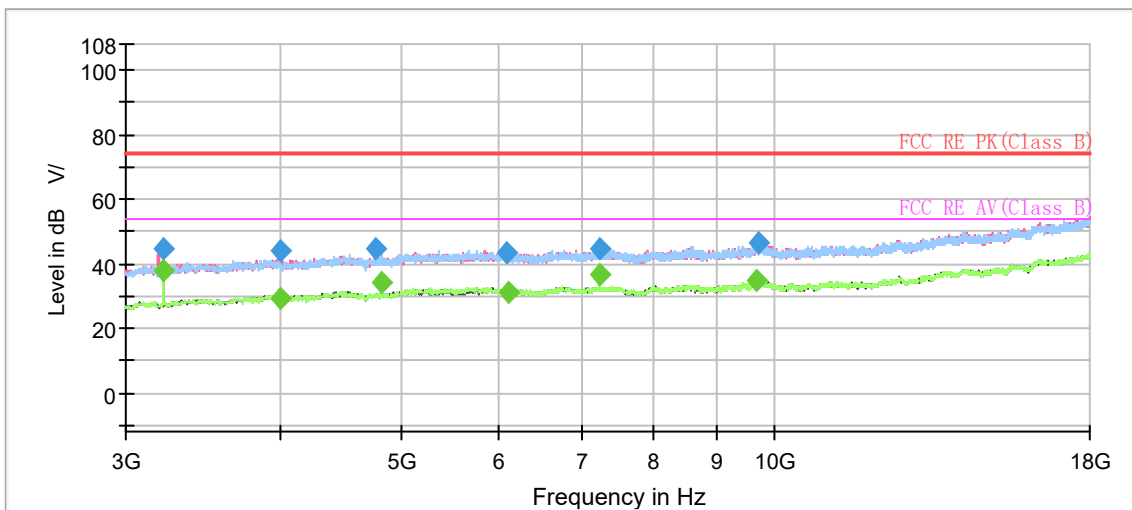
| Frequency (MHz) | Quasi-Peak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------------|----------------|-------------|-------------|--------------|---------------|---------------------|
| 55.861250       | 26.15               | 40.00          | 13.86       | 100.0       | V            | 27.0          | 20.0                |
| 66.657500       | 26.07               | 40.00          | 13.93       | 125.0       | V            | 309.0         | 17.4                |
| 106.432500      | 17.22               | 43.50          | 26.28       | 175.0       | H            | 52.0          | 18.6                |
| 205.853750      | 15.35               | 43.50          | 28.15       | 175.0       | H            | 68.0          | 17.7                |
| 401.031250      | 19.98               | 46.00          | 26.02       | 100.0       | H            | 336.0         | 23.0                |
| 600.036250      | 24.12               | 46.00          | 21.88       | 100.0       | H            | 20.0          | 27.0                |

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

802.11b CH1



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



Radiates Emission from 3GHz to 18GHz

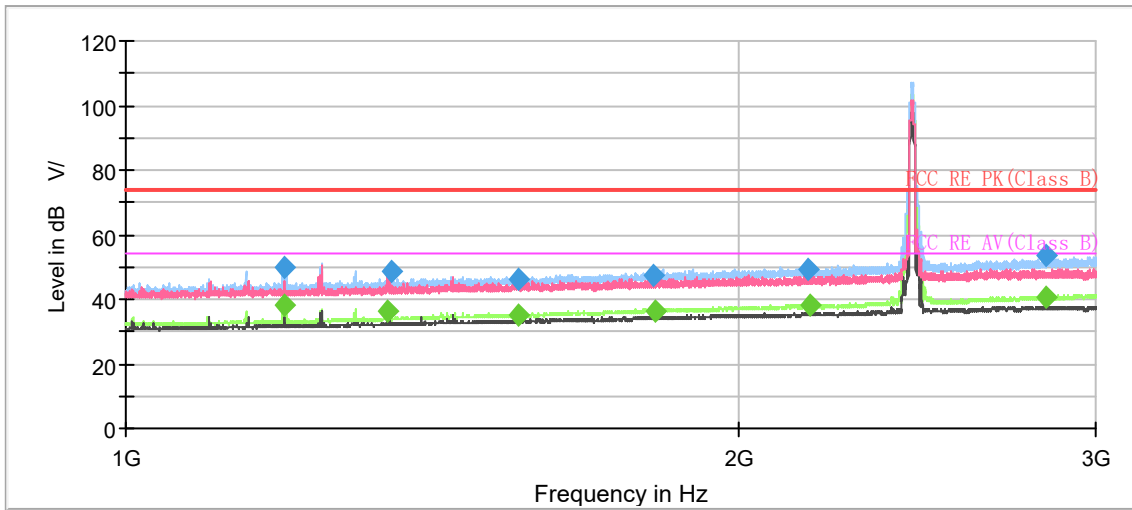


| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1145.500000     | ---                    | 35.67                  | 54.00                | 18.33       | 500.0           | 200.0       | H   | 193.0         | -8.1         |
| 1145.500000     | 47.88                  | ---                    | 74.00                | 26.12       | 500.0           | 200.0       | H   | 193.0         | -8.1         |
| 1245.500000     | ---                    | 37.74                  | 54.00                | 16.26       | 500.0           | 200.0       | V   | 164.0         | -7.5         |
| 1249.500000     | 51.64                  | ---                    | 74.00                | 22.36       | 500.0           | 200.0       | H   | 183.0         | -7.4         |
| 1449.500000     | 45.32                  | ---                    | 74.00                | 28.68       | 500.0           | 200.0       | H   | 152.0         | -6.2         |
| 1458.250000     | ---                    | 34.30                  | 54.00                | 19.70       | 500.0           | 100.0       | H   | 233.0         | -6.1         |
| 1667.000000     | 48.08                  | ---                    | 74.00                | 25.92       | 500.0           | 200.0       | H   | 28.0          | -5.1         |
| 1717.000000     | ---                    | 36.23                  | 54.00                | 17.77       | 500.0           | 200.0       | H   | 134.0         | -4.9         |
| 1865.250000     | 48.99                  | ---                    | 74.00                | 25.01       | 500.0           | 200.0       | H   | 161.0         | -4.1         |
| 2039.750000     | ---                    | 37.49                  | 54.00                | 16.51       | 500.0           | 200.0       | H   | 47.0          | -3.3         |
| 2947.250000     | 52.87                  | ---                    | 74.00                | 21.13       | 500.0           | 100.0       | H   | 229.0         | 0.3          |
| 2977.500000     | ---                    | 41.48                  | 54.00                | 12.52       | 500.0           | 100.0       | H   | 343.0         | 0.4          |

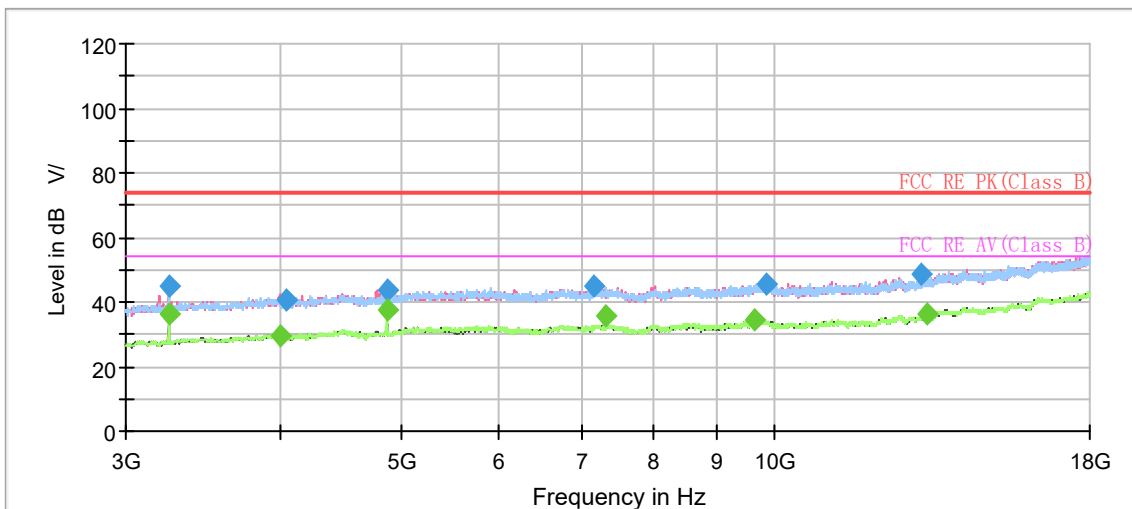
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11b CH6



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



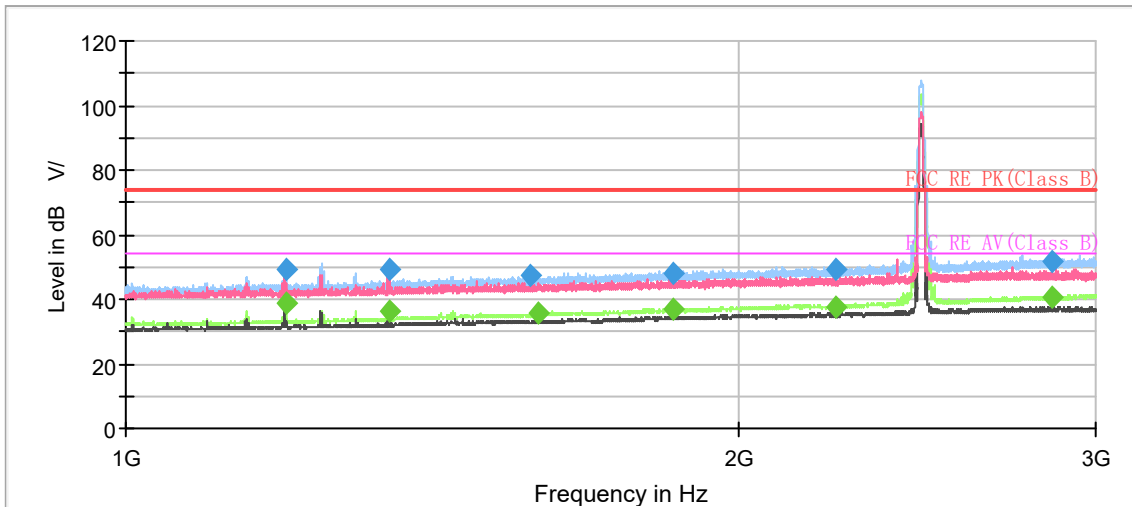
Radiates Emission from 3GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1197.000000     | ---                    | 38.29                  | 54.00                | 15.71       | 500.0           | 100.0       | H   | 94.0          | -7.7         |
| 1197.000000     | 49.76                  | ---                    | 74.00                | 24.24       | 500.0           | 100.0       | H   | 94.0          | -7.7         |
| 1346.250000     | ---                    | 36.61                  | 54.00                | 17.39       | 500.0           | 100.0       | H   | 77.0          | -6.8         |
| 1350.000000     | 48.73                  | ---                    | 74.00                | 25.27       | 500.0           | 200.0       | H   | 64.0          | -6.8         |
| 1560.000000     | ---                    | 35.04                  | 54.00                | 18.96       | 500.0           | 100.0       | H   | 253.0         | -5.7         |
| 1561.000000     | 46.05                  | ---                    | 74.00                | 27.95       | 500.0           | 100.0       | H   | 312.0         | -5.7         |
| 1816.250000     | 47.60                  | ---                    | 74.00                | 26.40       | 500.0           | 100.0       | H   | 99.0          | -4.3         |
| 1822.000000     | ---                    | 36.37                  | 54.00                | 17.63       | 500.0           | 200.0       | H   | 59.0          | -4.3         |
| 2166.500000     | 49.06                  | ---                    | 74.00                | 24.94       | 500.0           | 100.0       | H   | 253.0         | -2.7         |
| 2170.750000     | ---                    | 38.09                  | 54.00                | 15.91       | 500.0           | 200.0       | H   | 77.0          | -2.7         |
| 2833.000000     | 53.25                  | ---                    | 74.00                | 20.75       | 500.0           | 100.0       | H   | 222.0         | 0.1          |
| 2835.250000     | ---                    | 40.62                  | 54.00                | 13.38       | 500.0           | 200.0       | H   | 122.0         | 0.1          |

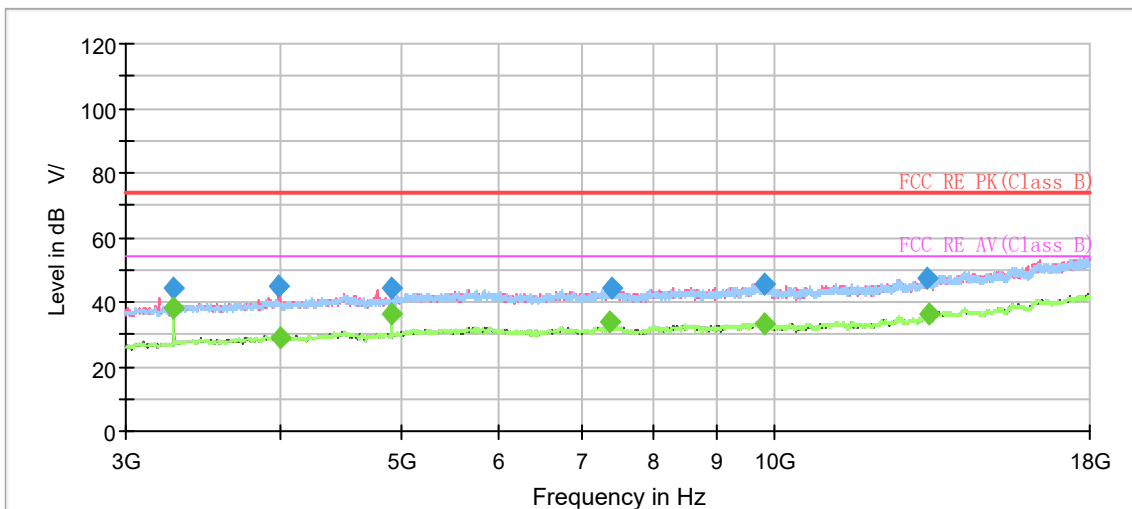
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit - MAX Peak/ Average**

802.11b CH11



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



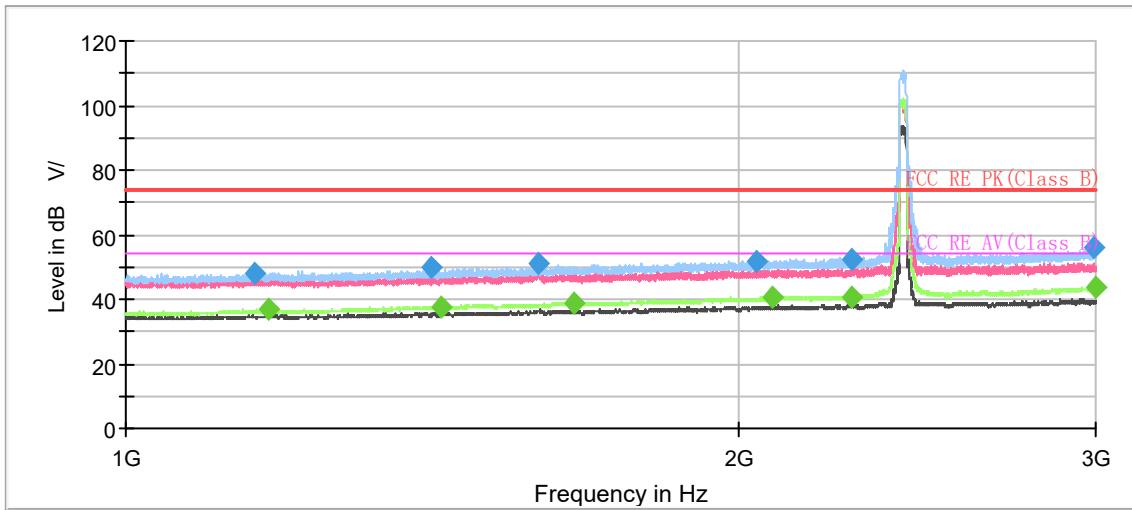
Radiates Emission from 3GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1198.750000     | ---                    | 38.60                  | 54.00                | 15.40       | 500.0           | 200.0       | H   | 90.0          | -7.7         |
| 1198.750000     | 49.37                  | ---                    | 74.00                | 24.63       | 500.0           | 200.0       | H   | 90.0          | -7.7         |
| 1349.000000     | ---                    | 36.36                  | 54.00                | 17.64       | 500.0           | 200.0       | H   | 62.0          | -6.8         |
| 1349.000000     | 49.18                  | ---                    | 74.00                | 24.82       | 500.0           | 200.0       | H   | 62.0          | -6.8         |
| 1582.250000     | 47.34                  | ---                    | 74.00                | 26.66       | 500.0           | 200.0       | H   | 200.0         | -5.6         |
| 1594.500000     | ---                    | 35.92                  | 54.00                | 18.08       | 500.0           | 200.0       | H   | 238.0         | -5.5         |
| 1858.000000     | 48.04                  | ---                    | 74.00                | 25.96       | 500.0           | 100.0       | H   | 121.0         | -4.1         |
| 1859.000000     | ---                    | 36.77                  | 54.00                | 17.23       | 500.0           | 200.0       | H   | 260.0         | -4.1         |
| 2234.000000     | ---                    | 37.83                  | 54.00                | 16.17       | 500.0           | 100.0       | H   | 8.0           | -2.4         |
| 2235.500000     | 49.18                  | ---                    | 74.00                | 24.82       | 500.0           | 200.0       | H   | 131.0         | -2.4         |
| 2852.250000     | 51.68                  | ---                    | 74.00                | 22.32       | 500.0           | 200.0       | H   | 265.0         | 0.2          |
| 2858.250000     | ---                    | 40.78                  | 54.00                | 13.22       | 500.0           | 200.0       | H   | 72.0          | 0.2          |

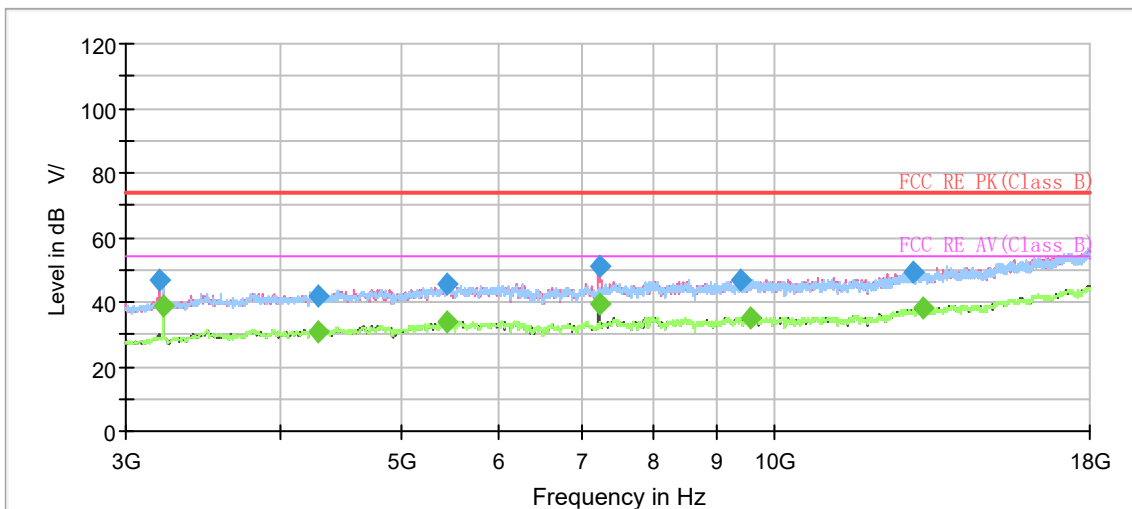
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11g CH1



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



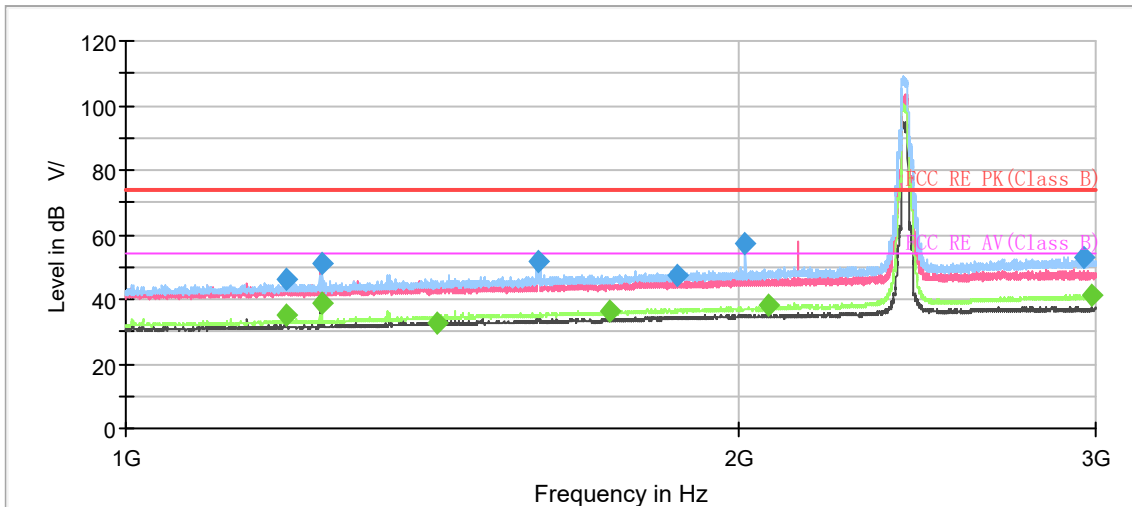
Radiates Emission from 3GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1156.750000     | 48.04                  | ---                    | 74.00                | 25.96       | 500.0           | 200.0       | H   | 339.0         | 4.2          |
| 1176.500000     | ---                    | 36.87                  | 54.00                | 17.13       | 500.0           | 100.0       | H   | 98.0          | 4.3          |
| 1412.250000     | 49.65                  | ---                    | 74.00                | 24.35       | 500.0           | 100.0       | H   | 176.0         | 5.9          |
| 1428.750000     | ---                    | 37.63                  | 54.00                | 16.37       | 500.0           | 200.0       | H   | 158.0         | 5.9          |
| 1597.250000     | 51.06                  | ---                    | 74.00                | 22.94       | 500.0           | 200.0       | H   | 90.0          | 6.8          |
| 1660.250000     | ---                    | 39.06                  | 54.00                | 14.94       | 500.0           | 100.0       | H   | 52.0          | 7.0          |
| 2041.750000     | 51.93                  | ---                    | 74.00                | 22.07       | 500.0           | 200.0       | H   | 136.0         | 8.8          |
| 2078.250000     | ---                    | 40.64                  | 54.00                | 13.36       | 500.0           | 200.0       | H   | 263.0         | 8.9          |
| 2274.250000     | ---                    | 40.88                  | 54.00                | 13.12       | 500.0           | 100.0       | H   | 80.0          | 9.6          |
| 2275.250000     | 52.13                  | ---                    | 74.00                | 21.87       | 500.0           | 100.0       | H   | 148.0         | 9.6          |
| 2990.250000     | 55.89                  | ---                    | 74.00                | 18.11       | 500.0           | 200.0       | H   | 275.0         | 11.6         |
| 2999.750000     | ---                    | 43.87                  | 54.00                | 10.13       | 500.0           | 100.0       | H   | 7.0           | 11.7         |

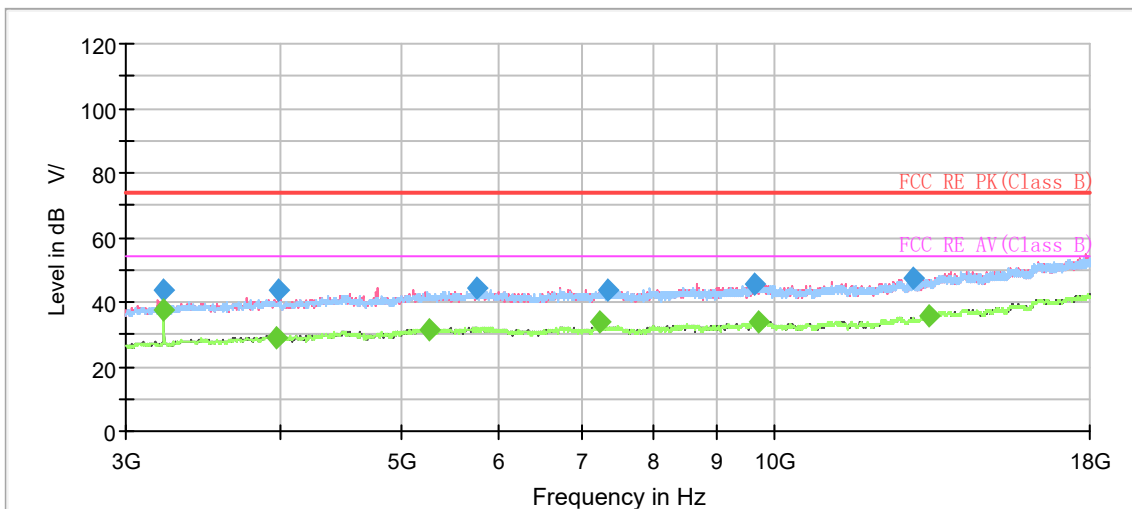
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11g CH2



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



Radiates Emission from 3GHz to 18GHz

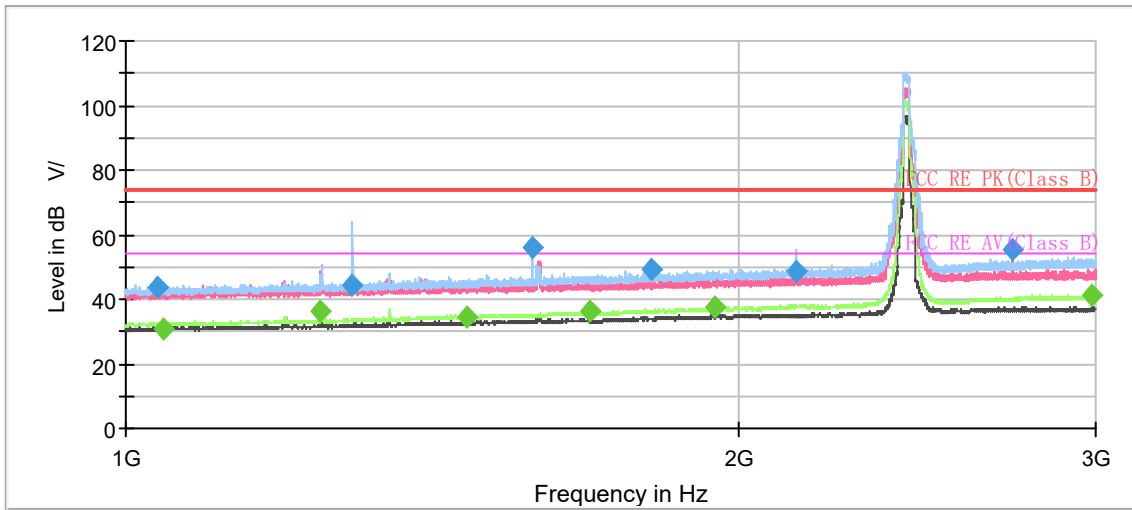


| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1199.000000     | ---                    | 34.99                  | 54.00                | 19.01       | 500.0           | 200.0       | H   | 356.0         | -7.7         |
| 1199.000000     | 46.31                  | ---                    | 74.00                | 27.69       | 500.0           | 200.0       | H   | 356.0         | -7.7         |
| 1249.250000     | ---                    | 39.02                  | 54.00                | 14.98       | 500.0           | 100.0       | H   | 347.0         | -7.4         |
| 1249.250000     | 51.27                  | ---                    | 74.00                | 22.73       | 500.0           | 100.0       | H   | 347.0         | -7.4         |
| 1424.500000     | ---                    | 32.37                  | 54.00                | 21.63       | 500.0           | 200.0       | V   | 10.0          | -6.3         |
| 1594.250000     | 51.90                  | ---                    | 74.00                | 22.10       | 500.0           | 100.0       | V   | 64.0          | -5.5         |
| 1731.250000     | ---                    | 36.23                  | 54.00                | 17.77       | 500.0           | 100.0       | H   | 58.0          | -4.8         |
| 1866.000000     | 47.58                  | ---                    | 74.00                | 26.42       | 500.0           | 200.0       | H   | 346.0         | -4.1         |
| 2017.750000     | 57.52                  | ---                    | 74.00                | 16.48       | 500.0           | 200.0       | H   | 0.0           | -3.4         |
| 2072.000000     | ---                    | 38.24                  | 54.00                | 15.76       | 500.0           | 100.0       | H   | 122.0         | -3.1         |
| 2958.750000     | 52.90                  | ---                    | 74.00                | 21.10       | 500.0           | 100.0       | H   | 11.0          | 0.4          |
| 2983.750000     | ---                    | 41.26                  | 54.00                | 12.74       | 500.0           | 100.0       | H   | 44.0          | 0.4          |

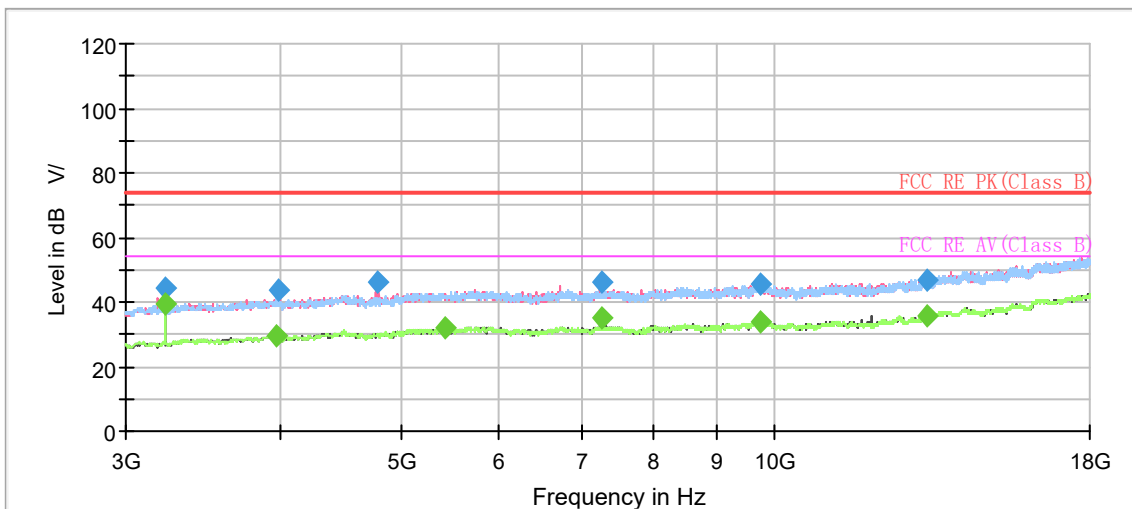
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11g CH3



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



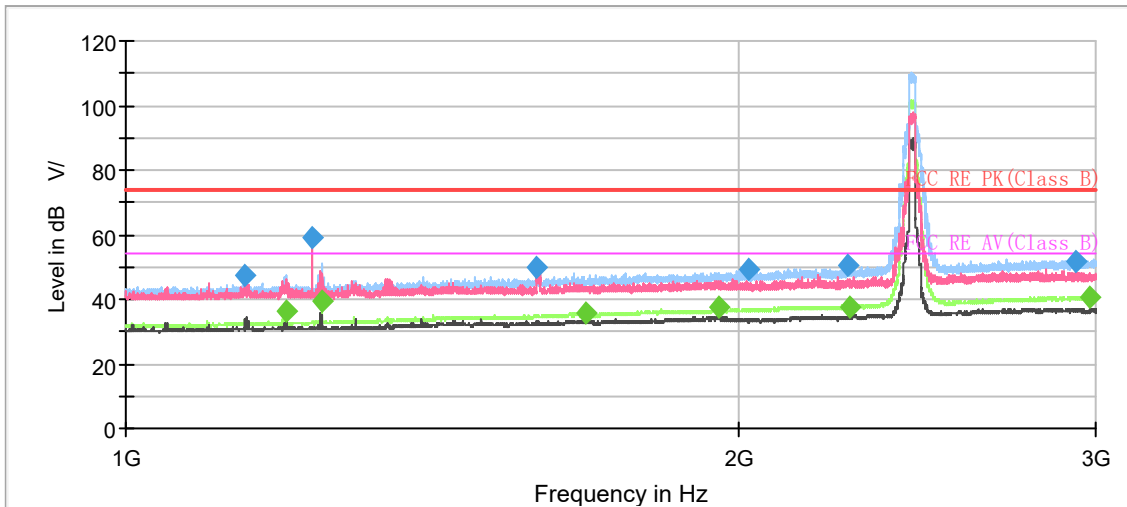
Radiates Emission from 3GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1037.250000     | 43.57                  | ---                    | 74.00                | 30.43       | 500.0           | 100.0       | H   | 218.0         | -8.8         |
| 1042.750000     | ---                    | 30.77                  | 54.00                | 23.23       | 500.0           | 100.0       | V   | 267.0         | -8.8         |
| 1246.500000     | ---                    | 36.33                  | 54.00                | 17.67       | 500.0           | 200.0       | H   | 0.0           | -7.5         |
| 1292.750000     | 44.60                  | ---                    | 74.00                | 29.40       | 500.0           | 100.0       | H   | 176.0         | -7.2         |
| 1470.500000     | ---                    | 34.53                  | 54.00                | 19.47       | 500.0           | 100.0       | H   | 0.0           | -6.1         |
| 1584.250000     | 55.92                  | ---                    | 74.00                | 18.08       | 500.0           | 200.0       | H   | 0.0           | -5.6         |
| 1693.500000     | ---                    | 36.21                  | 54.00                | 17.79       | 500.0           | 200.0       | H   | 345.0         | -5.0         |
| 1813.750000     | 49.21                  | ---                    | 74.00                | 24.79       | 500.0           | 200.0       | H   | 354.0         | -4.4         |
| 1947.750000     | ---                    | 37.56                  | 54.00                | 16.44       | 500.0           | 100.0       | H   | 12.0          | -3.7         |
| 2136.500000     | 48.39                  | ---                    | 74.00                | 25.61       | 500.0           | 100.0       | H   | 72.0          | -2.8         |
| 2730.750000     | 55.43                  | ---                    | 74.00                | 18.57       | 500.0           | 100.0       | V   | 276.0         | -0.1         |
| 2985.500000     | ---                    | 41.49                  | 54.00                | 12.51       | 500.0           | 100.0       | H   | 39.0          | 0.4          |

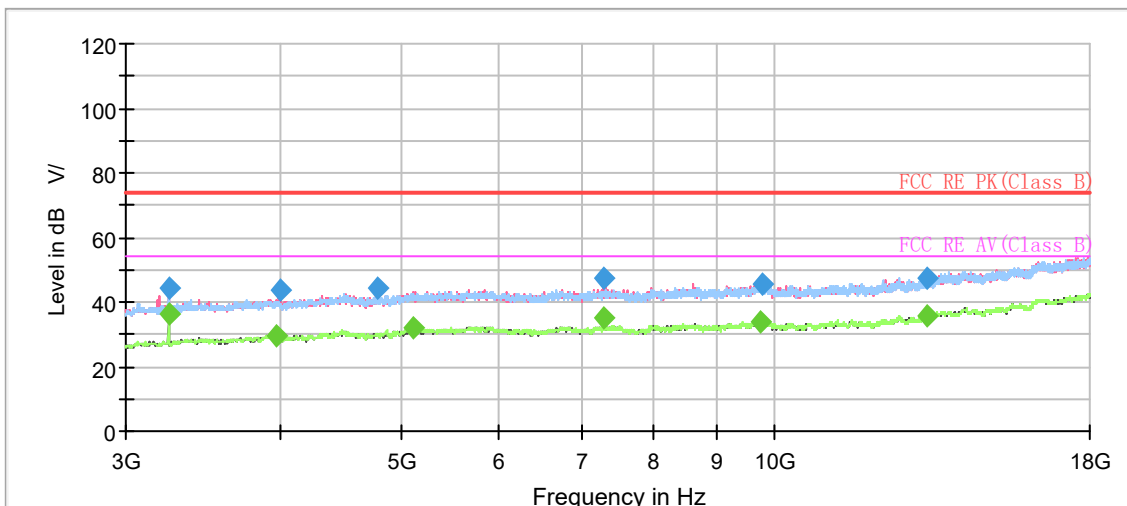
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit - MAX Peak/ Average**

