



## FCC / ISED Test Report

**For:**  
Rivian Automotive, LLC

**Marketing Name:**  
Autonomy Experience Module

**Model:**  
AXM2.5

**Product Description:**  
Autonomy Experience Module

**Contains FCC ID:** 2AW3A-MRB931A  
**Contains IC:** 26958-MRB931A

**Applied Rules and Standards:**  
KDB 996369 D04 Module Integration Guide V02

**REPORT #:** EMC\_RIVIA\_101\_25001\_KDB996369

**DATE:** 2025-12-01



**IC recognized #**  
3462B

**CETECOM Inc.**

411 Dixon Landing Road ♦ Milpitas, CA 95035 ♦ U.S.A.

Phone: + 1 (408) 586 6200 ♦ Fax: + 1 (408) 586 6299 ♦ E-mail: [contact@cetecom.com](mailto:contact@cetecom.com) ♦ <http://www.cetecom.com>

CETECOM Inc. is a Delaware Corporation with Corporation number: 2905571

**TABLE OF CONTENTS**

|           |                                                                            |           |
|-----------|----------------------------------------------------------------------------|-----------|
| <b>1</b>  | <b>ASSESSMENT .....</b>                                                    | <b>3</b>  |
| <b>2</b>  | <b>ADMINISTRATIVE DATA .....</b>                                           | <b>4</b>  |
| 2.1       | IDENTIFICATION OF THE TESTING LABORATORY ISSUING THE EMC TEST REPORT ..... | 4         |
| 2.2       | IDENTIFICATION OF THE CLIENT .....                                         | 4         |
| 2.3       | IDENTIFICATION OF THE MANUFACTURER.....                                    | 4         |
| <b>3</b>  | <b>EQUIPMENT UNDER TEST (EUT).....</b>                                     | <b>5</b>  |
| 3.1       | EUT SPECIFICATIONS .....                                                   | 5         |
| 3.2       | RADIO SPECIFICATIONS .....                                                 | 5         |
| 3.3       | EUT SAMPLE DETAILS .....                                                   | 6         |
| 3.4       | ACCESSORY EQUIPMENT (AE) DETAILS.....                                      | 6         |
| 3.5       | TEST SAMPLE CONFIGURATION .....                                            | 6         |
| 3.6       | MODE OF OPERATION DETAILS .....                                            | 6         |
| 3.7       | JUSTIFICATION FOR MODE OF OPERATION.....                                   | 7         |
| <b>4</b>  | <b>SUBJECT OF INVESTIGATION .....</b>                                      | <b>8</b>  |
| <b>5</b>  | <b>MEASUREMENT RESULTS SUMMARY .....</b>                                   | <b>8</b>  |
| <b>6</b>  | <b>MEASUREMENT UNCERTAINTY.....</b>                                        | <b>9</b>  |
| 6.1       | ENVIRONMENTAL CONDITIONS DURING TESTING:.....                              | 9         |
| 6.2       | DATES OF TESTING: .....                                                    | 9         |
| 6.3       | DECISION RULE:.....                                                        | 9         |
| <b>7</b>  | <b>MEASUREMENT PROCEDURES .....</b>                                        | <b>10</b> |
| 7.1       | RADIATED MEASUREMENT.....                                                  | 10        |
| 7.2       | POWER LINE CONDUCTED MEASUREMENT PROCEDURE .....                           | 12        |
| 7.3       | RF CONDUCTED MEASUREMENT PROCEDURE .....                                   | 12        |
| <b>8</b>  | <b>TEST RESULT DATA .....</b>                                              | <b>13</b> |
| 8.1       | RADIATED TRANSMITTER SPURIOUS EMISSIONS AND RESTRICTED BANDS .....         | 13        |
| <b>9</b>  | <b>TEST SETUP PHOTOS .....</b>                                             | <b>44</b> |
| <b>10</b> | <b>TEST EQUIPMENT AND ANCILLARIES USED FOR TESTING .....</b>               | <b>44</b> |
| <b>11</b> | <b>HISTORY .....</b>                                                       | <b>45</b> |

## 1 Assessment

The following device as further described in section 3 of this report was evaluated against the applicable criteria specified in KDB 996369 D04 Module Integration Guide V02

No deficiencies were ascertained.

| Company Name           | Product Description        | Model No. |
|------------------------|----------------------------|-----------|
| Rivian Automotive, LLC | Autonomy Experience Module | AXM2.5    |

**Report Authorized by:**

**Responsible for testing Laboratory:**

| Alvin Ilarina<br>(Director of EMC Services) |            |      |           |
|---------------------------------------------|------------|------|-----------|
| 2025-12-01                                  | Compliance |      |           |
| Date                                        | Section    | Name | Signature |

**Responsible for the Report:**

| Guangcheng Huang<br>(Senior EMC Engineer) |            |      |           |
|-------------------------------------------|------------|------|-----------|
| 2025-12-01                                | Compliance |      |           |
| Date                                      | Section    | Name | Signature |

The test results of this test report relate exclusively to the test item specified in Section 3.

CETECOM Inc. USA does not assume responsibility for any conclusions and generalizations drawn from the test results with regard to other specimens or samples of the type of the equipment represented by the test item. The test report may only be reproduced or published in full. Reproduction or publication of extracts from the report requires the prior written approval of CETECOM Inc. USA.

## 2 Administrative Data

### 2.1 Identification of the Testing Laboratory Issuing the EMC Test Report

|                                    |                        |
|------------------------------------|------------------------|
| <b>Company Name:</b>               | CETECOM Inc.           |
| <b>Department:</b>                 | Compliance             |
| <b>Street Address:</b>             | 411 Dixon Landing Road |
| <b>City/Zip Code</b>               | Milpitas, CA 95035     |
| <b>Country</b>                     | USA                    |
| <b>Telephone:</b>                  | +1 (408) 586 6200      |
| <b>Fax:</b>                        | +1 (408) 586 6299      |
| <b>EMC Lab Manager:</b>            | Alvin, Ilarina         |
| <b>Responsible Project Leader:</b> | Ruby, Hall             |

### 2.2 Identification of the Client

|                          |                        |
|--------------------------|------------------------|
| <b>Applicant's Name:</b> | Rivian Automotive, LLC |
| <b>Street Address:</b>   | 14600 Myford Road      |
| <b>City/Zip Code</b>     | Irvine, CA 92606       |
| <b>Country</b>           | USA                    |

### 2.3 Identification of the Manufacturer

|                               |                |
|-------------------------------|----------------|
| <b>Manufacturer's Name:</b>   | Same as client |
| <b>Manufacturers Address:</b> |                |
| <b>City/Zip Code</b>          |                |
| <b>Country</b>                |                |

### 3 Equipment Under Test (EUT)

#### 3.1 EUT Specifications

|                                                      |                                       |
|------------------------------------------------------|---------------------------------------|
| <b>Model No:</b>                                     | AXM2.5                                |
| <b>Marketing Name:</b>                               | Autonomy Experience Module            |
| <b>HW Version:</b>                                   | RevC                                  |
| <b>SW Version:</b>                                   | not applicable                        |
| <b>FCC ID:</b>                                       | contains FCC ID 2AW3A-MRB931A         |
| <b>IC:</b>                                           | contains IC 26958-MRB931A             |
| <b>FWIN:</b>                                         | not applicable                        |
| <b>HVIN:</b>                                         | RB931A                                |
| <b>PMN:</b>                                          | Autonomy Experience Module            |
| <b>Product Description:</b>                          | Autonomy Experience Module            |
| <b>Power Supply / Rated operating Voltage Range:</b> | 9.6V (Low) 16V (High) 13.5V (Nominal) |
| <b>Operating Temperature Range</b>                   | *-40c to 85c                          |
| <b>Sample Revision</b>                               | pre production                        |
| <b>EUT Dimensions</b>                                | 38.8 x 23.5 x 7.5cm                   |
| Note: All information provided by the client.        |                                       |

#### 3.2 Radio Specifications

|                                               |                                                               |
|-----------------------------------------------|---------------------------------------------------------------|
| <b>Embedded Radio Technologies</b>            | Bluetooth, GNSS                                               |
| <b>Frequency Range / number of channels:</b>  | 2.402GHz to 2.480GHz                                          |
| <b>Tested radio technology</b>                | BT, GNSS                                                      |
| <b>Antenna Type / Gain</b>                    | 2.22 dBi / GNSS Ant. External, active Gain L1:36, L2:35 L5:36 |
| <b>Modes of Operation</b>                     | always on                                                     |
| Note: All information provided by the client. |                                                               |

### 3.3 EUT Sample details

| EUT # | Serial Number | HW Version | SW Version     | Notes/Comments |
|-------|---------------|------------|----------------|----------------|
| 1     | 93230         | RevC       | not applicable | -              |

### 3.4 Accessory Equipment (AE) details

| AE # | Type        | Model        | Manufacturer | Serial Number |
|------|-------------|--------------|--------------|---------------|
| 1    | Display CID | PT01098009-C | LG           | PT01098009-C  |

### 3.5 Test Sample Configuration

| EUT Set-up # | Combination of AE used for test set up | Comments                                                                                                                                                                                                                   |
|--------------|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1            | EUT#1 + AE#1                           | The EUT's radio was configured to transmit on a fixed channel at the maximum achievable duty cycle using manufacturer engineering software not accessible to end users. The internal antenna was connected during testing. |

### 3.6 Mode of Operation details

| Mode of Operation | Description of Operating modes | Additional Information                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Op. 1             | BLE                            | During testing, the BLE radio was evaluated on the low, mid, and high channels.<br>A client-supplied laptop was used to communicate with the EUT and to send commands configuring the BLE radio into specific test modes. The commands used to configure the EUT were provided by the client to simulate the worst-case operating condition of the BLE radio and did not allow adjustment of any radio settings. |
| Op. 2             | BT-Classic EDR                 | During testing, the BT radio was evaluated on the low, mid, and high channels.<br>A client-supplied laptop was used to communicate with the EUT and to send commands configuring the BT radio into specific test modes. The commands used to configure the EUT were provided by the client to simulate the worst-case operating condition of the BT radio and did not allow adjustment of any radio settings.    |

### 3.7 Justification for Mode of Operation

During testing, the EUT was evaluated at low, mid, and high transmit channels and operated at the maximum achievable duty cycle. For radiated measurements, all reported data reflects the theoretical worst-case results across both horizontal and vertical antenna polarizations and all EUT orientations.

#### 4 Subject of Investigation

The objective of the measurements done by CETECOM Inc. was to evaluate the compliance of the EUT against the relevant requirements specified in section 1.

#### 5 Measurement Results Summary

| Test Specification                                | Test Case                   | Temperature and Voltage Conditions | Mode           | Pass | Fail | NA | NP | Result           |
|---------------------------------------------------|-----------------------------|------------------------------------|----------------|------|------|----|----|------------------|
| KDB 996369 D04<br>Module Integration<br>Guide V02 | Radiated Spurious Emissions | Nominal                            | Op. 1<br>Op. 2 | ■    | □    | □  | □  | Note 1<br>Note 2 |

**Note 1:** NA= Not Applicable; NP= Not Performed.

**Note 2:** The testing conducted was selected to represent the theoretical worst-case operating conditions of the host device with the integrated module. This determination was made based on a review of the modular transmitter test reports.

## 6 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus, with 95% confidence interval (in dB delta to result), based on a coverage factor k=2.

### Radiated measurement

| Measurement System               |                  | EMC Lab 1 | EMC Lab 2 |
|----------------------------------|------------------|-----------|-----------|
| Conducted emissions (mains port) | 150 kHz – 30 MHz | 2.47 dB   | N/A       |
| Radiated emissions               | 9 kHz – 30 MHz   | 2.68 dB   | 2.53 dB   |
|                                  | 30 – 100 MHz     | 4.39 dB   | 3.85 dB   |
|                                  | 100 MHz – 1 GHz  | 5.65 dB   | 5.24 dB   |
|                                  | 1 – 6 GHz        | 5.0 dB    | 4.88 dB   |
|                                  | 6 – 18 GHz       | 4.76 dB   | 4.58 dB   |
|                                  | 18 – 40 GHz      | 4.65 dB   | 4.61 dB   |

RF conducted measurement  $\pm 0.5$  dB

According to TR 102 273 a multiplicative propagation of error is assumed for RF measurement systems. For this reason the RMS method is applied to dB values and not to linear values as appropriate for additive propagation of error. Also used: <http://physics.nist.gov/cuu/Uncertainty/typeb.html>. The above calculated uncertainties apply to direct application of the Substitution method. The Substitution method is always used when the EUT comes closer than 3dB to the limit.

### 6.1 Environmental Conditions During Testing:

The following environmental conditions were maintained during the course of testing:

- Ambient Temperature: 20-25°C
- Relative humidity: 40-60%

### 6.2 Dates of Testing:

2025-10-17 – 2025-10-31

### 6.3 Decision Rule:

Cetecom Inc. follows ILAC G8:09/2019 chapter 4.2.1 (Simple Acceptance Rule).

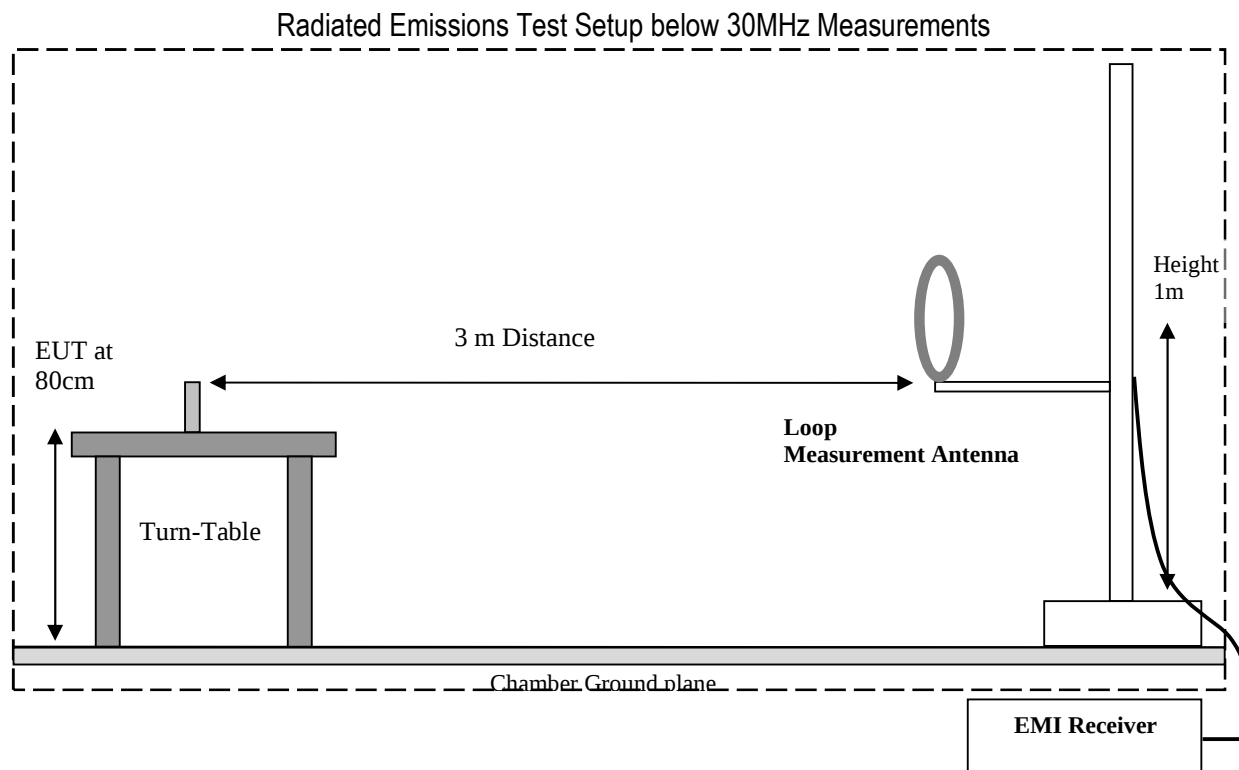
Only the measured values related to their corresponding limits will be used to decide whether the equipment under test meets the requirements of the test standards listed in chapter 3. The measurement uncertainty is mentioned in this test report, See chapter 9, but is not taken into account – neither to the limits nor to the measurement results. Measurement results with a smaller margin to the corresponding limits than the measurement uncertainty have a potential risk of more than 5% that the decision might be wrong.

