

# CERTIFICATION TEST REPORT

**Report Number.** : 4790748041-E1V2

**Applicant** : SAMSUNG ELECTRONICS CO., LTD.  
129 SAMSUNG-RO, YEONGTONG-GU, SUWON-SI,  
GYEONGGI-DO, 16677, KOREA

**Model** : SM-F946U, SM-F946U1

**FCC ID** : A3LSMF946U

**EUT Description** : GSM/WCDMA/LTE 5G NR Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax,  
NFC, WPT and UWB

**Test Standard(s)** : FCC 47 CFR PART 15 SUBPART B

**Date Of Issue:**  
2023-05-22

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Revision History

| <u>Rev.</u> | <u>Issue Date</u> | <u>Revisions</u>                  | <u>Revised By</u> |
|-------------|-------------------|-----------------------------------|-------------------|
| V1          | 2023-05-12        | Initial issue                     | Yeonhee Lim       |
| V2          | 2023-05-22        | Updated to address TCB's question | Yeonhee Lim       |

## TABLE OF CONTENTS

|  |           |
|--|-----------|
| <b>1. ATTESTATION OF TEST RESULTS .....</b>        | <b>4</b>  |
| <b>2. TEST METHODOLOGY .....</b>                   | <b>5</b>  |
| <b>3. FACILITIES AND ACCREDITATION .....</b>       | <b>5</b>  |
| <b>4. CALIBRATION AND UNCERTAINTY .....</b>        | <b>6</b>  |
| 4.1. MEASURING INSTRUMENT CALIBRATION.....         | 6         |
| 4.2. SAMPLE CALCULATION.....                       | 6         |
| 4.3. MEASUREMENT UNCERTAINTY .....                 | 6         |
| 4.4. DECISION RULE .....                           | 6         |
| <b>5. EQUIPMENT UNDER TEST .....</b>               | <b>7</b>  |
| 5.1. DESCRIPTION OF EUT.....                       | 7         |
| 5.2. TEST MODE.....                                | 7         |
| 5.3. WORST-CASE ORIENTATION AND MODE.....          | 8         |
| 5.4. DESCRIPTION OF TEST SETUP.....                | 9         |
| <b>6. TEST AND MEASUREMENT EQUIPMENT .....</b>     | <b>10</b> |
| <b>7. APPLICABLE LIMITS AND TEST RESULTS .....</b> | <b>11</b> |
| 7.1. RADIATED EMISSIONS .....                      | 11        |
| 7.1.1. Above 1 GHz in the GSM850.....              | 12        |
| 7.1.2. Above 1 GHz in the WCDMA Band 5.....        | 15        |
| 7.1.3. Above 1 GHz in the LTE Band 71 .....        | 16        |
| 7.1.4. Above 1 GHz in the LTE Band 5 .....         | 19        |
| 7.1.5. Above 1 GHz in the LTE Band 12 .....        | 22        |
| 7.1.6. Above 1 GHz in the LTE Band 13 .....        | 25        |
| 7.1.7. Above 1 GHz in the LTE Band 14 .....        | 26        |
| 7.1.8. Above 1 GHz in the LTE Band 26 .....        | 29        |
| 7.1.9. Above 1 GHz in the 5G NR n71 .....          | 32        |
| 7.1.10. Above 1 GHz in the 5G NR n5.....           | 35        |
| 7.1.11. Above 1 GHz in the 5G NR n12.....          | 38        |
| 7.1.12. Above 1 GHz in the 5G NR n26.....          | 41        |
| 7.1.13. Below 1 GHz in the GSM850 .....            | 44        |
| 7.1.14. Below 1 GHz in the WCDMA Band 5 .....      | 47        |
| 7.1.15. Below 1 GHz in the LTE Band 71 .....       | 48        |
| 7.1.16. Below 1 GHz in the LTE Band 5 .....        | 51        |
| 7.1.17. Below 1 GHz in the LTE Band 12 .....       | 54        |
| 7.1.18. Below 1 GHz in the LTE Band 13 .....       | 57        |
| 7.1.19. Below 1 GHz in the LTE Band 14 .....       | 58        |
| 7.1.20. Below 1 GHz in the LTE Band 26 .....       | 61        |
| 7.1.21. Below 1 GHz in the 5G NR n71 .....         | 64        |
| 7.1.22. Below 1 GHz in the 5G NR n5 .....          | 67        |
| 7.1.23. Below 1 GHz in the 5G NR n12 .....         | 70        |
| 7.1.24. Below 1 GHz in the 5G NR n26 .....         | 73        |
| 7.2. CONDUCTED EMISSIONS.....                      | 76        |
| 7.2.1 CONDUCTED EMISSIONS .....                    | 77        |