802.11g CH6



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



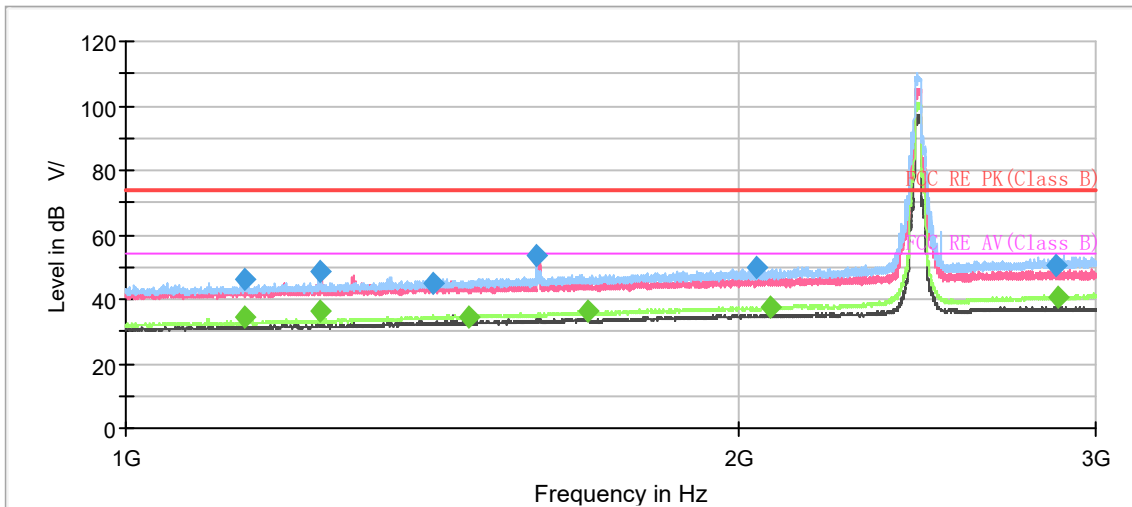
Radiates Emission from 3GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1144.500000     | 47.47                  | ---                    | 74.00                | 26.53       | 500.0           | 200.0       | V   | 147.0         | -8.1         |
| 1198.500000     | ---                    | 36.12                  | 54.00                | 17.88       | 500.0           | 100.0       | H   | 157.0         | -7.7         |
| 1236.250000     | 58.94                  | ---                    | 74.00                | 15.06       | 500.0           | 200.0       | V   | 35.0          | -7.5         |
| 1249.250000     | ---                    | 39.27                  | 54.00                | 14.73       | 500.0           | 100.0       | H   | 216.0         | -7.4         |
| 1592.750000     | 50.00                  | ---                    | 74.00                | 24.00       | 500.0           | 200.0       | V   | 142.0         | -5.5         |
| 1682.750000     | ---                    | 35.72                  | 54.00                | 18.28       | 500.0           | 100.0       | H   | 335.0         | -5.0         |
| 1955.750000     | ---                    | 37.29                  | 54.00                | 16.71       | 500.0           | 200.0       | H   | 23.0          | -3.7         |
| 2026.000000     | 49.13                  | ---                    | 74.00                | 24.87       | 500.0           | 100.0       | H   | 313.0         | -3.3         |
| 2265.500000     | 50.20                  | ---                    | 74.00                | 23.80       | 500.0           | 100.0       | H   | 243.0         | -2.3         |
| 2271.250000     | ---                    | 37.79                  | 54.00                | 16.21       | 500.0           | 100.0       | H   | 299.0         | -2.3         |
| 2932.500000     | 51.78                  | ---                    | 74.00                | 22.22       | 500.0           | 200.0       | H   | 23.0          | 0.3          |
| 2981.750000     | ---                    | 40.90                  | 54.00                | 13.10       | 500.0           | 200.0       | H   | 133.0         | 0.4          |

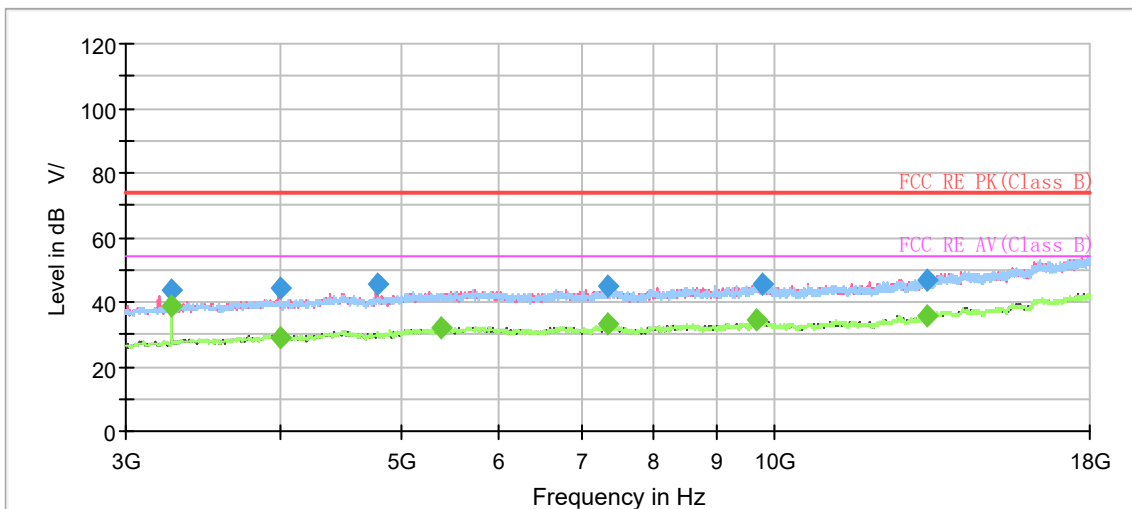
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11g CH9



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



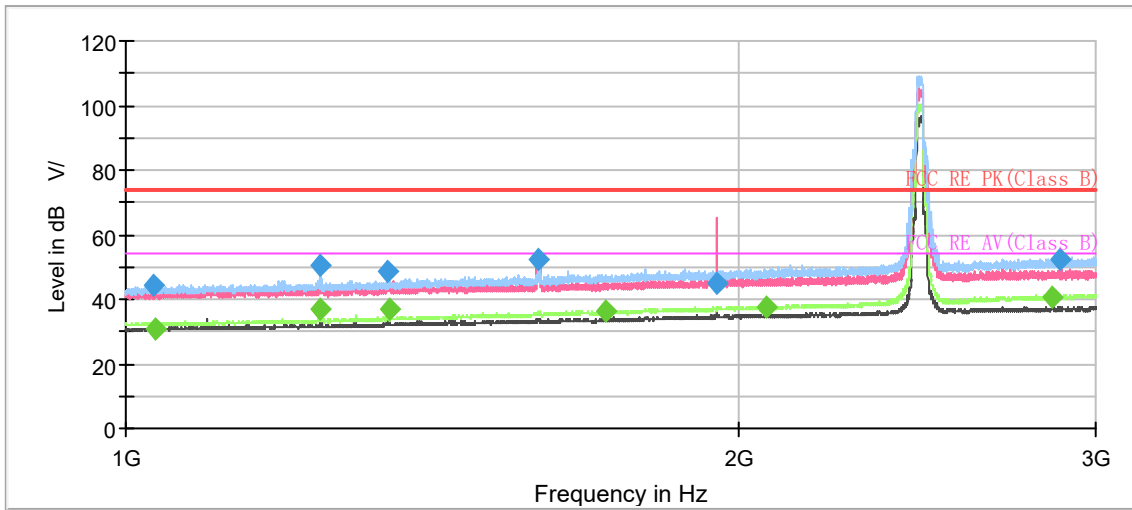
Radiates Emission from 3GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1145.250000     | 45.98                  | ---                    | 74.00                | 28.02       | 500.0           | 200.0       | V   | 177.0         | -8.1         |
| 1145.500000     | ---                    | 34.28                  | 54.00                | 19.72       | 500.0           | 100.0       | V   | 290.0         | -8.1         |
| 1245.750000     | ---                    | 36.46                  | 54.00                | 17.54       | 500.0           | 200.0       | H   | 185.0         | -7.5         |
| 1245.750000     | 48.84                  | ---                    | 74.00                | 25.16       | 500.0           | 200.0       | H   | 185.0         | -7.5         |
| 1417.500000     | 44.72                  | ---                    | 74.00                | 29.28       | 500.0           | 100.0       | H   | 83.0          | -6.4         |
| 1476.250000     | ---                    | 34.45                  | 54.00                | 19.55       | 500.0           | 200.0       | H   | 344.0         | -6.1         |
| 1592.000000     | 53.28                  | ---                    | 74.00                | 20.72       | 500.0           | 200.0       | H   | 355.0         | -5.5         |
| 1689.750000     | ---                    | 36.22                  | 54.00                | 17.78       | 500.0           | 100.0       | H   | 2.0           | -5.0         |
| 2041.250000     | 49.58                  | ---                    | 74.00                | 24.42       | 500.0           | 100.0       | H   | 6.0           | -3.3         |
| 2075.500000     | ---                    | 37.76                  | 54.00                | 16.24       | 500.0           | 100.0       | H   | 170.0         | -3.1         |
| 2870.750000     | 50.72                  | ---                    | 74.00                | 23.28       | 500.0           | 100.0       | H   | 160.0         | 0.2          |
| 2873.000000     | ---                    | 40.66                  | 54.00                | 13.34       | 500.0           | 100.0       | H   | 2.0           | 0.2          |

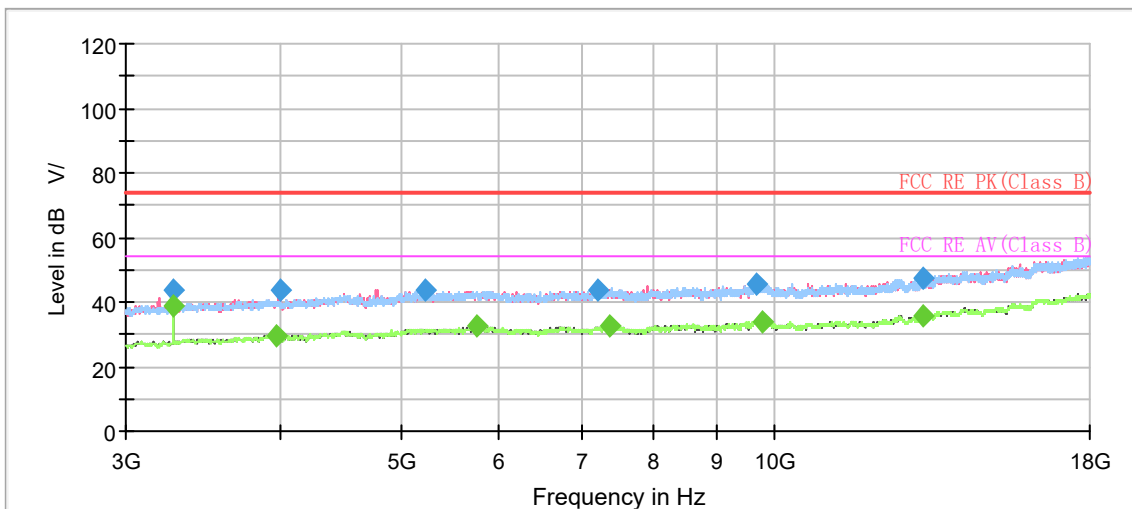
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11g CH10



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



Radiates Emission from 3GHz to 18GHz

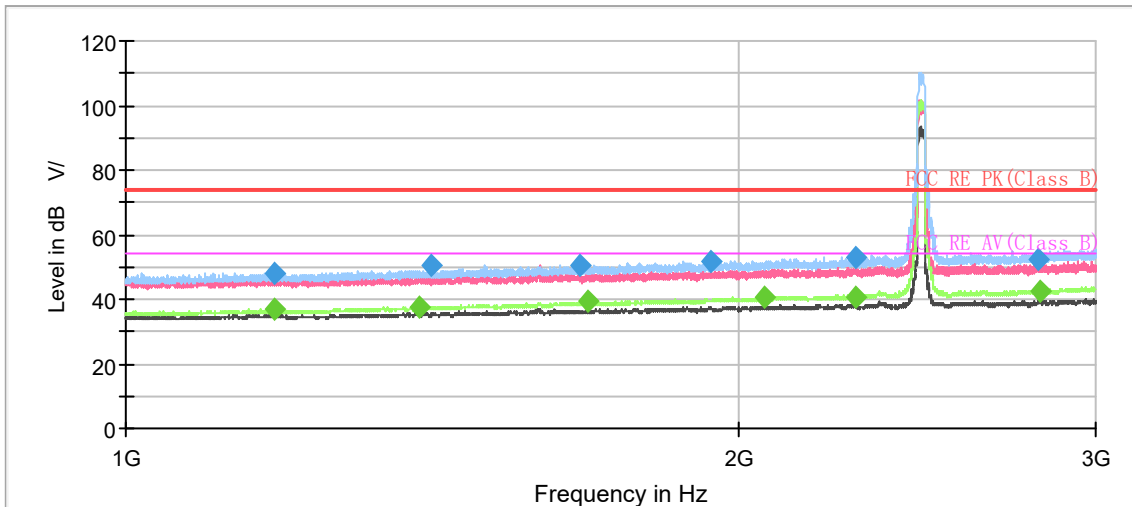


| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1032.750000     | 44.27                  | ---                    | 74.00                | 29.73       | 500.0           | 100.0       | H   | 48.0          | -8.8         |
| 1035.000000     | ---                    | 31.01                  | 54.00                | 22.99       | 500.0           | 200.0       | V   | 352.0         | -8.8         |
| 1247.250000     | ---                    | 36.75                  | 54.00                | 17.25       | 500.0           | 200.0       | H   | 215.0         | -7.5         |
| 1247.250000     | 50.54                  | ---                    | 74.00                | 23.46       | 500.0           | 200.0       | H   | 215.0         | -7.5         |
| 1344.250000     | 48.45                  | ---                    | 74.00                | 25.55       | 500.0           | 200.0       | H   | 343.0         | -6.8         |
| 1348.750000     | ---                    | 37.17                  | 54.00                | 16.83       | 500.0           | 200.0       | H   | 224.0         | -6.8         |
| 1597.250000     | 52.29                  | ---                    | 74.00                | 21.71       | 500.0           | 200.0       | V   | 139.0         | -5.5         |
| 1720.750000     | ---                    | 36.34                  | 54.00                | 17.66       | 500.0           | 200.0       | H   | 24.0          | -4.8         |
| 1954.250000     | 44.84                  | ---                    | 74.00                | 29.16       | 500.0           | 100.0       | V   | 154.0         | -3.7         |
| 2065.000000     | ---                    | 37.63                  | 54.00                | 16.37       | 500.0           | 100.0       | H   | 159.0         | -3.2         |
| 2858.000000     | ---                    | 40.68                  | 54.00                | 13.32       | 500.0           | 200.0       | H   | 29.0          | 0.2          |
| 2879.500000     | 52.34                  | ---                    | 74.00                | 21.66       | 500.0           | 100.0       | H   | 247.0         | 0.2          |

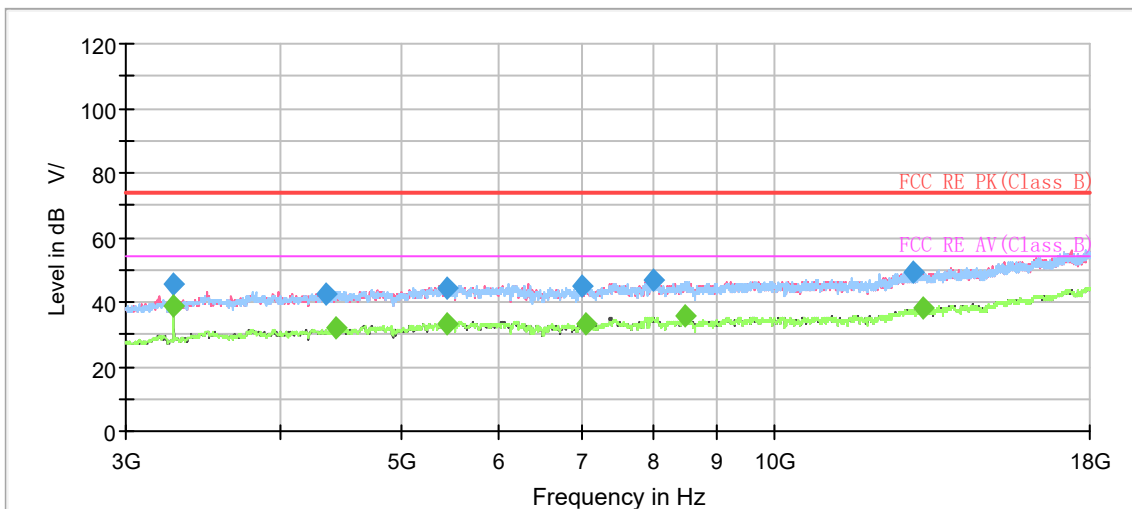
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit - MAX Peak/ Average**

802.11g CH11



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



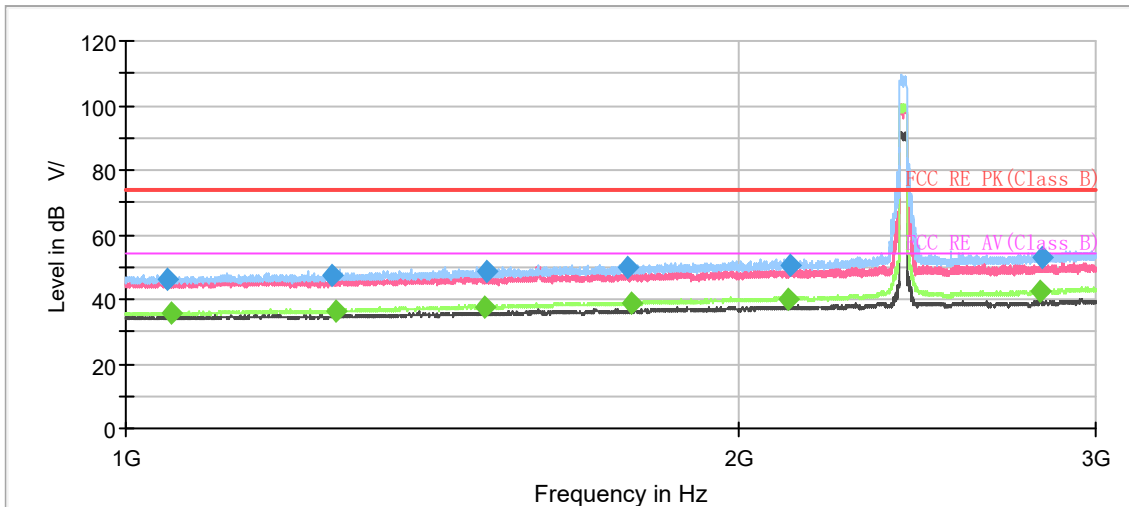
Radiates Emission from 3GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1182.250000     | ---                    | 36.65                  | 54.00                | 17.35       | 500.0           | 200.0       | H   | 266.0         | 4.4          |
| 1184.000000     | 48.30                  | ---                    | 74.00                | 25.70       | 500.0           | 200.0       | H   | 271.0         | 4.5          |
| 1393.250000     | ---                    | 37.64                  | 54.00                | 16.36       | 500.0           | 200.0       | H   | 0.0           | 5.6          |
| 1413.750000     | 50.47                  | ---                    | 74.00                | 23.53       | 500.0           | 200.0       | H   | 211.0         | 5.9          |
| 1672.000000     | 50.74                  | ---                    | 74.00                | 23.26       | 500.0           | 100.0       | H   | 28.0          | 7.0          |
| 1689.000000     | ---                    | 39.18                  | 54.00                | 14.82       | 500.0           | 200.0       | H   | 220.0         | 7.3          |
| 1938.000000     | 51.93                  | ---                    | 74.00                | 22.07       | 500.0           | 200.0       | H   | 275.0         | 8.3          |
| 2061.500000     | ---                    | 40.58                  | 54.00                | 13.42       | 500.0           | 200.0       | H   | 347.0         | 8.8          |
| 2283.500000     | ---                    | 40.86                  | 54.00                | 13.14       | 500.0           | 200.0       | H   | 252.0         | 9.7          |
| 2286.250000     | 52.80                  | ---                    | 74.00                | 21.20       | 500.0           | 100.0       | H   | 55.0          | 9.7          |
| 2812.500000     | 52.42                  | ---                    | 74.00                | 21.58       | 500.0           | 100.0       | H   | 55.0          | 11.1         |
| 2815.250000     | ---                    | 42.67                  | 54.00                | 11.33       | 500.0           | 100.0       | H   | 50.0          | 11.1         |

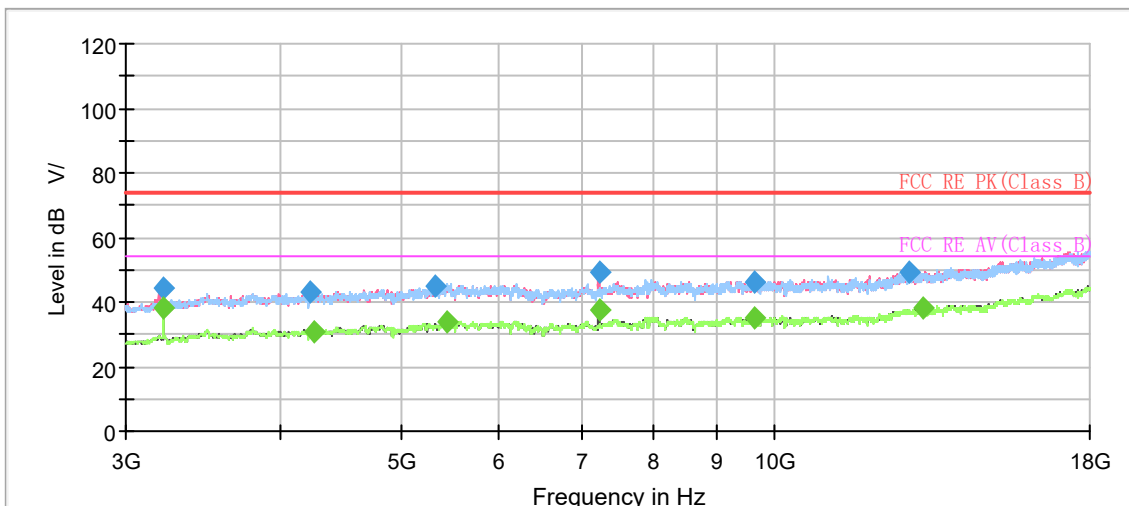
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT20) CH1



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



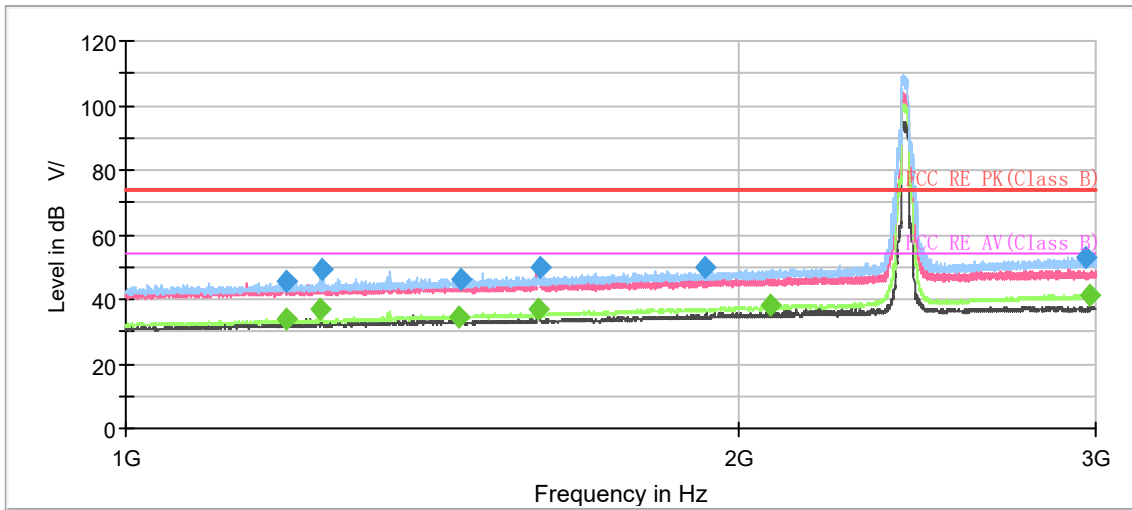
Radiates Emission from 3GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1047.750000     | 46.43                  | ---                    | 74.00                | 27.57       | 500.0           | 200.0       | H   | 215.0         | 3.6          |
| 1053.250000     | ---                    | 35.70                  | 54.00                | 18.30       | 500.0           | 200.0       | H   | 285.0         | 3.6          |
| 1262.750000     | 47.65                  | ---                    | 74.00                | 26.35       | 500.0           | 200.0       | H   | 335.0         | 4.9          |
| 1267.500000     | ---                    | 36.52                  | 54.00                | 17.48       | 500.0           | 200.0       | H   | 253.0         | 5.0          |
| 1502.500000     | ---                    | 37.66                  | 54.00                | 16.34       | 500.0           | 200.0       | H   | 0.0           | 6.4          |
| 1503.500000     | 48.87                  | ---                    | 74.00                | 25.13       | 500.0           | 200.0       | H   | 134.0         | 6.4          |
| 1766.000000     | 49.67                  | ---                    | 74.00                | 24.33       | 500.0           | 200.0       | H   | 0.0           | 7.6          |
| 1772.750000     | ---                    | 38.98                  | 54.00                | 15.02       | 500.0           | 200.0       | H   | 210.0         | 7.6          |
| 2118.000000     | ---                    | 40.08                  | 54.00                | 13.92       | 500.0           | 100.0       | H   | 69.0          | 9.1          |
| 2121.000000     | 50.22                  | ---                    | 74.00                | 23.78       | 500.0           | 200.0       | H   | 244.0         | 9.1          |
| 2815.250000     | ---                    | 42.34                  | 54.00                | 11.66       | 500.0           | 200.0       | H   | 261.0         | 11.1         |
| 2823.000000     | 52.81                  | ---                    | 74.00                | 21.19       | 500.0           | 200.0       | H   | 303.0         | 11.1         |

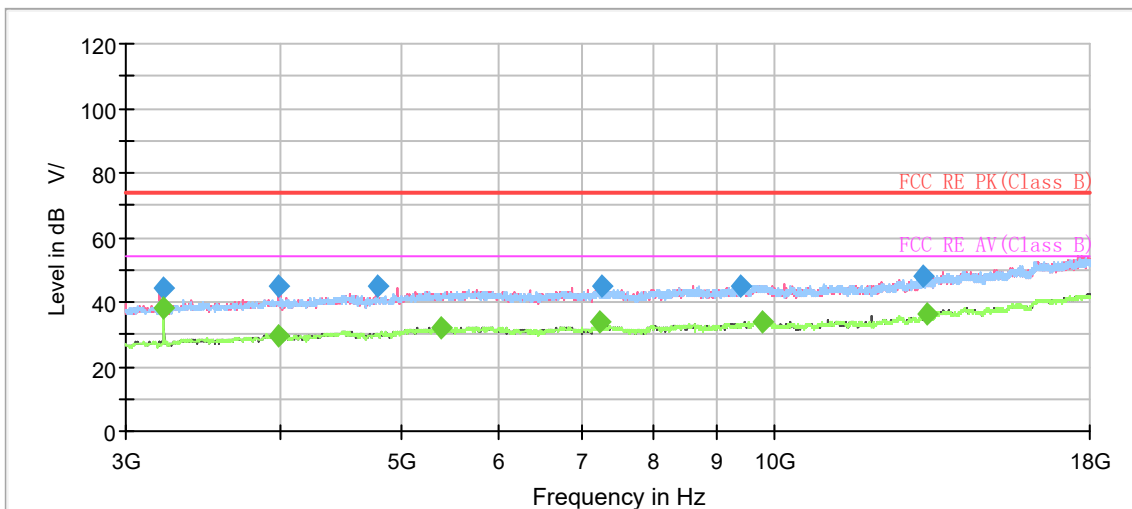
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT20) CH2



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



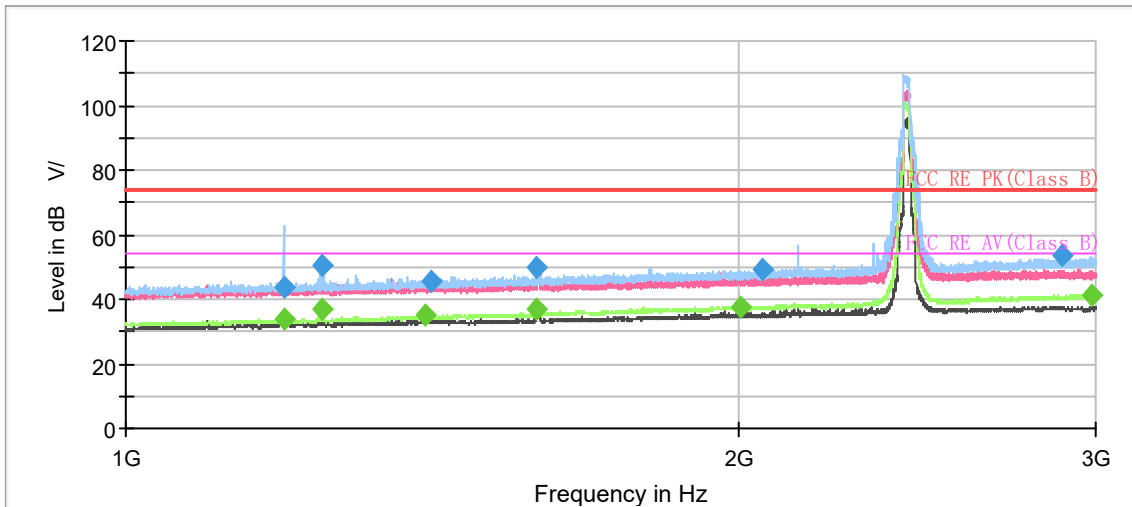
Radiates Emission from 3GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1199.000000     | ---                    | 33.97                  | 54.00                | 20.03       | 500.0           | 100.0       | V   | 211.0         | -7.7         |
| 1199.000000     | 45.28                  | ---                    | 74.00                | 28.72       | 500.0           | 100.0       | V   | 211.0         | -7.7         |
| 1246.500000     | ---                    | 37.10                  | 54.00                | 16.90       | 500.0           | 200.0       | H   | 0.0           | -7.5         |
| 1247.750000     | 49.50                  | ---                    | 74.00                | 24.50       | 500.0           | 200.0       | H   | 179.0         | -7.5         |
| 1458.500000     | ---                    | 34.56                  | 54.00                | 19.44       | 500.0           | 100.0       | H   | 25.0          | -6.1         |
| 1460.500000     | 46.18                  | ---                    | 74.00                | 27.82       | 500.0           | 100.0       | H   | 66.0          | -6.1         |
| 1596.000000     | ---                    | 36.65                  | 54.00                | 17.35       | 500.0           | 200.0       | V   | 104.0         | -5.5         |
| 1599.500000     | 49.87                  | ---                    | 74.00                | 24.13       | 500.0           | 100.0       | V   | 66.0          | -5.5         |
| 1925.750000     | 49.75                  | ---                    | 74.00                | 24.25       | 500.0           | 100.0       | H   | 94.0          | -3.8         |
| 2073.750000     | ---                    | 37.93                  | 54.00                | 16.07       | 500.0           | 100.0       | H   | 21.0          | -3.1         |
| 2966.750000     | 53.06                  | ---                    | 74.00                | 20.94       | 500.0           | 100.0       | H   | 174.0         | 0.4          |
| 2980.000000     | ---                    | 41.44                  | 54.00                | 12.56       | 500.0           | 100.0       | H   | 53.0          | 0.4          |

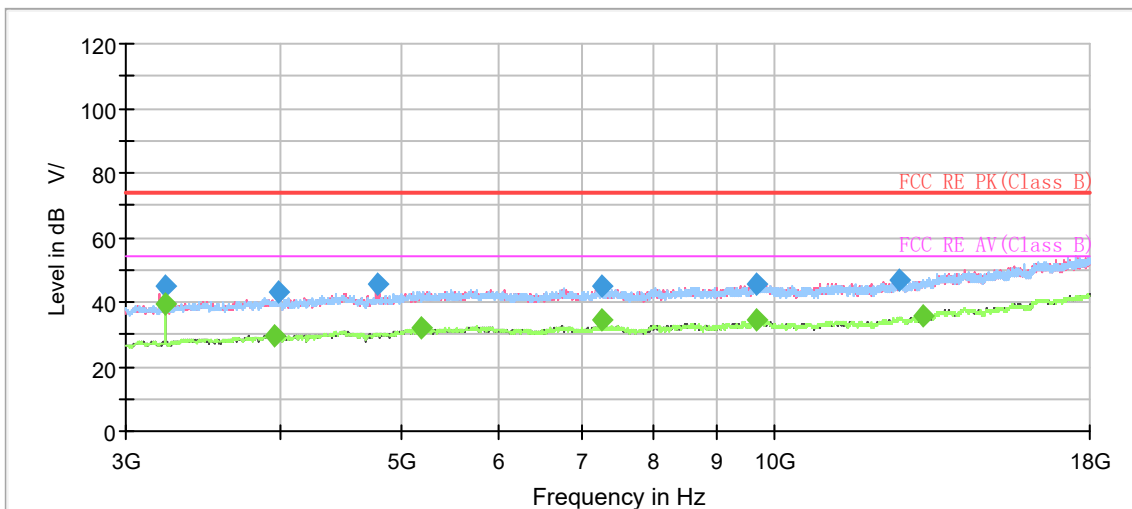
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit - MAX Peak/ Average**

802.11n (HT20) CH3



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



Radiates Emission from 3GHz to 18GHz

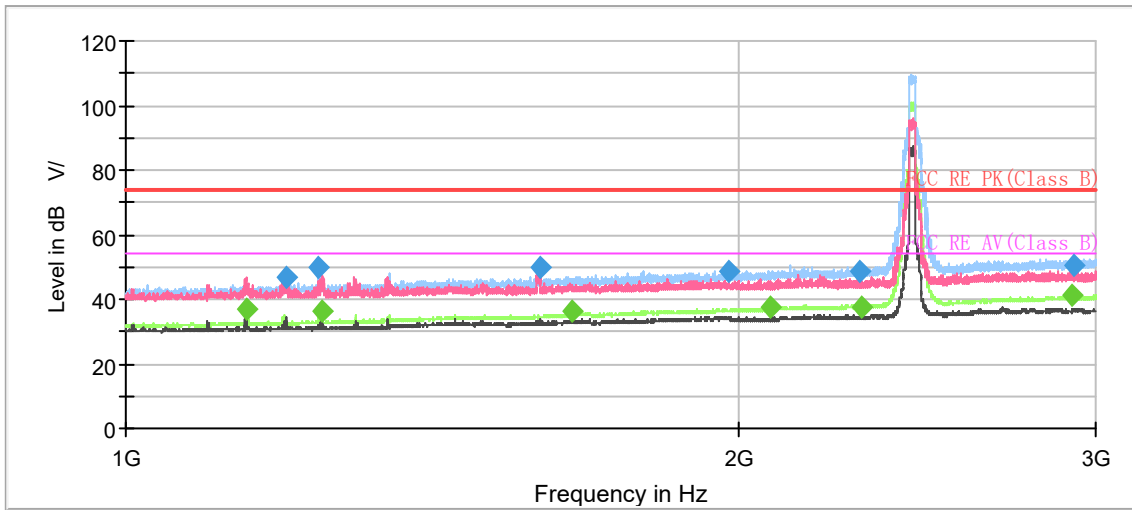


| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1195.750000     | ---                    | 34.12                  | 54.00                | 19.88       | 500.0           | 200.0       | H   | 36.0          | -7.8         |
| 1195.750000     | 43.80                  | ---                    | 74.00                | 30.20       | 500.0           | 100.0       | V   | 178.0         | -7.8         |
| 1248.000000     | ---                    | 36.75                  | 54.00                | 17.25       | 500.0           | 200.0       | H   | 192.0         | -7.5         |
| 1248.000000     | 50.40                  | ---                    | 74.00                | 23.60       | 500.0           | 200.0       | H   | 192.0         | -7.5         |
| 1404.000000     | ---                    | 34.93                  | 54.00                | 19.07       | 500.0           | 100.0       | H   | 353.0         | -6.5         |
| 1412.750000     | 45.63                  | ---                    | 74.00                | 28.37       | 500.0           | 200.0       | H   | 22.0          | -6.4         |
| 1593.250000     | 49.66                  | ---                    | 74.00                | 24.34       | 500.0           | 200.0       | H   | 62.0          | -5.5         |
| 1593.250000     | ---                    | 36.73                  | 54.00                | 17.27       | 500.0           | 200.0       | H   | 62.0          | -5.5         |
| 2008.500000     | ---                    | 37.62                  | 54.00                | 16.38       | 500.0           | 200.0       | H   | 175.0         | -3.4         |
| 2056.250000     | 49.24                  | ---                    | 74.00                | 24.76       | 500.0           | 200.0       | H   | 81.0          | -3.2         |
| 2886.250000     | 53.34                  | ---                    | 74.00                | 20.66       | 500.0           | 200.0       | H   | 9.0           | 0.2          |
| 2983.500000     | ---                    | 41.52                  | 54.00                | 12.48       | 500.0           | 200.0       | H   | 126.0         | 0.4          |