## 7 Measurement Procedures

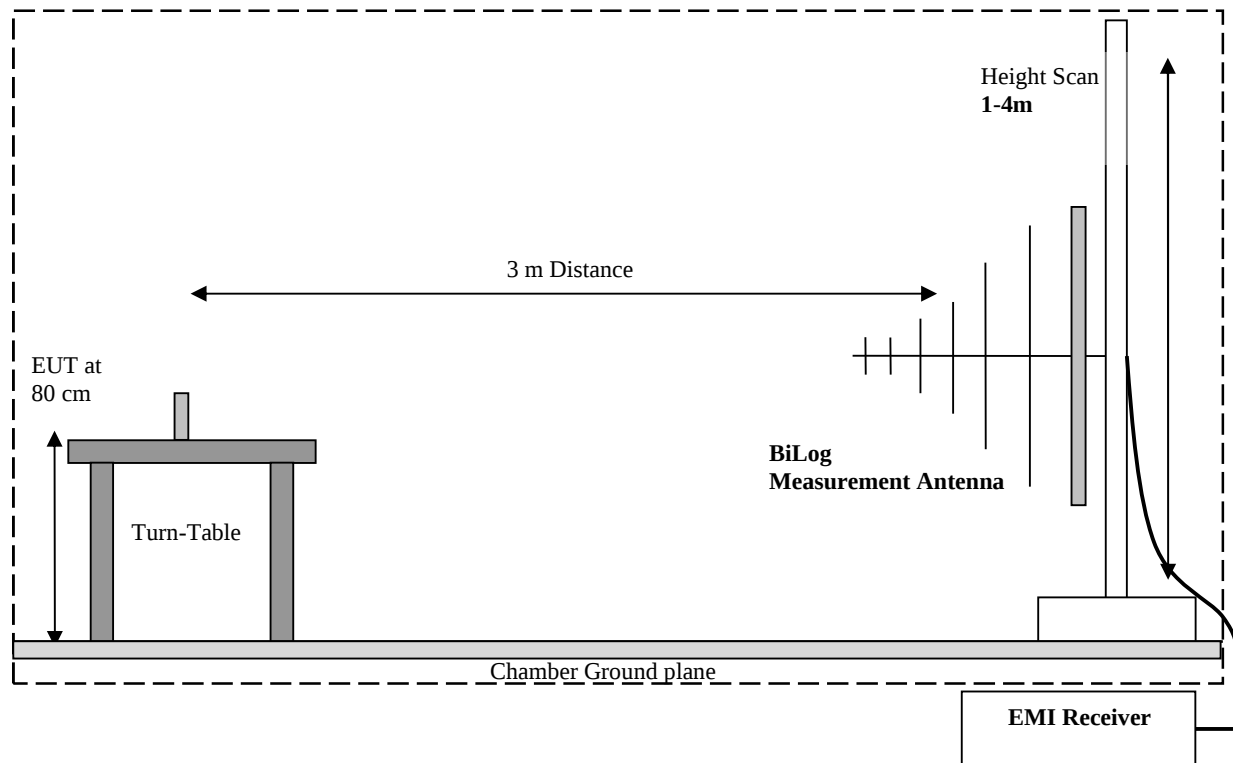
### 7.1 Radiated Measurement

The radiated measurement is performed according to ANSI C63.10 (2020)

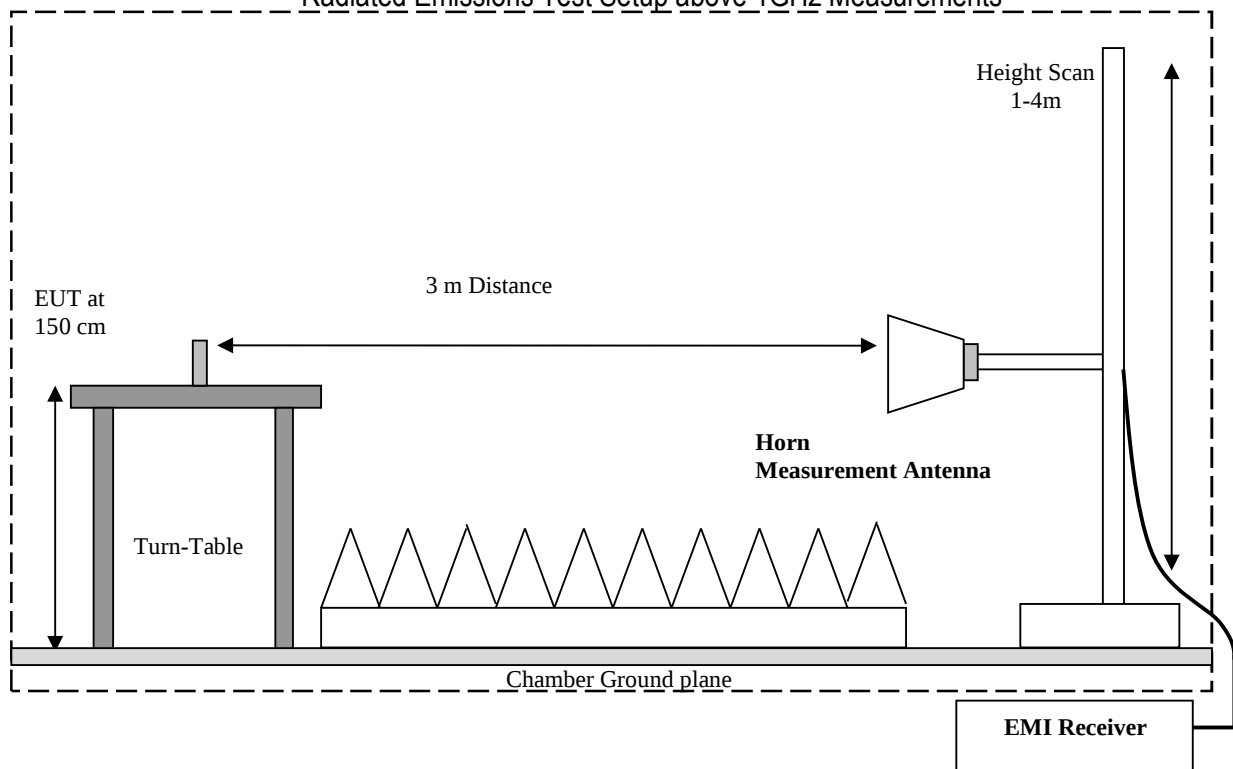
- The exploratory measurement is accomplished by running a matrix of 16 sweeps over the required frequency range with R&S Test-SW EMC32 for 4 positions of the turntable, two orthogonal positions of the EUT and both antenna polarizations. This procedure exceeds the requirement of the above standards to cover the 3 orthogonal axis of the EUT. A max peak detector is utilized during the exploratory measurement. The Test-SW creates an overall maximum trace for all 12 sweeps and saves the settings for each point of this trace. The maximum trace is part of the test report.
- The 10 highest emissions are selected with an automatic algorithm of EMC32 searching for peaks in the noise floor and ensuring that broadband signals are not selected multiple times.
- The maxima are then put through the final measurement and again maximized in a 90deg range of the turntable, fine search in frequency domain and height scan between 1m and 4m.
- The above procedure is repeated for all possible ways of power supply to EUT and for all supported modulations.
- In case there are no emissions above noise floor level only the maximum trace is reported as described above.
- The results are split up into up to 4 frequency ranges due to antenna bandwidth restrictions. A magnetic loop is used from 9 kHz to 30 MHz, a Biconilog antenna is used from 30 MHz to 1 GHz, and two different horn antennas are used to cover frequencies up to 40 GHz.



### Radiated Emissions Test Setup 30MHz-1GHz Measurements



### Radiated Emissions Test Setup above 1GHz Measurements



### 7.1.1 Sample Calculations for Field Strength Measurements

Field Strength is calculated from the Spectrum Analyzer/ Receiver readings, taking into account the following parameters:

1. Measured reading in dB $\mu$ V
2. Cable Loss between the receiving antenna and SA in dB and
3. Antenna Factor in dB/m

All radiated measurement plots in this report are taken from a test SW that calculates the Field Strength based on the following equation:

$$FS \text{ (dB}\mu\text{V/m)} = \text{Measured Value on SA (dB}\mu\text{V)} + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$$

Example:

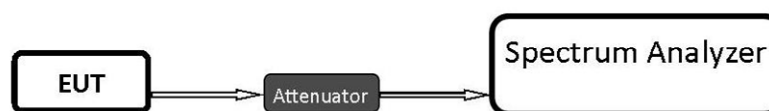
| Frequency (MHz) | Measured SA (dB $\mu$ V) | Cable Loss (dB) | Antenna Factor Correction (dB) | Field Strength Result (dB $\mu$ V/m) |
|-----------------|--------------------------|-----------------|--------------------------------|--------------------------------------|
| 1000            | 80.5                     | 3.5             | 14                             | 98.0                                 |

### 7.2 Power Line Conducted Measurement Procedure

AC Power Line conducted emissions measurements performed according to: ANSI C63.4 (2014)

### 7.3 RF Conducted Measurement Procedure

Testing procedures are based on 558074 D01 15.247 Meas Guidance v05r02 – “GUIDANCE FOR COMPLIANCE MEASUREMENTS ON DIGITAL TRANSMISSION SYSTEM, FREQUENCY HOPPING SPREAD SPECTRUM SYSTEM, AND HYBRID SYSTEM DEVICES OPERATING UNDER SECTION 15.247 OF THE FCC RULES” - April 2, 2019, by the Federal Communications Commission, Office of Engineering and Technology, Laboratory Division.



- Connect the equipment as shown in the above diagram.
- Adjust the settings of the SA (Rohde-Schwarz Spectrum Analyzer) to connect the EUT at the required mode of test.
- Measurements are to be performed with the EUT set to the low, middle and high channels and for worst case modulation schemes.

## 8 Test Result Data

### 8.1 Radiated Transmitter Spurious Emissions and Restricted Bands

#### 8.1.1 Measurement according to ANSI C63.10 (2020)

##### Spectrum Analyzer Settings:

- Frequency = 9 KHz – 30 MHz
- RBW = 9 KHz
- Detector: Peak
  
- Frequency = 30 MHz – 1 GHz
- Detector = Peak / Quasi-Peak
- RBW= 120 KHz (<1GHz)
  
- Frequency > 1 GHz
- Detector = Peak / Average
- RBW = 1 MHz
  
- Radiated spurious emissions shall be measured for the transmit frequencies, transmit power, and data rate for the lowest, middle and highest channel in each frequency band of operation and for the highest gain antenna for each antenna type, and using the appropriate parameters and test requirements.
- The highest (or worst-case) data rate shall be recorded for each measurement.
- For testing frequencies below 30 MHz at distance other than the specified in the standard, the limit conversion is calculated by using the FCC materials for the ANSI 63 committee issued on January, 27 1991.

#### 8.1.2 Limits:

##### FCC §15.247

- In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. 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)).

## FCC §15.209 &amp; RSS-Gen 8.9

- Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

| Frequency of emission (MHz) | Field strength (μV/m) | Measurement Distance (m) | Field strength @ 3m (dBμV/m) |
|-----------------------------|-----------------------|--------------------------|------------------------------|
| 0.009–0.490                 | 2400/F(kHz) / -----   | 300                      | -                            |
| 0.490–1.705                 | 24000/F(kHz) / -----  | 30                       | -                            |
| 1.705–30.0                  | 30 / (29.5)           | 30                       | -                            |
| 30–88                       | 100                   | 3                        | 40 dBμV/m                    |
| 88–216                      | 150                   | 3                        | 43.5 dBμV/m                  |
| 216–960                     | 200                   | 3                        | 46 dBμV/m                    |
| Above 960                   | 500                   | 3                        | 54 dBμV/m                    |

## FCC §15.205 &amp; RSS-Gen 8.10

- Except as shown in paragraph (d) of this section, only spurious 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    |
| 10.495-0.505      | 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     | Above 38.6  |
| 13.36-13.41       |                     |               |             |

- 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)).

\*PEAK LIMIT= 74 dBμV/m

\*AVG. LIMIT= 54 dBμV/m

### 8.1.3 Test conditions and setup:

| Ambient Temperature | EUT Set-Up # | EUT operating mode | Power Input |
|---------------------|--------------|--------------------|-------------|
| 22° C               | 1            | Op. 1 & Op. 2      | Battery     |

### 8.1.4 Measurement result:

| Plot # | Operating Mode | Channel # | Scan Frequency             | Limit             | Result |
|--------|----------------|-----------|----------------------------|-------------------|--------|
| 1-4    | Op. 1          | Low       | 9 kHz – 18 GHz             | See section 8.1.2 | Pass   |
| 5-9    | Op. 1          | Mid       | 9 kHz – 26 GHz             | See section 8.1.2 | Pass   |
| 10-13  | Op. 1          | High      | 9 kHz – 18 GHz             | See section 8.1.2 | Pass   |
| 14-17  | Op. 2          | Low       | 9 kHz – 18 GHz             | See section 8.1.2 | Pass   |
| 18-22  | Op. 2          | Mid       | 9 kHz – 26 GHz             | See section 8.1.2 | Pass   |
| 23-26  | Op. 2          | High      | 9 kHz – 18 GHz             | See section 8.1.2 | Pass   |
| 27     | Op. 1          | High      | Upper Restricted Band Edge | See section 8.1.2 | Pass   |
| 28     | Op. 2          | High      | Upper Restricted Band Edge | See section 8.1.2 | Pass   |

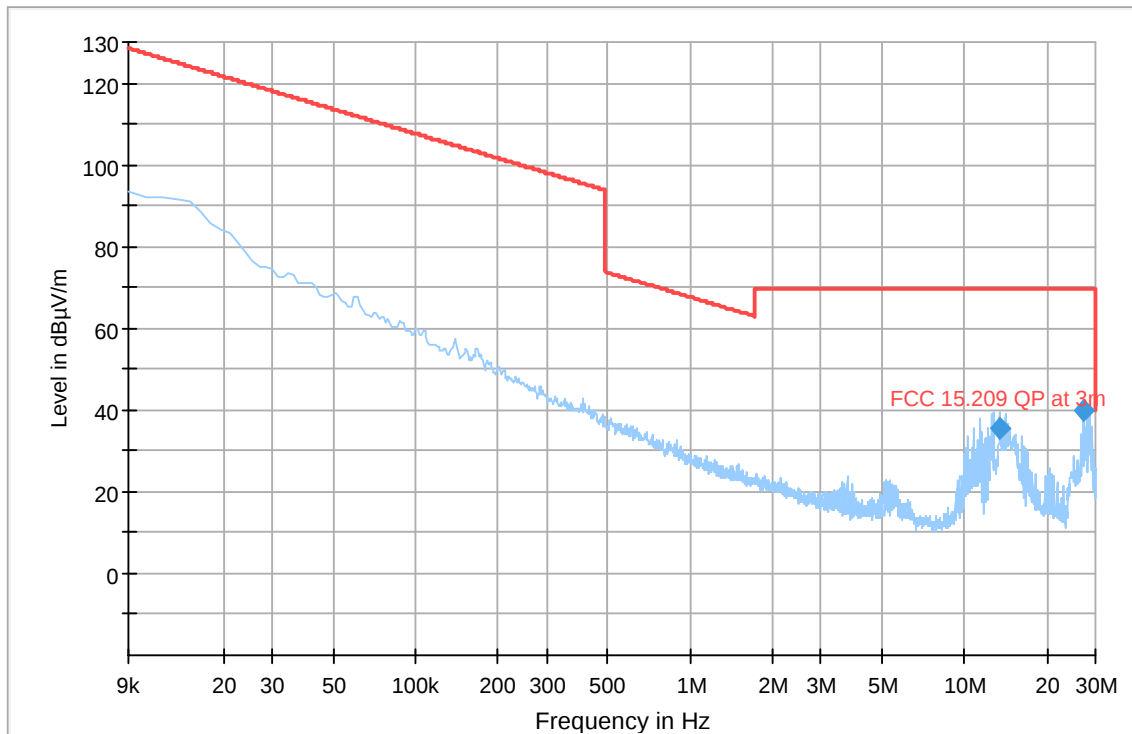
**Note:** For 18–26 GHz, radiated spurious emissions pre-scan and final measurements were performed on the mid channel only. No emissions above the noise floor were observed, and the mid channel is considered representative and worst case for this frequency range in accordance with KDB 996369.