# 1. ATTESTATION OF TEST RESULTS

**COMPANY NAME:** SAMSUNG ELECTRONICS CO., LTD.  
**EUT DESCRIPTION:** GSM/WCDMA/LTE 5G NR Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax, NFC, WPT and UWB.  
**MODEL NUMBER:** SM-F946U, SM-F946U1  
**SERIAL NUMBER:** R3CW20P0BMZ, R3CW20P0AZT (RADIATED)  
**DATE TESTED:** 2023-04-06 ~ 2023-04-12;

| APPLICABLE STANDARDS |              |
|----------------------|--------------|
| STANDARD             | TEST RESULTS |
| FCC PART 15B         | Complies     |

UL KOREA LTD. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by UL KOREA LTD. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

**Note:** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL KOREA LTD. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL KOREA LTD. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by IAS, any agency of the Federal Government, or any agency of any government.

Approved & Released For  
UL KOREA LTD. By:



Seokhwan Hong  
Suwon Lab Engineer  
UL KOREA LTD.

Tested By:



Dexter(Hyunsik) Yun  
Suwon Lab Engineer  
UL KOREA LTD.

## 2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with following methods.

1. FCC 47 CFR Part 2.
2. FCC 47 CFR Part 15.
3. ANSI C63.4-2014

## 3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea. Line conducted emissions are measured only at the 218 address. The following table identifies which facilities were utilized for radiated emission measurements documented in this report. Specific facilities are also identified in the test results sections.

| 218 Maeyeong-ro                     |                                     |
|-------------------------------------|-------------------------------------|
| <input type="checkbox"/>            | Chamber 1(3m semi-anechoic chamber) |
| <input type="checkbox"/>            | Chamber 2(3m semi-anechoic chamber) |
| <input checked="" type="checkbox"/> | Chamber 3(3m semi-anechoic chamber) |
| <input type="checkbox"/>            | Chamber 4(3m Full-anechoic chamber) |
| <input type="checkbox"/>            | Chamber 5(3m Full-anechoic chamber) |

UL KOREA LTD. is accredited by IAS, Laboratory Code TL-637. The full scope of accreditation can be viewed at <https://www.iasonline.org/wp-content/uploads/2017/05/TL-637-cert-New.pdf>.

## 4. CALIBRATION AND UNCERTAINTY

### 4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

### 4.2. SAMPLE CALCULATION

Where relevant, the following sample calculation is provided:

$$\begin{aligned} \text{Field Strength (dBuV/m)} &= \text{Measured Voltage (dBuV)} + \text{Antenna Factor (dB/m)} + \\ &\text{Cable Loss (dB)} - \text{Preamp Gain (dB)} \\ 28.9 \text{ dBuV/m} &= 36.5 \text{ dBuV} + 18.7 \text{ dB/m} + 0.6 \text{ dB} - 26.9 \text{ dB} \end{aligned}$$

$$\begin{aligned} \text{Corrected Reading (dBuV)} &= \text{Meter Reading (dBuV)} + \text{External Cable (dB)} + \\ &\text{Cableloss (dB)} \\ 46.62 \text{ dBuV} + 9.8 \text{ dB} + 0.1 \text{ dB} &= 56.52 \text{ dBuV} \end{aligned}$$

### 4.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

| PARAMETER                             | UNCERTAINTY |
|---------------------------------------|-------------|
| Conducted Disturbance, 0.15 to 30 MHz | 2.80 dB     |
| Radiated Disturbance, 30 MHz to 1 GHz | 3.92 dB     |
| Radiated Disturbance, 1 GHz to 18 GHz | 5.06 dB     |

Uncertainty figures are valid to a confidence level of 95%.