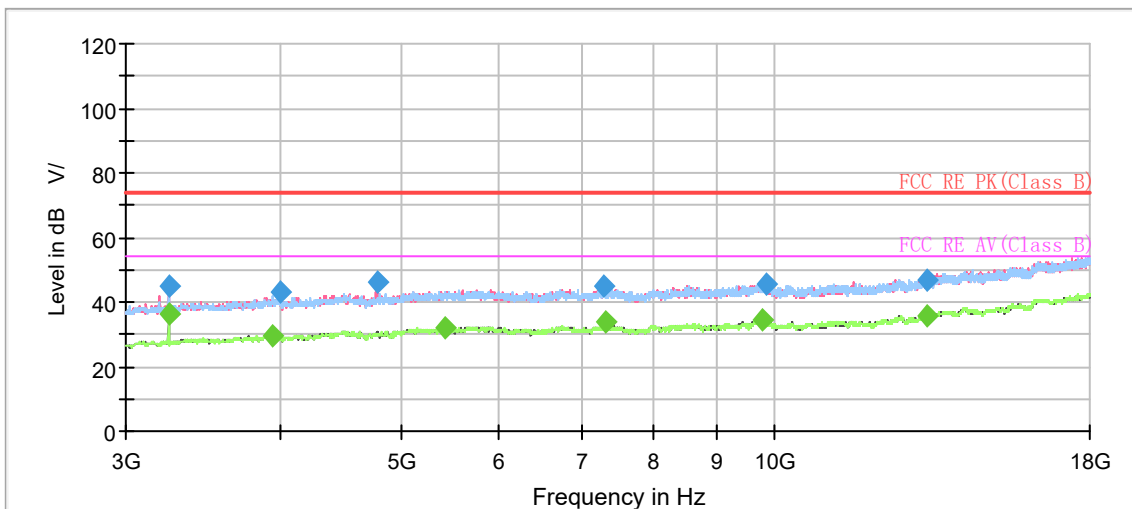
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT20) CH6



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



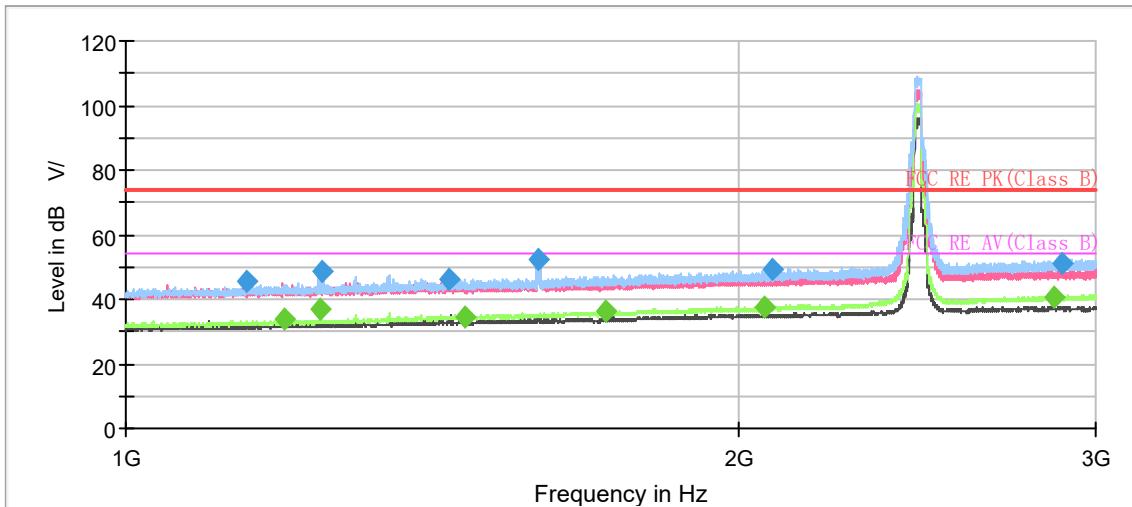
Radiates Emission from 3GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1145.750000     | ---                    | 36.74                  | 54.00                | 17.26       | 500.0           | 200.0       | V   | 130.0         | -8.1         |
| 1198.250000     | 47.06                  | ---                    | 74.00                | 26.94       | 500.0           | 100.0       | V   | 175.0         | -7.7         |
| 1244.500000     | 49.69                  | ---                    | 74.00                | 24.31       | 500.0           | 100.0       | H   | 229.0         | -7.5         |
| 1248.500000     | ---                    | 36.19                  | 54.00                | 17.81       | 500.0           | 200.0       | V   | 98.0          | -7.4         |
| 1599.250000     | 49.88                  | ---                    | 74.00                | 24.12       | 500.0           | 200.0       | V   | 140.0         | -5.5         |
| 1659.250000     | ---                    | 36.07                  | 54.00                | 17.93       | 500.0           | 100.0       | H   | 183.0         | -5.1         |
| 1980.000000     | 48.89                  | ---                    | 74.00                | 25.11       | 500.0           | 200.0       | H   | 103.0         | -3.5         |
| 2075.250000     | ---                    | 37.26                  | 54.00                | 16.74       | 500.0           | 100.0       | H   | 207.0         | -3.1         |
| 2298.500000     | 48.85                  | ---                    | 74.00                | 25.15       | 500.0           | 200.0       | H   | 74.0          | -2.2         |
| 2299.500000     | ---                    | 37.55                  | 54.00                | 16.45       | 500.0           | 100.0       | H   | 301.0         | -2.2         |
| 2921.500000     | ---                    | 41.15                  | 54.00                | 12.85       | 500.0           | 100.0       | H   | 292.0         | 0.3          |
| 2926.250000     | 50.66                  | ---                    | 74.00                | 23.34       | 500.0           | 100.0       | H   | 358.0         | 0.3          |

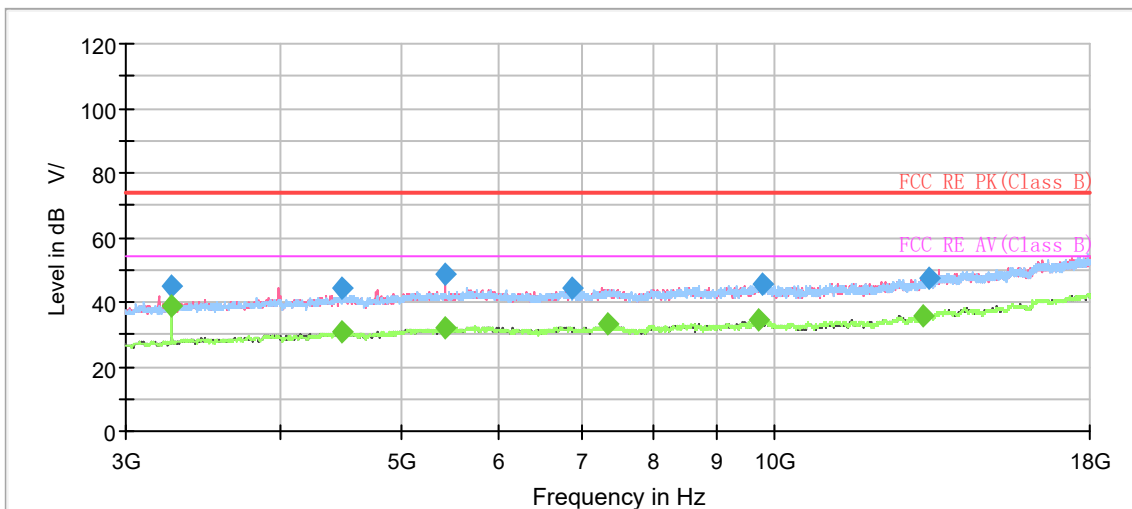
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit - MAX Peak/ Average**

802.11n (HT20) CH9



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



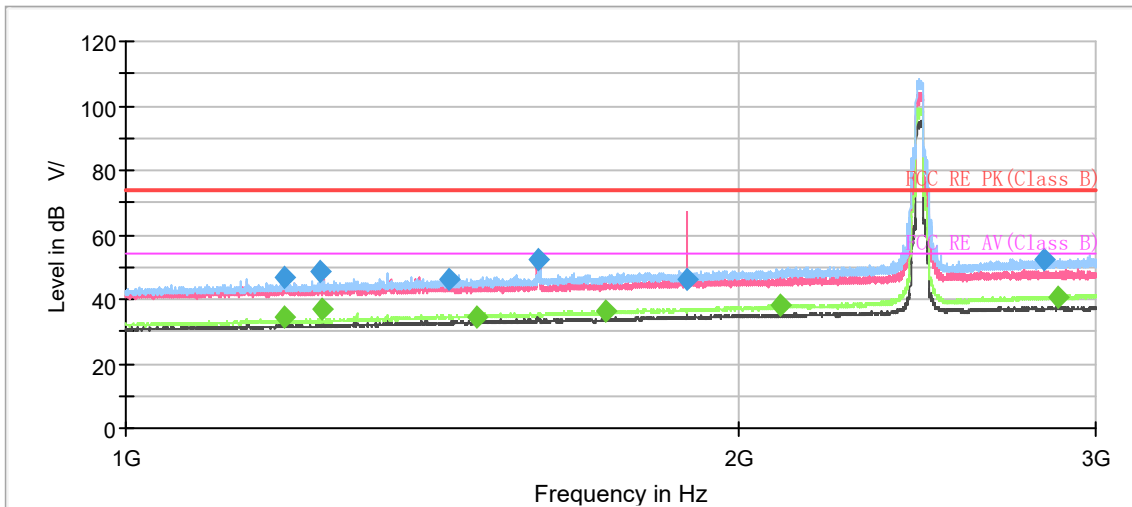
Radiates Emission from 3GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1147.250000     | 45.26                  | ---                    | 74.00                | 28.74       | 500.0           | 200.0       | H   | 354.0         | -8.1         |
| 1197.250000     | ---                    | 34.03                  | 54.00                | 19.97       | 500.0           | 200.0       | H   | 119.0         | -7.7         |
| 1246.500000     | ---                    | 36.66                  | 54.00                | 17.34       | 500.0           | 200.0       | H   | 2.0           | -7.5         |
| 1249.750000     | 48.77                  | ---                    | 74.00                | 25.23       | 500.0           | 200.0       | H   | 334.0         | -7.4         |
| 1441.750000     | 45.91                  | ---                    | 74.00                | 28.09       | 500.0           | 100.0       | H   | 346.0         | -6.2         |
| 1468.750000     | ---                    | 34.56                  | 54.00                | 19.44       | 500.0           | 200.0       | H   | 0.0           | -6.1         |
| 1596.500000     | 52.57                  | ---                    | 74.00                | 21.43       | 500.0           | 100.0       | V   | 124.0         | -5.5         |
| 1723.000000     | ---                    | 36.05                  | 54.00                | 17.95       | 500.0           | 200.0       | H   | 349.0         | -4.8         |
| 2062.750000     | ---                    | 37.51                  | 54.00                | 16.49       | 500.0           | 200.0       | H   | 0.0           | -3.2         |
| 2079.000000     | 49.26                  | ---                    | 74.00                | 24.74       | 500.0           | 200.0       | H   | 354.0         | -3.1         |
| 2859.250000     | ---                    | 40.57                  | 54.00                | 13.43       | 500.0           | 100.0       | H   | 346.0         | 0.2          |
| 2890.000000     | 51.04                  | ---                    | 74.00                | 22.96       | 500.0           | 200.0       | H   | 0.0           | 0.3          |

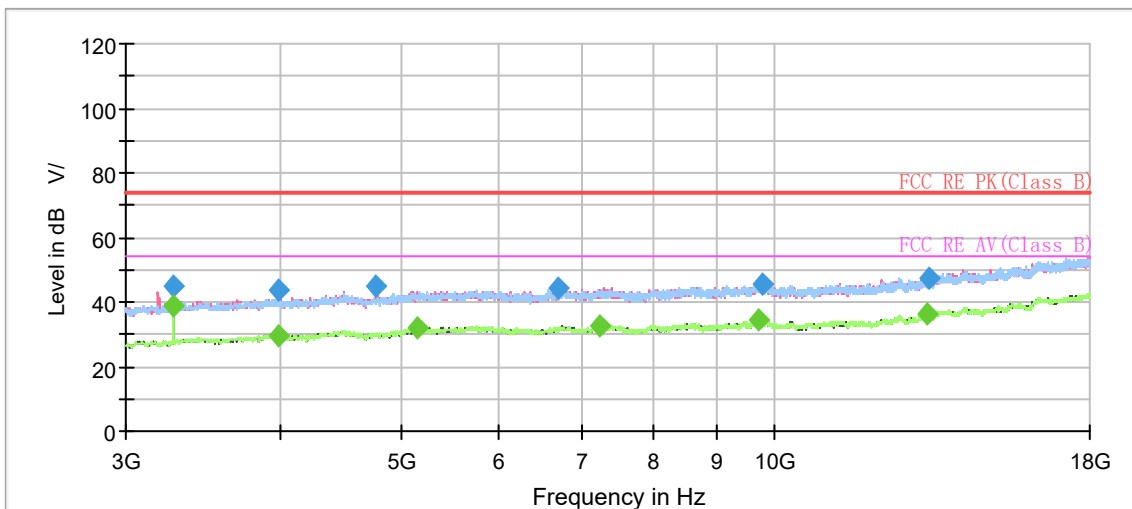
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT20) CH10



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



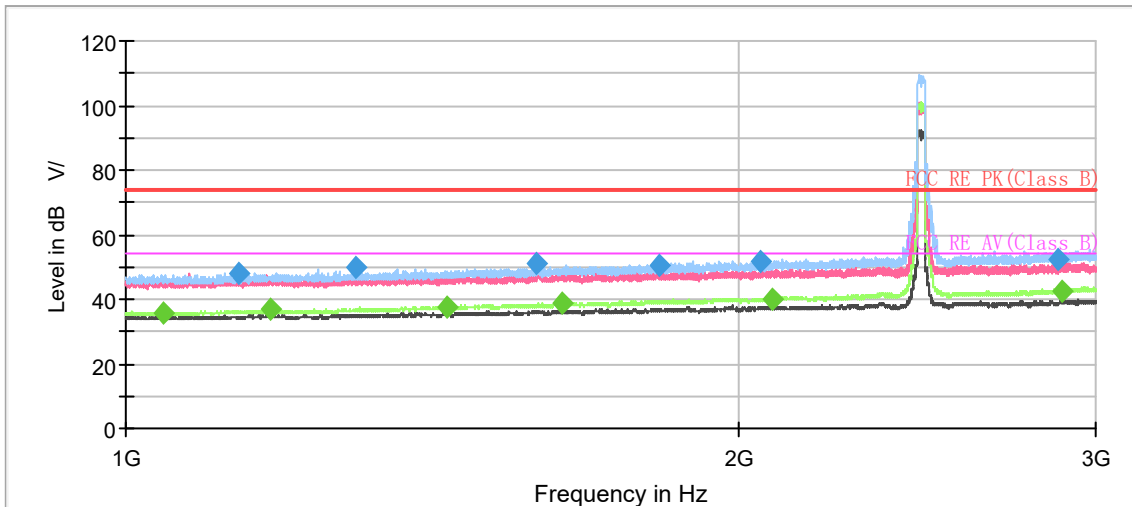
Radiates Emission from 3GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | PoI | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1196.500000     | 46.73                  | ---                    | 74.00                | 27.27       | 500.0           | 200.0       | H   | 223.0         | -7.7         |
| 1197.000000     | ---                    | 34.50                  | 54.00                | 19.50       | 500.0           | 200.0       | H   | 3.0           | -7.7         |
| 1246.750000     | 48.79                  | ---                    | 74.00                | 25.21       | 500.0           | 100.0       | V   | 190.0         | -7.5         |
| 1248.250000     | ---                    | 36.74                  | 54.00                | 17.26       | 500.0           | 100.0       | H   | 327.0         | -7.4         |
| 1443.250000     | 46.03                  | ---                    | 74.00                | 27.97       | 500.0           | 200.0       | H   | 54.0          | -6.2         |
| 1488.250000     | ---                    | 34.67                  | 54.00                | 19.33       | 500.0           | 200.0       | H   | 68.0          | -6.0         |
| 1595.250000     | 52.14                  | ---                    | 74.00                | 21.86       | 500.0           | 200.0       | V   | 142.0         | -5.5         |
| 1723.500000     | ---                    | 36.35                  | 54.00                | 17.65       | 500.0           | 200.0       | H   | 77.0          | -4.8         |
| 1886.500000     | 46.34                  | ---                    | 74.00                | 27.66       | 500.0           | 200.0       | H   | 17.0          | -4.0         |
| 2100.500000     | ---                    | 38.10                  | 54.00                | 15.90       | 500.0           | 100.0       | H   | 352.0         | -3.0         |
| 2829.500000     | 52.14                  | ---                    | 74.00                | 21.86       | 500.0           | 200.0       | H   | 63.0          | 0.1          |
| 2877.500000     | ---                    | 40.60                  | 54.00                | 13.40       | 500.0           | 200.0       | H   | 72.0          | 0.2          |

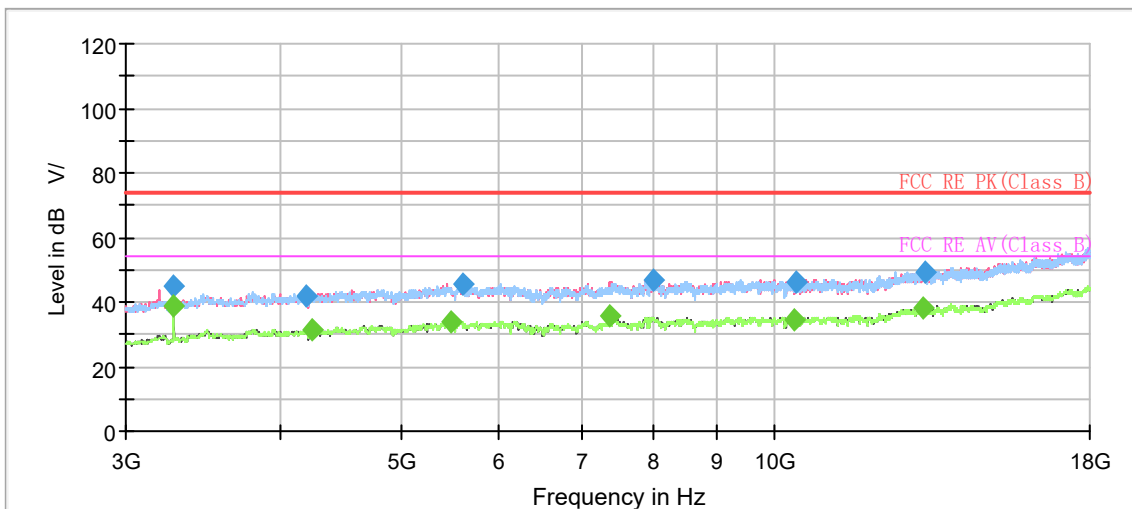
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT20) CH11



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



Radiates Emission from 3GHz to 18GHz

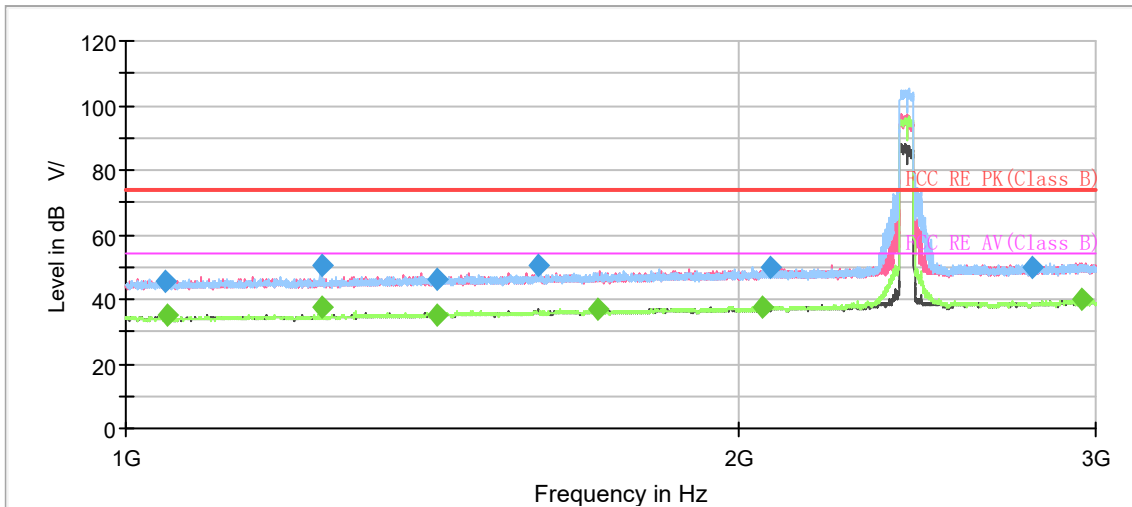


| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1043.500000     | ---                    | 35.86                  | 54.00                | 18.14       | 500.0           | 200.0       | H   | 338.0         | 3.6          |
| 1135.750000     | 48.24                  | ---                    | 74.00                | 25.76       | 500.0           | 200.0       | H   | 206.0         | 4.1          |
| 1177.500000     | ---                    | 36.67                  | 54.00                | 17.33       | 500.0           | 200.0       | H   | 277.0         | 4.3          |
| 1296.500000     | 49.65                  | ---                    | 74.00                | 24.35       | 500.0           | 200.0       | H   | 249.0         | 5.0          |
| 1439.250000     | ---                    | 37.65                  | 54.00                | 16.35       | 500.0           | 200.0       | H   | 268.0         | 5.9          |
| 1593.500000     | 50.96                  | ---                    | 74.00                | 23.04       | 500.0           | 100.0       | V   | 214.0         | 6.8          |
| 1640.500000     | ---                    | 38.95                  | 54.00                | 15.05       | 500.0           | 200.0       | H   | 0.0           | 7.0          |
| 1830.000000     | 50.46                  | ---                    | 74.00                | 23.54       | 500.0           | 200.0       | H   | 295.0         | 7.7          |
| 2052.500000     | 51.88                  | ---                    | 74.00                | 22.12       | 500.0           | 200.0       | H   | 329.0         | 8.9          |
| 2078.250000     | ---                    | 40.26                  | 54.00                | 13.74       | 500.0           | 200.0       | H   | 197.0         | 8.9          |
| 2873.750000     | 52.31                  | ---                    | 74.00                | 21.69       | 500.0           | 200.0       | H   | 114.0         | 11.3         |
| 2889.500000     | ---                    | 42.45                  | 54.00                | 11.55       | 500.0           | 200.0       | H   | 147.0         | 11.3         |

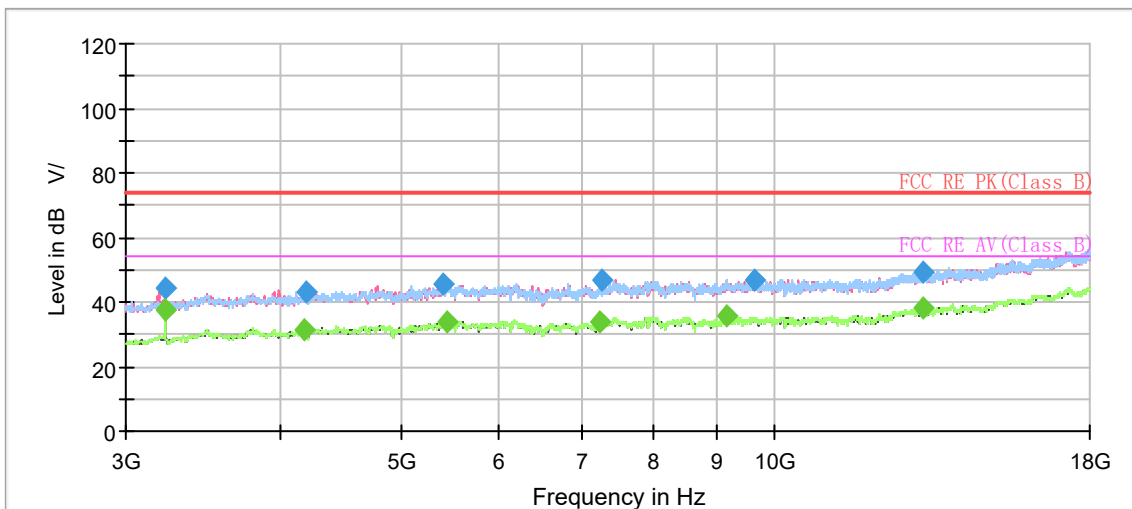
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT40) CH3



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



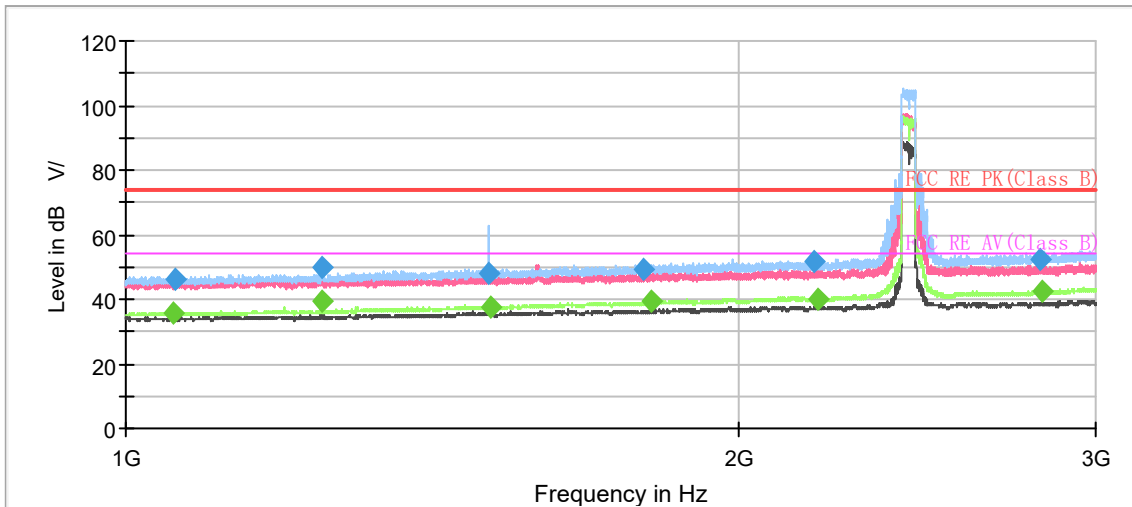
Radiates Emission from 3GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1046.000000     | 45.65                  | ---                    | 74.00                | 28.35       | 500.0           | 200.0       | H   | 320.0         | 3.6          |
| 1048.000000     | ---                    | 35.13                  | 54.00                | 18.87       | 500.0           | 200.0       | H   | 353.0         | 3.6          |
| 1249.250000     | ---                    | 37.58                  | 54.00                | 16.42       | 500.0           | 200.0       | H   | 334.0         | 4.8          |
| 1249.250000     | 50.46                  | ---                    | 74.00                | 23.54       | 500.0           | 200.0       | H   | 334.0         | 4.8          |
| 1421.750000     | 46.36                  | ---                    | 74.00                | 27.64       | 500.0           | 100.0       | H   | 13.0          | 5.9          |
| 1423.750000     | ---                    | 35.32                  | 54.00                | 18.68       | 500.0           | 200.0       | V   | 0.0           | 5.9          |
| 1597.000000     | 50.39                  | ---                    | 74.00                | 23.61       | 500.0           | 100.0       | V   | 205.0         | 6.8          |
| 1706.500000     | ---                    | 36.79                  | 54.00                | 17.21       | 500.0           | 200.0       | H   | 339.0         | 7.4          |
| 2057.000000     | ---                    | 37.70                  | 54.00                | 16.30       | 500.0           | 200.0       | H   | 140.0         | 8.9          |
| 2077.250000     | 49.78                  | ---                    | 74.00                | 24.22       | 500.0           | 200.0       | H   | 275.0         | 8.9          |
| 2792.500000     | 49.76                  | ---                    | 74.00                | 24.24       | 500.0           | 100.0       | H   | 265.0         | 11.0         |
| 2950.750000     | ---                    | 39.82                  | 54.00                | 14.18       | 500.0           | 100.0       | H   | 90.0          | 11.8         |

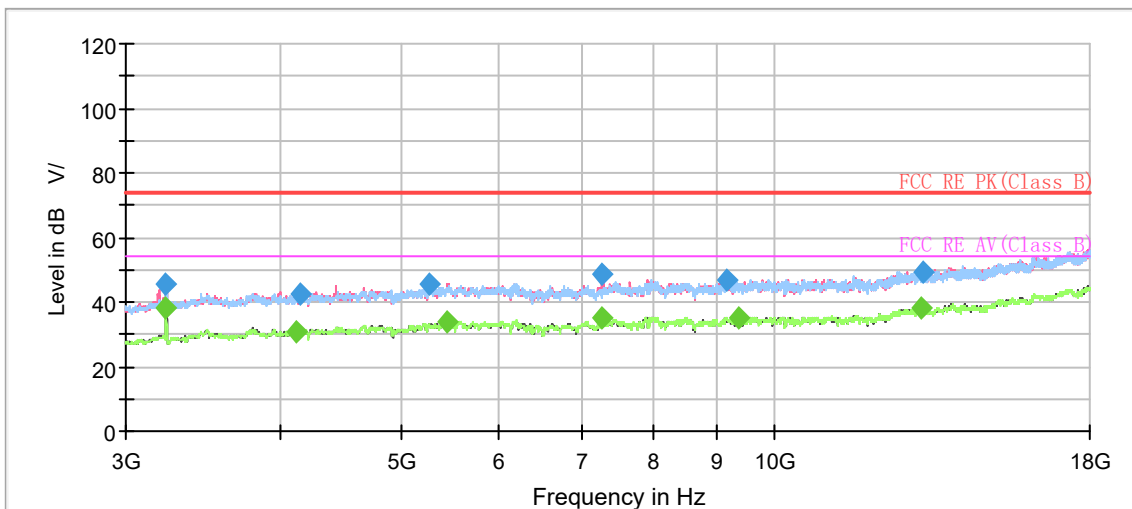
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT40) CH4



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



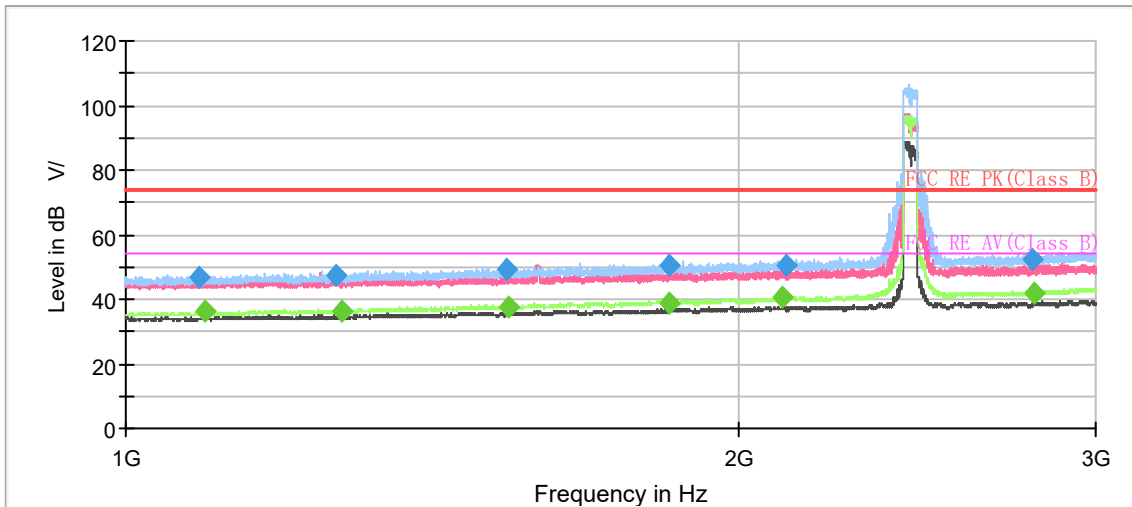
Radiates Emission from 3GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1056.000000     | ---                    | 35.49                  | 54.00                | 18.51       | 500.0           | 200.0       | H   | 47.0          | 3.6          |
| 1058.500000     | 45.89                  | ---                    | 74.00                | 28.11       | 500.0           | 100.0       | H   | 351.0         | 3.6          |
| 1247.750000     | ---                    | 39.20                  | 54.00                | 14.80       | 500.0           | 100.0       | H   | 337.0         | 4.8          |
| 1249.750000     | 49.95                  | ---                    | 74.00                | 24.05       | 500.0           | 200.0       | H   | 351.0         | 4.8          |
| 1507.500000     | 47.91                  | ---                    | 74.00                | 26.09       | 500.0           | 200.0       | H   | 15.0          | 6.4          |
| 1512.500000     | ---                    | 37.84                  | 54.00                | 16.16       | 500.0           | 200.0       | H   | 23.0          | 6.3          |
| 1798.750000     | 49.53                  | ---                    | 74.00                | 24.47       | 500.0           | 200.0       | H   | 120.0         | 7.6          |
| 1813.000000     | ---                    | 39.45                  | 54.00                | 14.55       | 500.0           | 200.0       | H   | 120.0         | 7.7          |
| 2181.250000     | 51.71                  | ---                    | 74.00                | 22.29       | 500.0           | 200.0       | H   | 73.0          | 9.1          |
| 2191.750000     | ---                    | 39.86                  | 54.00                | 14.14       | 500.0           | 200.0       | H   | 96.0          | 9.3          |
| 2815.500000     | 52.17                  | ---                    | 74.00                | 21.83       | 500.0           | 200.0       | H   | 23.0          | 11.1         |
| 2823.500000     | ---                    | 42.71                  | 54.00                | 11.29       | 500.0           | 200.0       | H   | 32.0          | 11.1         |