## 8.1.5 Measurement Plots:

Plot # 1

## Final Result

| Frequency (MHz) | QuasiPeak (dBμV/m) | DET 2 (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) | Comment |
|-----------------|--------------------|----------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|--------------|---------|
| 13.48           | 35.62831529        | ---            | 69.50          | 33.87       | 500.0           | 9.0             | 120.0       | V   | 217.0         | 5.2          |         |
| 27.16           | 39.76938260        | ---            | 69.50          | 29.73       | 500.0           | 9.0             | 120.0       | V   | 275.0         | 4.7          |         |

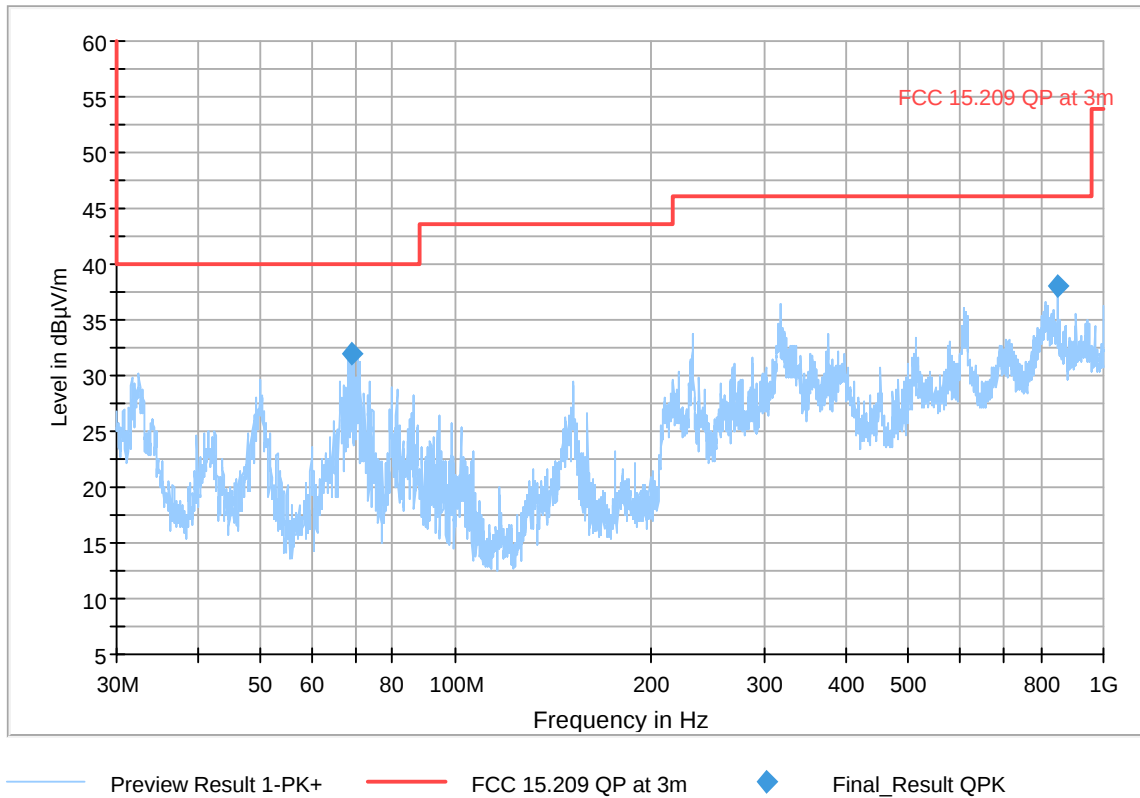


Preview Result 1-PK+    FCC 15.209 QP at 3m    Final\_Result QPK

## Plot # 2

## Final\_Result

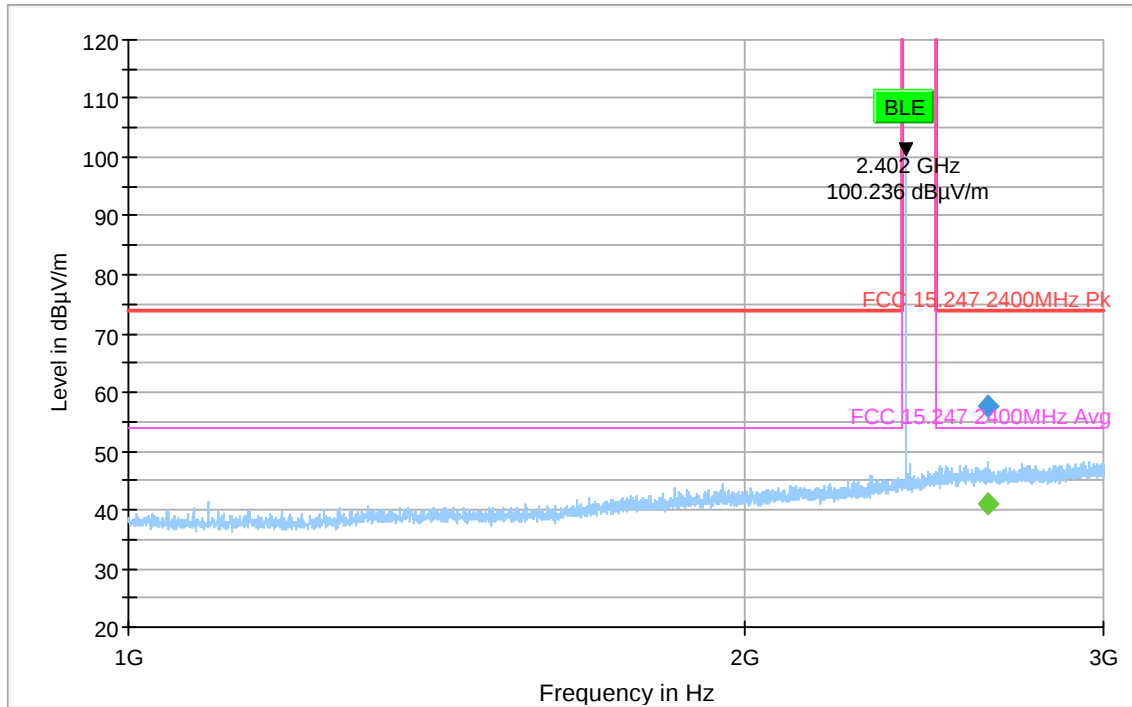
| Frequency (MHz) | QuasiPeak (dBμV/m) | DET 2 (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) | Comment |
|-----------------|--------------------|----------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|--------------|---------|
| 69.14           | 31.88092645        | ---            | 40.00          | 8.12        | 500.0           | 120.0           | 106.0       | V   | 297.0         | -20.9        |         |
| 849.99          | 38.07333381        | ---            | 46.02          | 7.95        | 500.0           | 120.0           | 100.0       | V   | 73.0          | -2.8         |         |



## Plot # 3

## Final\_Result

| Frequency (MHz) | MaxPeak (dBμV/m) | CAverage (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) | Comment |
|-----------------|------------------|-------------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|--------------|---------|
| 2634.50         | ---              | 40.94676224       | 54.00          | 13.05       | 500.0           | 1000.0          | 283.0       | V   | 294.0         | 34.7         |         |
| 2634.50         | 57.69953172      | ---               | 74.00          | 16.30       | 500.0           | 1000.0          | 283.0       | V   | 294.0         | 34.7         |         |



◆ Preview Result 1-PK+  
Final\_Result PK+

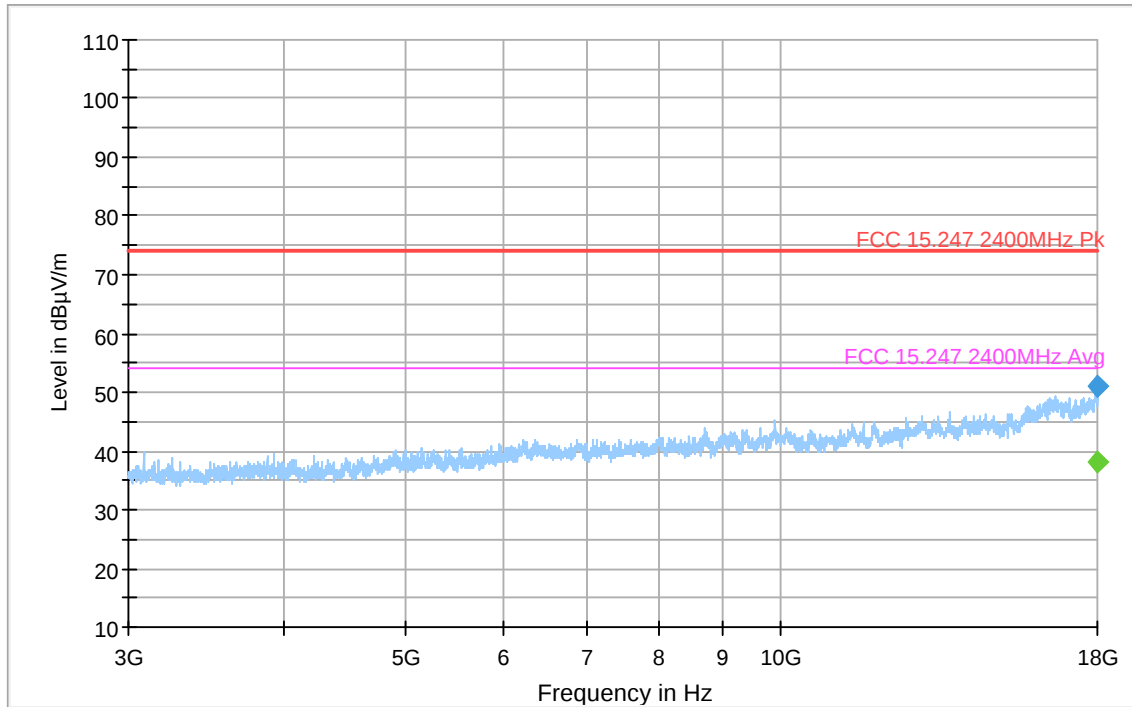
◆ FCC 15.247 2400MHz Pk  
Final\_Result CAV

— FCC 15.247 2400MHz Avg

## Plot # 4

## Final\_Result

| Frequency (MHz) | MaxPeak (dBμV/m) | CAverage (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) | Comment |
|-----------------|------------------|-------------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|--------------|---------|
| 17993.50        | ---              | 38.04331196       | 54.00          | 15.96       | 500.0           | 1000.0          | 300.0       | V   | 22.0          | 18.1         |         |
| 17993.50        | 51.04854572      | ---               | 74.00          | 22.95       | 500.0           | 1000.0          | 300.0       | V   | 22.0          | 18.1         |         |



Preview Result 1-PK+  
Final\_Result PK+

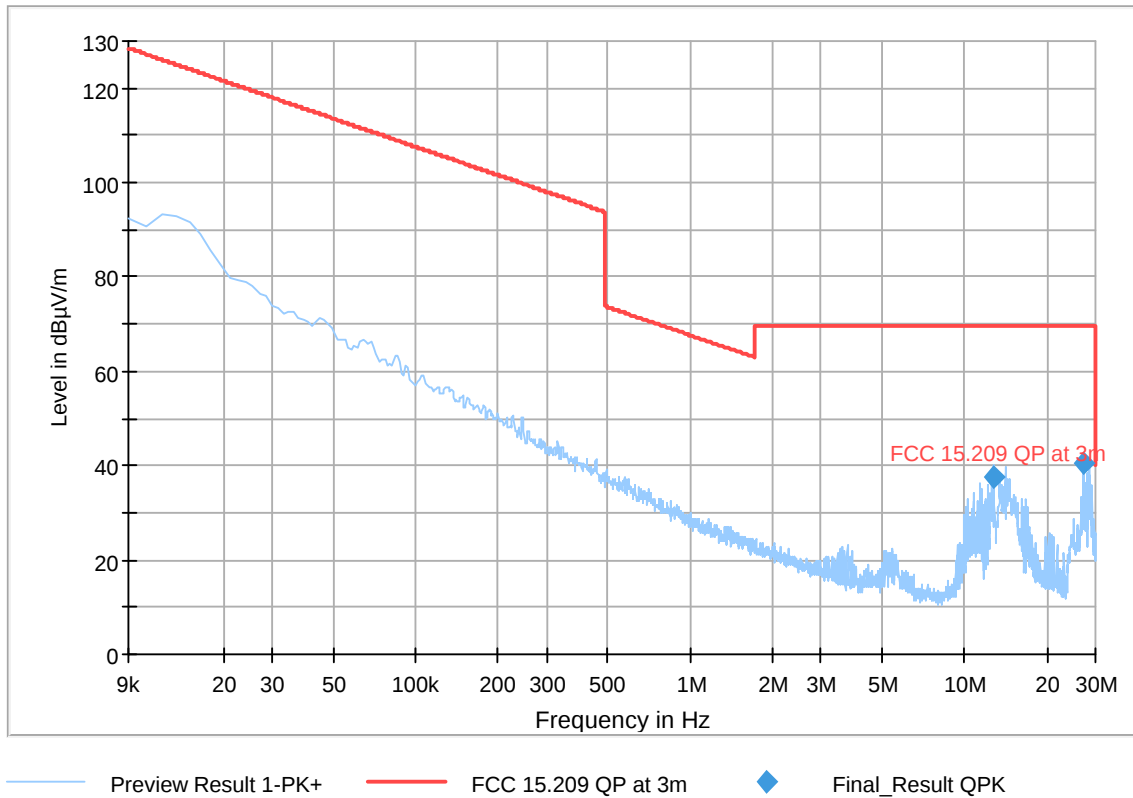
FCC 15.247 2400MHz Pk  
Final\_Result CAV