### 4.4. DECISION RULE

Decision rule for statement(s) of conformity is based on Procedure 2, Clause 4.4.3 in IEC Guide 115:2021.

## 5. EQUIPMENT UNDER TEST

### 5.1. DESCRIPTION OF EUT

The EUT is a GSM/WCDMA/LTE 5G NR Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax, NFC, WPT and UWB.

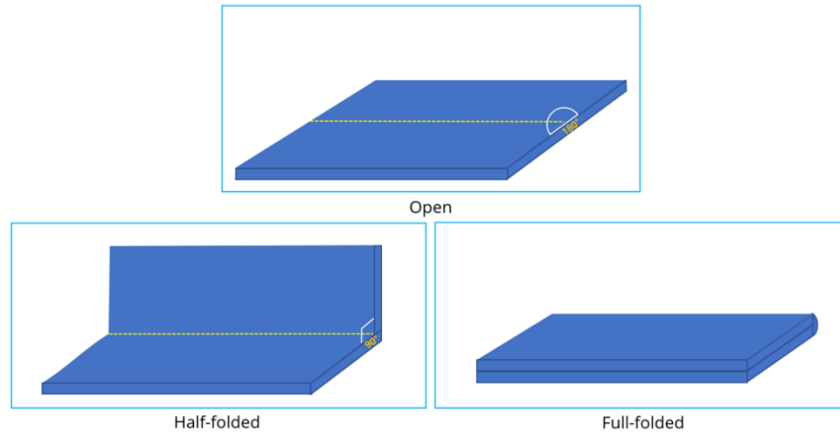
| Representative model | Difference | Derivative model |
|----------------------|------------|------------------|
|                      |            | SM-F946U1        |
| SM-F946U             | Hardware   | Same as SM-F946U |
|                      | Software   | Different UI     |

### 5.2. TEST MODE

| Mode         | Description                               |
|--------------|---|
| GSM850       | Communicating with Call simulator(CMW500) |
| WCDMA BAND 5 |   |
| LTE BAND 71  |   |
| LTE BAND 5   |   |
| LTE BAND 12  |   |
| LTE BAND 13  |   |
| LTE BAND 14  |   |
| LTE BAND 26  |   |
| 5G NR n71    | Communicating with Call simulator(E7515B) |
| 5G NR n5     |   |
| 5G NR n12    |   |
| 5G NR n26    |   |

### 5.3. WORST-CASE ORIENTATION AND MODE

The fundamental and radiated spurious emission were investigated in three orthogonal orientations X,Y and Z, it was determined that below orientation was worst-case orientation for each band.



i. Worst Axis Condition

| Band      | Worst Case |   |   |
|-----------|------------|---|---|
|           | X          | Y | Z |
| GSM 850   | Open       | - | - |
| WCDMA B5  | Open       | - | - |
| LTE B71   | Open       | - | - |
| LTE B5    | Open       | - | - |
| LTE B12   | Open       | - | - |
| LTE B13   | Open       | - | - |
| LTE B14   | Open       | - | - |
| LTE B26   | Open       | - | - |
| 5G NR n71 | Open       | - | - |
| 5G NR n5  | Open       | - | - |
| 5G NR n12 | Open       | - | - |
| 5G NR n26 | Open       | - | - |

**WCDMA Band5**

WCDMA Band 5(Rx Frequency range: 871.4-891.6 MHz) is covered by GSM 850(Rx Frequency range: 869-894 MHz) due to same frequency range and maximum tune-up limit is higher than WCDMA Band5. Therefore, only Mid channel was checked.