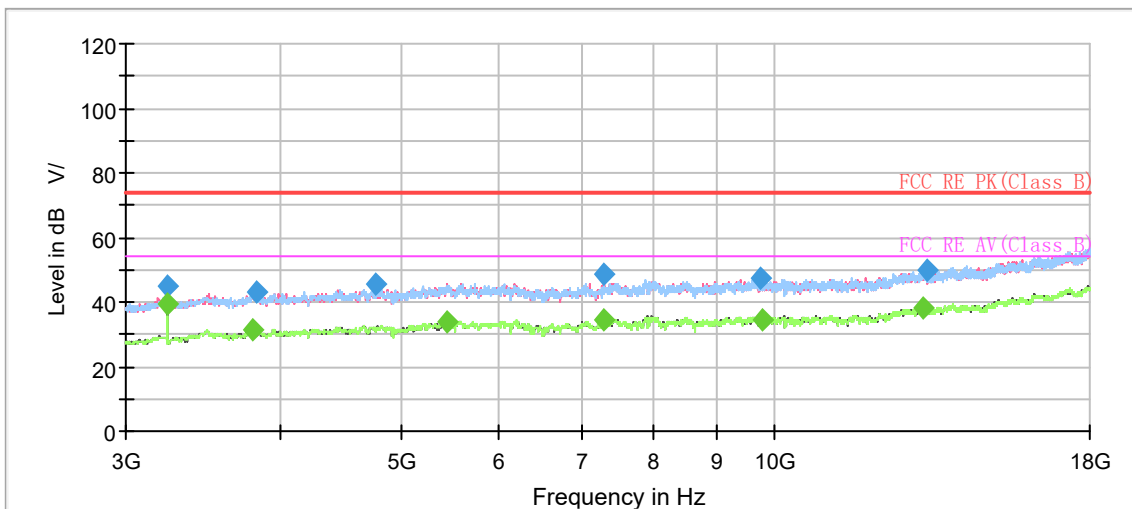
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT40) CH5



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



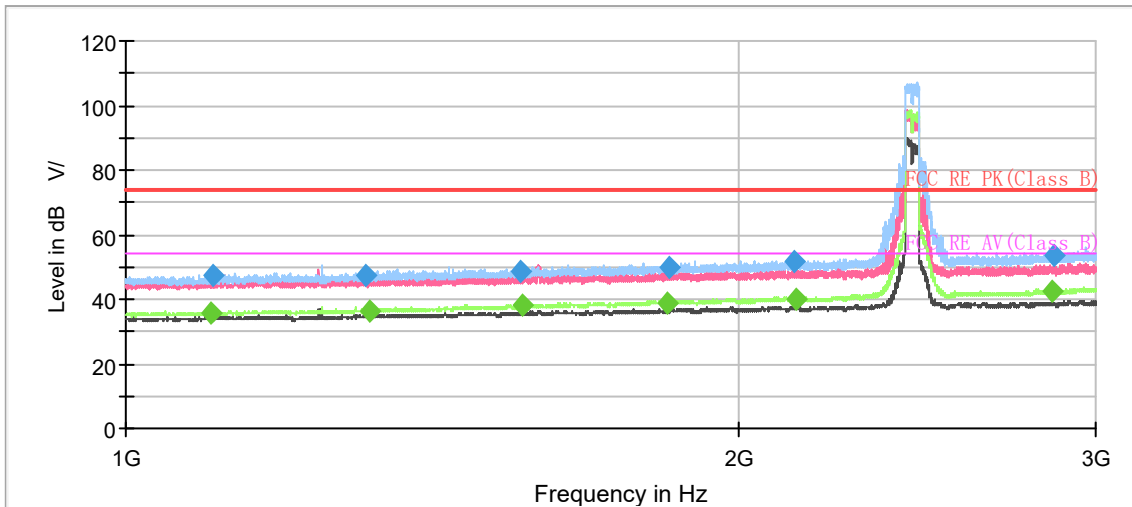
Radiates Emission from 3GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1087.000000     | 46.58                  | ---                    | 74.00                | 27.42       | 500.0           | 200.0       | H   | 44.0          | 3.8          |
| 1093.000000     | ---                    | 36.01                  | 54.00                | 17.99       | 500.0           | 200.0       | H   | 4.0           | 3.9          |
| 1268.500000     | 47.38                  | ---                    | 74.00                | 26.62       | 500.0           | 200.0       | H   | 44.0          | 5.0          |
| 1277.000000     | ---                    | 36.12                  | 54.00                | 17.88       | 500.0           | 200.0       | H   | 137.0         | 5.0          |
| 1539.000000     | 49.15                  | ---                    | 74.00                | 24.85       | 500.0           | 200.0       | H   | 215.0         | 6.6          |
| 1543.000000     | ---                    | 37.62                  | 54.00                | 16.38       | 500.0           | 200.0       | H   | 234.0         | 6.5          |
| 1849.000000     | 50.29                  | ---                    | 74.00                | 23.71       | 500.0           | 200.0       | H   | 71.0          | 7.9          |
| 1852.250000     | ---                    | 38.84                  | 54.00                | 15.16       | 500.0           | 200.0       | H   | 25.0          | 8.0          |
| 2104.750000     | ---                    | 40.34                  | 54.00                | 13.66       | 500.0           | 200.0       | H   | 67.0          | 9.1          |
| 2113.500000     | 50.51                  | ---                    | 74.00                | 23.49       | 500.0           | 200.0       | H   | 35.0          | 9.1          |
| 2793.000000     | 52.39                  | ---                    | 74.00                | 21.61       | 500.0           | 200.0       | H   | 20.0          | 11.0         |
| 2800.750000     | ---                    | 41.96                  | 54.00                | 12.04       | 500.0           | 200.0       | H   | 146.0         | 11.0         |

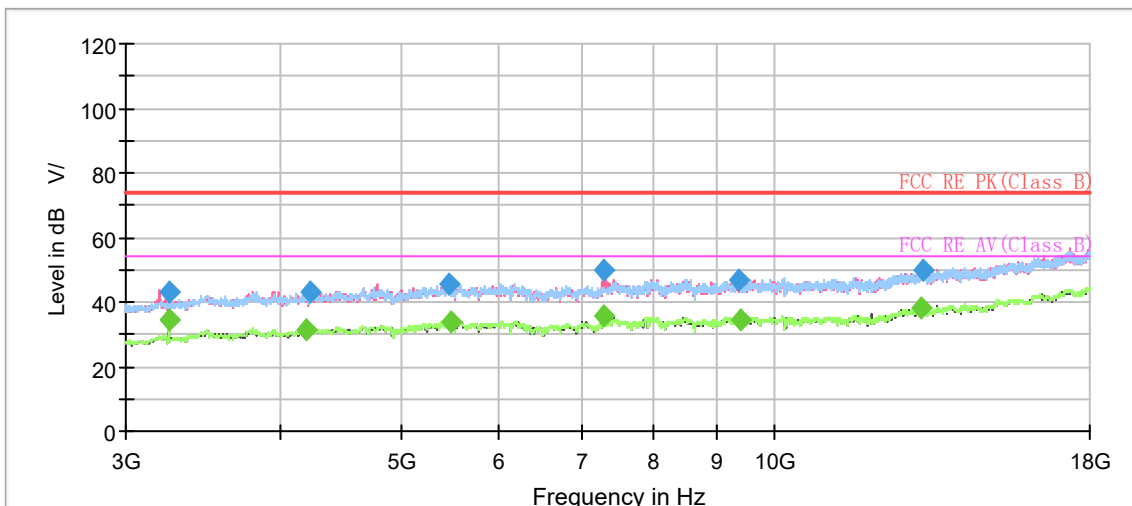
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT40) CH6



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



Radiates Emission from 3GHz to 18GHz

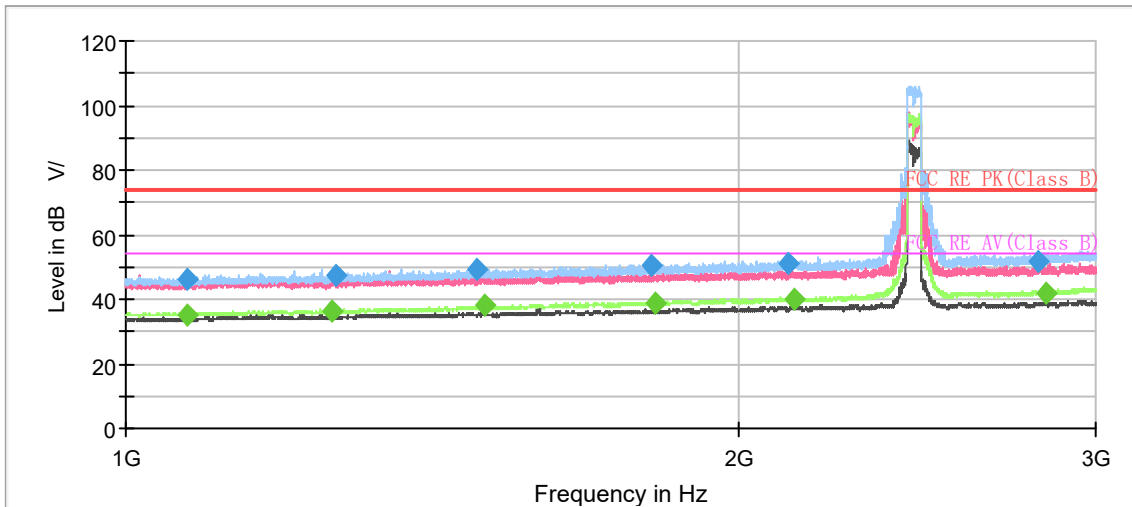


| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1100.500000     | ---                    | 35.76                  | 54.00                | 18.24       | 500.0           | 200.0       | H   | 134.0         | 3.9          |
| 1104.500000     | 47.27                  | ---                    | 74.00                | 26.73       | 500.0           | 200.0       | H   | 98.0          | 3.9          |
| 1313.250000     | 47.34                  | ---                    | 74.00                | 26.66       | 500.0           | 200.0       | H   | 139.0         | 5.2          |
| 1317.750000     | ---                    | 36.37                  | 54.00                | 17.63       | 500.0           | 200.0       | H   | 162.0         | 5.2          |
| 1563.750000     | 48.67                  | ---                    | 74.00                | 25.33       | 500.0           | 200.0       | H   | 26.0          | 6.5          |
| 1567.000000     | ---                    | 37.93                  | 54.00                | 16.07       | 500.0           | 200.0       | H   | 57.0          | 6.5          |
| 1847.250000     | ---                    | 39.04                  | 54.00                | 14.96       | 500.0           | 200.0       | H   | 26.0          | 7.9          |
| 1851.500000     | 50.12                  | ---                    | 74.00                | 23.88       | 500.0           | 200.0       | H   | 12.0          | 8.0          |
| 2134.500000     | 51.81                  | ---                    | 74.00                | 22.19       | 500.0           | 100.0       | H   | 336.0         | 9.1          |
| 2138.500000     | ---                    | 40.10                  | 54.00                | 13.90       | 500.0           | 200.0       | H   | 26.0          | 9.0          |
| 2854.250000     | ---                    | 42.58                  | 54.00                | 11.42       | 500.0           | 200.0       | H   | 66.0          | 11.2         |
| 2861.750000     | 53.27                  | ---                    | 74.00                | 20.73       | 500.0           | 200.0       | H   | 157.0         | 11.3         |

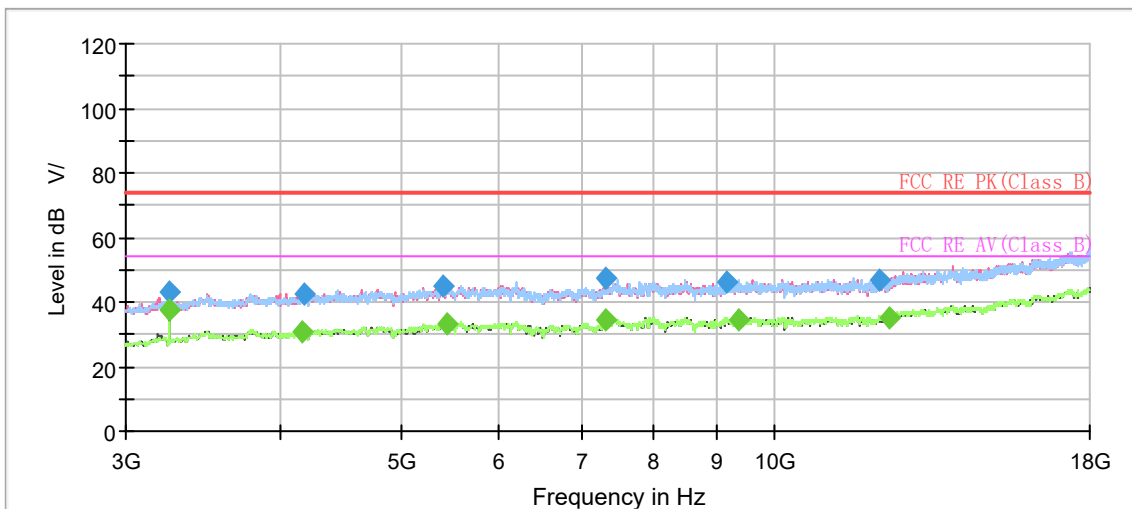
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT40) CH7



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



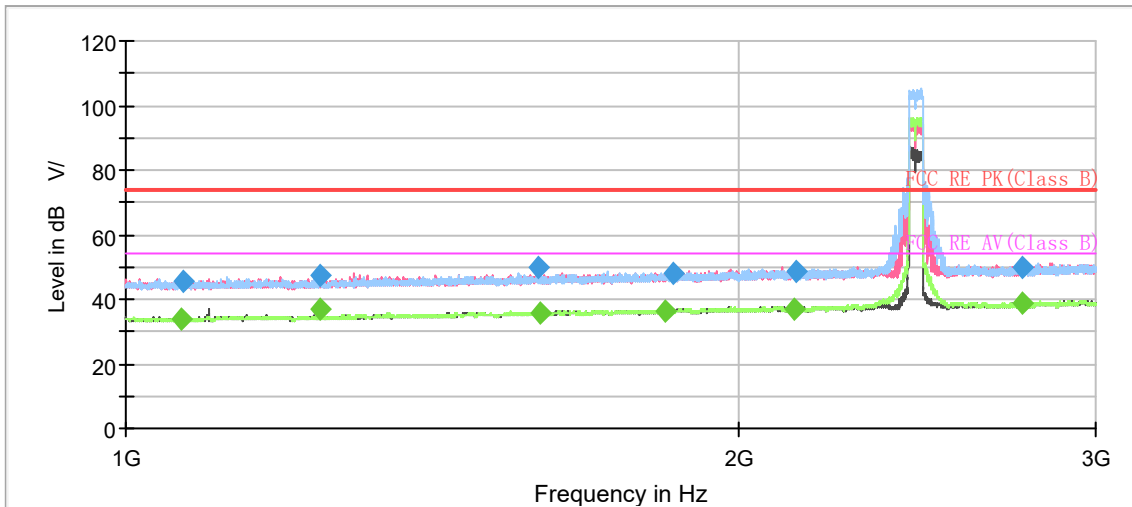
Radiates Emission from 3GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1071.250000     | ---                    | 35.33                  | 54.00                | 18.67       | 500.0           | 200.0       | H   | 34.0          | 3.7          |
| 1073.000000     | 46.11                  | ---                    | 74.00                | 27.89       | 500.0           | 200.0       | H   | 47.0          | 3.7          |
| 1263.000000     | ---                    | 36.35                  | 54.00                | 17.65       | 500.0           | 200.0       | H   | 51.0          | 4.9          |
| 1268.000000     | 47.41                  | ---                    | 74.00                | 26.59       | 500.0           | 200.0       | H   | 70.0          | 5.0          |
| 1487.000000     | 49.11                  | ---                    | 74.00                | 24.89       | 500.0           | 200.0       | H   | 139.0         | 6.3          |
| 1502.750000     | ---                    | 38.15                  | 54.00                | 15.85       | 500.0           | 200.0       | H   | 162.0         | 6.4          |
| 1812.000000     | 50.39                  | ---                    | 74.00                | 23.61       | 500.0           | 200.0       | H   | 70.0          | 7.7          |
| 1822.000000     | ---                    | 38.70                  | 54.00                | 15.30       | 500.0           | 200.0       | H   | 1.0           | 7.7          |
| 2117.750000     | 51.27                  | ---                    | 74.00                | 22.73       | 500.0           | 200.0       | H   | 98.0          | 9.1          |
| 2132.500000     | ---                    | 39.94                  | 54.00                | 14.06       | 500.0           | 200.0       | H   | 194.0         | 9.1          |
| 2812.250000     | 51.64                  | ---                    | 74.00                | 22.36       | 500.0           | 200.0       | H   | 19.0          | 11.1         |
| 2834.500000     | ---                    | 41.97                  | 54.00                | 12.03       | 500.0           | 200.0       | H   | 213.0         | 11.1         |

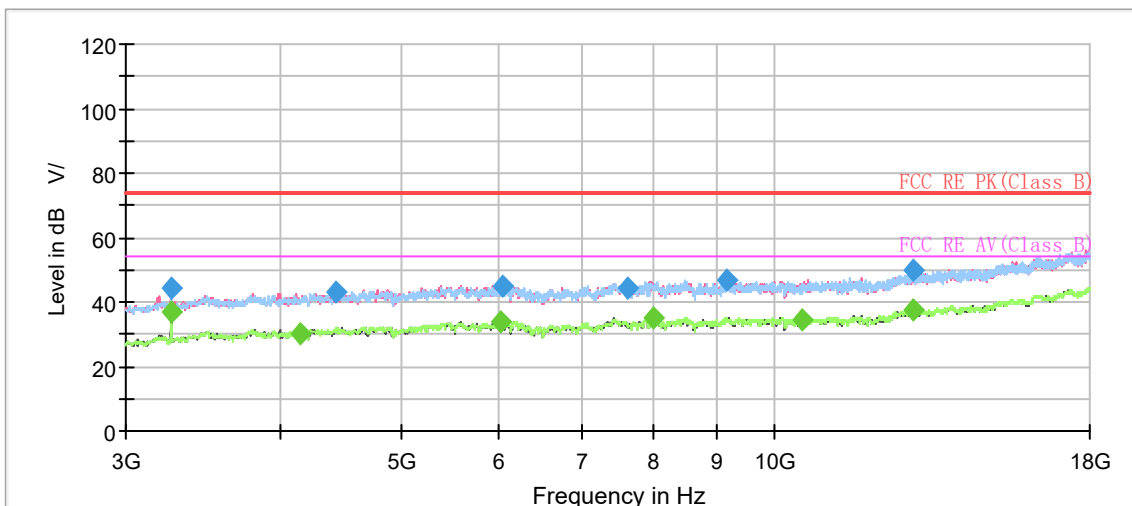
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT40) CH8



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



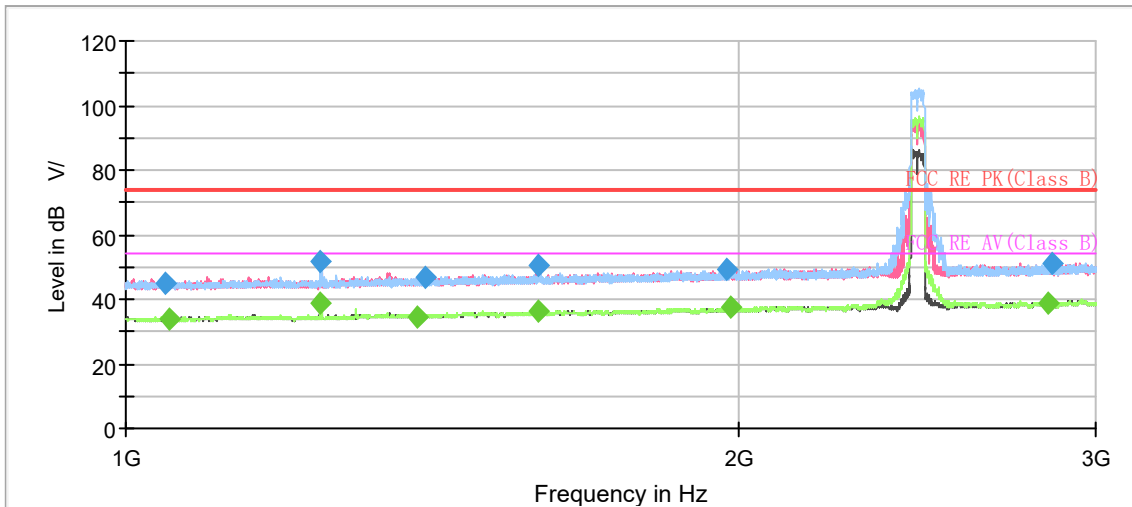
Radiates Emission from 3GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1066.000000     | ---                    | 33.93                  | 54.00                | 20.07       | 500.0           | 200.0       | V   | 303.0         | 3.7          |
| 1067.500000     | 45.64                  | ---                    | 74.00                | 28.36       | 500.0           | 200.0       | V   | 211.0         | 3.7          |
| 1246.250000     | 47.43                  | ---                    | 74.00                | 26.57       | 500.0           | 200.0       | H   | 337.0         | 4.8          |
| 1247.250000     | ---                    | 37.01                  | 54.00                | 16.99       | 500.0           | 200.0       | H   | 238.0         | 4.8          |
| 1596.500000     | 50.00                  | ---                    | 74.00                | 24.00       | 500.0           | 100.0       | V   | 182.0         | 6.8          |
| 1599.250000     | ---                    | 35.97                  | 54.00                | 18.03       | 500.0           | 200.0       | V   | 257.0         | 6.7          |
| 1844.500000     | ---                    | 36.55                  | 54.00                | 17.45       | 500.0           | 100.0       | H   | 217.0         | 7.9          |
| 1857.000000     | 47.93                  | ---                    | 74.00                | 26.07       | 500.0           | 100.0       | H   | 64.0          | 8.0          |
| 2129.750000     | ---                    | 37.00                  | 54.00                | 17.00       | 500.0           | 200.0       | V   | 252.0         | 9.1          |
| 2136.250000     | 48.46                  | ---                    | 74.00                | 25.54       | 500.0           | 200.0       | V   | 220.0         | 9.1          |
| 2761.750000     | ---                    | 38.73                  | 54.00                | 15.27       | 500.0           | 200.0       | V   | 351.0         | 10.9         |
| 2763.750000     | 49.94                  | ---                    | 74.00                | 24.06       | 500.0           | 100.0       | H   | 285.0         | 10.9         |

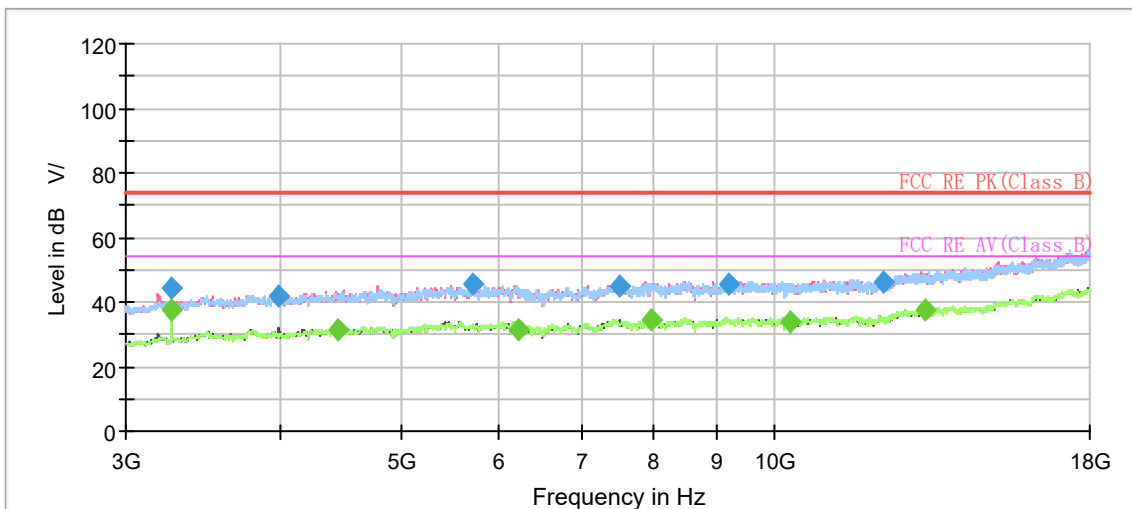
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11n (HT40) CH9



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



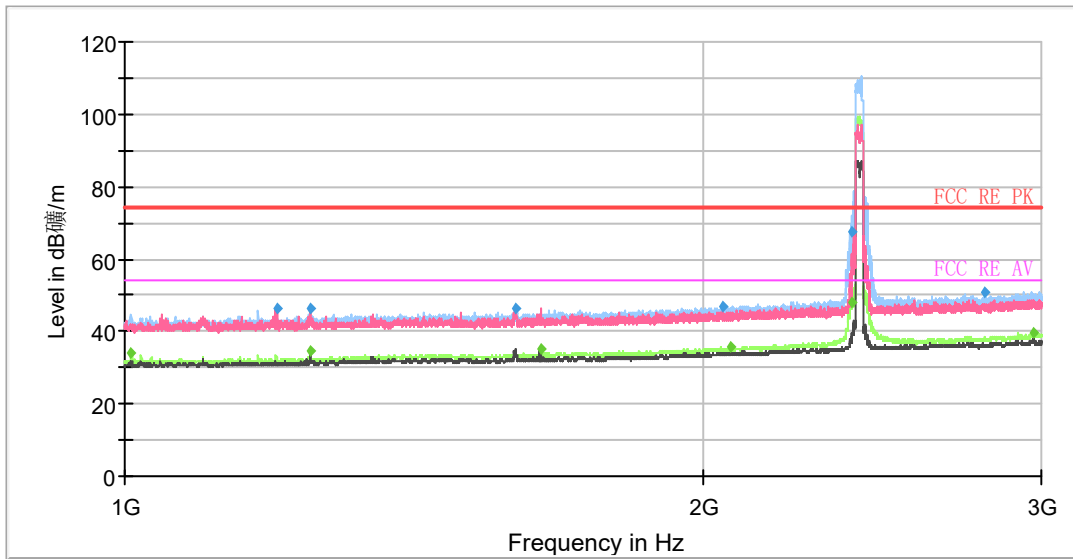
Radiates Emission from 3GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1045.000000     | 45.22                  | ---                    | 74.00                | 28.78       | 500.0           | 200.0       | V   | 294.0         | 3.6          |
| 1050.500000     | ---                    | 33.90                  | 54.00                | 20.10       | 500.0           | 100.0       | V   | 39.0          | 3.6          |
| 1246.250000     | ---                    | 39.03                  | 54.00                | 14.97       | 500.0           | 200.0       | V   | 259.0         | 4.8          |
| 1246.250000     | 51.60                  | ---                    | 74.00                | 22.40       | 500.0           | 200.0       | V   | 259.0         | 4.8          |
| 1391.750000     | ---                    | 34.75                  | 54.00                | 19.25       | 500.0           | 100.0       | V   | 203.0         | 5.6          |
| 1405.000000     | 46.70                  | ---                    | 74.00                | 27.30       | 500.0           | 100.0       | V   | 103.0         | 5.7          |
| 1595.750000     | ---                    | 36.05                  | 54.00                | 17.95       | 500.0           | 200.0       | V   | 107.0         | 6.8          |
| 1597.250000     | 50.46                  | ---                    | 74.00                | 23.54       | 500.0           | 200.0       | V   | 259.0         | 6.8          |
| 1973.750000     | 49.30                  | ---                    | 74.00                | 24.70       | 500.0           | 200.0       | H   | 53.0          | 8.5          |
| 1984.250000     | ---                    | 37.75                  | 54.00                | 16.25       | 500.0           | 200.0       | H   | 39.0          | 8.7          |
| 2844.750000     | ---                    | 38.92                  | 54.00                | 15.08       | 500.0           | 200.0       | V   | 0.0           | 11.2         |
| 2855.750000     | 50.81                  | ---                    | 74.00                | 23.19       | 500.0           | 100.0       | V   | 286.0         | 11.2         |

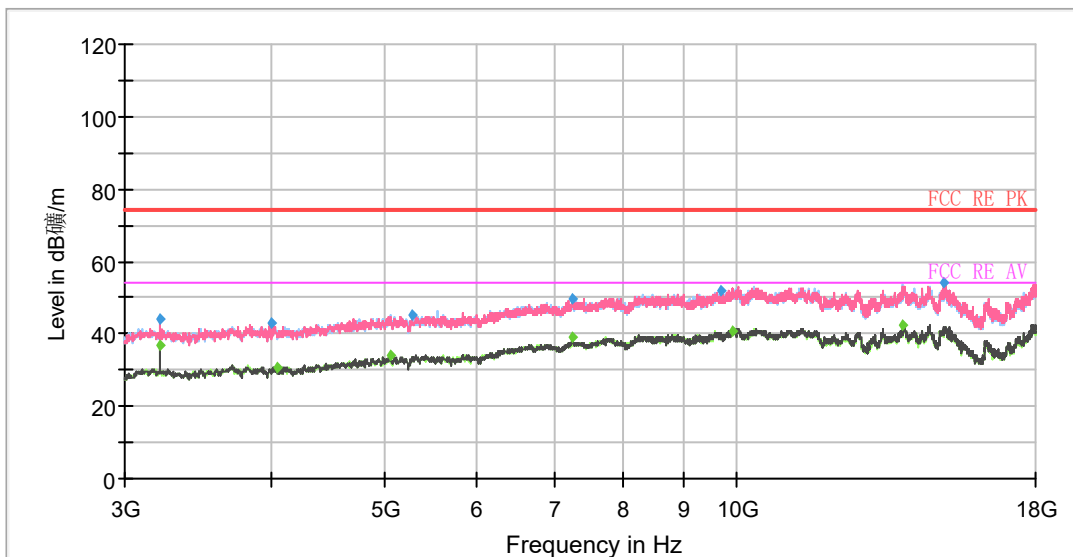
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11ax HE20 CH 1



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



Radiates Emission from 3GHz to 18GHz

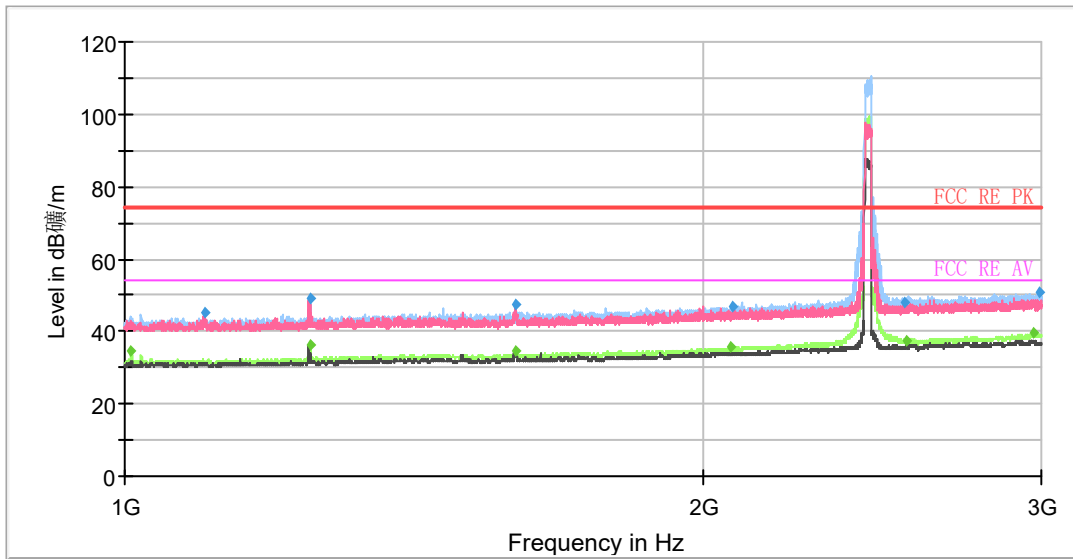


| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1007.75         | ---                    | 33.84                  | 54.00                | 20.16       | 500.00          | 200.0       | H   | 353.00        | -3           |
| 1199.75         | 46.55                  | ---                    | 74.00                | 27.45       | 500.00          | 100.0       | V   | 325.00        | -2           |
| 1248.50         | 46.28                  | ---                    | 74.00                | 27.72       | 500.00          | 200.0       | H   | 0.00          | -2           |
| 1248.75         | ---                    | 34.50                  | 54.00                | 19.50       | 500.00          | 200.0       | V   | 290.00        | -2           |
| 1597.75         | 46.42                  | ---                    | 74.00                | 27.58       | 500.00          | 100.0       | V   | 197.00        | -1           |
| 1645.75         | ---                    | 35.43                  | 54.00                | 18.57       | 500.00          | 100.0       | V   | 216.00        | -1           |
| 2048.25         | 46.94                  | ---                    | 74.00                | 27.06       | 500.00          | 200.0       | H   | 163.00        | 1            |
| 2069.25         | ---                    | 35.64                  | 54.00                | 18.36       | 500.00          | 100.0       | H   | 307.00        | 1            |
| 2388.00         | 67.68                  | ---                    | 74.00                | 6.32        | 500.00          | 200.0       | H   | 264.00        | 3            |
| 2388.00         | ---                    | 47.76                  | 54.00                | 6.24        | 500.00          | 200.0       | H   | 264.00        | 3            |
| 2806.25         | 50.93                  | ---                    | 74.00                | 23.07       | 500.00          | 100.0       | H   | 57.00         | 4            |
| 2971.50         | ---                    | 39.48                  | 54.00                | 14.52       | 500.00          | 200.0       | H   | 245.00        | 5            |

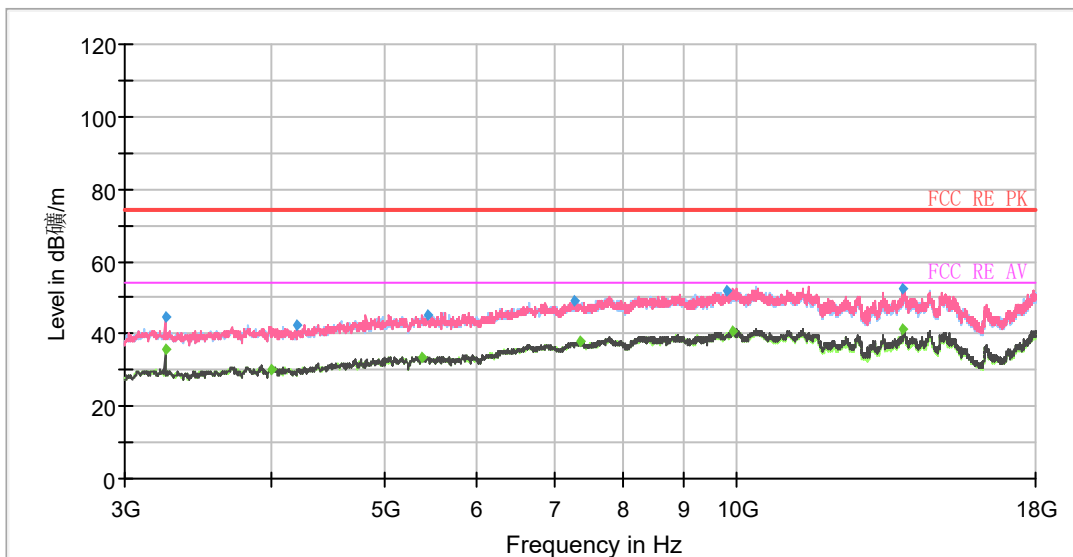
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11ax HE20 CH6