FCC 15.247 2400MHz Avg

## Plot # 5

## Final\_Result

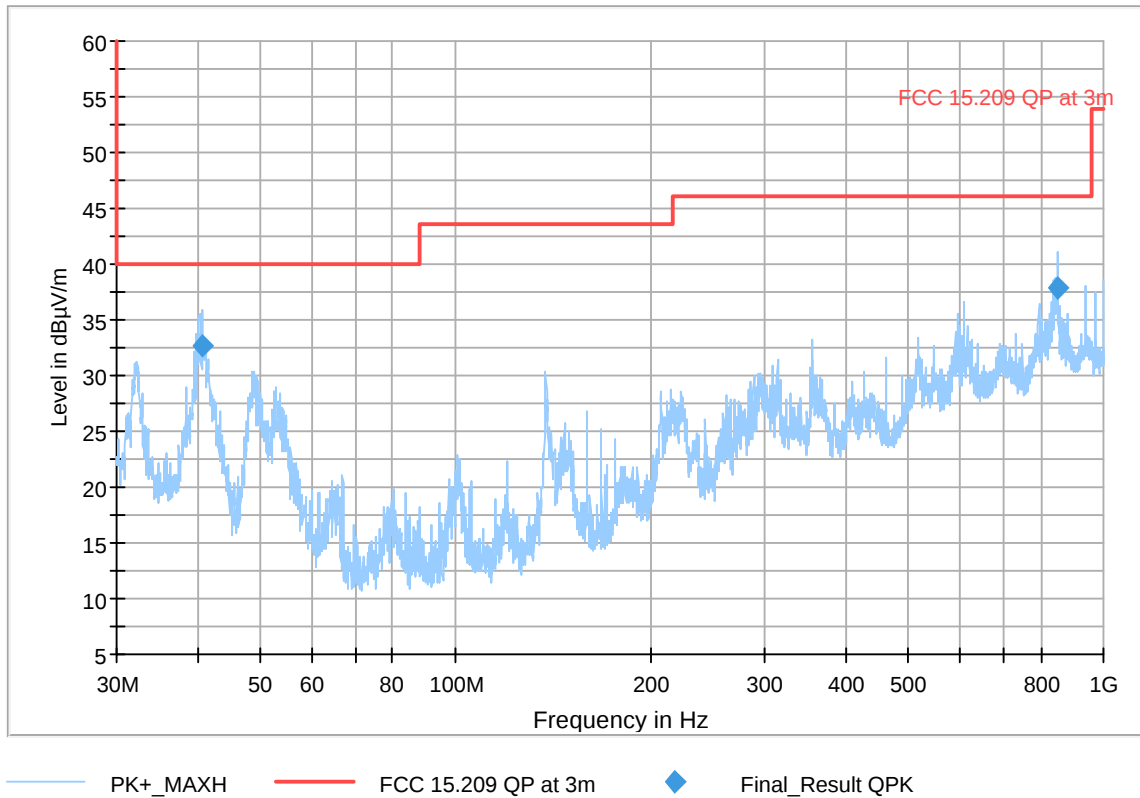
| Frequency (MHz) | QuasiPeak (dBμV/m) | DET 2 (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) | Comment |
|-----------------|--------------------|----------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|--------------|---------|
| 12.75           | 37.44023350        | ---            | 69.50          | 32.06       | 500.0           | 9.0             | 120.0       | H   | 275.0         | 5.2          |         |
| 27.16           | 40.42576230        | ---            | 69.50          | 29.07       | 500.0           | 9.0             | 120.0       | H   | 191.0         | 4.7          |         |



## Plot # 6

## Final\_Result

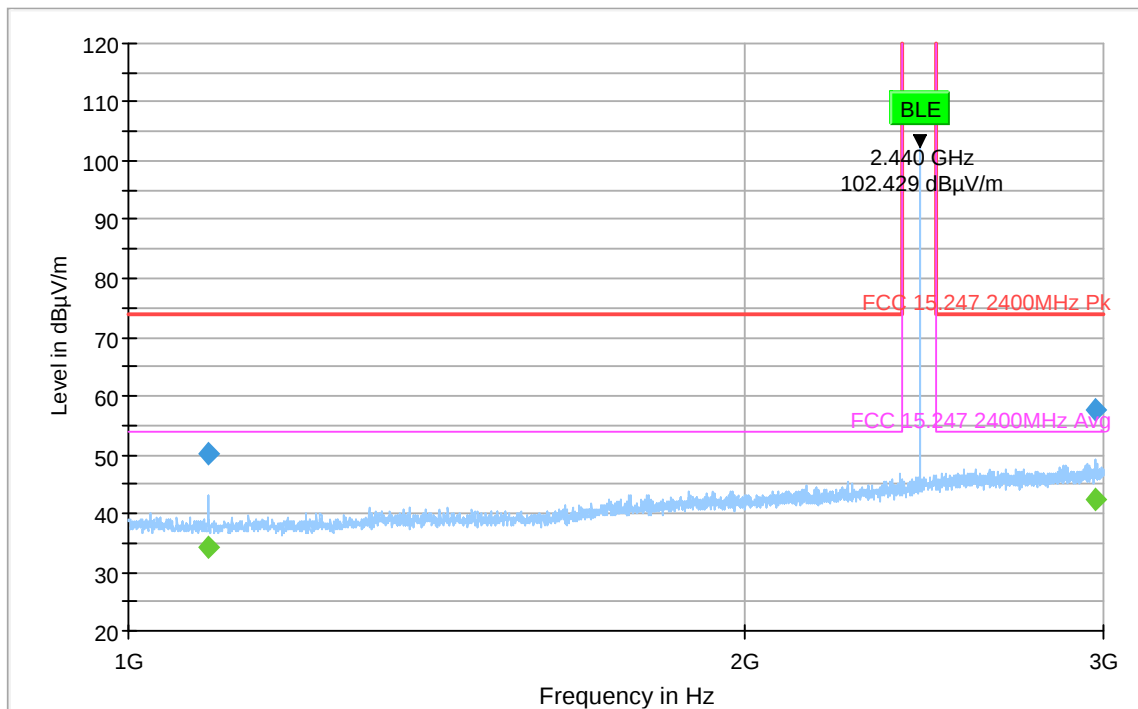
| Frequency (MHz) | QuasiPeak (dBμV/m) | DET 2 (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) | Comment |
|-----------------|--------------------|----------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|--------------|---------|
| 40.65           | 32.70869267        | ---            | 40.00          | 7.29        | 500.0           | 120.0           | 100.0       | V   | 121.0         | -18.3        |         |
| 849.97          | 37.90699426        | ---            | 46.02          | 8.11        | 500.0           | 120.0           | 106.0       | V   | 189.0         | -2.8         |         |



## Plot # 7

## Final\_Result

| Frequency (MHz) | MaxPeak (dBμV/m) | CAverage (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) | Comment |
|-----------------|------------------|-------------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|--------------|---------|
| 1093.50         | 50.14001044      | ---               | 74.00          | 23.86       | 500.0           | 1000.0          | 323.0       | V   | 130.0         | 28.6         |         |
| 1093.50         | ---              | 34.32065925       | 54.00          | 19.68       | 500.0           | 1000.0          | 323.0       | V   | 130.0         | 28.6         |         |
| 2975.50         | 57.65600127      | ---               | 74.00          | 16.34       | 500.0           | 1000.0          | 325.0       | H   | 126.0         | 35.8         |         |
| 2975.50         | ---              | 42.50278777       | 54.00          | 11.50       | 500.0           | 1000.0          | 325.0       | H   | 126.0         | 35.8         |         |



◆ Preview Result 1-PK+  
Final\_Result PK+

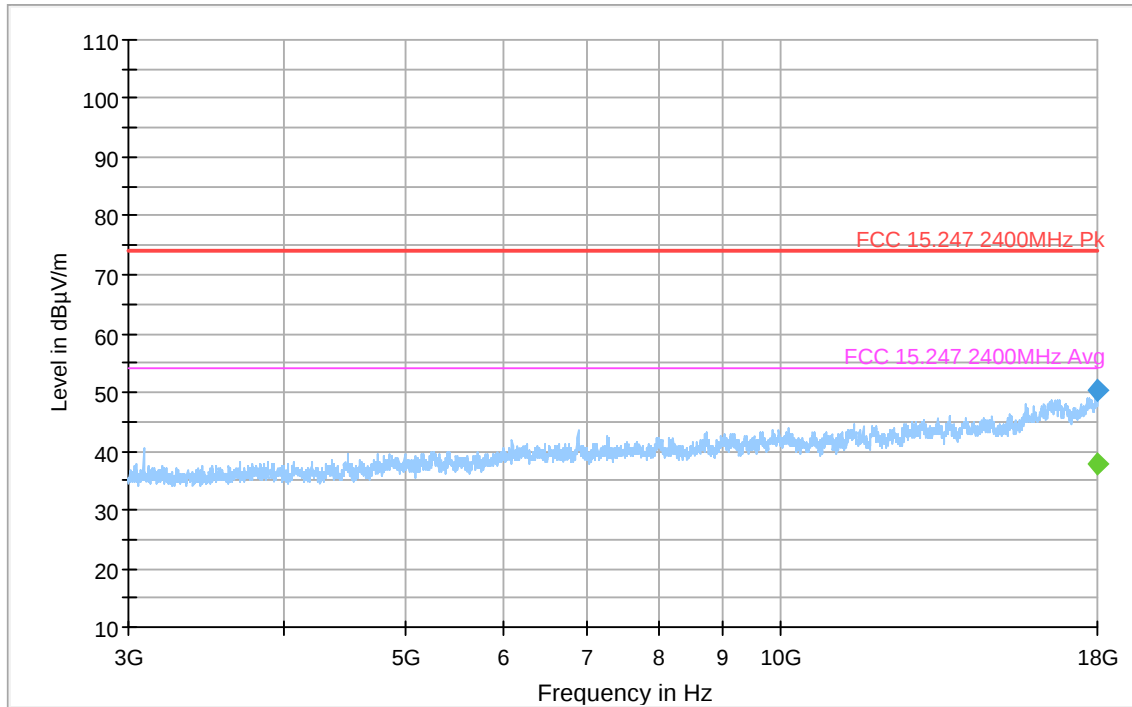
◆ FCC 15.247 2400MHz Pk  
Final\_Result CAV

— FCC 15.247 2400MHz Avg

## Plot # 8

## Final\_Result

| Frequency (MHz) | MaxPeak (dB $\mu$ V/m) | CAverage (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) | Comment |
|-----------------|------------------------|-------------------------|----------------------|-------------|-----------------|-----------------|-------------|-----|---------------|--------------|---------|
| 17991.50        | ---                    | 37.96603946             | 54.00                | 16.03       | 500.0           | 1000.0          | 262.0       | V   | 344.0         | 18.1         |         |
| 17991.50        | 50.41561679            | ---                     | 74.00                | 23.58       | 500.0           | 1000.0          | 262.0       | V   | 344.0         | 18.1         |         |