## 5.4. DESCRIPTION OF TEST SETUP

### SUPPORT EQUIPMENT

| Support Equipment List |             |          |                |        |
|------------------------|-------------|----------|----------------|--------|
| Description            | Manufacture | Model    | Serial Number  | FCC ID |
| Charger                | SAMSUNG     | EP-TA800 | R37N9QP4SL9DK3 | N/A    |
| Data Cable             | SAMSUNG     | WBR0062M | GH39-02112A    | N/A    |

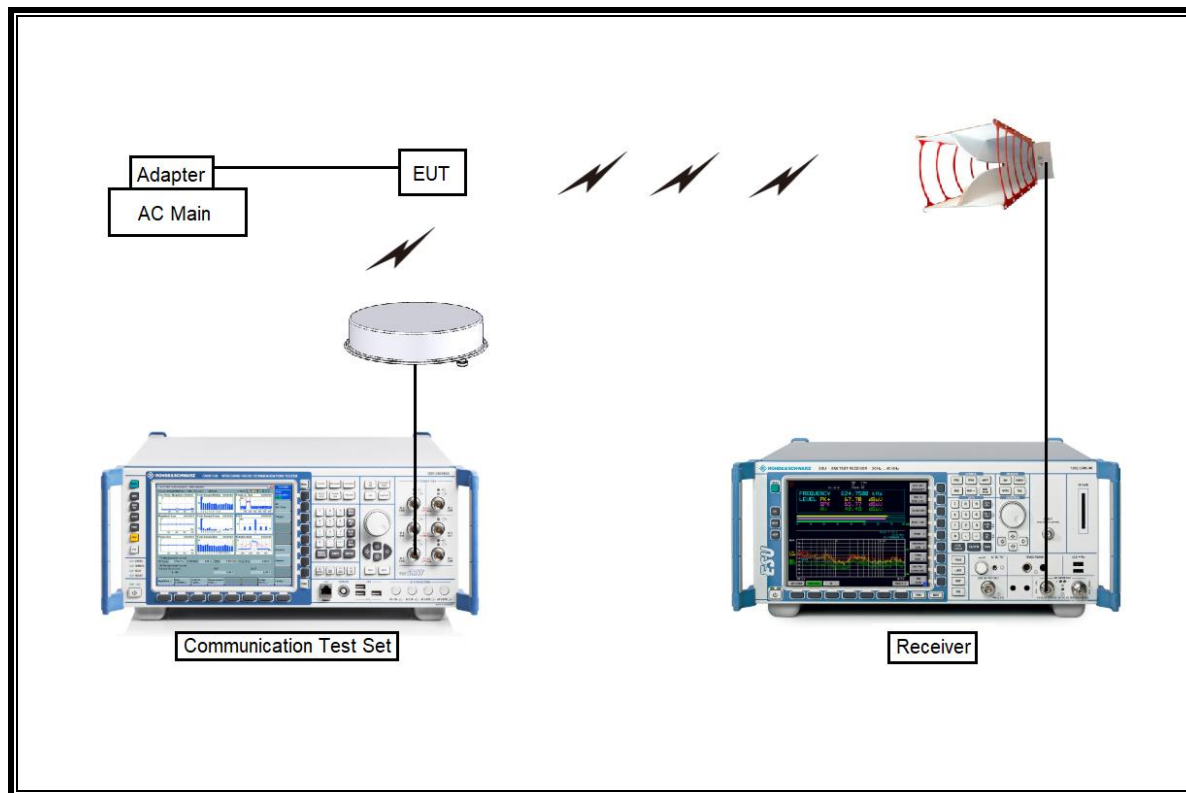
### I/O CABLE

| I/O Cable List |          |                      |                |            |                  |         |
|----------------|----------|----------------------|----------------|------------|------------------|---------|
| Cable No.      | Port     | # of identical ports | Connector Type | Cable Type | Cable Length (m) | Remarks |
| 1              | DC Power | 1                    | C Type         | Shielded   | 1.0 m            | N/A     |

### TEST SETUP

The EUT is continuously communicated with the call box during the tests. Also attached with travel adapter for the worst case condition.