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



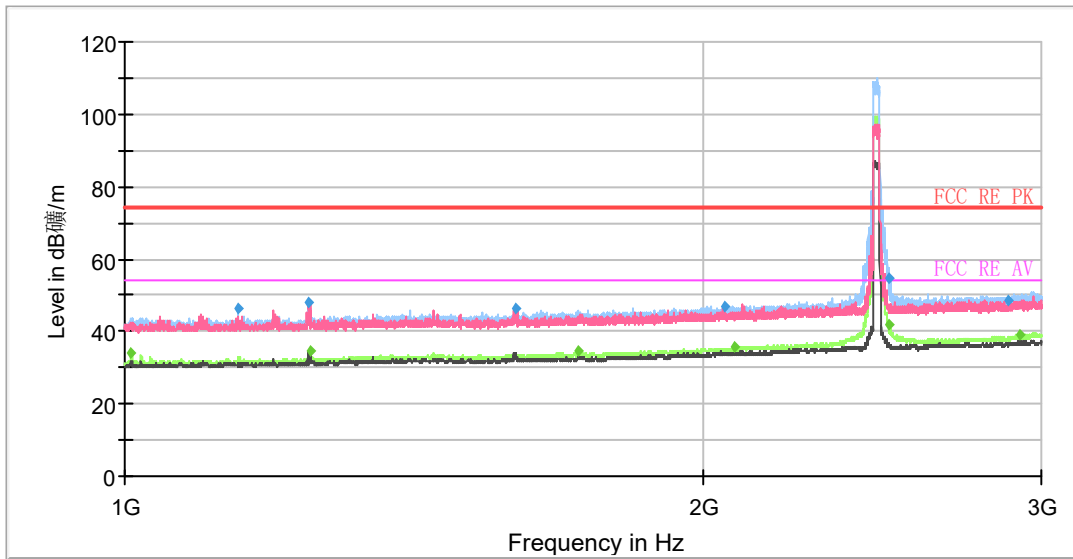
Radiates Emission from 3GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1007.75         | ---                    | 34.38                  | 54.00                | 19.62       | 500.00          | 200.0       | H   | 357.00        | -3           |
| 1100.50         | 45.19                  | ---                    | 74.00                | 28.81       | 500.00          | 100.0       | V   | 357.00        | -2           |
| 1248.50         | 49.22                  | ---                    | 74.00                | 24.78       | 500.00          | 100.0       | H   | 303.00        | -2           |
| 1249.25         | ---                    | 36.55                  | 54.00                | 17.45       | 500.00          | 100.0       | H   | 234.00        | -2           |
| 1597.50         | 47.63                  | ---                    | 74.00                | 26.37       | 500.00          | 100.0       | V   | 140.00        | -1           |
| 1597.50         | ---                    | 34.65                  | 54.00                | 19.35       | 500.00          | 100.0       | V   | 140.00        | -1           |
| 2067.50         | ---                    | 35.49                  | 54.00                | 18.51       | 500.00          | 100.0       | H   | 52.00         | 1            |
| 2072.25         | 46.97                  | ---                    | 74.00                | 27.03       | 500.00          | 100.0       | H   | 64.00         | 1            |
| 2543.75         | 47.89                  | ---                    | 74.00                | 26.11       | 500.00          | 200.0       | H   | 339.00        | 3            |
| 2549.75         | ---                    | 37.47                  | 54.00                | 16.53       | 500.00          | 200.0       | H   | 269.00        | 3            |
| 2971.50         | ---                    | 39.55                  | 54.00                | 14.45       | 500.00          | 200.0       | H   | 333.00        | 5            |
| 2994.50         | 50.58                  | ---                    | 74.00                | 23.42       | 500.00          | 200.0       | H   | 289.00        | 5            |

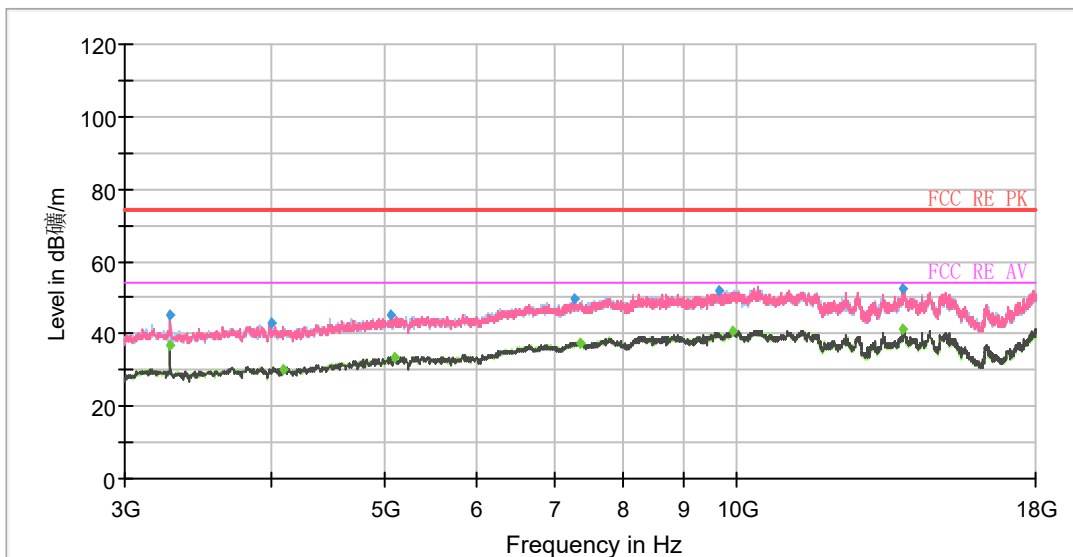
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11ax HE20 CH11



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



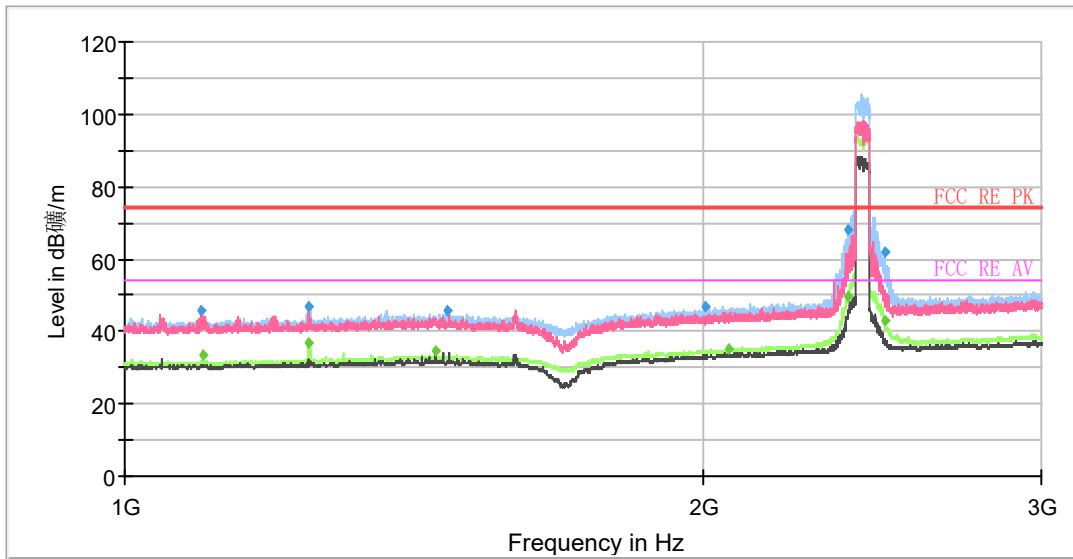
Radiates Emission from 3GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1007.75         | ---                    | 34.11                  | 54.00                | 19.89       | 500.00          | 200.0       | H   | 355.00        | -3           |
| 1144.75         | 46.42                  | ---                    | 74.00                | 27.58       | 500.00          | 200.0       | H   | 223.00        | -2           |
| 1247.25         | 47.75                  | ---                    | 74.00                | 26.25       | 500.00          | 100.0       | V   | 201.00        | -2           |
| 1248.25         | ---                    | 34.88                  | 54.00                | 19.12       | 500.00          | 200.0       | H   | 306.00        | -2           |
| 1596.00         | 46.11                  | ---                    | 74.00                | 27.89       | 500.00          | 200.0       | V   | 257.00        | -1           |
| 1723.50         | ---                    | 34.39                  | 54.00                | 19.61       | 500.00          | 200.0       | H   | 190.00        | 0            |
| 2055.00         | 46.79                  | ---                    | 74.00                | 27.21       | 500.00          | 100.0       | H   | 31.00         | 1            |
| 2076.75         | ---                    | 35.50                  | 54.00                | 18.50       | 500.00          | 200.0       | H   | 344.00        | 1            |
| 2498.50         | 54.66                  | ---                    | 74.00                | 19.34       | 500.00          | 100.0       | H   | 284.00        | 3            |
| 2499.00         | ---                    | 41.78                  | 54.00                | 12.22       | 500.00          | 100.0       | H   | 275.00        | 3            |
| 2881.75         | 48.79                  | ---                    | 74.00                | 25.21       | 500.00          | 100.0       | H   | 5.00          | 4            |
| 2921.75         | ---                    | 38.80                  | 54.00                | 15.20       | 500.00          | 200.0       | H   | 355.00        | 5            |

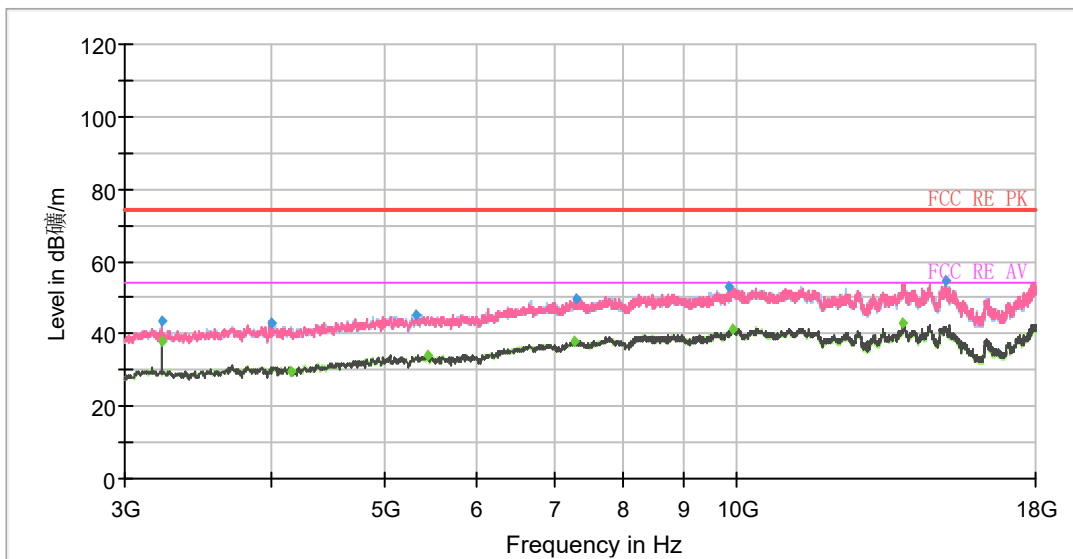
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11ax HE40 CH3



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



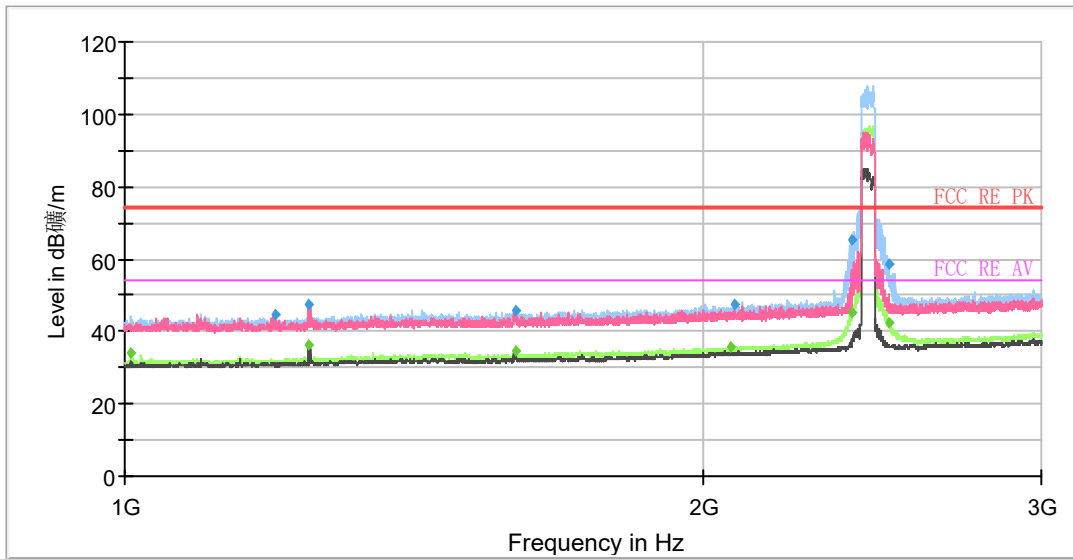
Radiates Emission from 3GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1094.75         | 45.67                  | ---                    | 74.00                | 28.33       | 500.00          | 100.0       | V   | 0.00          | -2           |
| 1098.75         | ---                    | 33.56                  | 54.00                | 20.44       | 500.00          | 100.0       | H   | 157.00        | -2           |
| 1247.25         | 47.15                  | ---                    | 74.00                | 26.85       | 500.00          | 100.0       | H   | 188.00        | -2           |
| 1247.25         | ---                    | 36.59                  | 54.00                | 17.41       | 500.00          | 100.0       | H   | 188.00        | -2           |
| 1452.25         | ---                    | 34.66                  | 54.00                | 19.34       | 500.00          | 100.0       | H   | 323.00        | -1           |
| 1472.50         | 45.78                  | ---                    | 74.00                | 28.22       | 500.00          | 100.0       | H   | 311.00        | -1           |
| 2005.75         | 47.05                  | ---                    | 74.00                | 26.95       | 500.00          | 100.0       | H   | 279.00        | 1            |
| 2064.25         | ---                    | 35.08                  | 54.00                | 18.92       | 500.00          | 100.0       | H   | 221.00        | 1            |
| 2379.50         | ---                    | 49.55                  | 54.00                | 4.45        | 500.00          | 100.0       | H   | 348.00        | 3            |
| 2380.25         | 68.17                  | ---                    | 74.00                | 5.83        | 500.00          | 100.0       | H   | 344.00        | 3            |
| 2485.00         | 62.15                  | ---                    | 74.00                | 11.85       | 500.00          | 100.0       | H   | 357.00        | 3            |
| 2486.25         | ---                    | 42.75                  | 54.00                | 11.25       | 500.00          | 100.0       | H   | 348.00        | 3            |

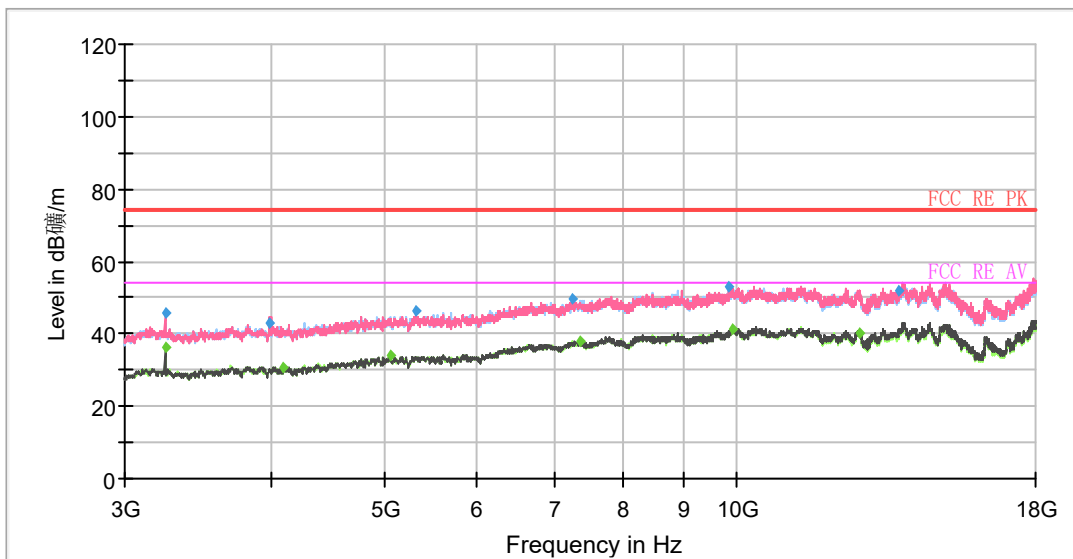
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11ax HE40 CH6



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



Radiates Emission from 3GHz to 18GHz

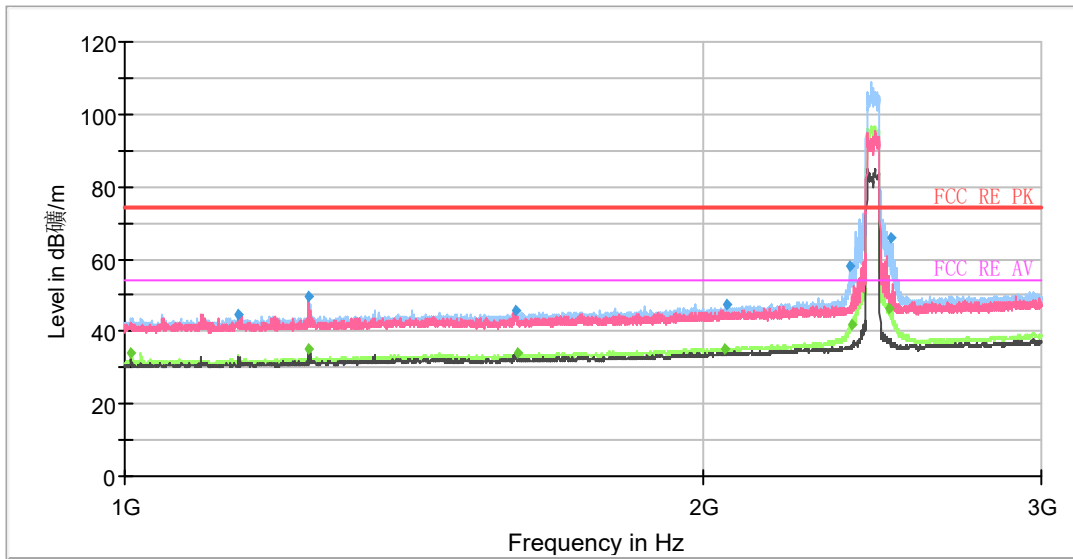


| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1008.00         | ---                    | 34.21                  | 54.00                | 19.79       | 500.00          | 200.0       | H   | 3.00          | -3           |
| 1198.00         | 44.87                  | ---                    | 74.00                | 29.13       | 500.00          | 200.0       | V   | 184.00        | -2           |
| 1247.50         | ---                    | 36.15                  | 54.00                | 17.85       | 500.00          | 100.0       | V   | 222.00        | -2           |
| 1247.50         | 47.53                  | ---                    | 74.00                | 26.47       | 500.00          | 100.0       | V   | 222.00        | -2           |
| 1596.00         | 45.86                  | ---                    | 74.00                | 28.14       | 500.00          | 100.0       | H   | 104.00        | -1           |
| 1597.50         | ---                    | 34.57                  | 54.00                | 19.43       | 500.00          | 100.0       | V   | 126.00        | -1           |
| 2069.50         | ---                    | 35.55                  | 54.00                | 18.45       | 500.00          | 100.0       | H   | 358.00        | 1            |
| 2077.75         | 47.33                  | ---                    | 74.00                | 26.67       | 500.00          | 200.0       | H   | 28.00         | 1            |
| 2388.25         | 65.18                  | ---                    | 74.00                | 8.82        | 500.00          | 100.0       | H   | 271.00        | 3            |
| 2388.75         | ---                    | 45.39                  | 54.00                | 8.61        | 500.00          | 100.0       | H   | 265.00        | 3            |
| 2498.50         | ---                    | 42.38                  | 54.00                | 11.62       | 500.00          | 100.0       | H   | 271.00        | 3            |
| 2499.50         | 58.58                  | ---                    | 74.00                | 15.42       | 500.00          | 200.0       | H   | 276.00        | 3            |

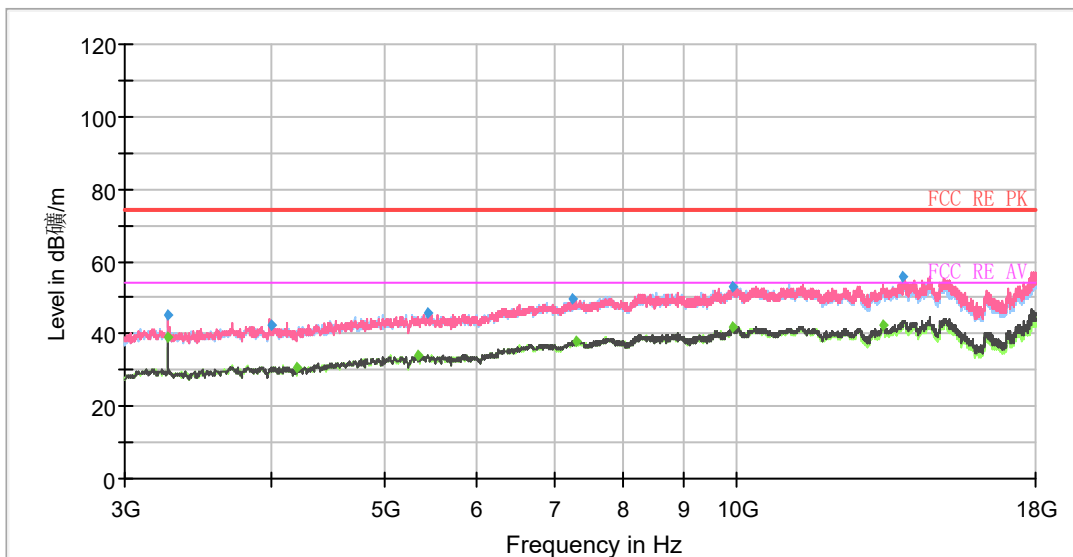
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11ax HE40 CH9



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



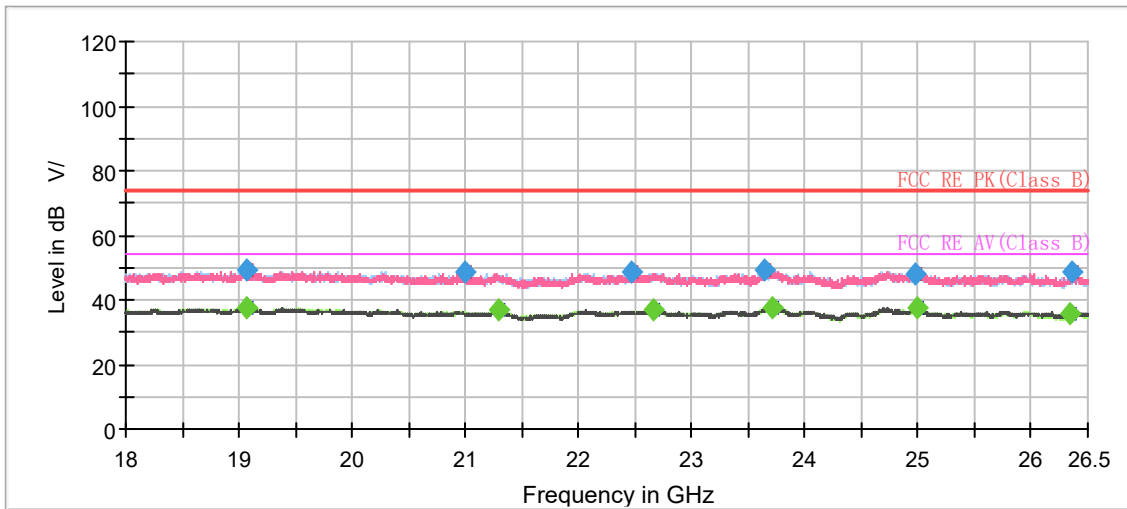
Radiates Emission from 3GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1007.75         | ---                    | 33.96                  | 54.00                | 20.04       | 500.00          | 200.0       | H   | 4.00          | -3           |
| 1146.00         | 44.70                  | ---                    | 74.00                | 29.30       | 500.00          | 200.0       | H   | 221.00        | -2           |
| 1247.25         | ---                    | 35.34                  | 54.00                | 18.66       | 500.00          | 100.0       | V   | 304.00        | -2           |
| 1247.25         | 49.54                  | ---                    | 74.00                | 24.46       | 500.00          | 100.0       | V   | 304.00        | -2           |
| 1598.75         | 45.82                  | ---                    | 74.00                | 28.18       | 500.00          | 100.0       | V   | 232.00        | -1           |
| 1599.75         | ---                    | 34.25                  | 54.00                | 19.75       | 500.00          | 100.0       | V   | 149.00        | -1           |
| 2052.75         | ---                    | 35.39                  | 54.00                | 18.61       | 500.00          | 100.0       | H   | 330.00        | 1            |
| 2055.75         | 47.37                  | ---                    | 74.00                | 26.63       | 500.00          | 200.0       | H   | 20.00         | 1            |
| 2386.75         | 57.97                  | ---                    | 74.00                | 16.03       | 500.00          | 100.0       | H   | 265.00        | 3            |
| 2388.75         | ---                    | 41.90                  | 54.00                | 12.10       | 500.00          | 200.0       | H   | 267.00        | 3            |
| 2498.75         | ---                    | 46.58                  | 54.00                | 7.42        | 500.00          | 100.0       | H   | 272.00        | 3            |
| 2504.25         | 65.89                  | ---                    | 74.00                | 8.11        | 500.00          | 100.0       | H   | 252.00        | 3            |

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

**2. Margin = Limit –MAX Peak/ Average**

During the test, the Radiates Emission from 18GHz to 26.5GHz was performed in all modes with all channels, 802.11ax HE40, Channel 3 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.



Radiates Emission from 18GHz to 26.5GHz

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 19072.062500    | ---              | 37.34            | 54.00          | 16.66       | 500.0           | 100.0       | H   | 208.0         | -5.7         |
| 19074.187500    | 49.45            | ---              | 74.00          | 24.55       | 500.0           | 100.0       | H   | 228.0         | -5.7         |
| 20995.187500    | 48.50            | ---              | 74.00          | 25.50       | 500.0           | 100.0       | H   | 356.0         | -5.1         |
| 21301.187500    | ---              | 36.63            | 54.00          | 17.37       | 500.0           | 100.0       | H   | 265.0         | -5.2         |
| 22477.375000    | 48.39            | ---              | 74.00          | 25.61       | 500.0           | 100.0       | H   | 208.0         | -3.9         |
| 22668.625000    | ---              | 36.95            | 54.00          | 17.05       | 500.0           | 200.0       | V   | 250.0         | -4.0         |
| 23651.437500    | 49.19            | ---              | 74.00          | 24.81       | 500.0           | 100.0       | V   | 83.0          | -2.6         |
| 23717.312500    | ---              | 37.74            | 54.00          | 16.26       | 500.0           | 100.0       | H   | 342.0         | -2.4         |
| 24976.375000    | 47.92            | ---              | 74.00          | 26.08       | 500.0           | 100.0       | V   | 113.0         | -2.5         |
| 24999.750000    | ---              | 37.53            | 54.00          | 16.47       | 500.0           | 100.0       | H   | 189.0         | -2.5         |
| 26335.312500    | ---              | 35.70            | 54.00          | 18.30       | 500.0           | 100.0       | H   | 332.0         | -2.3         |
| 26362.937500    | 48.43            | ---              | 74.00          | 25.57       | 500.0           | 100.0       | V   | 200.0         | -2.3         |

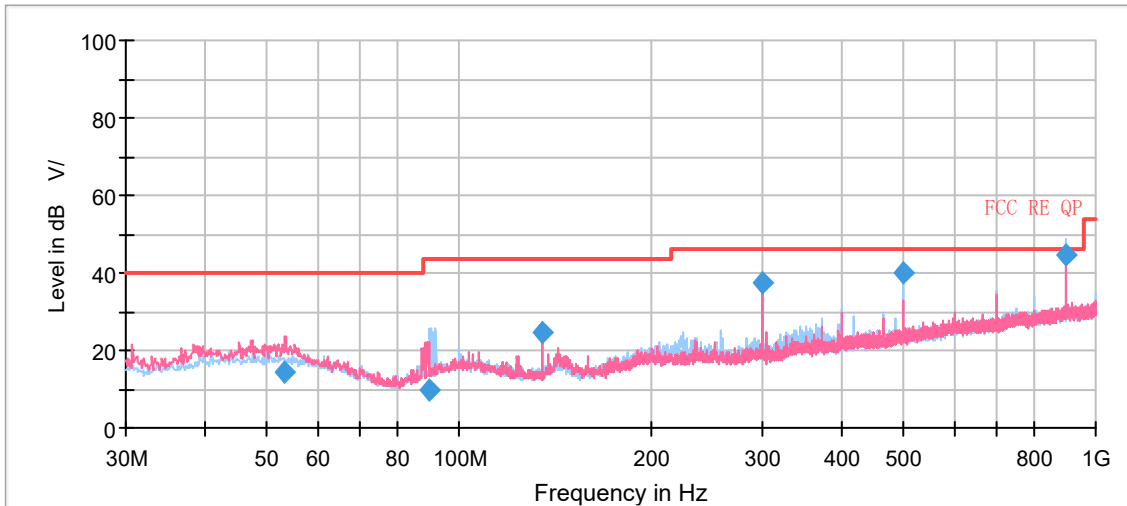
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

**Thread**

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels, Thread Channel 18 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

A symbol ( $\text{dB } \mu\text{V/m}$ ) in the test plot below means ( $\text{dB}\mu\text{V/m}$ )



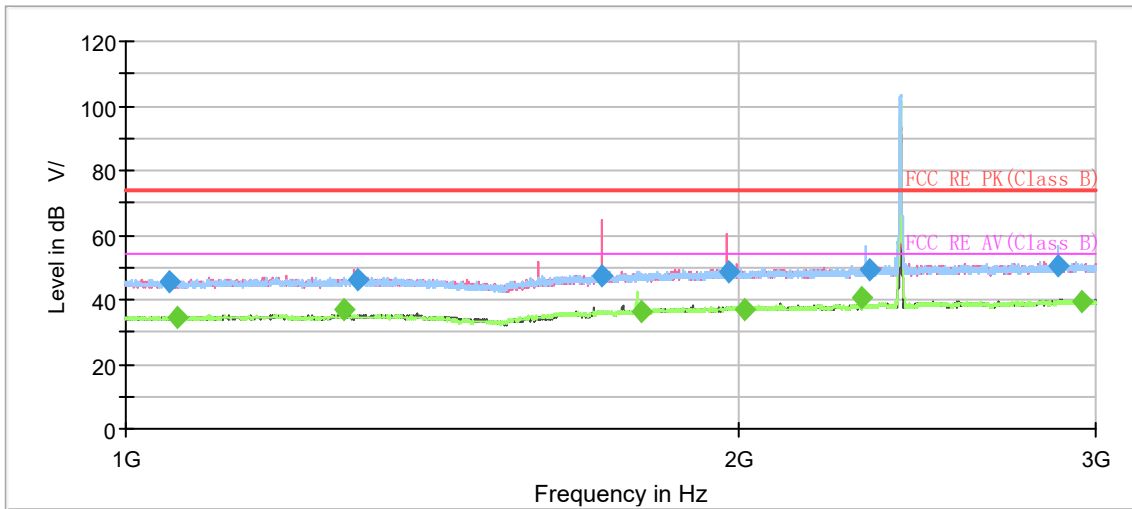
Radiates Emission from 30MHz to 1GHz

| Frequency (MHz) | Quasi-Peak ( $\text{dB}\mu\text{V/m}$ ) | Limit ( $\text{dB}\mu\text{V/m}$ ) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---|------------------------------------|-------------|-------------|--------------|---------------|---------------------|
| 53.082500       | 14.26                                   | 40.00                              | 25.74       | 100.0       | V            | 79.0          | 20.3                |
| 89.580000       | 9.78                                    | 43.50                              | 33.72       | 225.0       | H            | 148.0         | 16.2                |
| 135.163750      | 24.52                                   | 43.50                              | 18.98       | 100.0       | V            | 189.0         | 14.9                |
| 300.023750      | 37.59                                   | 46.00                              | 8.41        | 175.0       | V            | 121.0         | 20.4                |
| 500.005000      | 39.91                                   | 46.00                              | 6.09        | 186.0       | H            | 70.0          | 24.8                |
| 900.008750      | 44.45                                   | 46.00                              | 1.55        | 100.0       | H            | 155.0         | 30.3                |

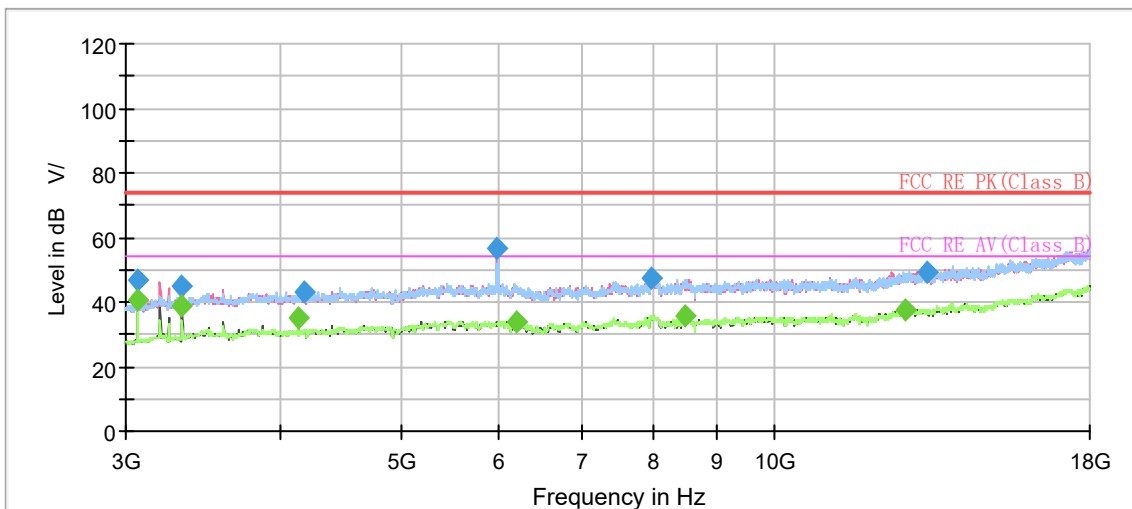
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit – Quasi-Peak**

Thread Channel 11



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



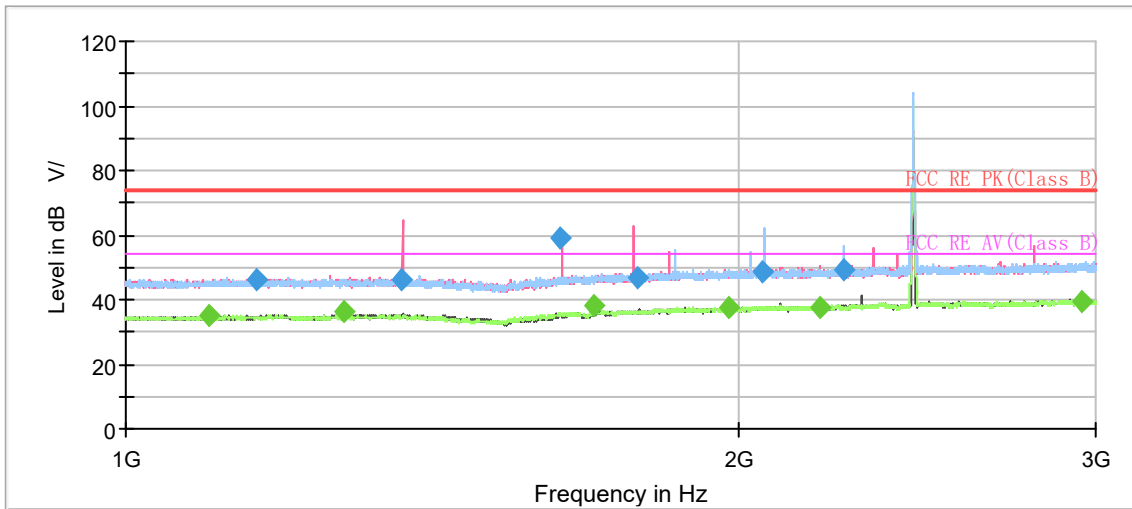
Radiates Emission from 3GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1051.231176     | 45.26                  | ---                    | 74.00                | 28.74       | 500.0           | 400.0       | V   | 331.0         | 3.6          |
| 1059.090395     | ---                    | 34.22                  | 54.00                | 19.78       | 500.0           | 300.0       | V   | 338.0         | 3.7          |
| 1280.071550     | ---                    | 36.88                  | 54.00                | 17.12       | 500.0           | 100.0       | H   | 192.0         | 5.0          |
| 1301.508211     | 45.96                  | ---                    | 74.00                | 28.04       | 500.0           | 100.0       | V   | 174.0         | 5.0          |
| 1715.258576     | 47.37                  | ---                    | 74.00                | 26.63       | 500.0           | 100.0       | V   | 156.0         | 7.4          |
| 1792.685850     | ---                    | 36.32                  | 54.00                | 17.68       | 500.0           | 200.0       | H   | 171.0         | 7.5          |
| 1979.211471     | 48.46                  | ---                    | 74.00                | 25.54       | 500.0           | 300.0       | V   | 19.0          | 8.5          |
| 2014.809263     | ---                    | 37.16                  | 54.00                | 16.84       | 500.0           | 300.0       | H   | 329.0         | 8.4          |
| 2299.985625     | ---                    | 40.51                  | 54.00                | 13.49       | 500.0           | 100.0       | V   | 283.0         | 9.6          |
| 2319.959148     | 49.11                  | ---                    | 74.00                | 24.89       | 500.0           | 300.0       | H   | 2.0           | 9.6          |
| 2877.192061     | 50.33                  | ---                    | 74.00                | 23.67       | 500.0           | 200.0       | H   | 46.0          | 11.3         |
| 2952.068625     | ---                    | 39.55                  | 54.00                | 14.45       | 500.0           | 300.0       | H   | 282.0         | 11.8         |