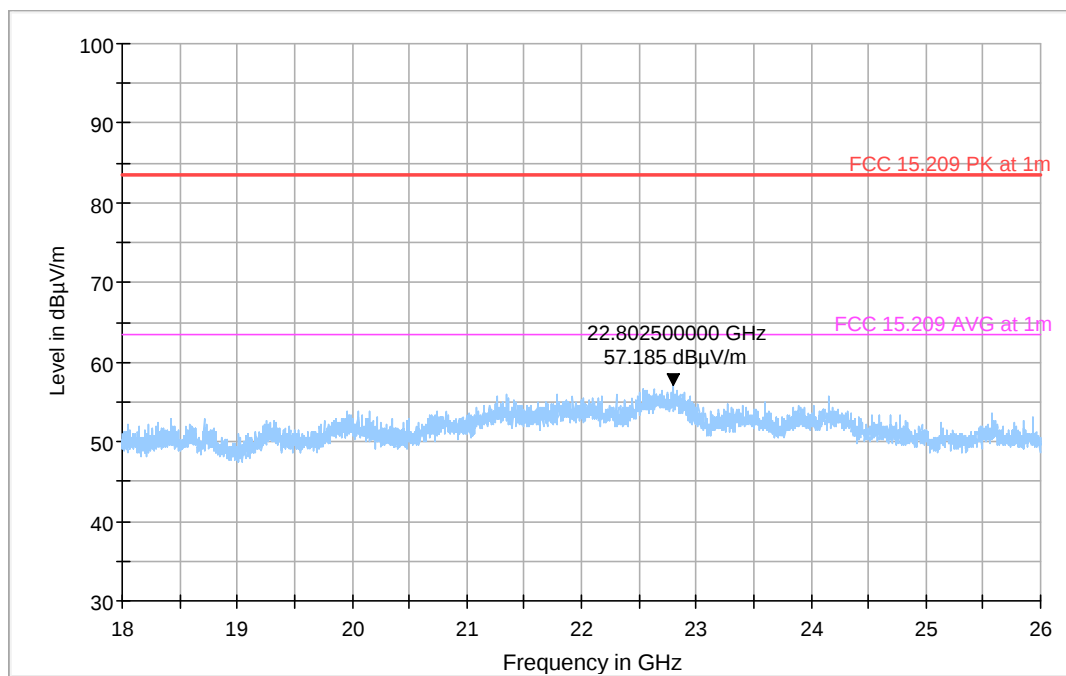


Preview Result 1-PK+  
Final\_Result PK+

FCC 15.247 2400MHz Pk  
Final\_Result CAV

FCC 15.247 2400MHz Avg

Plot # 9



AVG\_MAXH

FCC 15.209 AVG at 1m

PK+\_MAXH

Final\_Result PK+

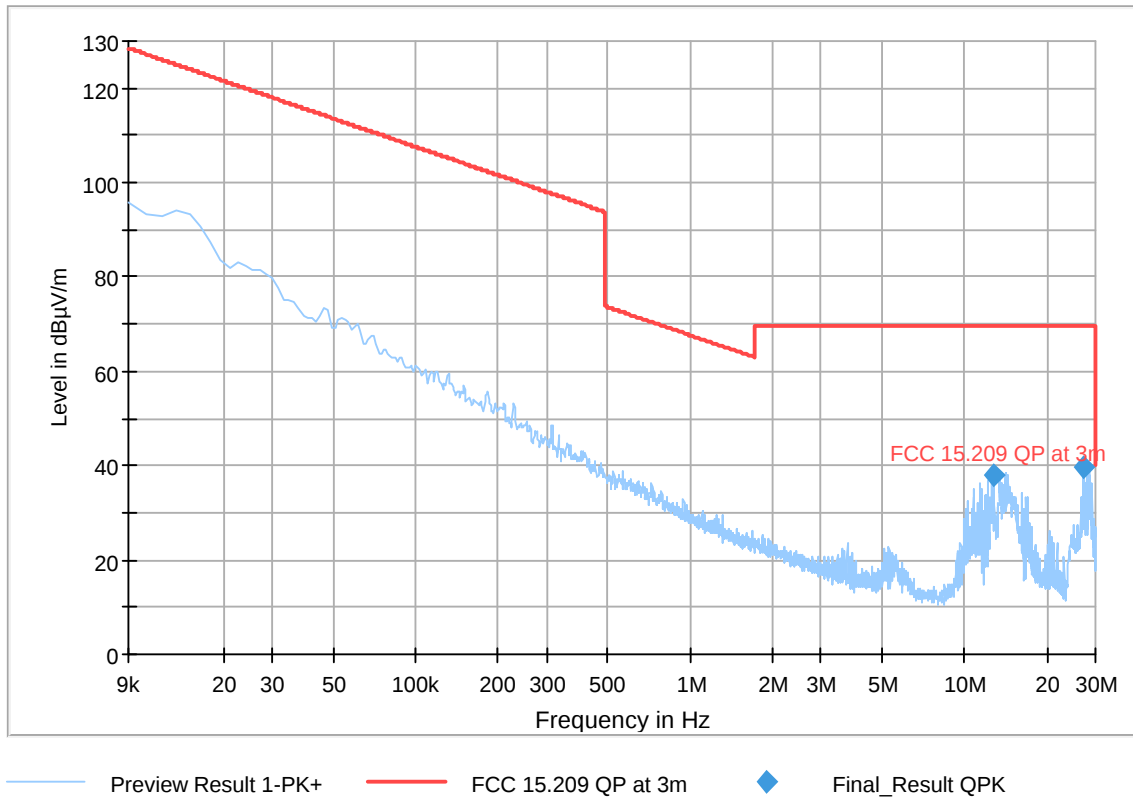
FCC 15.209 PK at 1m

Final\_Result AVG

## Plot # 10

## Final\_Result

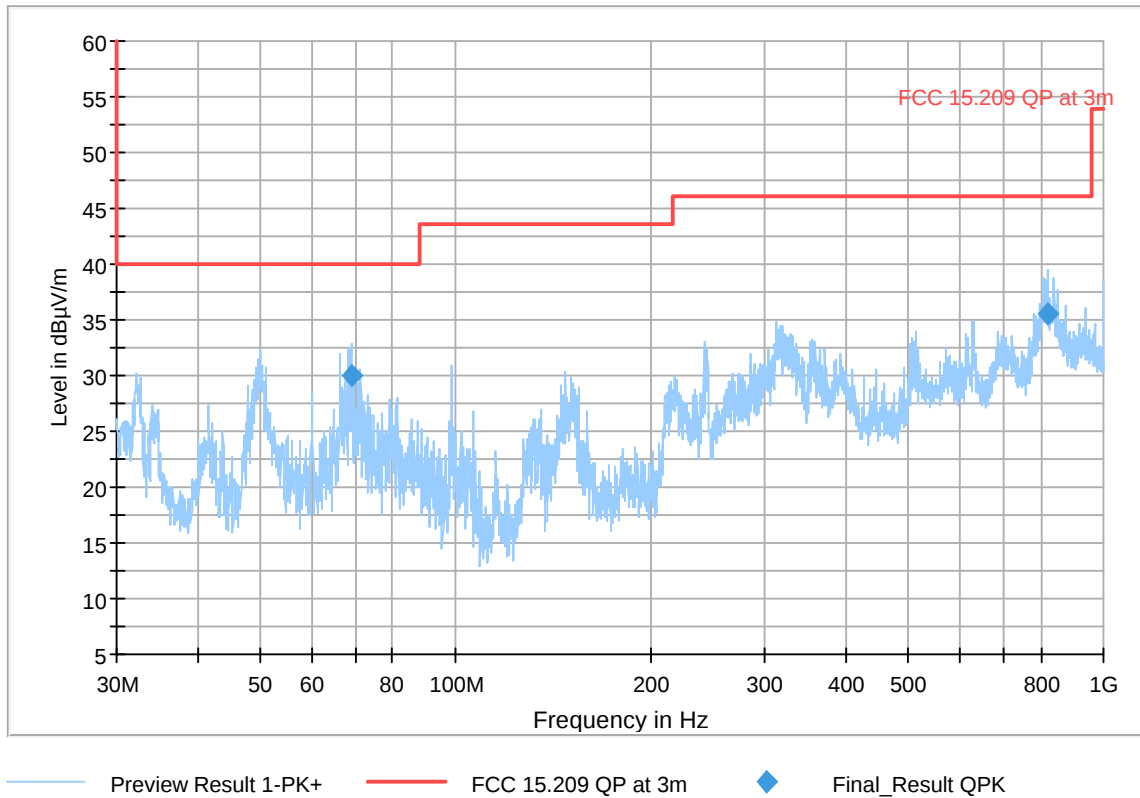
| Frequency (MHz) | QuasiPeak (dBμV/m) | DET 2 (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) | Comment |
|-----------------|--------------------|----------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|--------------|---------|
| 12.75           | 38.05549876        | ---            | 69.50          | 31.44       | 500.0           | 9.0             | 120.0       | V   | 179.0         | 5.2          |         |
| 27.16           | 39.56509794        | ---            | 69.50          | 29.93       | 500.0           | 9.0             | 120.0       | H   | 250.0         | 4.7          |         |



## Plot # 11

## Final\_Result

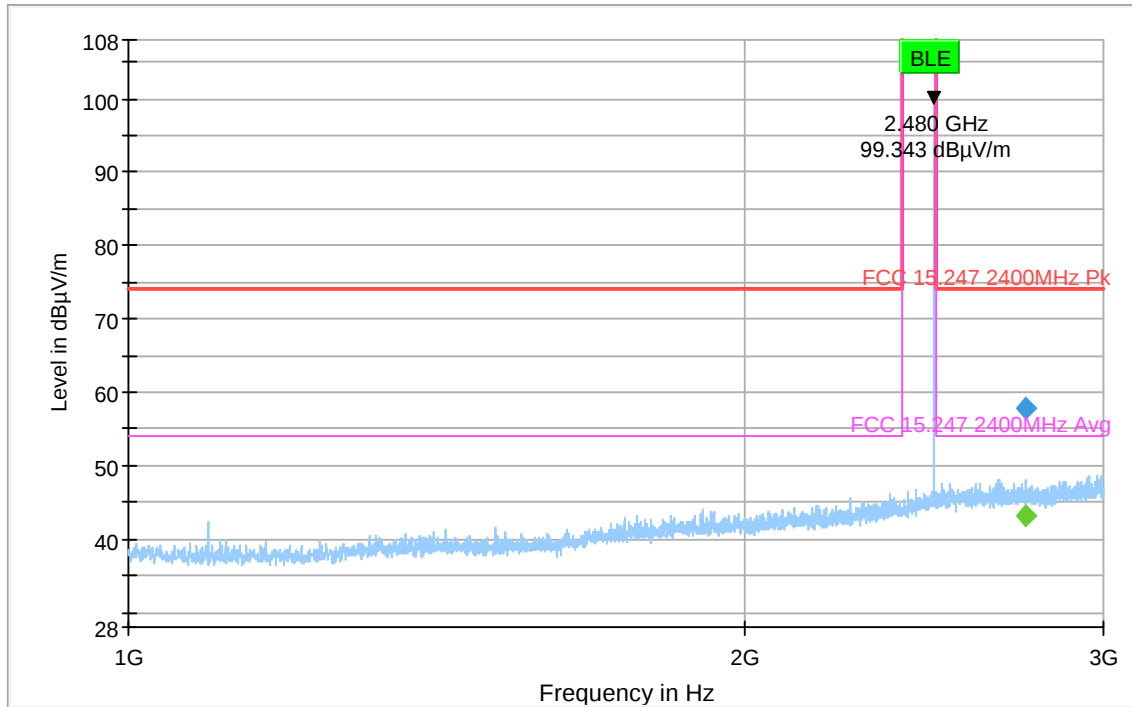
| Frequency (MHz) | QuasiPeak (dBμV/m) | DET 2 (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) | Comment |
|-----------------|--------------------|----------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|--------------|---------|
| 69.09           | 29.94817150        | ---            | 40.00          | 10.05       | 500.0           | 120.0           | 106.0       | V   | 341.0         | -20.9        |         |
| 818.32          | 35.49608324        | ---            | 46.02          | 10.52       | 500.0           | 120.0           | 100.0       | H   | 204.0         | -2.3         |         |



## Plot # 12

## Final\_Result

| Frequency (MHz) | MaxPeak (dBμV/m) | CAverage (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) | Comment |
|-----------------|------------------|-------------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|--------------|---------|
| 2750.50         | ---              | 43.13781493       | 54.00          | 10.86       | 500.0           | 1000.0          | 132.0       | V   | 269.0         | 35.0         |         |
| 2750.50         | 57.89773314      | ---               | 74.00          | 16.10       | 500.0           | 1000.0          | 132.0       | V   | 269.0         | 35.0         |         |



Preview Result 1-PK+  
Final\_Result PK+

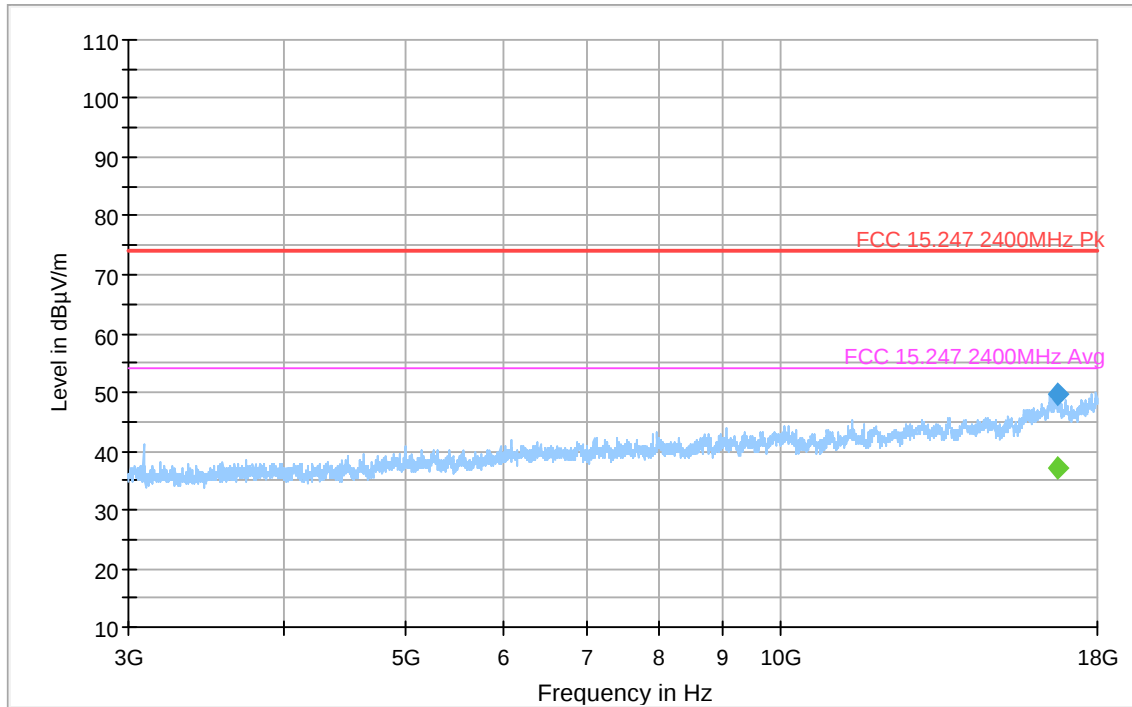
FCC 15.247 2400MHz Pk  
Final\_Result CAV

FCC 15.247 2400MHz Avg

## Plot # 13

## Final\_Result

| Frequency (MHz) | MaxPeak (dBµV/m) | CAverage (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) | Comment |
|-----------------|------------------|-------------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|--------------|---------|
| 16718.25        | ---              | 37.18304274       | 54.00          | 16.82       | 500.0           | 1000.0          | 249.0       | H   | 29.0          | 14.3         |         |
| 16718.25        | 49.82491896      | ---               | 74.00          | 24.18       | 500.0           | 1000.0          | 249.0       | H   | 29.0          | 14.3         |         |

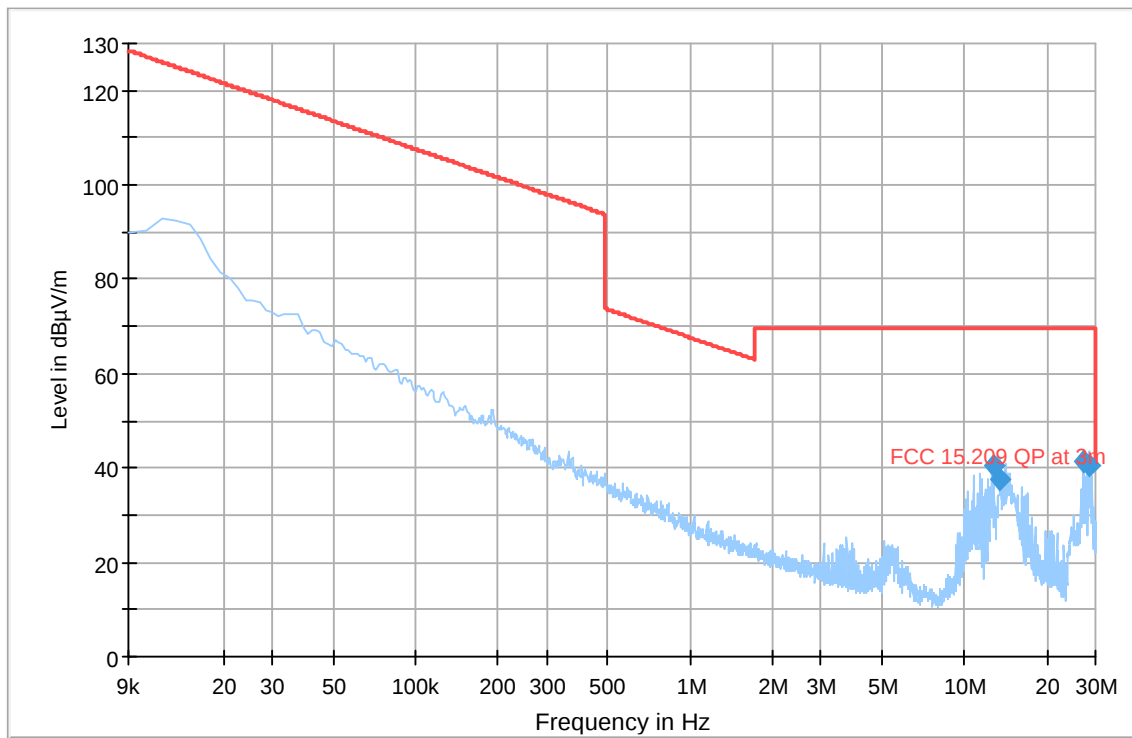


◆ Preview Result 1-PK+ Final\_Result PK+      ◆ FCC 15.247 2400MHz Pk Final\_Result CAV      — FCC 15.247 2400MHz Avg

## Plot # 14

## Final\_Result

| Frequency (MHz) | QuasiPeak (dBμV/m) | DET 2 (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) | Comment |
|-----------------|--------------------|----------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|--------------|---------|
| 12.75           | 40.43393162        | ---            | 69.50          | 29.07       | 500.0           | 9.0             | 120.0       | V   | 6.0           | 5.2          |         |
| 13.48           | 37.63451799        | ---            | 69.50          | 31.87       | 500.0           | 9.0             | 120.0       | V   | 33.0          | 5.2          |         |
| 27.16           | 41.56046689        | ---            | 69.50          | 27.94       | 500.0           | 9.0             | 120.0       | V   | 197.0         | 4.7          |         |
| 28.68           | 40.51125346        | ---            | 69.50          | 28.99       | 500.0           | 9.0             | 120.0       | V   | 120.0         | 4.5          |         |