### SETUP DIAGRAM FOR TESTS (RADIATED TEST SETUP)



## 6. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

| Test Equipment List                   |               |                        |             |            |
|---------------------------------------|---------------|------------------------|-------------|------------|
| Description                           | Manufacturer  | Model                  | S/N         | Cal Due    |
| Antenna, Tuned Dipole<br>400~1000 MHz | ETS           | 3121D DB4              | 00164753    | 2025-01-17 |
| Antenna, Horn, 40 GHz                 | ETS           | 3116C                  | 00166155    | 2024-08-02 |
| Antenna, Horn, 40 GHz                 | ETS           | 3116C                  | 00168645    | 2023-10-13 |
| Preamplifier                          | ETS           | 3115-PA                | 00167475    | 2023-08-04 |
| Preamplifier                          | ETS           | 3116C-PA               | 00168841    | 2023-08-04 |
| Antenna, Bilog, 30MHz-1GHz            | SCHWARZBECK   | VULB9163               | 750         | 2024-08-15 |
| Antenna, Bilog, 30MHz-1GHz            | SCHWARZBECK   | VULB9163               | 845         | 2024-08-15 |
| Antenna, Bilog, 30MHz-1GHz            | SCHWARZBECK   | VULB9163               | 749         | 2024-08-15 |
| Communications Test Set               | R&S           | CMW500                 | 169796      | 2024-01-05 |
| UXM 5G Wireless Test Platform         | KEYSIGHT      | E7515B                 | MY58010202  | 2024-01-27 |
| Preamplifier, 1000 MHz                | Sonoma        | 310N                   | 341282      | 2023-08-02 |
| Preamplifier, 1000 MHz                | Sonoma        | 310N                   | 351741      | 2023-08-02 |
| Preamplifier, 18 GHz                  | Miteq         | AFS42-00101800-25-S-42 | 2029169     | 2023-08-01 |
| Preamplifier, 18 GHz                  | Miteq         | AFS42-00101800-25-S-42 | 1896138     | 2023-08-01 |
| EMI Test Receive, 40 GHz              | R&S           | ESU40                  | 100439      | 2023-08-02 |
| EMI Test Receive, 40 GHz              | R&S           | ESU40                  | 100457      | 2023-07-29 |
| Directional Antenna                   | Cobham        | FPA3-0.8-6.0R/1329     | 80108-0004  | N/A        |
| Directional Antenna                   | Cobham        | FPA3-0.8-6.0R/1329     | 110367-0003 | N/A        |
| High Pass Filter 1.2GHz               | Micro-Tronics | HPM50108-02            | G005        | 2023-08-01 |
| High Pass Filter 1.2GHz               | Micro-Tronics | HPM50108-02            | G006        | 2023-08-01 |
| High Pass Filter 2.8GHz               | Micro-Tronics | HPM50111-02            | 010         | 2023-08-01 |
| High Pass Filter 2.8GHz               | Micro-Tronics | HPM50111-02            | 011         | 2023-08-01 |
| High Pass Filter 4GHz                 | Micro-Tronics | HPM50118-02            | G001        | 2023-08-01 |
| High Pass Filter 4GHz                 | Micro-Tronics | HPM50118-02            | G002        | 2023-08-01 |
| Attenuator                            | PASTERNAK     | PE7087-10              | A009        | 2023-08-03 |
| Attenuator                            | PASTERNAK     | PE7087-10              | A001        | 2023-08-03 |
| Attenuator                            | PASTERNAK     | PE7087-10              | A008        | 2023-08-03 |
| Attenuator                            | PASTERNAK     | PE7004-10              | 2           | 2023-08-01 |
| Attenuator                            | PASTERNAK     | PE7395-10              | A011        | 2023-08-03 |
| EMI Test Receive, 3 GHz               | R&S           | ESR3                   | 101832      | 2023-08-01 |
| LISN                                  | R&S           | ENV-216                | 101836      | 2023-08-04 |
| LISN                                  | R&S           | ENV-216                | 101837      | 2023-08-04 |
| UL Software                           |               |                        |             |            |
| Description                           | Manufacturer  | Model                  | Version     |            |
| Radiated software                     | UL            | UL EMC                 | Ver 9.5     |            |
| AC Line Conducted software            | UL            | UL EMC                 | Ver 9.5     |            |