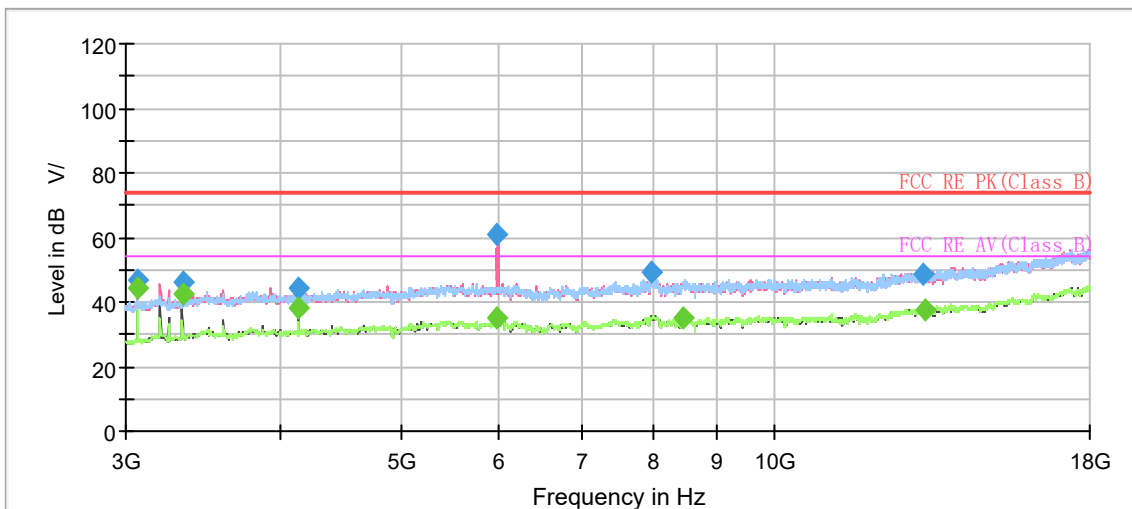
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

Thread Channel 18



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



Radiates Emission from 3GHz to 18GHz

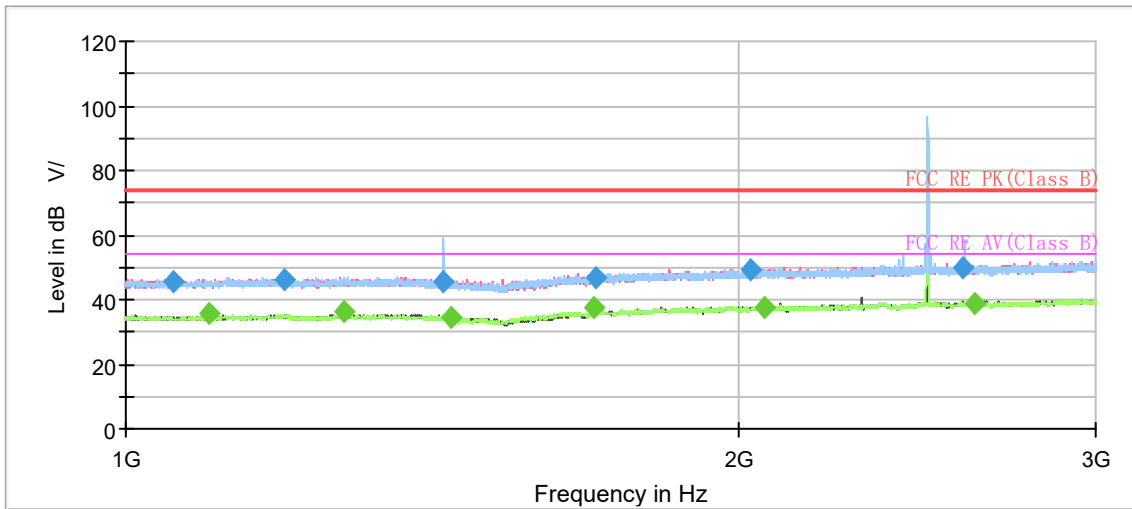


| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1100.090938     | ---                    | 35.22                  | 54.00                | 18.78       | 500.0           | 100.0       | H   | 223.0         | 3.9          |
| 1159.304334     | 46.44                  | ---                    | 74.00                | 27.56       | 500.0           | 400.0       | V   | 218.0         | 4.2          |
| 1280.033600     | ---                    | 36.03                  | 54.00                | 17.97       | 500.0           | 100.0       | H   | 177.0         | 5.0          |
| 1366.095085     | 46.15                  | ---                    | 74.00                | 27.85       | 500.0           | 300.0       | V   | 157.0         | 5.5          |
| 1634.244372     | 58.82                  | ---                    | 74.00                | 15.18       | 500.0           | 200.0       | V   | 240.0         | 7.0          |
| 1699.963875     | ---                    | 37.86                  | 54.00                | 16.14       | 500.0           | 200.0       | V   | 281.0         | 7.4          |
| 1786.185218     | 47.07                  | ---                    | 74.00                | 26.93       | 500.0           | 100.0       | V   | 193.0         | 7.5          |
| 1979.966814     | ---                    | 37.33                  | 54.00                | 16.67       | 500.0           | 200.0       | V   | 128.0         | 8.6          |
| 2057.056690     | 48.80                  | ---                    | 74.00                | 25.20       | 500.0           | 200.0       | H   | 13.0          | 8.9          |
| 2193.576160     | ---                    | 37.76                  | 54.00                | 16.24       | 500.0           | 300.0       | V   | 21.0          | 9.3          |
| 2254.942729     | 49.00                  | ---                    | 74.00                | 25.00       | 500.0           | 200.0       | H   | 88.0          | 9.5          |
| 2950.115851     | ---                    | 39.57                  | 54.00                | 14.43       | 500.0           | 300.0       | H   | 358.0         | 11.8         |
| 3066.636648     | ---                    | 44.11                  | 54.00                | 9.89        | 500.0           | 200.0       | V   | 336.0         | -8.4         |

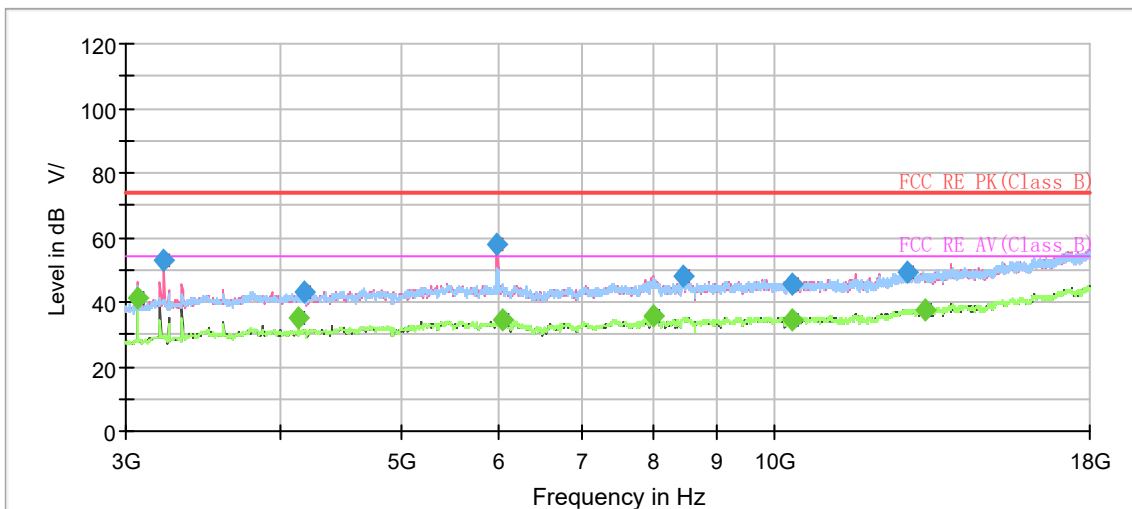
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit -MAX Peak/ Average**

Thread Channel 26



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



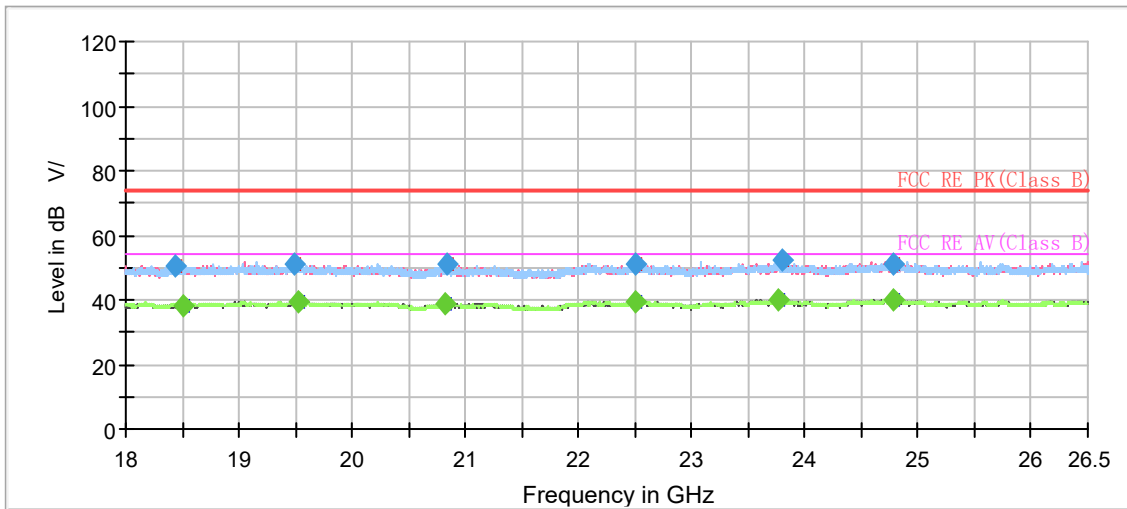
Radiates Emission from 3GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1054.921569     | 45.37                  | ---                    | 74.00                | 28.63       | 500.0           | 300.0       | V   | 196.0         | 3.6          |
| 1099.982125     | ---                    | 35.63                  | 54.00                | 18.37       | 500.0           | 200.0       | H   | 241.0         | 3.9          |
| 1195.906256     | 46.23                  | ---                    | 74.00                | 27.77       | 500.0           | 400.0       | V   | 27.0          | 4.5          |
| 1280.167535     | ---                    | 36.22                  | 54.00                | 17.78       | 500.0           | 100.0       | H   | 192.0         | 5.0          |
| 1433.037428     | 45.32                  | ---                    | 74.00                | 28.68       | 500.0           | 100.0       | H   | 133.0         | 5.9          |
| 1444.451158     | ---                    | 34.68                  | 54.00                | 19.32       | 500.0           | 400.0       | V   | 143.0         | 5.9          |
| 1699.987972     | ---                    | 37.61                  | 54.00                | 16.39       | 500.0           | 200.0       | V   | 277.0         | 7.4          |
| 1703.186973     | 46.49                  | ---                    | 74.00                | 27.51       | 500.0           | 400.0       | H   | 246.0         | 7.4          |
| 2028.681915     | 49.37                  | ---                    | 74.00                | 24.63       | 500.0           | 400.0       | H   | 138.0         | 8.5          |
| 2060.070939     | ---                    | 37.57                  | 54.00                | 16.43       | 500.0           | 300.0       | H   | 84.0          | 8.8          |
| 2578.639056     | 50.01                  | ---                    | 74.00                | 23.99       | 500.0           | 300.0       | H   | 102.0         | 10.7         |
| 2616.623803     | ---                    | 38.82                  | 54.00                | 15.18       | 500.0           | 300.0       | V   | 239.0         | 10.7         |

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

**2. Margin = Limit –MAX Peak/ Average**

During the test, the Radiates Emission from 18GHz to 26.5GHz was performed in all modes with all channels, Thread Channel 18 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.



Radiates Emission from 18GHz to 26.5GHz

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 18432.437500    | 50.18            | ---              | 74.00          | 23.82       | 500.0           | 100.0       | H   | 217.0         | -5.9         |
| 18506.812500    | ---              | 38.34            | 54.00          | 15.66       | 500.0           | 200.0       | V   | 302.0         | -5.8         |
| 19486.437500    | 51.24            | ---              | 74.00          | 22.76       | 500.0           | 200.0       | V   | 255.0         | -5.3         |
| 19521.500000    | ---              | 39.19            | 54.00          | 14.81       | 500.0           | 200.0       | V   | 145.0         | -5.3         |
| 20826.250000    | ---              | 39.05            | 54.00          | 14.95       | 500.0           | 200.0       | H   | 134.0         | -5.1         |
| 20835.812500    | 51.04            | ---              | 74.00          | 22.96       | 500.0           | 200.0       | V   | 269.0         | -5.1         |
| 22502.875000    | ---              | 39.69            | 54.00          | 14.31       | 500.0           | 200.0       | H   | 56.0          | -3.9         |
| 22508.187500    | 51.08            | ---              | 74.00          | 22.92       | 500.0           | 200.0       | H   | 66.0          | -3.9         |
| 23771.500000    | ---              | 39.96            | 54.00          | 14.04       | 500.0           | 100.0       | H   | 193.0         | -2.4         |
| 23797.000000    | 52.11            | ---              | 74.00          | 21.89       | 500.0           | 100.0       | H   | 208.0         | -2.5         |
| 24774.500000    | ---              | 39.89            | 54.00          | 14.11       | 500.0           | 200.0       | H   | 193.0         | -2.2         |
| 24781.937500    | 50.89            | ---              | 74.00          | 23.11       | 500.0           | 100.0       | V   | 112.0         | -2.2         |

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

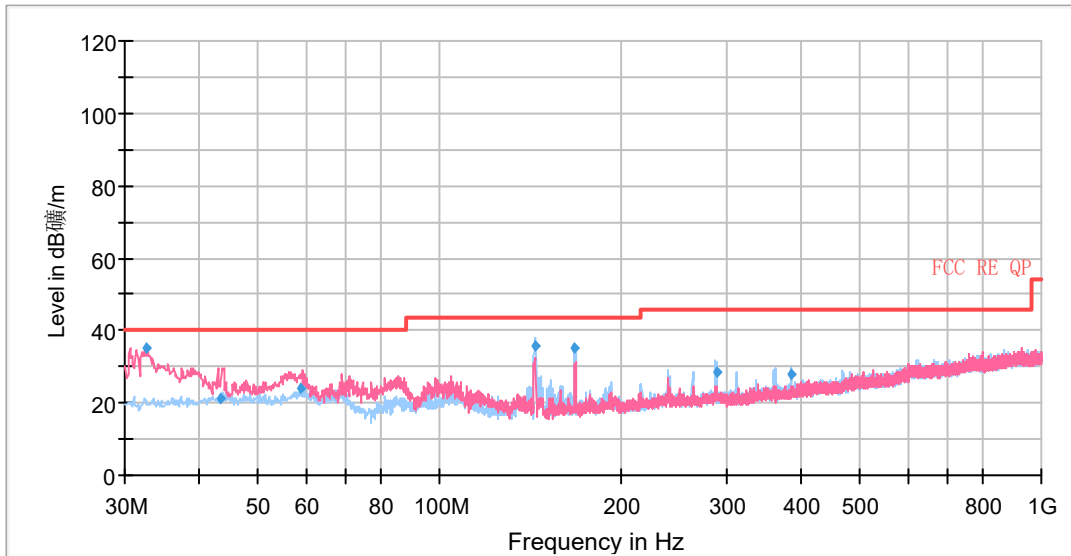
**2. Margin = Limit –MAX Peak/ Average**

**TB/ERSU Mode**

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels, TB Mode 802.11ax HE40 484-Tone Channel 3 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

A symbol (dB $\mu$ V/m) in the test plot below means (dB $\mu$ V/m)

A symbol (dB V/) in the test plot below means (dB $\mu$ V/m)



Radiates Emission from 30MHz to 1GHz

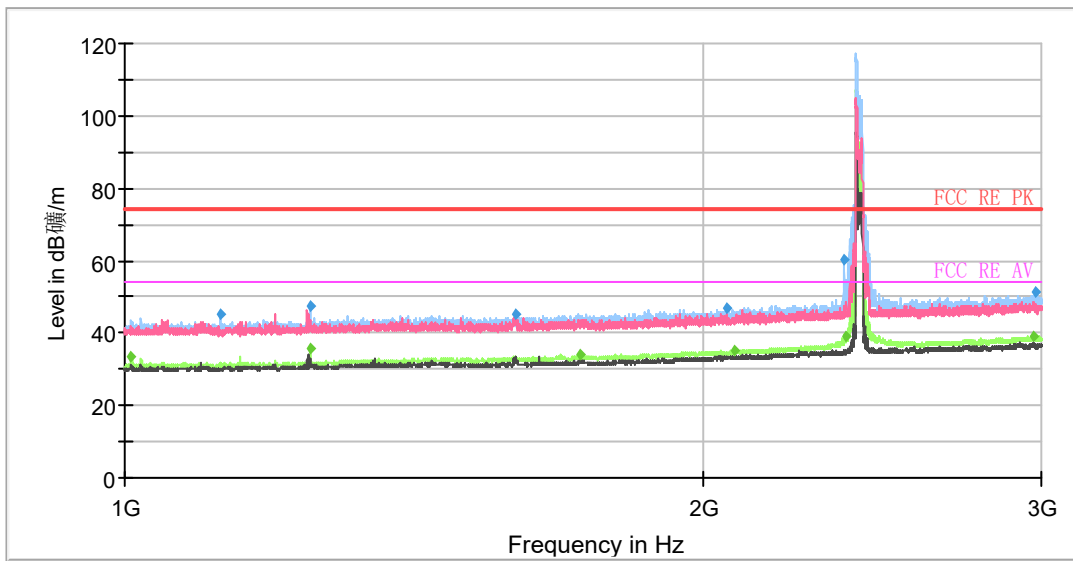
| Frequency (MHz) | Quasi-Peak (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|---------------------------|----------------------|-------------|-------------|--------------|---------------|---------------------|
| 32.59           | 34.97                     | 40.00                | 5.03        | 100.0       | V            | 30.00         | 13                  |
| 43.26           | 21.27                     | 40.00                | 18.73       | 100.0       | V            | 26.00         | 14                  |
| 58.70           | 23.79                     | 40.00                | 16.21       | 100.0       | V            | 94.00         | 15                  |
| 144.22          | 35.66                     | 43.50                | 7.84        | 223.0       | H            | 88.00         | 9                   |
| 167.98          | 35.25                     | 43.50                | 8.25        | 196.0       | H            | 110.00        | 11                  |
| 288.10          | 28.53                     | 46.00                | 17.47       | 122.0       | H            | 123.00        | 15                  |
| 384.29          | 27.63                     | 46.00                | 18.37       | 100.0       | H            | 36.00         | 18                  |

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

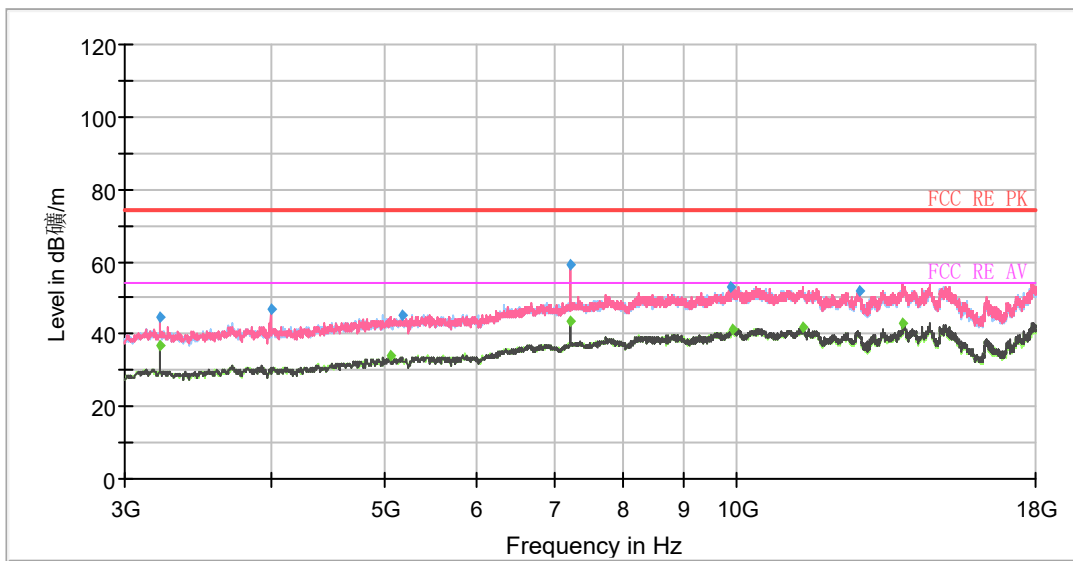
**2. Margin = Limit – Quasi-Peak**

**TB Mode**

**802.11ax HE20 26-Tone CH1**



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



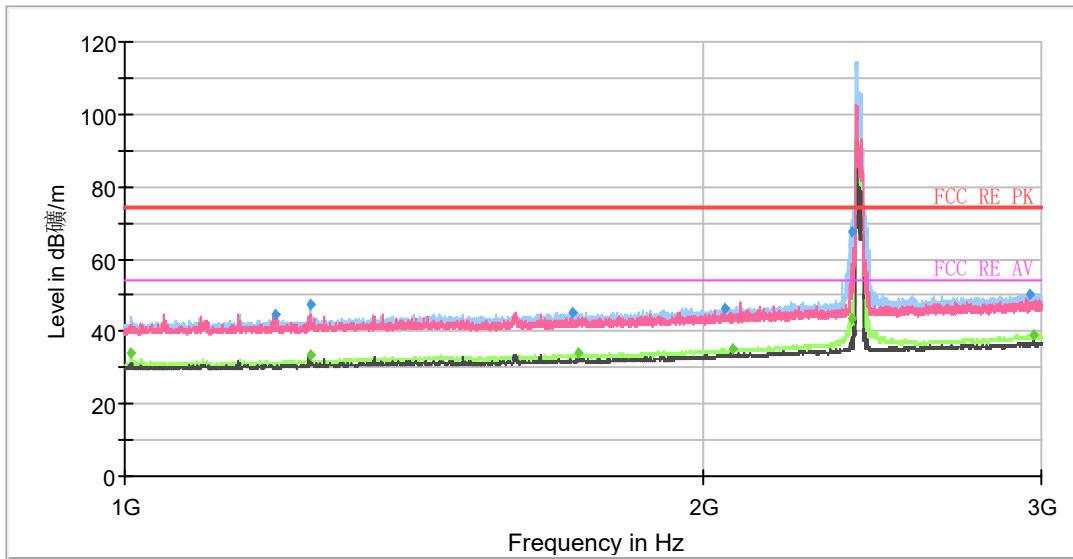
Radiates Emission from 3GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1007.75         | ---                    | 33.51                  | 54.00                | 20.49       | 500.00          | 200.0       | H   | 0.00          | -3           |
| 1122.00         | 45.42                  | ---                    | 74.00                | 28.58       | 500.00          | 200.0       | H   | 300.00        | -3           |
| 1248.50         | ---                    | 35.72                  | 54.00                | 18.28       | 500.00          | 200.0       | H   | 132.00        | -2           |
| 1248.50         | 47.23                  | ---                    | 74.00                | 26.77       | 500.00          | 200.0       | H   | 132.00        | -2           |
| 1598.75         | 45.20                  | ---                    | 74.00                | 28.80       | 500.00          | 100.0       | V   | 150.00        | -1           |
| 1726.00         | ---                    | 33.84                  | 54.00                | 20.16       | 500.00          | 200.0       | H   | 358.00        | 0            |
| 2059.75         | 46.69                  | ---                    | 74.00                | 27.31       | 500.00          | 100.0       | H   | 84.00         | 1            |
| 2074.50         | ---                    | 35.11                  | 54.00                | 18.89       | 500.00          | 200.0       | H   | 242.00        | 1            |
| 2369.25         | 60.26                  | ---                    | 74.00                | 13.74       | 500.00          | 100.0       | H   | 78.00         | 3            |
| 2371.00         | ---                    | 38.87                  | 54.00                | 15.13       | 500.00          | 200.0       | H   | 79.00         | 3            |
| 2972.00         | ---                    | 39.09                  | 54.00                | 14.91       | 500.00          | 200.0       | H   | 287.00        | 5            |
| 2976.25         | 51.09                  | ---                    | 74.00                | 22.91       | 500.00          | 200.0       | H   | 268.00        | 5            |

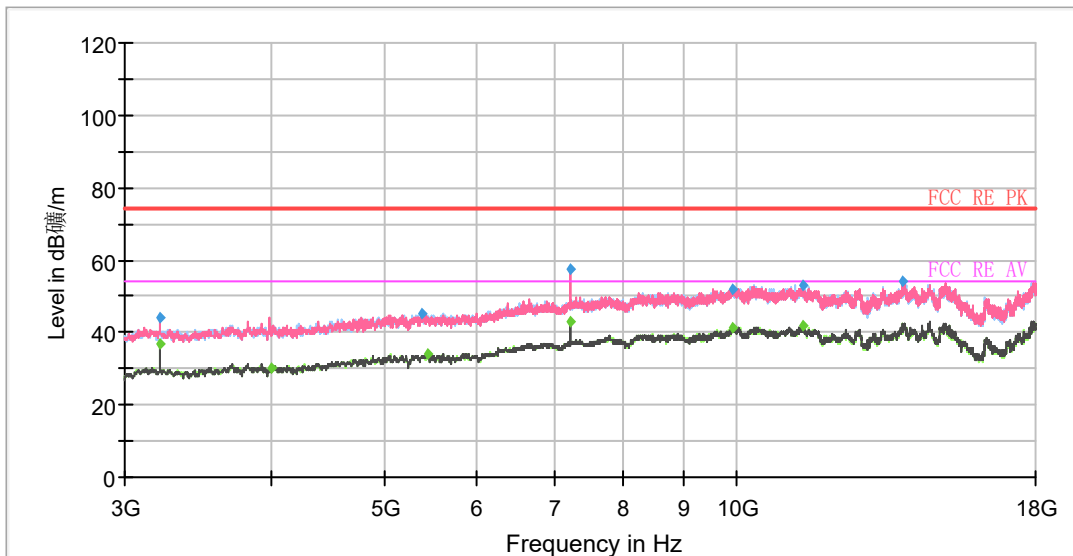
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11ax HE20 52-Tone CH1



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



Radiates Emission from 3GHz to 18GHz

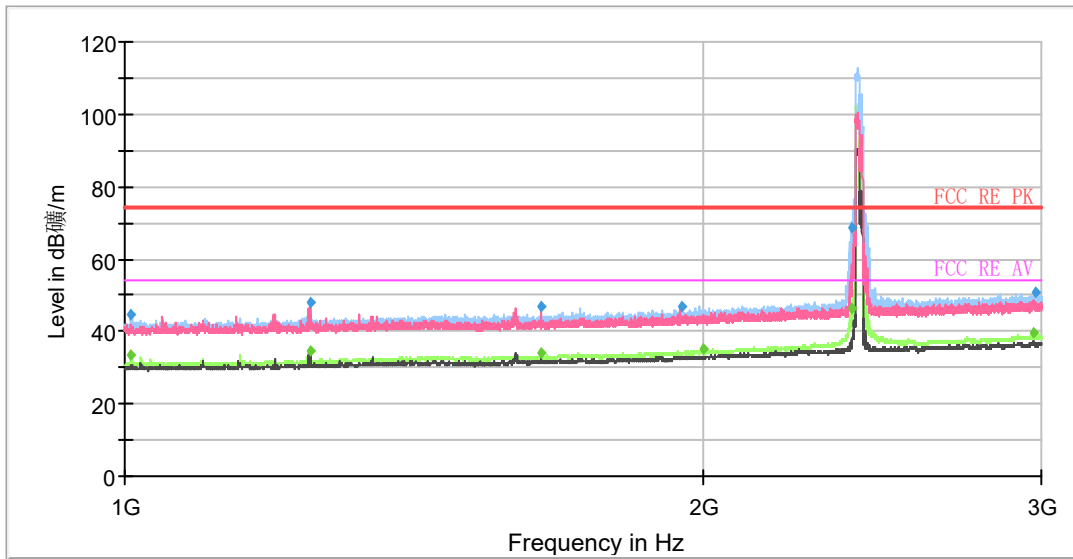


| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1008.00         | ---                    | 33.95                  | 54.00                | 20.05       | 500.00          | 200.0       | H   | 0.00          | -3           |
| 1198.25         | 44.71                  | ---                    | 74.00                | 29.29       | 500.00          | 100.0       | V   | 173.00        | -2           |
| 1249.75         | ---                    | 33.44                  | 54.00                | 20.56       | 500.00          | 200.0       | H   | 236.00        | -2           |
| 1249.75         | 47.62                  | ---                    | 74.00                | 26.38       | 500.00          | 200.0       | H   | 236.00        | -2           |
| 1709.75         | 45.19                  | ---                    | 74.00                | 28.81       | 500.00          | 200.0       | H   | 223.00        | 0            |
| 1722.00         | ---                    | 33.95                  | 54.00                | 20.05       | 500.00          | 100.0       | H   | 241.00        | 0            |
| 2050.75         | 46.47                  | ---                    | 74.00                | 27.53       | 500.00          | 100.0       | H   | 2.00          | 1            |
| 2074.00         | ---                    | 35.20                  | 54.00                | 18.80       | 500.00          | 100.0       | H   | 173.00        | 1            |
| 2388.25         | 67.31                  | ---                    | 74.00                | 6.69        | 500.00          | 100.0       | H   | 267.00        | 3            |
| 2388.50         | ---                    | 43.79                  | 54.00                | 10.21       | 500.00          | 200.0       | H   | 78.00         | 3            |
| 2957.75         | 50.46                  | ---                    | 74.00                | 23.54       | 500.00          | 100.0       | H   | 39.00         | 4            |
| 2971.00         | ---                    | 39.16                  | 54.00                | 14.84       | 500.00          | 200.0       | H   | 352.00        | 5            |

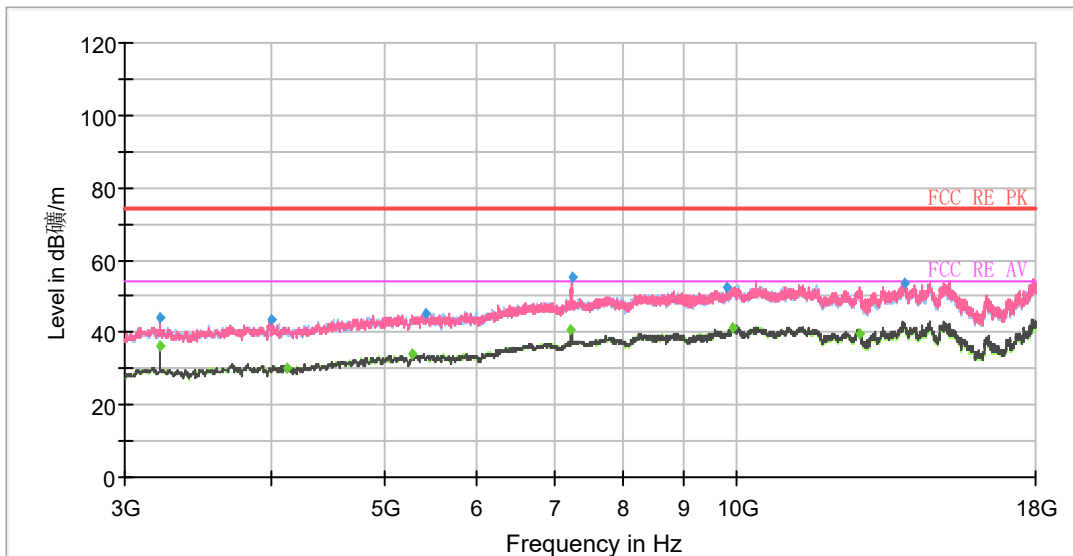
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11ax HE20 106-Tone CH1



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



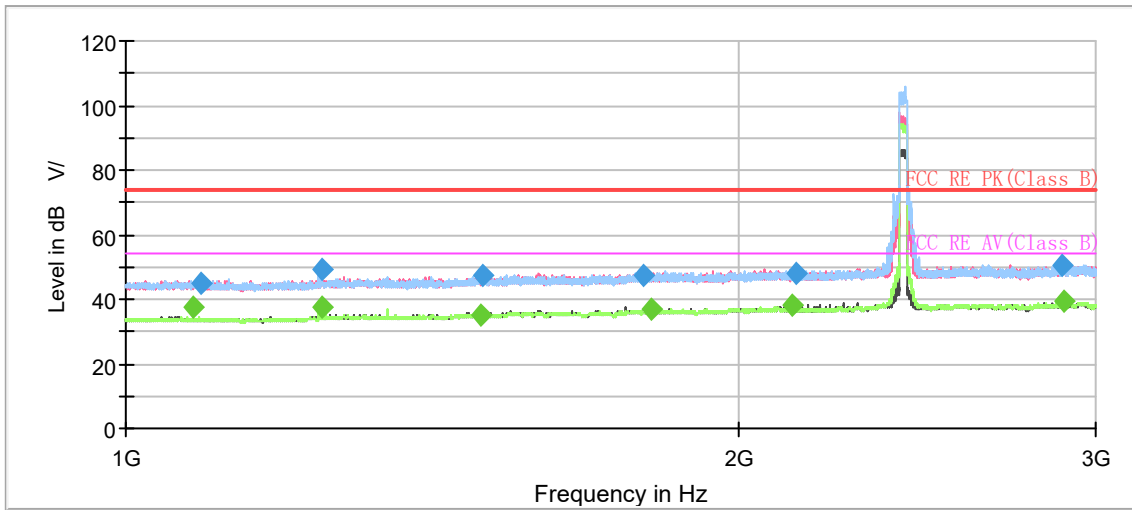
Radiates Emission from 3GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1008.00         | 44.75                  | ---                    | 74.00                | 29.25       | 500.00          | 200.0       | H   | 358.00        | -3           |
| 1008.00         | ---                    | 33.39                  | 54.00                | 20.61       | 500.00          | 200.0       | H   | 358.00        | -3           |
| 1248.50         | 47.89                  | ---                    | 74.00                | 26.11       | 500.00          | 100.0       | V   | 173.00        | -2           |
| 1248.75         | ---                    | 34.62                  | 54.00                | 19.38       | 500.00          | 100.0       | V   | 173.00        | -2           |
| 1645.75         | 47.07                  | ---                    | 74.00                | 26.93       | 500.00          | 100.0       | V   | 217.00        | -1           |
| 1645.75         | ---                    | 34.10                  | 54.00                | 19.90       | 500.00          | 100.0       | V   | 217.00        | -1           |
| 1950.75         | 46.77                  | ---                    | 74.00                | 27.23       | 500.00          | 100.0       | H   | 125.00        | 1            |
| 2001.00         | ---                    | 34.96                  | 54.00                | 19.04       | 500.00          | 100.0       | H   | 41.00         | 1            |
| 2389.75         | ---                    | 46.43                  | 54.00                | 7.57        | 500.00          | 200.0       | H   | 262.00        | 3            |
| 2389.75         | 68.50                  | ---                    | 74.00                | 5.50        | 500.00          | 200.0       | H   | 262.00        | 3            |
| 2971.50         | ---                    | 39.37                  | 54.00                | 14.63       | 500.00          | 200.0       | H   | 256.00        | 5            |
| 2977.25         | 50.55                  | ---                    | 74.00                | 23.45       | 500.00          | 200.0       | H   | 243.00        | 5            |