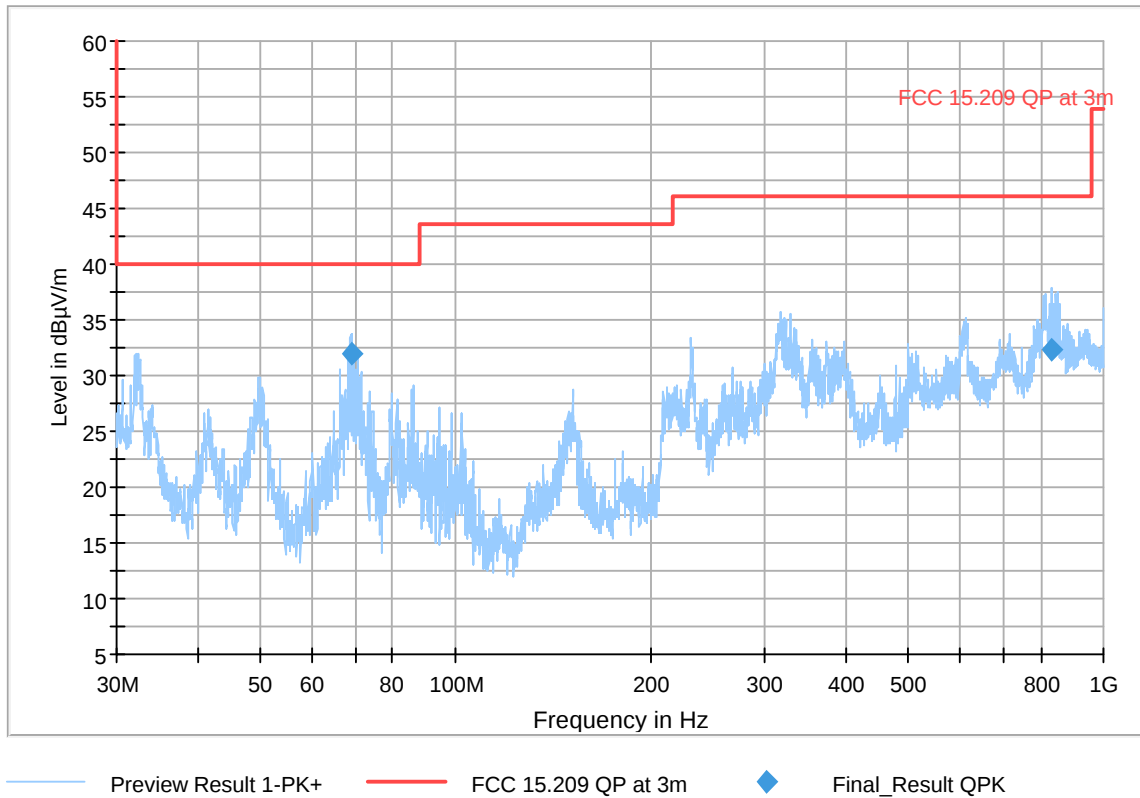


Preview Result 1-PK+    FCC 15.209 QP at 3m    Final\_Result QPK

## Plot # 15

## Final\_Result

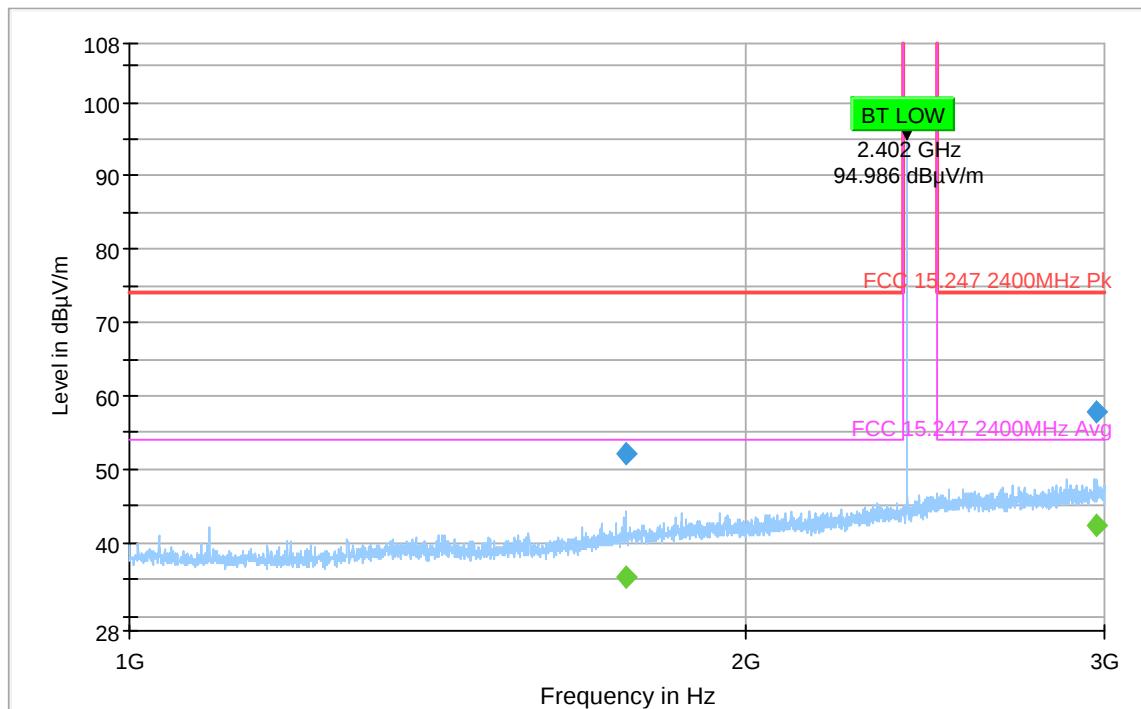
| Frequency (MHz) | QuasiPeak (dBμV/m) | DET 2 (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) | Comment |
|-----------------|--------------------|----------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|--------------|---------|
| 68.97           | 32.04660887        | ---            | 40.00          | 7.95        | 500.0           | 120.0           | 122.0       | V   | -41.0         | -20.9        |         |
| 833.84          | 32.27563735        | ---            | 46.02          | 13.74       | 500.0           | 120.0           | 157.0       | H   | 19.0          | -2.6         |         |



## Plot # 16

## Final\_Result

| Frequency (MHz) | MaxPeak (dBμV/m) | CAverage (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) | Comment |
|-----------------|------------------|-------------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|--------------|---------|
| 1751.00         | 52.25199500      | ---               | 74.00          | 21.75       | 500.0           | 1000.0          | 309.0       | V   | 150.0         | 31.2         |         |
| 1751.00         | ---              | 35.19455329       | 54.00          | 18.81       | 500.0           | 1000.0          | 309.0       | V   | 150.0         | 31.2         |         |
| 2976.50         | 57.85274937      | ---               | 74.00          | 16.15       | 500.0           | 1000.0          | 177.0       | V   | 31.0          | 35.7         |         |
| 2976.50         | ---              | 42.46912816       | 54.00          | 11.53       | 500.0           | 1000.0          | 177.0       | V   | 31.0          | 35.7         |         |



Preview Result 1-PK+  
Final\_Result PK+

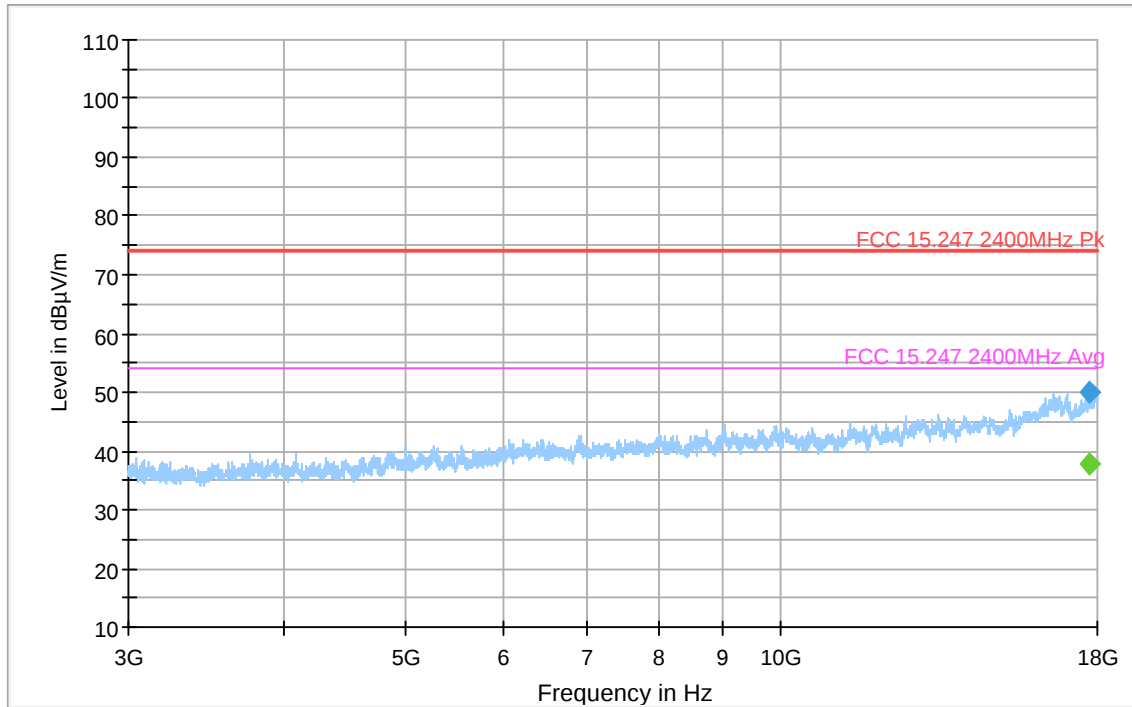
FCC 15.247 2400MHz Pk  
Final\_Result CAV

FCC 15.247 2400MHz Avg

## Plot # 17

## Final\_Result

| Frequency (MHz) | MaxPeak (dBμV/m) | CAverage (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) | Comment |
|-----------------|------------------|-------------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|--------------|---------|
| 17744.50        | ---              | 37.71810867       | 54.00          | 16.28       | 500.0           | 1000.0          | 293.0       | V   | 256.0         | 16.1         |         |
| 17744.50        | 50.07295181      | ---               | 74.00          | 23.93       | 500.0           | 1000.0          | 293.0       | V   | 256.0         | 16.1         |         |



Preview Result 1-PK+  
Final\_Result PK+

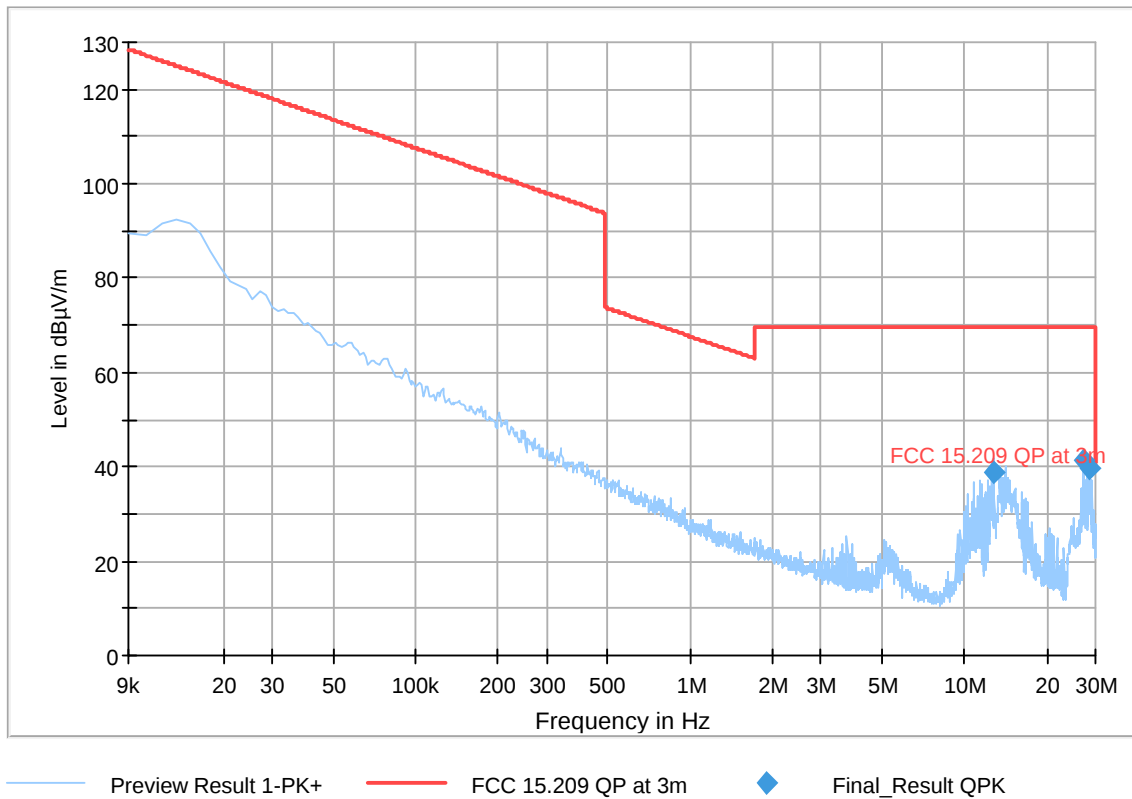
FCC 15.247 2400MHz Pk  
Final\_Result CAV

FCC 15.247 2400MHz Avg

## Plot # 18

## Final\_Result

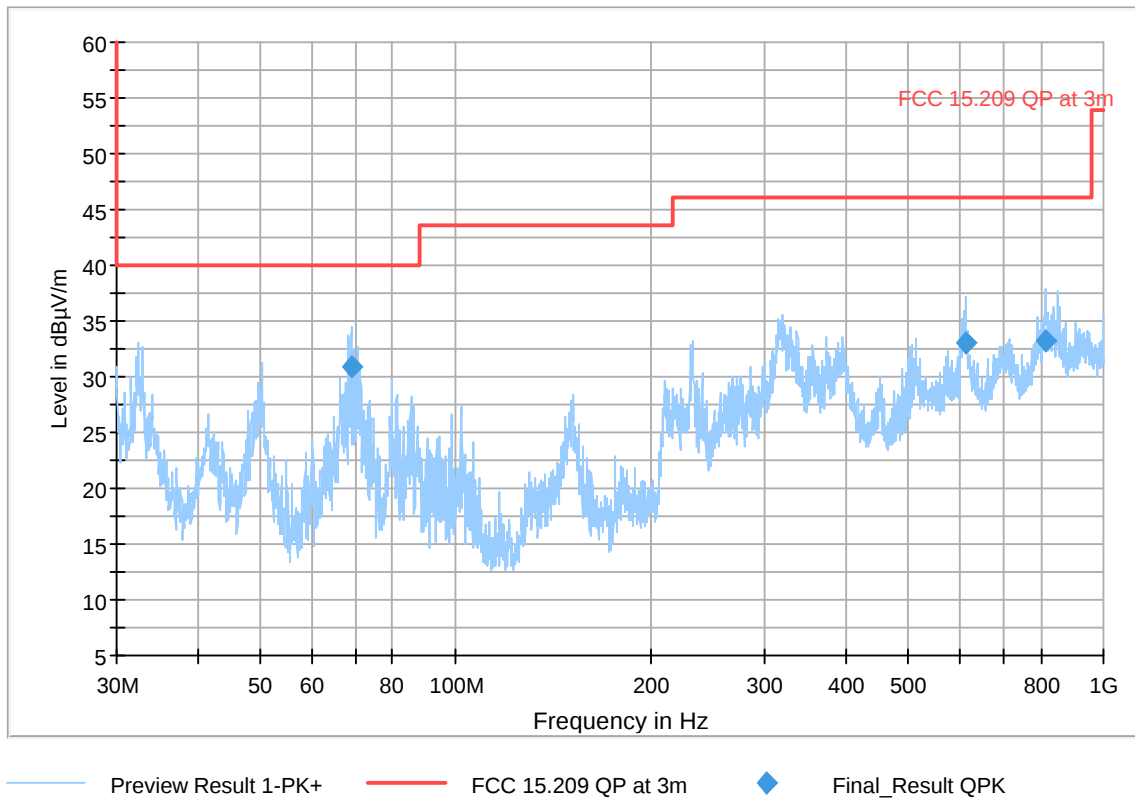
| Frequency (MHz) | QuasiPeak (dBμV/m) | DET 2 (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) | Comment |
|-----------------|--------------------|----------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|--------------|---------|
| 12.75           | 38.72576359        | ---            | 69.50          | 30.77       | 500.0           | 9.0             | 120.0       | V   | -33.0         | 5.2          |         |
| 27.16           | 41.34105314        | ---            | 69.50          | 28.16       | 500.0           | 9.0             | 120.0       | V   | 40.0          | 4.7          |         |
| 28.68           | 39.85152446        | ---            | 69.50          | 29.65       | 500.0           | 9.0             | 120.0       | V   | 150.0         | 4.5          |         |