## 7. APPLICABLE LIMITS AND TEST RESULTS

### 7.1. RADIATED EMISSIONS

#### TEST PROCEDURE

ANSI C63.4-2014

#### LIMIT

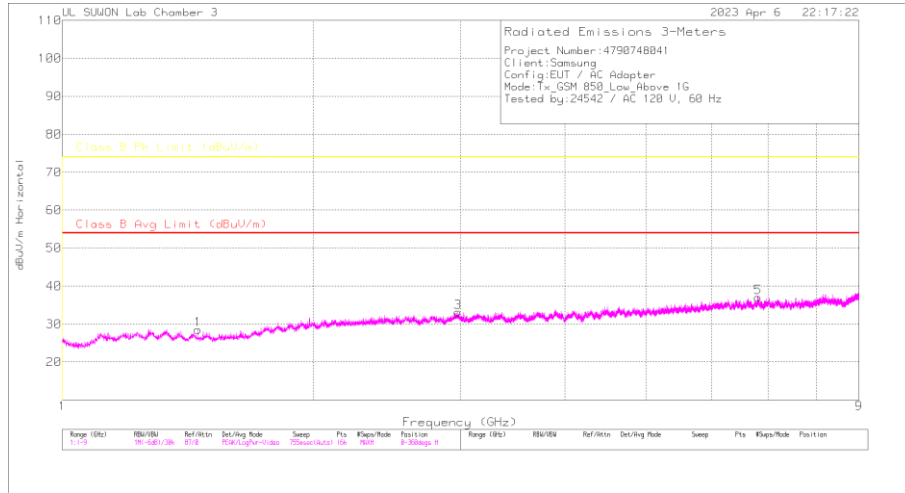
§15.109 (a) Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

| Limits for radiated disturbance of Class B ITE at measuring distance of 3 m |                                  |
|---|----------------------------------|
| Frequency range (MHz)   | Quasi-peak limits (dB $\mu$ V/m) |
| 30 to 88  | 40                               |
| 88 to 216   | 43.5                             |
| 216 to 960  | 46                               |
| Above 960 MHz   | 54                               |
| Note: The lower limit shall apply at the transition frequency.              |                                  |