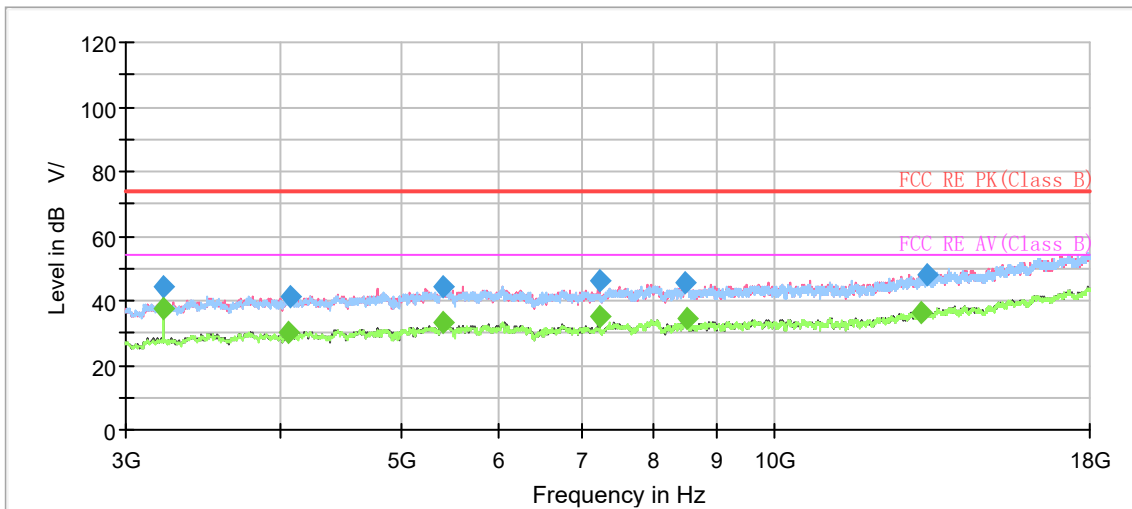
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11ax HE20 242Tone CH1



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



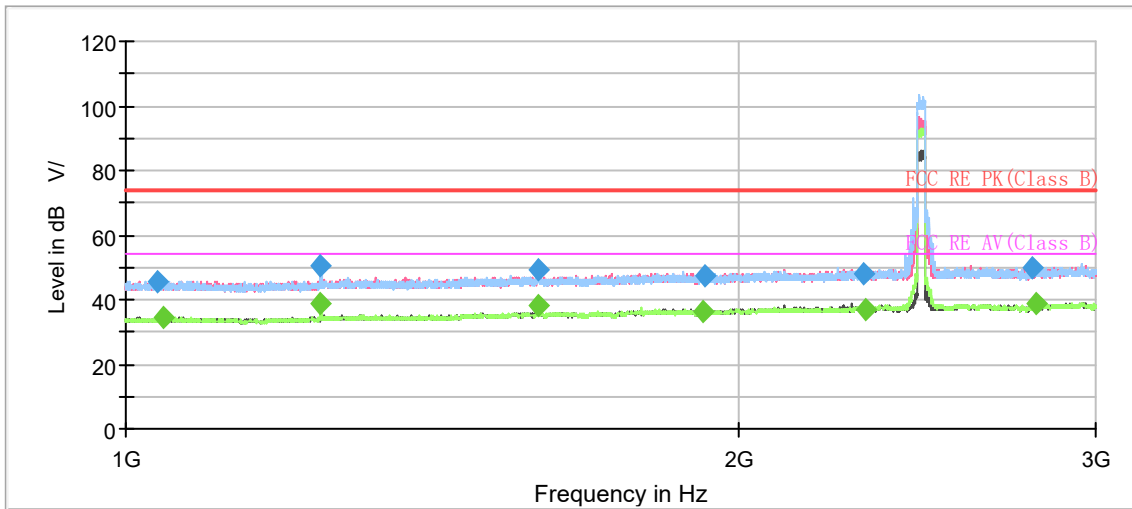
Radiates Emission from 3GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1079.500000     | ---                    | 37.72                  | 54.00                | 16.28       | 500.0           | 200.0       | H   | 134.0         | 3.7          |
| 1089.250000     | 45.12                  | ---                    | 74.00                | 28.88       | 500.0           | 200.0       | V   | 335.0         | 3.9          |
| 1249.250000     | ---                    | 37.43                  | 54.00                | 16.57       | 500.0           | 200.0       | H   | 260.0         | 4.8          |
| 1249.250000     | 49.49                  | ---                    | 74.00                | 24.51       | 500.0           | 200.0       | H   | 260.0         | 4.8          |
| 1495.000000     | ---                    | 35.30                  | 54.00                | 18.70       | 500.0           | 200.0       | V   | 341.0         | 6.3          |
| 1499.250000     | 47.38                  | ---                    | 74.00                | 26.62       | 500.0           | 200.0       | H   | 12.0          | 6.4          |
| 1797.250000     | 47.56                  | ---                    | 74.00                | 26.44       | 500.0           | 100.0       | H   | 171.0         | 7.6          |
| 1814.000000     | ---                    | 36.72                  | 54.00                | 17.28       | 500.0           | 100.0       | V   | 238.0         | 7.7          |
| 2128.750000     | ---                    | 38.13                  | 54.00                | 15.88       | 500.0           | 200.0       | V   | 237.0         | 9.1          |
| 2136.500000     | 48.31                  | ---                    | 74.00                | 25.69       | 500.0           | 100.0       | V   | 141.0         | 9.1          |
| 2885.750000     | 50.25                  | ---                    | 74.00                | 23.75       | 500.0           | 200.0       | V   | 220.0         | 11.3         |
| 2891.000000     | ---                    | 39.12                  | 54.00                | 14.88       | 500.0           | 100.0       | H   | 143.0         | 11.3         |

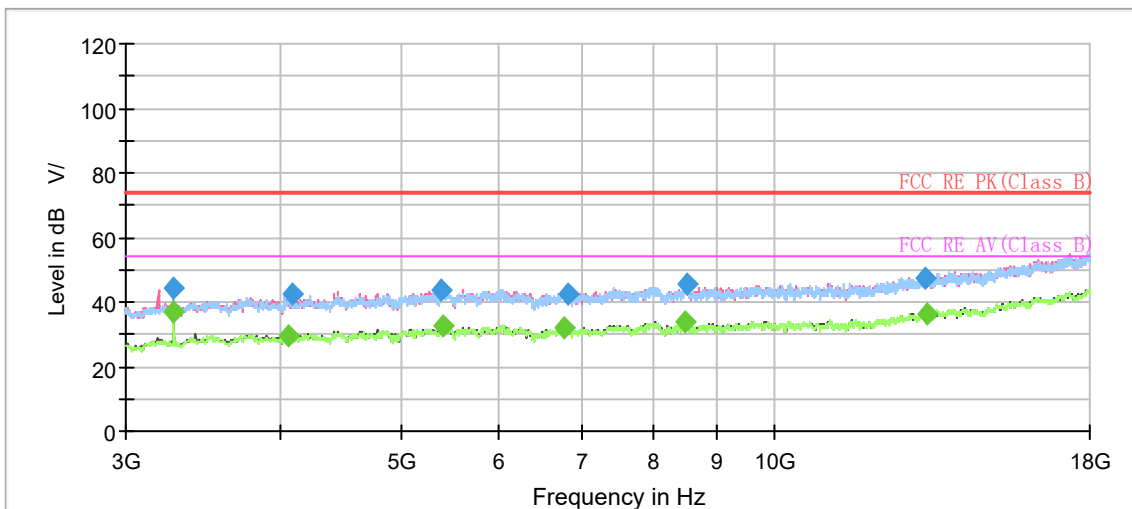
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11ax HE20 242-Tone CH11



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



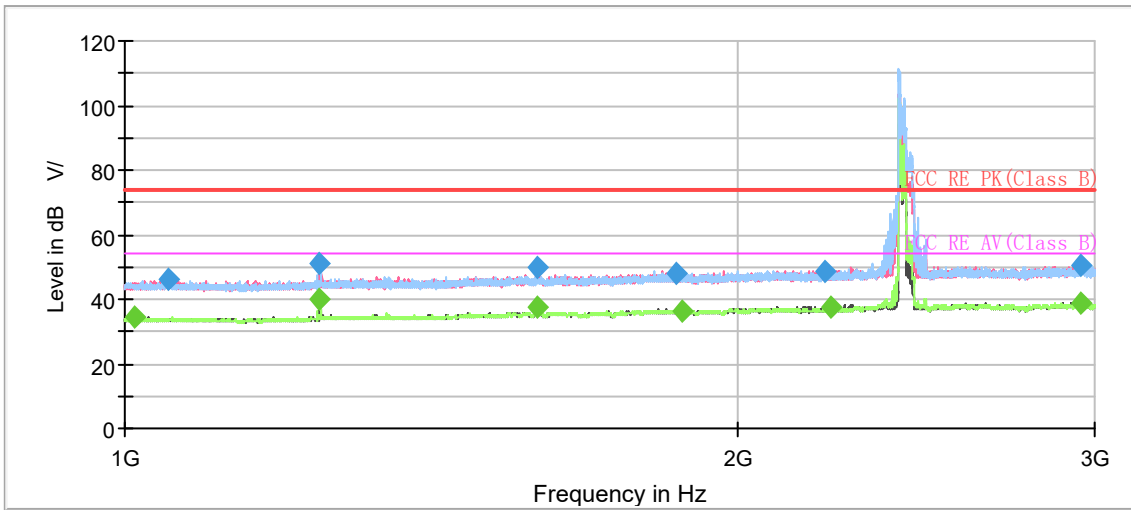
Radiates Emission from 3GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1037.750000     | 45.74                  | ---                    | 74.00                | 28.26       | 500.0           | 200.0       | V   | 357.0         | 3.5          |
| 1044.500000     | ---                    | 34.57                  | 54.00                | 19.43       | 500.0           | 100.0       | H   | 226.0         | 3.6          |
| 1245.250000     | ---                    | 38.49                  | 54.00                | 15.51       | 500.0           | 200.0       | V   | 163.0         | 4.8          |
| 1246.250000     | 50.21                  | ---                    | 74.00                | 23.79       | 500.0           | 200.0       | H   | 274.0         | 4.8          |
| 1595.000000     | 48.94                  | ---                    | 74.00                | 25.06       | 500.0           | 200.0       | V   | 117.0         | 6.8          |
| 1595.750000     | ---                    | 37.92                  | 54.00                | 16.08       | 500.0           | 200.0       | V   | 117.0         | 6.8          |
| 1921.500000     | ---                    | 36.55                  | 54.00                | 17.45       | 500.0           | 200.0       | V   | 295.0         | 8.2          |
| 1925.750000     | 47.68                  | ---                    | 74.00                | 26.32       | 500.0           | 200.0       | V   | 310.0         | 8.3          |
| 2305.750000     | 48.26                  | ---                    | 74.00                | 25.74       | 500.0           | 100.0       | V   | 218.0         | 9.6          |
| 2310.500000     | ---                    | 37.12                  | 54.00                | 16.88       | 500.0           | 200.0       | H   | 128.0         | 9.6          |
| 2792.750000     | 49.99                  | ---                    | 74.00                | 24.01       | 500.0           | 200.0       | H   | 296.0         | 11.0         |
| 2807.250000     | ---                    | 38.89                  | 54.00                | 15.11       | 500.0           | 200.0       | V   | 117.0         | 11.1         |

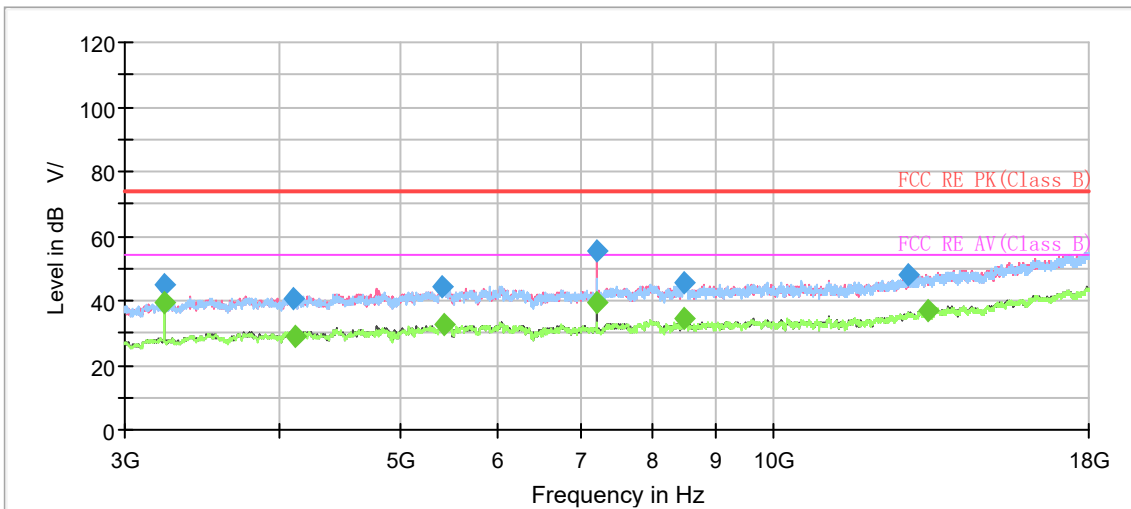
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11ax HE40 26-Tone CH3



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



Radiates Emission from 3GHz to 18GHz

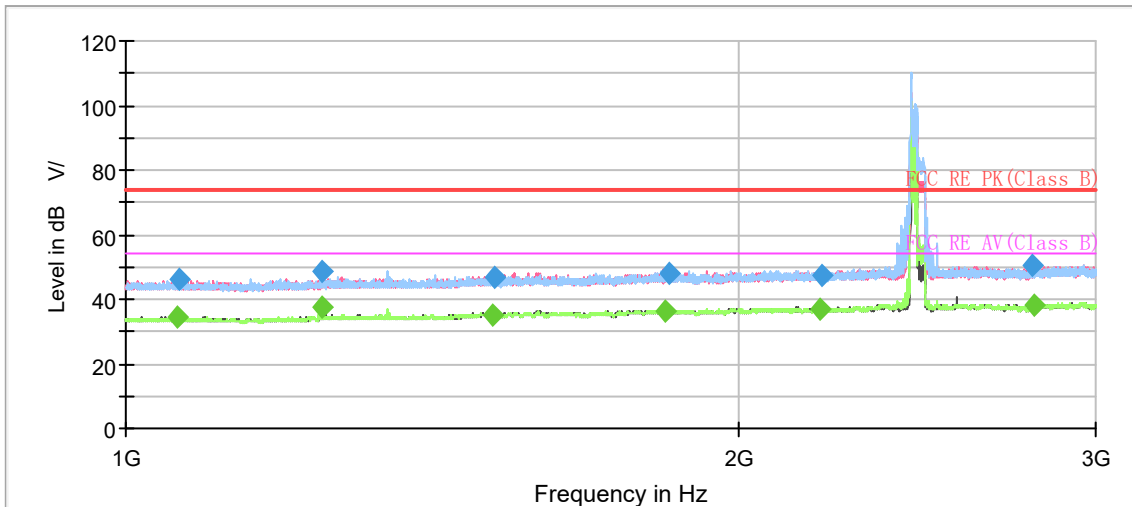


| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1010.500000     | ---                    | 34.27                  | 54.00                | 19.73       | 500.0           | 200.0       | H   | 337.0         | 3.3          |
| 1050.750000     | 45.97                  | ---                    | 74.00                | 28.03       | 500.0           | 200.0       | V   | 163.0         | 3.6          |
| 1246.500000     | ---                    | 40.08                  | 54.00                | 13.92       | 500.0           | 200.0       | V   | 146.0         | 4.8          |
| 1246.500000     | 51.28                  | ---                    | 74.00                | 22.72       | 500.0           | 200.0       | V   | 146.0         | 4.8          |
| 1595.250000     | 49.65                  | ---                    | 74.00                | 24.35       | 500.0           | 200.0       | V   | 274.0         | 6.8          |
| 1596.500000     | ---                    | 37.52                  | 54.00                | 16.48       | 500.0           | 200.0       | V   | 274.0         | 6.8          |
| 1868.250000     | 48.04                  | ---                    | 74.00                | 25.96       | 500.0           | 200.0       | H   | 2.0           | 8.0          |
| 1881.500000     | ---                    | 36.37                  | 54.00                | 17.63       | 500.0           | 200.0       | V   | 297.0         | 8.2          |
| 2209.500000     | 48.48                  | ---                    | 74.00                | 25.52       | 500.0           | 200.0       | V   | 155.0         | 9.3          |
| 2224.000000     | ---                    | 37.64                  | 54.00                | 16.36       | 500.0           | 200.0       | V   | 146.0         | 9.4          |
| 2953.750000     | 50.30                  | ---                    | 74.00                | 23.70       | 500.0           | 100.0       | V   | 251.0         | 11.8         |
| 2955.500000     | ---                    | 38.94                  | 54.00                | 15.06       | 500.0           | 100.0       | H   | 307.0         | 11.8         |

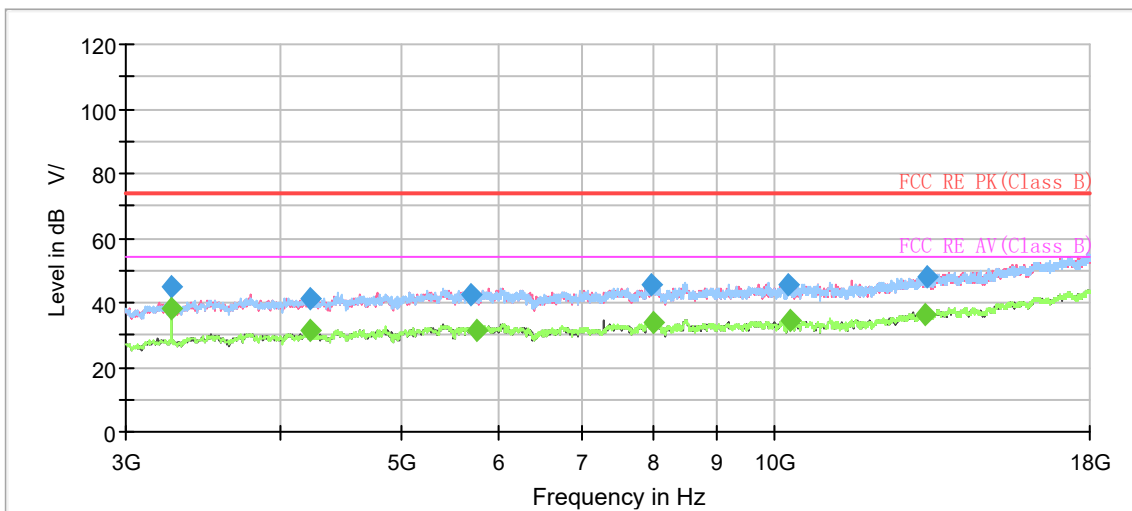
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11ax HE40 26-Tone CH9



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



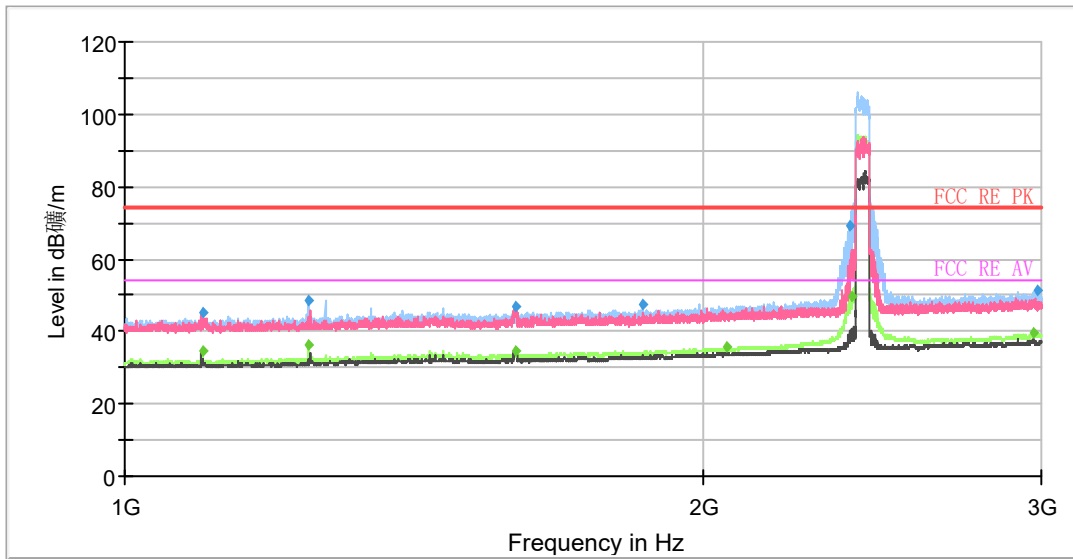
Radiates Emission from 3GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1061.000000     | ---                    | 34.33                  | 54.00                | 19.67       | 500.0           | 200.0       | V   | 324.0         | 3.7          |
| 1062.250000     | 45.93                  | ---                    | 74.00                | 28.07       | 500.0           | 100.0       | V   | 0.0           | 3.7          |
| 1248.250000     | ---                    | 37.59                  | 54.00                | 16.41       | 500.0           | 200.0       | V   | 164.0         | 4.8          |
| 1250.000000     | 48.91                  | ---                    | 74.00                | 25.09       | 500.0           | 100.0       | H   | 294.0         | 4.8          |
| 1515.000000     | ---                    | 34.87                  | 54.00                | 19.13       | 500.0           | 100.0       | V   | 339.0         | 6.3          |
| 1517.750000     | 46.97                  | ---                    | 74.00                | 27.03       | 500.0           | 100.0       | H   | 358.0         | 6.2          |
| 1844.000000     | ---                    | 36.14                  | 54.00                | 17.86       | 500.0           | 200.0       | V   | 40.0          | 7.9          |
| 1849.250000     | 48.26                  | ---                    | 74.00                | 25.74       | 500.0           | 100.0       | V   | 0.0           | 7.9          |
| 2194.000000     | ---                    | 36.91                  | 54.00                | 17.09       | 500.0           | 100.0       | V   | 355.0         | 9.3          |
| 2200.000000     | 47.67                  | ---                    | 74.00                | 26.33       | 500.0           | 200.0       | V   | 324.0         | 9.3          |
| 2794.750000     | 50.39                  | ---                    | 74.00                | 23.61       | 500.0           | 200.0       | V   | 132.0         | 11.0         |
| 2800.250000     | ---                    | 38.03                  | 54.00                | 15.97       | 500.0           | 200.0       | V   | 24.0          | 11.0         |

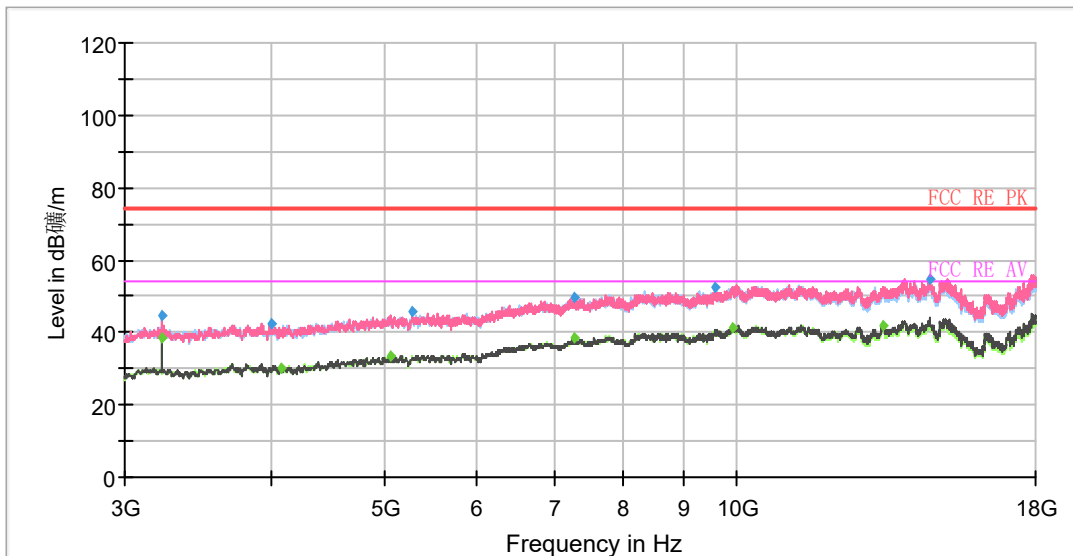
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11ax HE40 484-Tone CH3



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



Radiates Emission from 3GHz to 18GHz

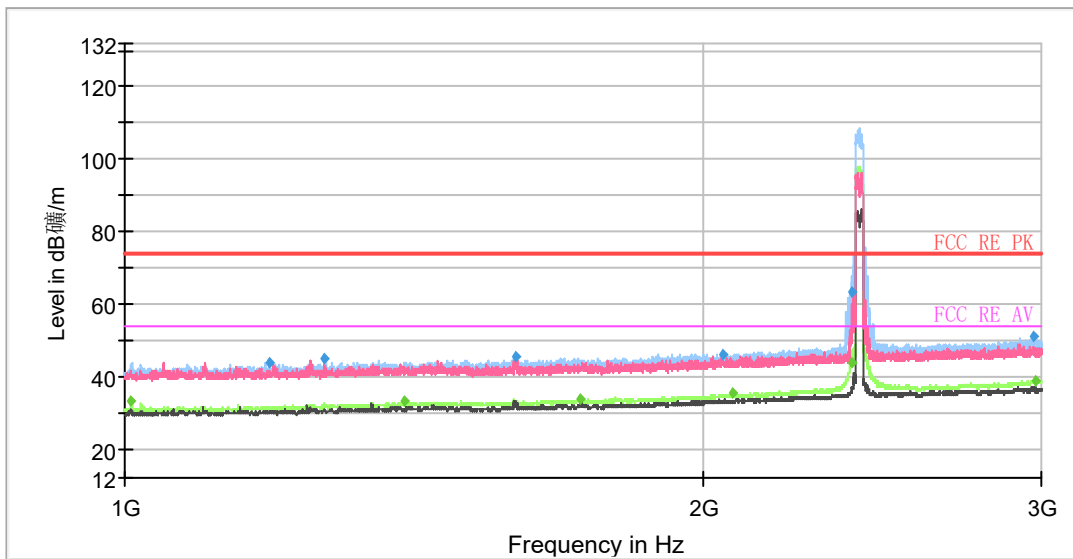
| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1097.75         | ---                    | 34.70                  | 54.00                | 19.30       | 500.00          | 100.0       | H   | 274.00        | -2           |
| 1097.75         | 45.11                  | ---                    | 74.00                | 28.89       | 500.00          | 100.0       | H   | 274.00        | -2           |
| 1247.00         | ---                    | 36.03                  | 54.00                | 17.97       | 500.00          | 100.0       | H   | 241.00        | -2           |
| 1247.00         | 48.70                  | ---                    | 74.00                | 25.30       | 500.00          | 100.0       | H   | 241.00        | -2           |
| 1597.00         | 46.82                  | ---                    | 74.00                | 27.18       | 500.00          | 200.0       | V   | 155.00        | -1           |
| 1598.75         | ---                    | 34.79                  | 54.00                | 19.21       | 500.00          | 100.0       | V   | 154.00        | -1           |
| 1860.50         | 47.56                  | ---                    | 74.00                | 26.44       | 500.00          | 200.0       | H   | 0.00          | 0            |
| 2057.50         | ---                    | 35.52                  | 54.00                | 18.48       | 500.00          | 100.0       | H   | 0.00          | 1            |
| 2383.75         | 69.35                  | ---                    | 74.00                | 4.65        | 500.00          | 100.0       | H   | 3.00          | 3            |
| 2388.00         | ---                    | 49.68                  | 54.00                | 4.32        | 500.00          | 200.0       | H   | 339.00        | 3            |
| 2971.50         | ---                    | 39.77                  | 54.00                | 14.23       | 500.00          | 200.0       | H   | 169.00        | 5            |
| 2985.75         | 51.17                  | ---                    | 74.00                | 22.83       | 500.00          | 200.0       | H   | 272.00        | 5            |

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

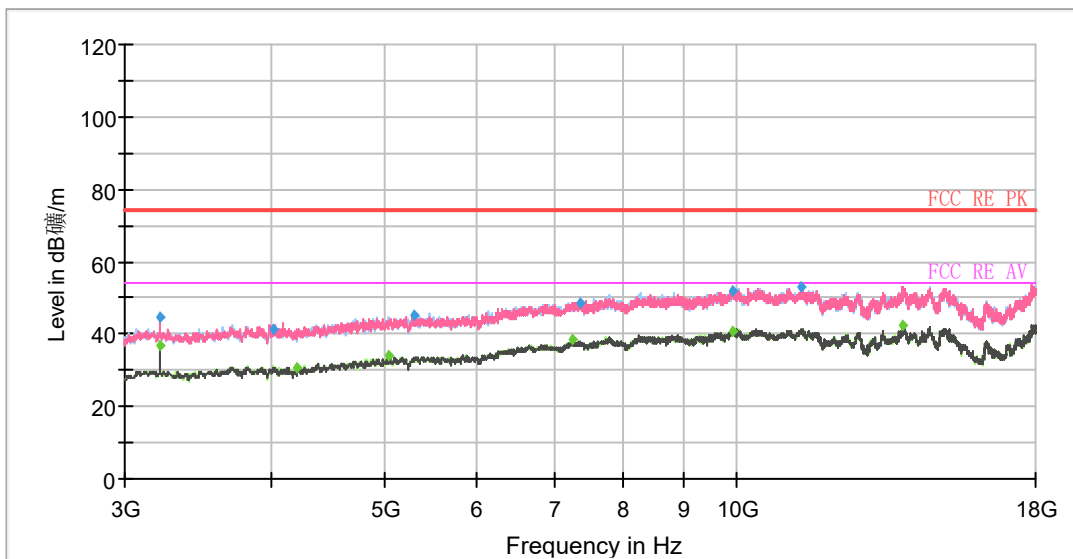
**2. Margin = Limit –MAX Peak/ Average**

ERSU Mode

802.11ax HE20 242-Tones CH1



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



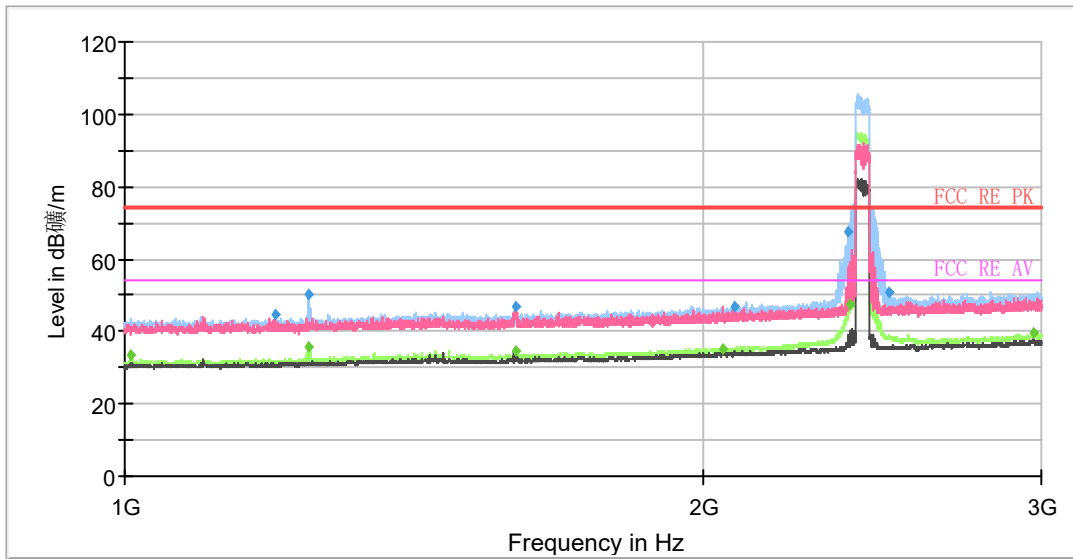
Radiates Emission from 3GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1008.00         | ---                    | 33.09                  | 54.00                | 20.91       | 500.00          | 200.0       | H   | 0.00          | -3           |
| 1188.75         | 43.77                  | ---                    | 74.00                | 30.23       | 500.00          | 100.0       | H   | 4.00          | -2           |
| 1269.25         | 44.78                  | ---                    | 74.00                | 29.22       | 500.00          | 100.0       | H   | 219.00        | -2           |
| 1397.50         | ---                    | 32.93                  | 54.00                | 21.07       | 500.00          | 200.0       | H   | 279.00        | -1           |
| 1597.50         | 45.36                  | ---                    | 74.00                | 28.64       | 500.00          | 100.0       | V   | 154.00        | -1           |
| 1727.00         | ---                    | 33.82                  | 54.00                | 20.18       | 500.00          | 100.0       | H   | 104.00        | 0            |
| 2047.50         | 46.21                  | ---                    | 74.00                | 27.79       | 500.00          | 100.0       | H   | 72.00         | 1            |
| 2072.00         | ---                    | 35.18                  | 54.00                | 18.82       | 500.00          | 100.0       | H   | 9.00          | 1            |
| 2387.75         | 63.56                  | ---                    | 74.00                | 10.44       | 500.00          | 100.0       | H   | 265.00        | 3            |
| 2388.50         | ---                    | 43.74                  | 54.00                | 10.26       | 500.00          | 100.0       | H   | 274.00        | 3            |
| 2972.50         | 50.81                  | ---                    | 74.00                | 23.19       | 500.00          | 200.0       | H   | 358.00        | 5            |
| 2978.00         | ---                    | 38.98                  | 54.00                | 15.02       | 500.00          | 100.0       | H   | 2.00          | 5            |

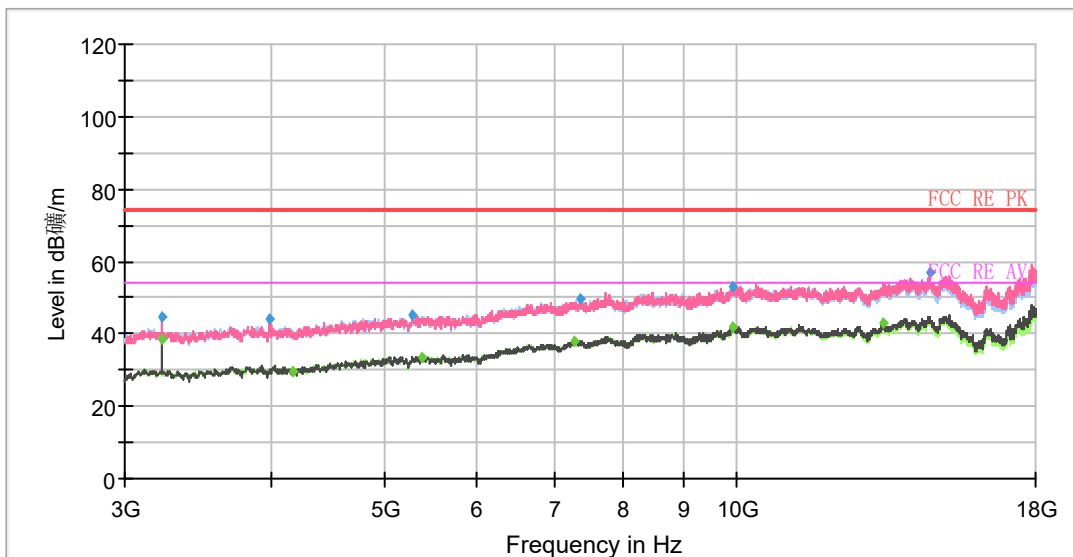
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit –MAX Peak/ Average**

802.11ax HE40 484-Tone CH3



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



Radiates Emission from 3GHz to 18GHz

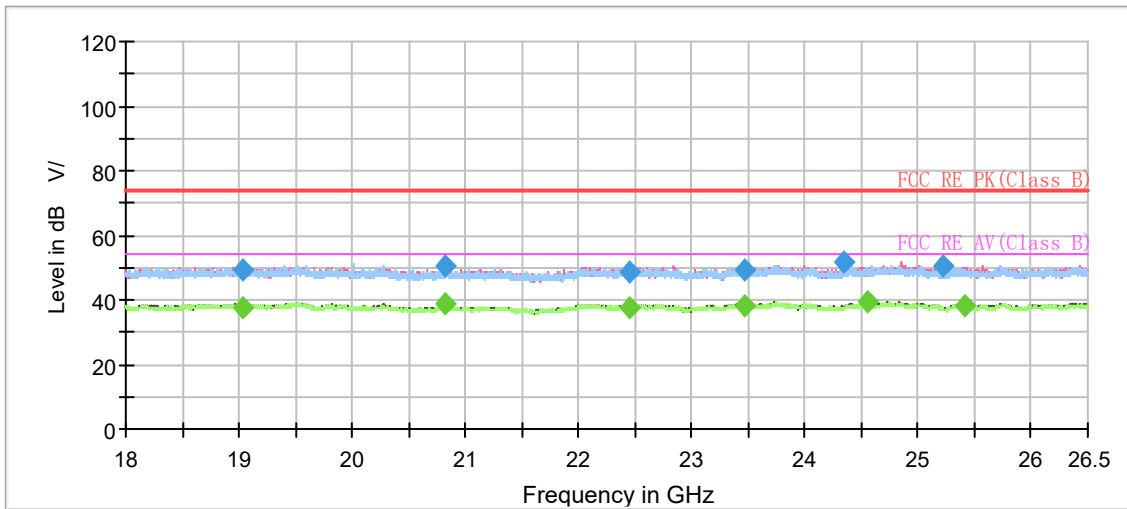


| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1008.00         | ---                    | 33.23                  | 54.00                | 20.77       | 500.00          | 150.0       | H   | 62.00         | -3           |
| 1198.75         | 44.49                  | ---                    | 74.00                | 29.51       | 500.00          | 150.0       | V   | 170.00        | -2           |
| 1245.75         | ---                    | 35.49                  | 54.00                | 18.51       | 500.00          | 150.0       | H   | 238.00        | -2           |
| 1245.75         | 50.17                  | ---                    | 74.00                | 23.83       | 500.00          | 150.0       | H   | 238.00        | -2           |
| 1597.00         | ---                    | 34.57                  | 54.00                | 19.43       | 500.00          | 150.0       | V   | 137.00        | -1           |
| 1597.50         | 46.64                  | ---                    | 74.00                | 27.36       | 500.00          | 150.0       | V   | 196.00        | -1           |
| 2050.25         | ---                    | 35.42                  | 54.00                | 18.58       | 500.00          | 150.0       | H   | 225.00        | 1            |
| 2078.25         | 46.74                  | ---                    | 74.00                | 27.26       | 500.00          | 150.0       | H   | 43.00         | 1            |
| 2380.25         | 67.52                  | ---                    | 74.00                | 6.48        | 500.00          | 150.0       | H   | 0.00          | 3            |
| 2382.50         | ---                    | 47.40                  | 54.00                | 6.60        | 500.00          | 150.0       | H   | 7.00          | 3            |
| 2500.50         | 50.93                  | ---                    | 74.00                | 23.07       | 500.00          | 150.0       | H   | 340.00        | 3            |
| 2970.75         | ---                    | 39.51                  | 54.00                | 14.49       | 500.00          | 150.0       | H   | 3.00          | 5            |

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

**2. Margin = Limit –MAX Peak/ Average**

During the test, the Radiates Emission from 18GHz to 26.5GHz was performed in all modes with all channels, TB Mode 802.11ax HE40 484-Tone Channel 3 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.