## Plot # 19

## Final\_Result

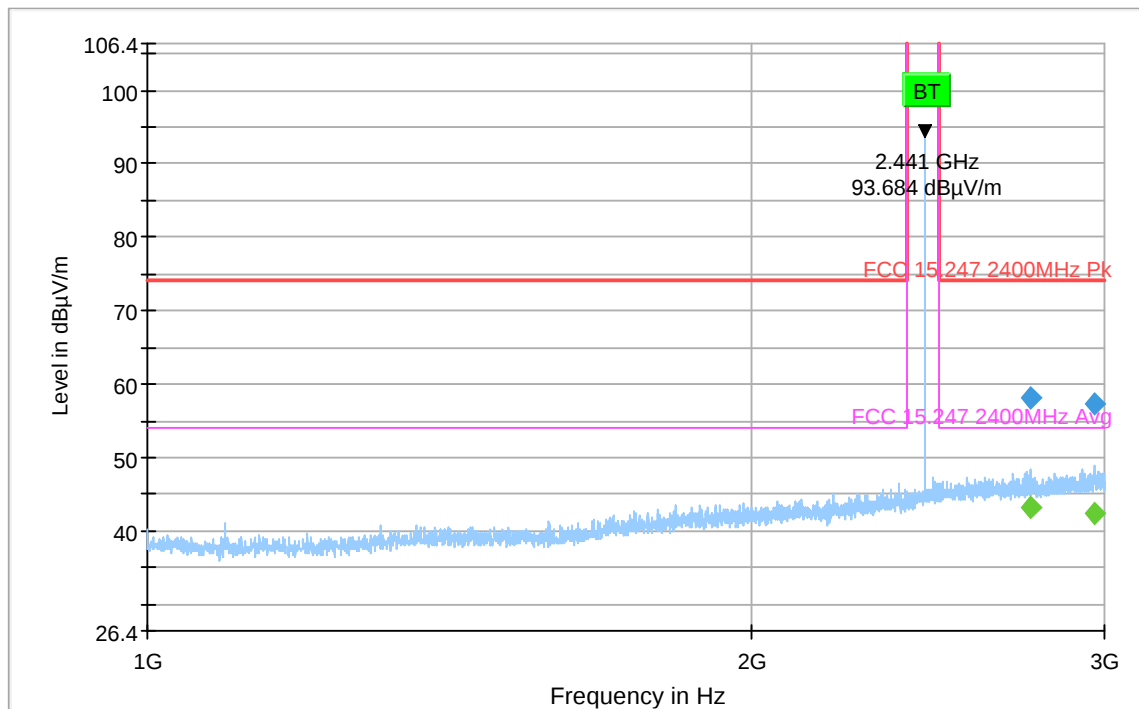
| Frequency (MHz) | QuasiPeak (dBμV/m) | DET 2 (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) | Comment |
|-----------------|--------------------|----------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|--------------|---------|
| 69.09           | 30.94009960        | ---            | 40.00          | 9.06        | 500.0           | 120.0           | 112.0       | V   | 346.0         | -20.9        |         |
| 614.40          | 33.11540562        | ---            | 46.02          | 12.91       | 500.0           | 120.0           | 100.0       | V   | 139.0         | -5.0         |         |
| 812.21          | 33.22105850        | ---            | 46.02          | 12.80       | 500.0           | 120.0           | 100.0       | V   | 174.0         | -2.1         |         |



## Plot # 20

## Final\_Result

| Frequency (MHz) | MaxPeak (dBμV/m) | CAverage (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) | Comment |
|-----------------|------------------|-------------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|--------------|---------|
| 2756.50         | ---              | 43.11284294       | 54.00          | 10.89       | 500.0           | 1000.0          | 325.0       | V   | 127.0         | 35.0         |         |
| 2756.50         | 58.15028801      | ---               | 74.00          | 15.85       | 500.0           | 1000.0          | 325.0       | V   | 127.0         | 35.0         |         |
| 2966.00         | ---              | 42.32871482       | 54.00          | 11.67       | 500.0           | 1000.0          | 225.0       | V   | 281.0         | 35.7         |         |
| 2966.00         | 57.32416007      | ---               | 74.00          | 16.68       | 500.0           | 1000.0          | 225.0       | V   | 281.0         | 35.7         |         |



Preview Result 1-PK+  
Final\_Result PK+

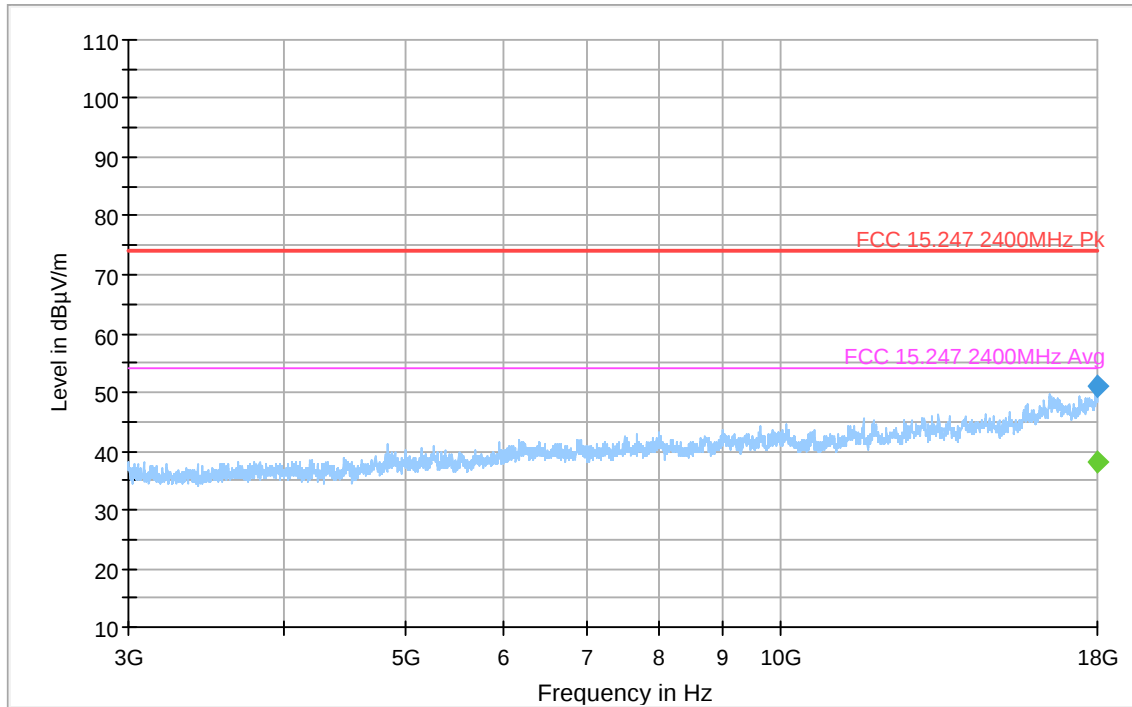
FCC 15.247 2400MHz Pk  
Final\_Result CAV

FCC 15.247 2400MHz Avg

## Plot # 21

## Final\_Result

| Frequency (MHz) | MaxPeak (dBμV/m) | CAverage (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) | Comment |
|-----------------|------------------|-------------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|--------------|---------|
| 17998.50        | ---              | 38.19126832       | 54.00          | 15.81       | 500.0           | 1000.0          | 110.0       | V   | 155.0         | 18.1         |         |
| 17998.50        | 50.93378388      | ---               | 74.00          | 23.07       | 500.0           | 1000.0          | 110.0       | V   | 155.0         | 18.1         |         |

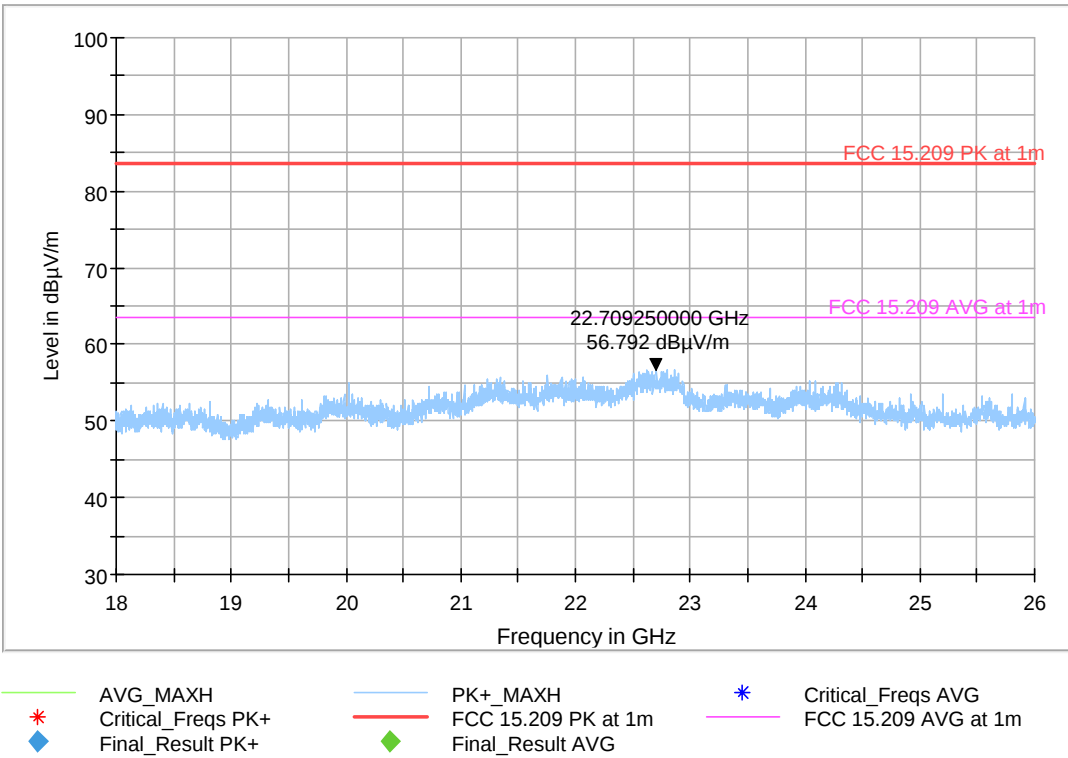


Preview Result 1-PK+  
Final\_Result PK+

FCC 15.247 2400MHz Pk  
Final\_Result CAV

FCC 15.247 2400MHz Avg

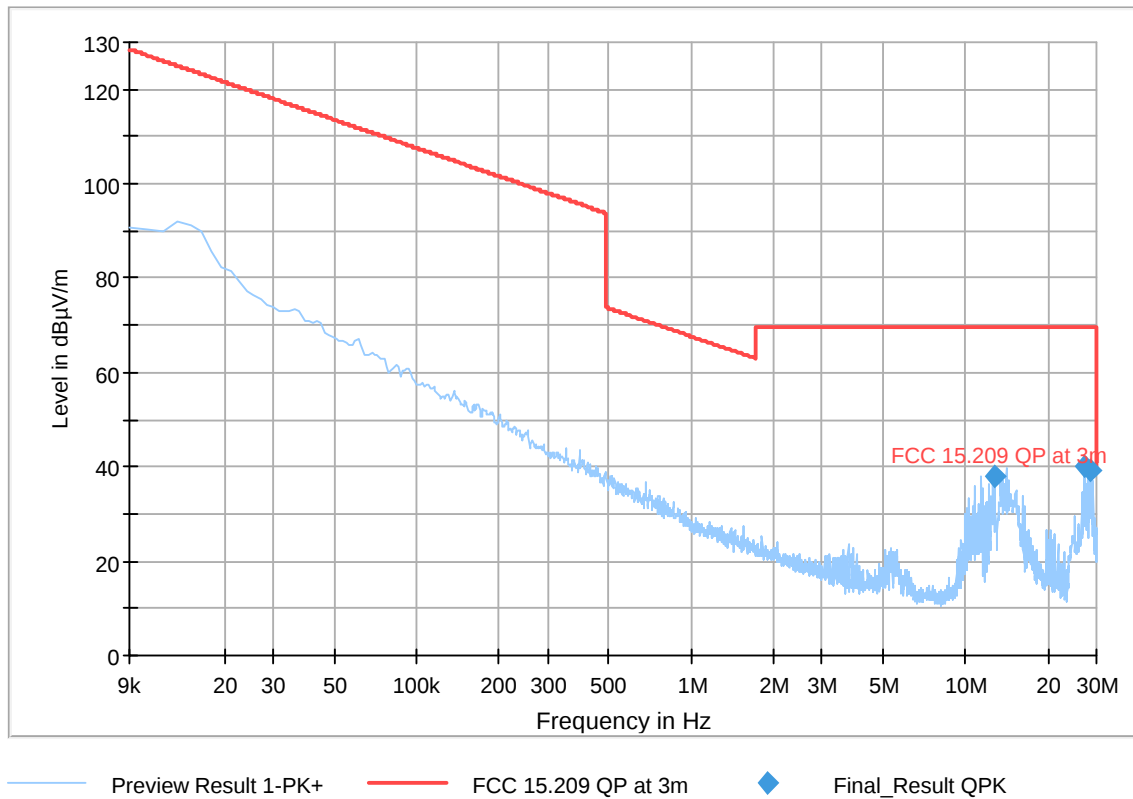
Plot # 22



## Plot # 23

## Final\_Result

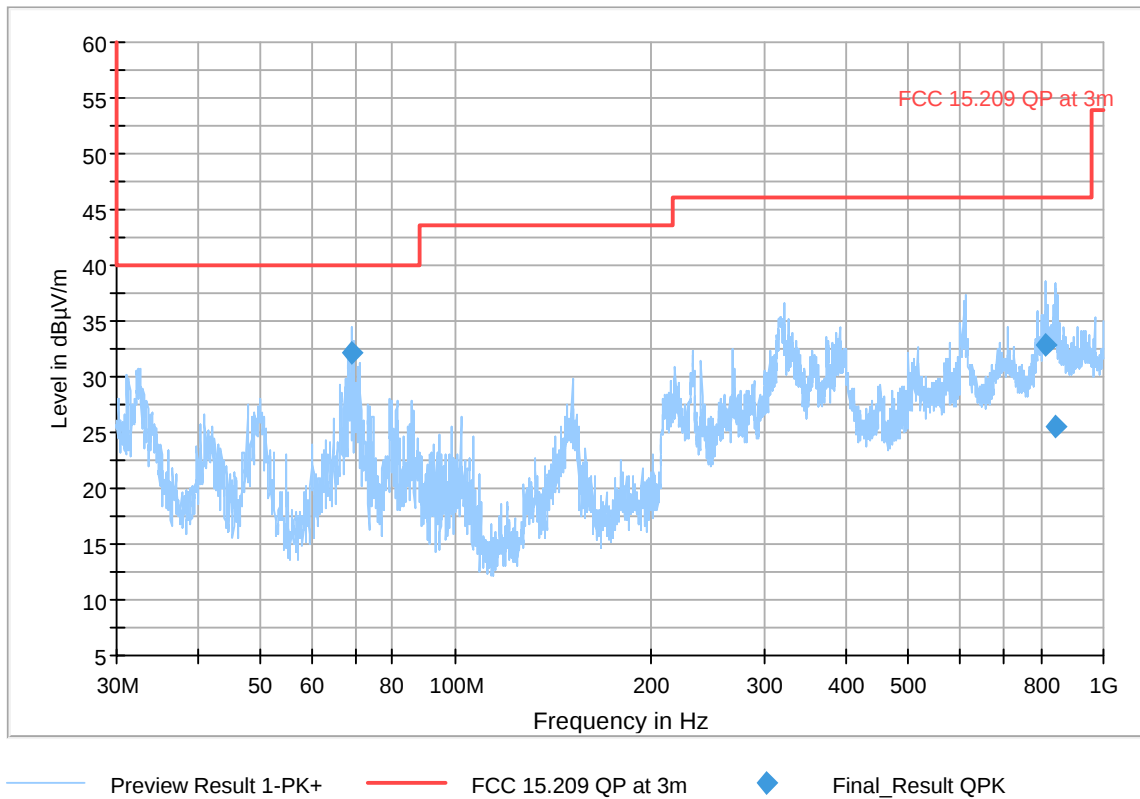
| Frequency (MHz) | QuasiPeak (dBμV/m) | DET 2 (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) | Comment |
|-----------------|--------------------|----------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|--------------|---------|
| 12.75           | 37.77878825        | ---            | 69.50          | 31.72       | 500.0           | 9.0             | 120.0       | H   | 228.0         | 5.2          |         |
| 27.16           | 39.91235746        | ---            | 69.50          | 29.59       | 500.0           | 9.0             | 120.0       | V   | 201.0         | 4.7          |         |
| 28.68           | 39.36177074        | ---            | 69.50          | 30.14       | 500.0           | 9.0             | 120.0       | V   | 329.0         | 4.5          |         |