Radiates Emission from 18GHz to 26.5GHz

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 19035.437500    | ---              | 37.63            | 54.00          | 16.37       | 500.0           | 200.0       | V   | 0.0           | -5.6         |
| 19038.000000    | 49.41            | ---              | 74.00          | 24.59       | 500.0           | 100.0       | V   | 279.0         | -5.7         |
| 20821.562500    | 50.38            | ---              | 74.00          | 23.62       | 500.0           | 100.0       | V   | 314.0         | -5.1         |
| 20823.062500    | ---              | 38.60            | 54.00          | 15.40       | 500.0           | 100.0       | V   | 66.0          | -5.1         |
| 22451.500000    | ---              | 37.74            | 54.00          | 16.26       | 500.0           | 200.0       | H   | 75.0          | -4.0         |
| 22454.562500    | 48.59            | ---              | 74.00          | 25.41       | 500.0           | 100.0       | H   | 19.0          | -4.0         |
| 23461.250000    | 49.19            | ---              | 74.00          | 24.81       | 500.0           | 200.0       | V   | 69.0          | -3.1         |
| 23462.312500    | ---              | 38.34            | 54.00          | 15.66       | 500.0           | 100.0       | V   | 259.0         | -3.1         |
| 24340.687500    | 51.77            | ---              | 74.00          | 22.23       | 500.0           | 100.0       | H   | 1.0           | -2.8         |
| 24563.187500    | ---              | 39.34            | 54.00          | 14.66       | 500.0           | 200.0       | V   | 103.0         | -2.7         |
| 25420.125000    | ---              | 38.46            | 54.00          | 15.54       | 500.0           | 200.0       | V   | 275.0         | -2.6         |
| 25227.562500    | 50.60            | ---              | 74.00          | 23.40       | 500.0           | 100.0       | V   | 183.0         | -2.6         |

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

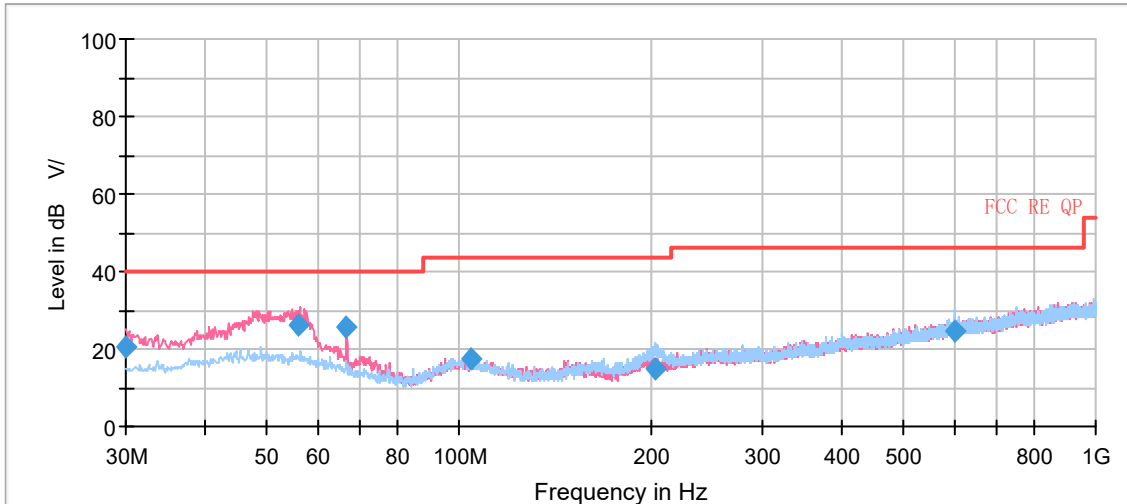
**2. Margin = Limit –MAX Peak/ Average**

**Bluetooth LE (2M)**

During the test, the Radiates Emission from 30MHz to 1GHz was performed in all modes with all channels, Bluetooth LE-Channel 19 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

A symbol (  $\text{dB}\overset{\text{QP}}{\mu\text{V/m}}$  ) in the test plot below means (  $\text{dB}\mu\text{V/m}$  )

A symbol (  $\text{dB V/}$  ) in the test plot below means (  $\text{dB}\mu\text{V/m}$  )

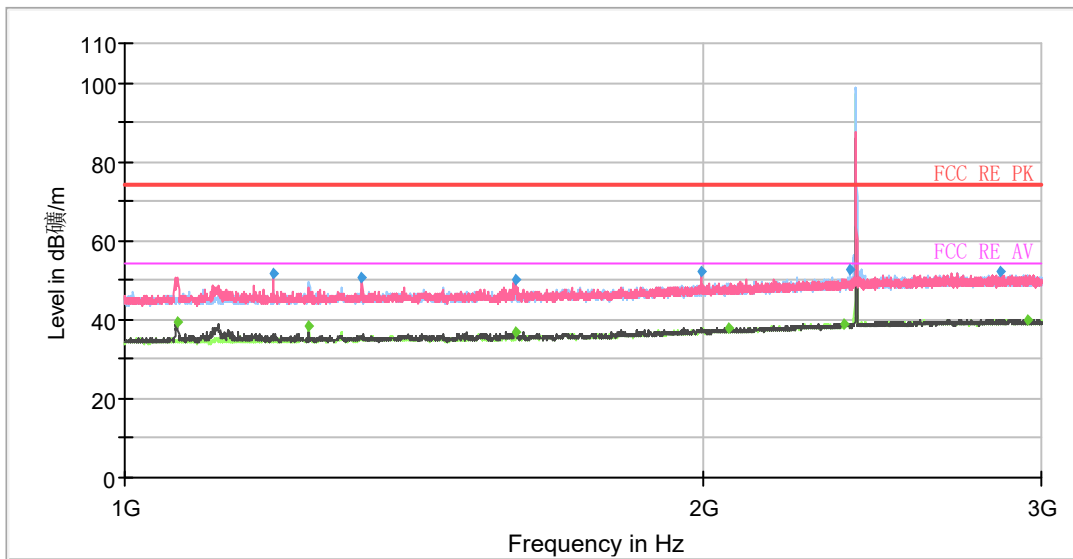


Radiates Emission from 30MHz to 1GHz

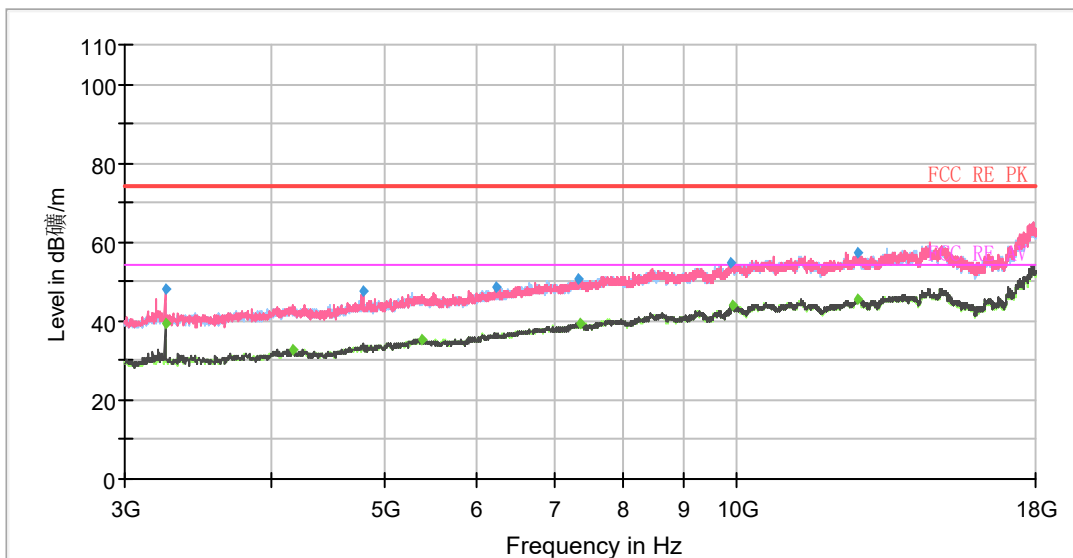
| Frequency (MHz) | Quasi-Peak (dB $\mu\text{V/m}$ ) | Limit (dB $\mu\text{V/m}$ ) | Margin (dB) | Height (cm) | Polarization | Azimuth (deg) | Correct Factor (dB) |
|-----------------|----------------------------------|-----------------------------|-------------|-------------|--------------|---------------|---------------------|
| 30.080000       | 20.42                            | 40.00                       | 19.58       | 100.0       | V            | 32.0          | 17.1                |
| 55.911250       | 26.01                            | 40.00                       | 13.99       | 100.0       | V            | 22.0          | 20.0                |
| 66.657500       | 25.44                            | 40.00                       | 14.56       | 125.0       | V            | 129.0         | 17.4                |
| 104.816250      | 17.28                            | 43.50                       | 26.22       | 125.0       | V            | 140.0         | 18.7                |
| 202.907500      | 14.98                            | 43.50                       | 28.52       | 175.0       | H            | 250.0         | 17.8                |
| 600.036250      | 24.53                            | 46.00                       | 21.47       | 125.0       | V            | 136.0         | 27.0                |

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

Bluetooth LE-Channel 0



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



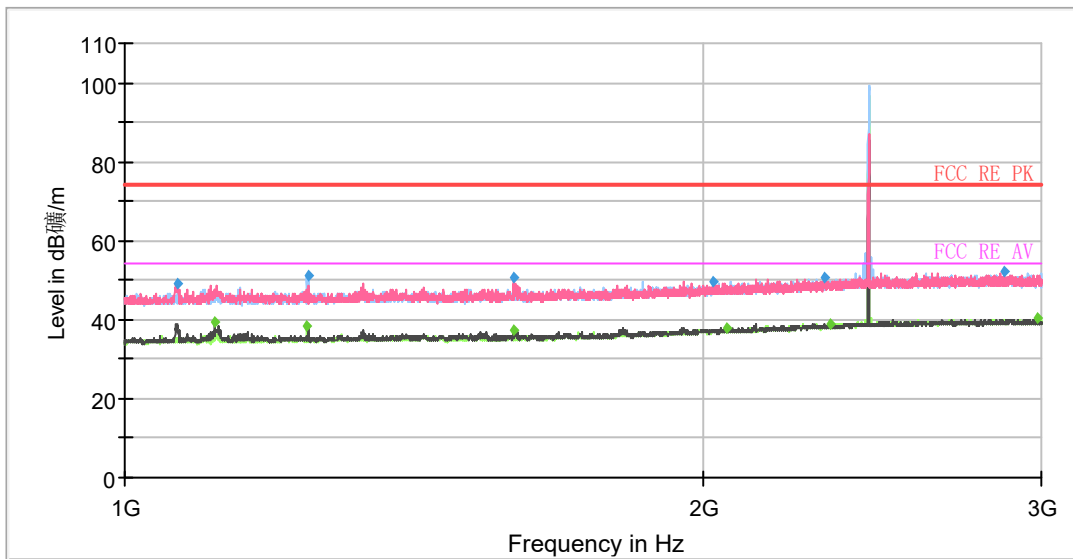
Radiates Emission from 3GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1065.25         | ---                    | 39.41                  | 54.00                | 14.59       | 500.00          | 200.0       | V   | 323.00        | -10          |
| 1196.00         | 51.55                  | ---                    | 74.00                | 22.45       | 500.00          | 200.0       | V   | 337.00        | -10          |
| 1247.75         | ---                    | 38.40                  | 54.00                | 15.60       | 500.00          | 100.0       | H   | 0.00          | -9           |
| 1329.00         | 50.43                  | ---                    | 74.00                | 23.57       | 500.00          | 200.0       | V   | 0.00          | -9           |
| 1596.00         | ---                    | 37.06                  | 54.00                | 16.94       | 500.00          | 100.0       | V   | 114.00        | -8           |
| 1598.25         | 50.34                  | ---                    | 74.00                | 23.66       | 500.00          | 200.0       | V   | 147.00        | -8           |
| 1994.50         | 52.02                  | ---                    | 74.00                | 21.98       | 500.00          | 100.0       | V   | 139.00        | -7           |
| 2061.50         | ---                    | 38.08                  | 54.00                | 15.92       | 500.00          | 100.0       | H   | 232.00        | -7           |
| 2366.25         | ---                    | 38.96                  | 54.00                | 15.04       | 500.00          | 100.0       | V   | 130.00        | -5           |
| 2387.00         | 52.48                  | ---                    | 74.00                | 21.52       | 500.00          | 200.0       | H   | 210.00        | -5           |
| 2859.00         | 52.19                  | ---                    | 74.00                | 21.81       | 500.00          | 100.0       | H   | 348.00        | -5           |
| 2953.75         | ---                    | 40.07                  | 54.00                | 13.93       | 500.00          | 200.0       | H   | 2.00          | -4           |
| 12669.38        | ---                    | 45.54                  | 54.00                | 8.46        | 500.00          | 200.0       | H   | 8.00          | 7            |

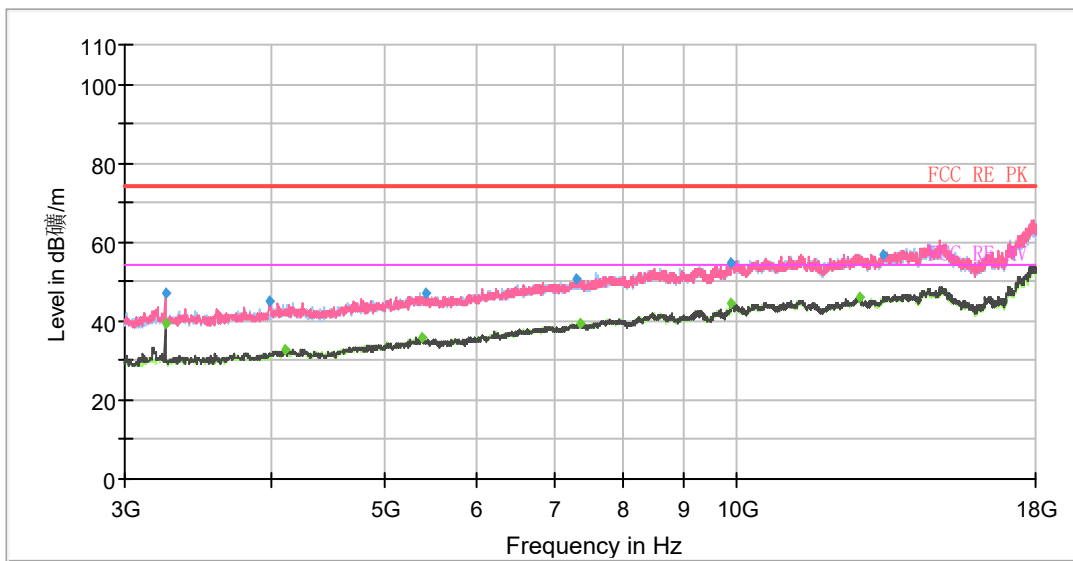
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit -MAX Peak/ Average**

Bluetooth LE-Channel 19



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



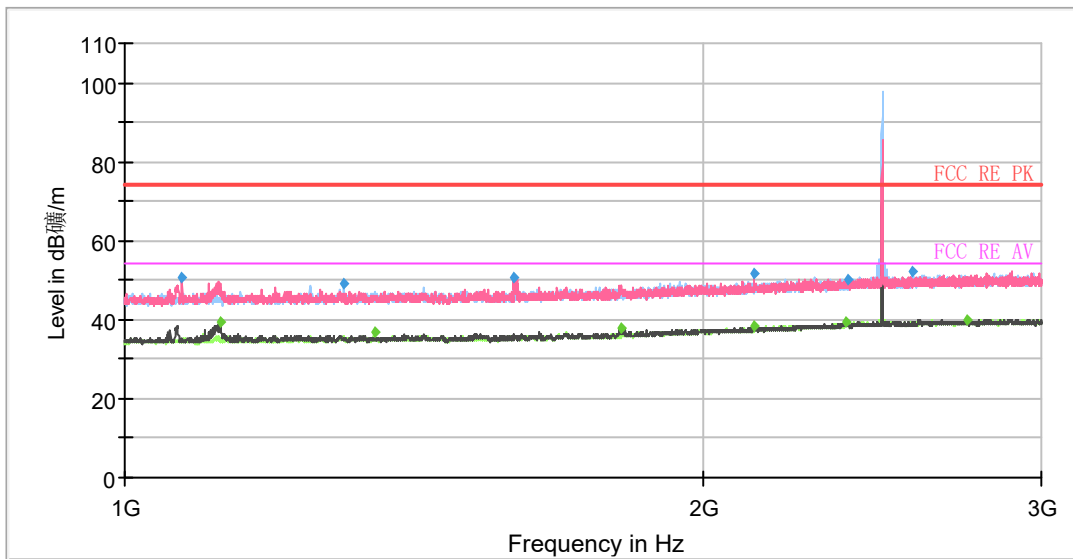
Radiates Emission from 3GHz to 18GHz

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1064.75         | 49.03                  | ---                    | 74.00                | 24.97       | 500.00          | 100.0       | V   | 299.00        | -10          |
| 1113.25         | ---                    | 39.32                  | 54.00                | 14.68       | 500.00          | 200.0       | V   | 349.00        | -10          |
| 1244.75         | ---                    | 38.21                  | 54.00                | 15.79       | 500.00          | 100.0       | H   | 270.00        | -9           |
| 1245.75         | 50.95                  | ---                    | 74.00                | 23.05       | 500.00          | 100.0       | H   | 356.00        | -9           |
| 1593.00         | 50.41                  | ---                    | 74.00                | 23.59       | 500.00          | 100.0       | V   | 355.00        | -8           |
| 1595.00         | ---                    | 37.37                  | 54.00                | 16.63       | 500.00          | 100.0       | V   | 324.00        | -8           |
| 2025.25         | 49.71                  | ---                    | 74.00                | 24.29       | 500.00          | 200.0       | V   | 276.00        | -7           |
| 2058.00         | ---                    | 37.87                  | 54.00                | 16.13       | 500.00          | 100.0       | H   | 346.00        | -7           |
| 2311.00         | 50.87                  | ---                    | 74.00                | 23.13       | 500.00          | 200.0       | V   | 318.00        | -6           |
| 2328.00         | ---                    | 38.76                  | 54.00                | 15.24       | 500.00          | 100.0       | V   | 1.00          | -6           |
| 2866.75         | 51.96                  | ---                    | 74.00                | 22.04       | 500.00          | 100.0       | H   | 350.00        | -5           |
| 2986.75         | ---                    | 40.21                  | 54.00                | 13.79       | 500.00          | 100.0       | H   | 270.00        | -4           |
| 9896.25         | ---                    | 44.47                  | 54.00                | 9.53        | 500.00          | 200.0       | V   | 0.00          | 2            |
| 12733.13        | ---                    | 45.97                  | 54.00                | 8.03        | 500.00          | 100.0       | V   | 43.00         | 7            |

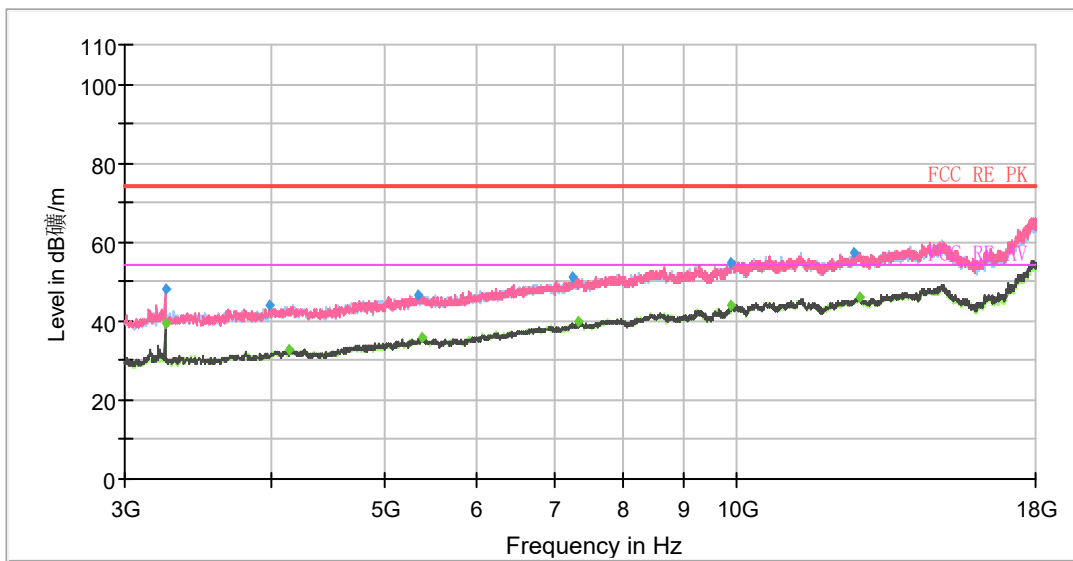
**Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)**

**2. Margin = Limit -MAX Peak/ Average**

Bluetooth LE-Channel 39



Note: The signal beyond the limit is carrier.  
Radiates Emission from 1GHz to 3GHz



Radiates Emission from 3GHz to 18GHz

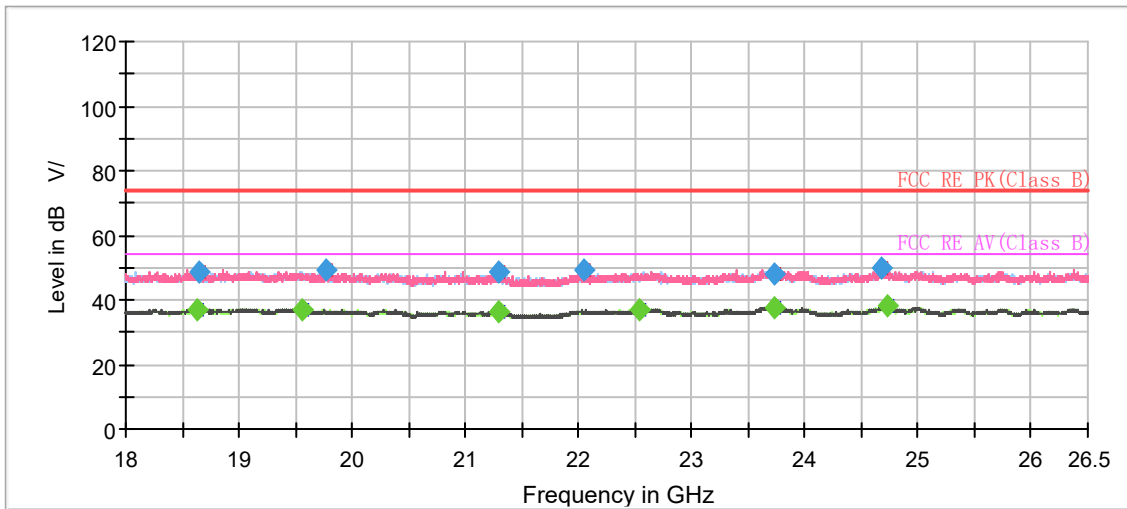


| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | Average (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------------|------------------------|----------------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1071.50         | 50.51                  | ---                    | 74.00                | 23.49       | 500.00          | 100.0       | V   | 256.00        | -10          |
| 1121.25         | ---                    | 39.20                  | 54.00                | 14.80       | 500.00          | 200.0       | V   | 192.00        | -10          |
| 1299.00         | 49.06                  | ---                    | 74.00                | 24.94       | 500.00          | 100.0       | H   | 257.00        | -9           |
| 1349.25         | ---                    | 36.99                  | 54.00                | 17.01       | 500.00          | 100.0       | H   | 265.00        | -9           |
| 1594.50         | 50.82                  | ---                    | 74.00                | 23.18       | 500.00          | 100.0       | V   | 3.00          | -8           |
| 1813.25         | ---                    | 37.82                  | 54.00                | 16.18       | 500.00          | 100.0       | V   | 232.00        | -8           |
| 2125.50         | ---                    | 38.42                  | 54.00                | 15.58       | 500.00          | 100.0       | V   | 198.00        | -6           |
| 2127.50         | 51.86                  | ---                    | 74.00                | 22.14       | 500.00          | 100.0       | V   | 198.00        | -6           |
| 2371.75         | ---                    | 39.24                  | 54.00                | 14.76       | 500.00          | 100.0       | V   | 256.00        | -5           |
| 2380.50         | 50.33                  | ---                    | 74.00                | 23.67       | 500.00          | 100.0       | H   | 324.00        | -5           |
| 2572.75         | 52.06                  | ---                    | 74.00                | 21.94       | 500.00          | 200.0       | H   | 71.00         | -5           |
| 2747.25         | ---                    | 40.07                  | 54.00                | 13.93       | 500.00          | 200.0       | H   | 96.00         | -5           |
| 9894.38         | ---                    | 44.20                  | 54.00                | 9.80        | 500.00          | 100.0       | H   | 216.00        | 2            |
| 12742.50        | ---                    | 45.93                  | 54.00                | 8.07        | 500.00          | 200.0       | H   | 148.00        | 7            |

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

**2. Margin = Limit -MAX Peak/ Average**

During the test, the Radiates Emission from 18GHz to 26.5GHz was performed in all modes with all channels, Bluetooth LE-Channel 19 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.



Radiates Emission from 18GHz to 26.5GHz

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 18624.750000    | ---              | 36.66            | 54.00          | 17.34       | 500.0           | 100.0       | H   | 220.0         | -5.7         |
| 18654.500000    | 48.34            | ---              | 74.00          | 25.66       | 500.0           | 100.0       | V   | 17.0          | -5.6         |
| 19566.125000    | ---              | 37.19            | 54.00          | 16.81       | 500.0           | 200.0       | V   | 308.0         | -5.3         |
| 19764.812500    | 49.08            | ---              | 74.00          | 24.92       | 500.0           | 100.0       | H   | 265.0         | -5.3         |
| 21296.937500    | ---              | 36.59            | 54.00          | 17.41       | 500.0           | 200.0       | H   | 77.0          | -5.2         |
| 21302.250000    | 48.84            | ---              | 74.00          | 25.16       | 500.0           | 200.0       | V   | 42.0          | -5.2         |
| 22048.125000    | 49.12            | ---              | 74.00          | 24.88       | 500.0           | 200.0       | V   | 341.0         | -4.2         |
| 22537.937500    | ---              | 37.01            | 54.00          | 16.99       | 500.0           | 200.0       | H   | 57.0          | -3.9         |
| 23730.062500    | ---              | 37.40            | 54.00          | 16.60       | 500.0           | 200.0       | H   | 8.0           | -2.4         |
| 23739.625000    | 48.06            | ---              | 74.00          | 25.94       | 500.0           | 100.0       | H   | 315.0         | -2.4         |
| 24684.187500    | 49.69            | ---              | 74.00          | 24.31       | 500.0           | 200.0       | V   | 0.0           | -2.1         |
| 24727.750000    | ---              | 37.95            | 54.00          | 16.05       | 500.0           | 200.0       | H   | 97.0          | -2.1         |

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

2. Margin = Limit - MAX Peak/ Average

## 5.7. Conducted Emission

### Ambient Condition

| Temperature | Relative humidity |
|-------------|-------------------|
| 20°C ~ 25°C | 45% ~ 50%         |

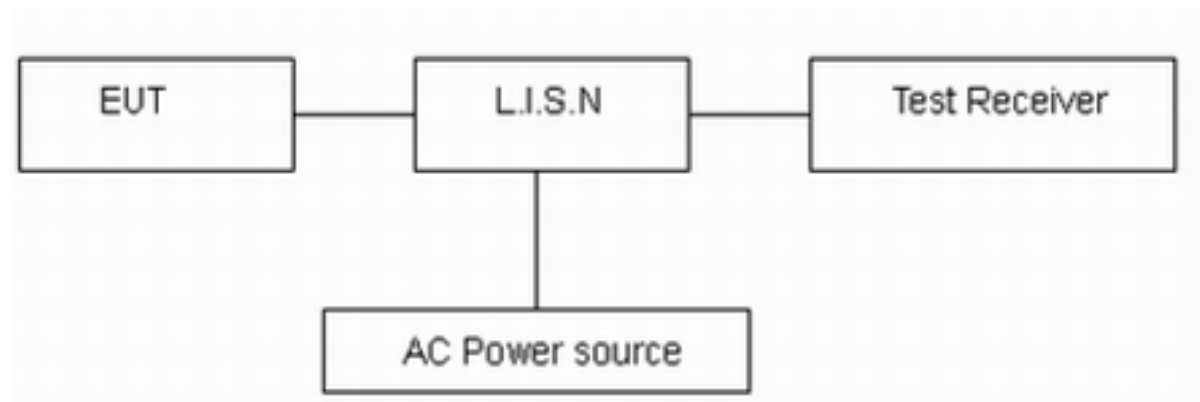
### Methods of Measurement

The EUT is placed on a non-metallic table of 80cm height above the horizontal metal reference ground plane. During the test, the EUT was operating in its typical mode. The test method is according to ANSI C63.10. Connect the AC power line of the EUT to the L.I.S.N. Use EMI receiver to detect the average and Quasi-peak value. RBW is set to 9 kHz, VBW is set to 30kHz.

The measurement result should include both L line and N line.

The test is in transmitting mode.

### Test Setup



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

### Limits

| Frequency (MHz) | Conducted Limits(dBμV) |           |
|-----------------|------------------------|-----------|
|                 | Quasi-peak             | Average   |
| 0.15 - 0.5      | 66 to 56 *             | 56 to 46* |
| 0.5 - 5         | 56                     | 46        |
| 5 - 30          | 60                     | 50        |

\*: Decreases with the logarithm of the frequency.

### Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor  $k = 1.96$ ,  $U = 2.69$  dB.

**Test Results:**

The equipment doesn't connect to public network, therefore this requirement does not apply.

## 6. Main Test Instruments

| Name                     | Manufacturer | Type                  | Serial Number | Calibration Date | Expiration Date |
|--------------------------|--------------|-----------------------|---------------|------------------|-----------------|
| Power sensor             | R&S          | NRP18S                | 101954        | 2023-05-12       | 2024-05-11      |
| Spectrum Analyzer        | KEYSIGHT     | N9020A                | MY51330870    | 2023-05-12       | 2024-05-11      |
| <b>Unwanted Emission</b> |              |                       |               |                  |                 |
| EMI Test Receiver        | R&S          | ESR                   | 102389        | 2023-05-12       | 2024-05-11      |
| Spectrum Analyzer        | R&S          | FSV40                 | 101186        | 2023-05-12       | 2024-05-11      |
| Loop Antenna             | SCHWARZBECK  | FMZB1519              | 1519-047      | 2023-04-16       | 2026-04-15      |
| TRILOG Broadband Antenna | SCHWARZBECK  | VULB 9163             | 1023          | 2023-07-14       | 2026-07-13      |
| Horn Antenna             | R&S          | HF907                 | 102723        | 2021-07-24       | 2024-07-23      |
| Horn Antenna             | ETS-Lindgren | 3160-09               | 00102643      | 2021-10-10       | 2024-10-09      |
| Amplifier                | R&S          | SCU18                 | 10034         | 2023-05-12       | 2024-05-11      |
| Amplifier                | R&S          | KLNA-18040050         | 220826001     | 2023-05-12       | 2024-05-11      |
| Preamplifier             | MicroWave    | TPA-003/<br>30M-1000M | 13030502      | 2023-05-12       | 2024-05-11      |
| HIGHPASS FILTER          | UCL          | UCL-HPF3G-S           | /             | 2023-09-03       | 2024-09-02      |
| HIGHPASS FILTER          | UCL          | UCL-HPF8G-S           | /             | 2023-09-03       | 2024-09-02      |
| CABLE                    | SUCOFLEX     | 104A                  | MY159/4A      | 2023-09-03       | 2024-09-02      |
| Software                 | R&S          | EMC32                 | 9.26.0        | /                | /               |

## ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.

## ANNEX B: Test Setup Photos

The Test Setup Photos are submitted separately.

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