## Plot # 24

## Final\_Result

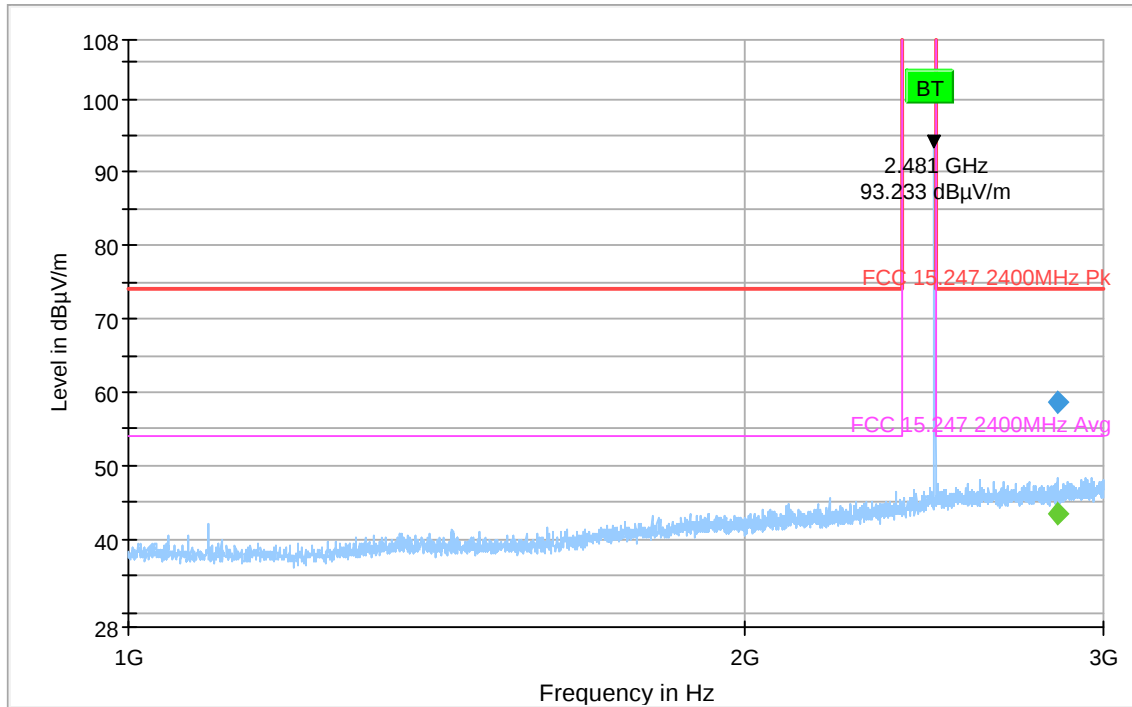
| Frequency (MHz) | QuasiPeak (dBμV/m) | DET 2 (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) | Comment |
|-----------------|--------------------|----------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|--------------|---------|
| 69.12           | 32.10022937        | ---            | 40.00          | 7.90        | 500.0           | 120.0           | 139.0       | V   | 295.0         | -20.9        |         |
| 815.85          | 32.81880376        | ---            | 46.02          | 13.20       | 500.0           | 120.0           | 160.0       | V   | 284.0         | -2.1         |         |
| 842.76          | 25.53616138        | ---            | 46.02          | 20.48       | 500.0           | 120.0           | 398.0       | V   | 352.0         | -2.8         |         |



## Plot # 25

## Final\_Result

| Frequency (MHz) | MaxPeak (dBμV/m) | CAverage (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) | Comment |
|-----------------|------------------|-------------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|--------------|---------|
| 2848.50         | ---              | 43.35396355       | 54.00          | 10.65       | 500.0           | 1000.0          | 100.0       | V   | 41.0          | 35.1         |         |
| 2848.50         | 58.62168664      | ---               | 74.00          | 15.38       | 500.0           | 1000.0          | 100.0       | V   | 41.0          | 35.1         |         |

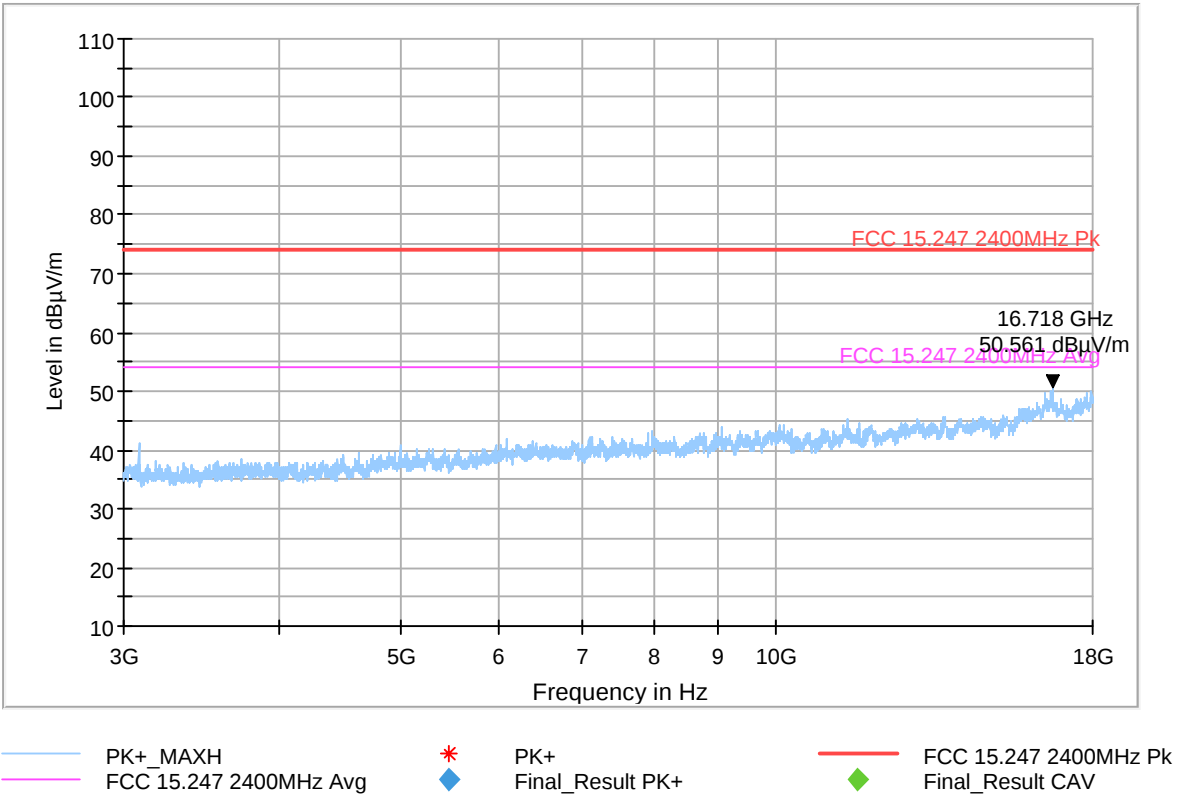


Preview Result 1-PK+  
Final\_Result PK+

FCC 15.247 2400MHz Pk  
Final\_Result CAV

FCC 15.247 2400MHz Avg

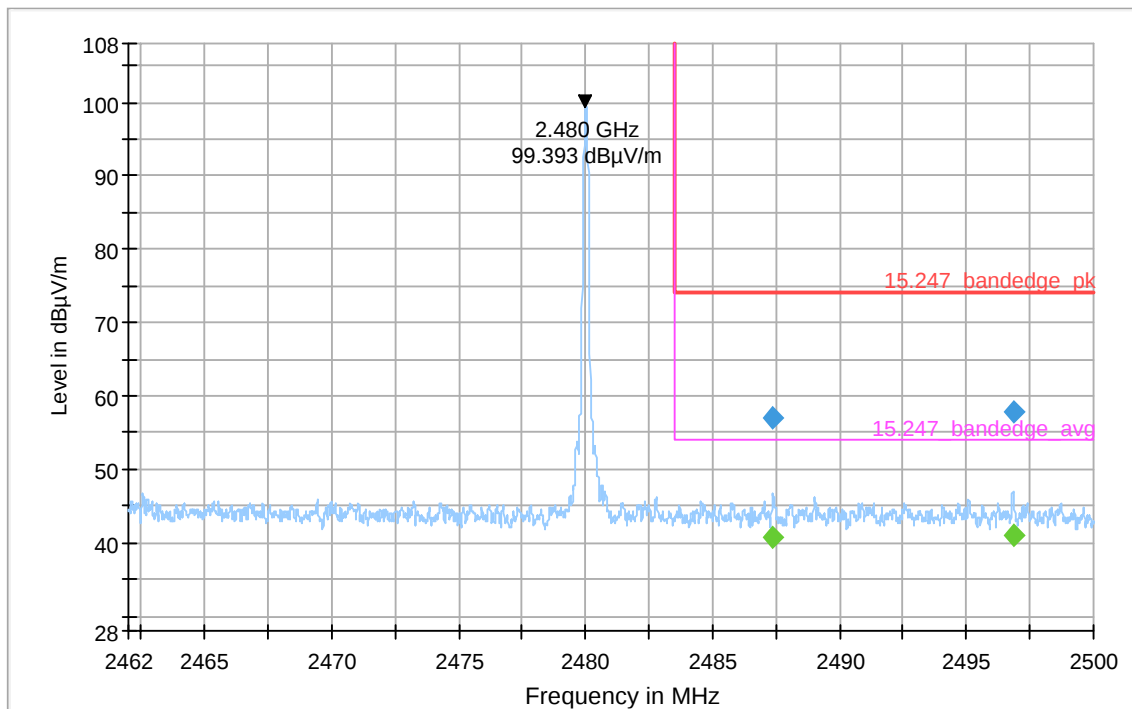
Plot # 26



## Plot # 27

## Final\_Result

| Frequency (MHz) | MaxPeak (dBμV/m) | CAverage (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) | Comment |
|-----------------|------------------|-------------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|--------------|---------|
| 2487.37         | ---              | 40.83446342       | 54.00          | 13.17       | 500.0           | 1000.0          | 107.0       | H   | 154.0         | 34.0         |         |
| 2487.37         | 57.04907066      | ---               | 74.00          | 16.95       | 500.0           | 1000.0          | 107.0       | H   | 154.0         | 34.0         |         |
| 2496.84         | ---              | 40.96314248       | 54.00          | 13.04       | 500.0           | 1000.0          | 194.0       | H   | 109.0         | 34.1         |         |
| 2496.84         | 57.73379524      | ---               | 74.00          | 16.27       | 500.0           | 1000.0          | 194.0       | H   | 109.0         | 34.1         |         |



Preview Result 1-PK+  
Final\_Result PK+

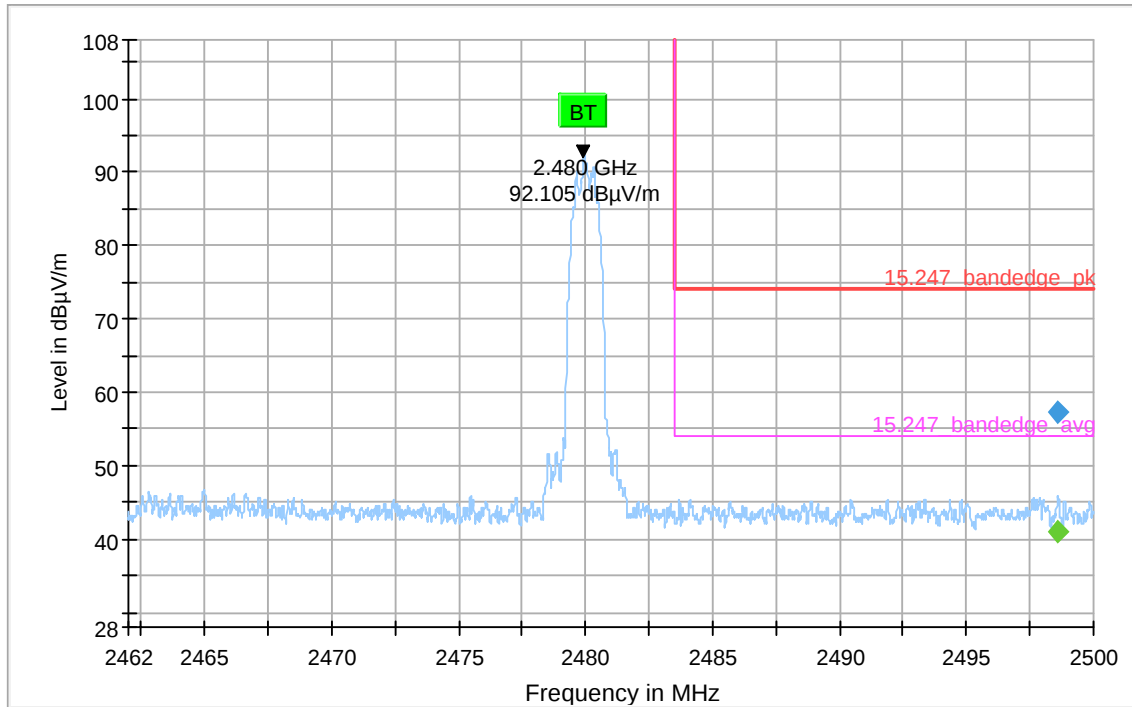
15.247\_bandedge\_pk  
Final\_Result CAV

15.247\_bandedge\_avg

## Plot # 28

## Final\_Result

| Frequency (MHz) | MaxPeak (dBμV/m) | CAverage (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) | Comment |
|-----------------|------------------|-------------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|--------------|---------|
| 2498.60         | ---              | 40.94040675       | 54.00          | 13.06       | 500.0           | 1000.0          | 165.0       | V   | 18.0          | 34.0         |         |
| 2498.60         | 57.39427180      | ---               | 74.00          | 16.61       | 500.0           | 1000.0          | 165.0       | V   | 18.0          | 34.0         |         |



Preview Result 1-PK+  
Final\_Result PK+

15.247\_bandedge\_pk  
Final\_Result CAV

15.247\_bandedge\_avg

## 9 Test setup photos

Setup photos are included in supporting file name: "EMC\_RIVIA\_101\_25001\_KDB996369\_Setup\_Photos"

## 10 Test Equipment And Ancillaries Used For Testing

| Equipment Type       | Manufacturer    | Model            | Serial #   | Calibration Cycle | Last Calibration Date |
|----------------------|-----------------|------------------|------------|-------------------|-----------------------|
| PASSIVE LOOP ANTENNA | ETS LINDGREN    | 6512             | 00049838   | 3 Years           | 09/18/2025            |
| BILOG ANTENNA        | ETS.LINDGREN    | 3142E            | 00166067   | 3 Years           | 08/01/2024            |
| HORN ANTENNA         | EMCO            | 3115             | 00035114   | 3 Years           | 09/17/2025            |
| HORN ANTENNA         | ETS.LINDGREN    | 3117             | 00215984   | 3 Years           | 09/22/2025            |
| HORN ANTENNA         | ETS LINDGREN    | 3116C-PA         | 00166821   | 3 Years           | 09/04/2025            |
| TEST RECEIVER        | R&S             | ESW44            | 103143     | 2 Years           | 09/12/2024            |
| Signal Analyzer      | R&S             | FSV40            | 101022     | 3 Years           | 09/30/2025            |
| DIGITAL THERMOMETER  | CONTROL COMPANY | 4410,90080-03    | 230713059  | 3 Years           | 10/18/2023            |
| Multimeter           | Fluke           | 115              | 56090717MV | 3 Years           | 09/25/2025            |
| Software             | EMC32           | Version 11.40.00 | -          | -                 | -                     |

**Note:** Equipment used meets the measurement uncertainty requirements as required per applicable standards for 95% confidence levels.

Calibration due dates, unless defined specifically, falls on the last day of the month. Items indicated "N/A" for cal status either do not specifically require calibration or is internally characterized before use.

## 11 History

| Date       | Report Name                   | Changes to report | Prepared by      |
|------------|-------------------------------|-------------------|------------------|
| 2025-12-01 | EMC_RIVIA_101_25001_KDB996369 | Initial Version   | Guangcheng Huang |
|            |                               |                   |                  |

<<<The End>>>