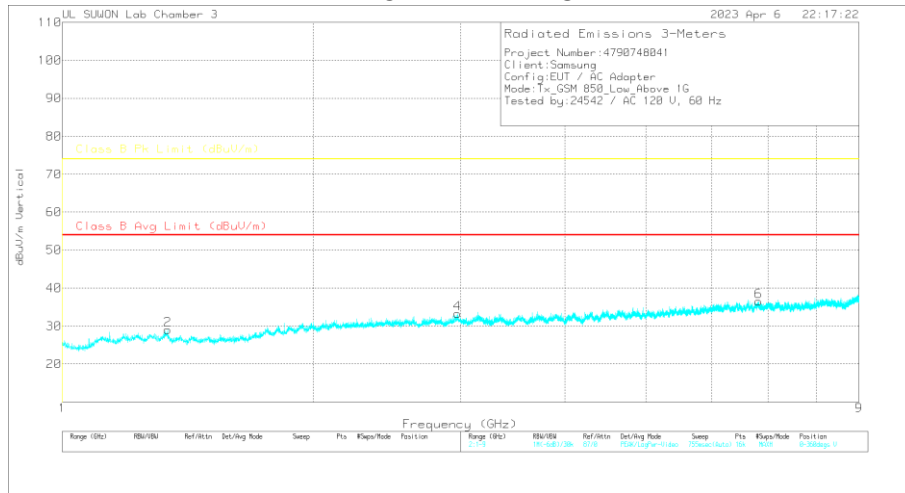
### 7.1.1. Above 1 GHz in the GSM850

#### LOW CHANNEL(869.2 MHz)

#### HORIZONTAL PEAK PLOT



#### VERTICAL PEAK PLOT



#### DATA

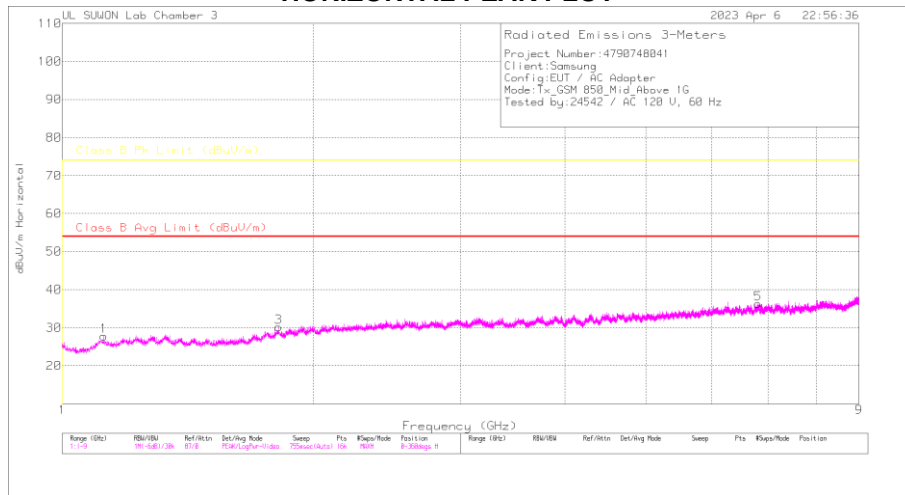
#### Radiated Emissions

| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00218957 | 1-18GHz(dB) | 1GHz_HP[dB] | Corrected Reading dBuV/m | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|-------------|--------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 1.4545          | 42.06                | Pk  | 28            | -35.9       | .7          | 34.86                    | -                          | -           | 74                        | -39.14      | 0              | 100         | H        |
| 1.4545          | 29.72                | Ca  | 28            | -35.9       | .7          | 22.52                    | 54                         | -31.48      | -                         | -           | 0              | 100         | H        |
| 1.338           | 43.72                | Pk  | 28.6          | -36         | .7          | 37.02                    | -                          | -           | 74                        | -36.98      | 0              | 100         | V        |
| 1.338           | 30.62                | Ca  | 28.6          | -36         | .7          | 23.92                    | 54                         | -30.08      | -                         | -           | 0              | 100         | V        |
| 2.9765          | 41.81                | Pk  | 32.8          | -34         | .7          | 41.31                    | -                          | -           | 74                        | -32.69      | 0              | 100         | H        |
| 2.9765          | 28.94                | Ca  | 32.8          | -34         | .7          | 28.44                    | 54                         | -25.56      | -                         | -           | 0              | 100         | H        |
| 2.9745          | 41.31                | Pk  | 32.7          | -34.1       | .7          | 40.61                    | -                          | -           | 74                        | -33.39      | 0              | 100         | V        |
| 2.9745          | 28.94                | Ca  | 32.7          | -34.1       | .7          | 28.24                    | 54                         | -25.76      | -                         | -           | 0              | 100         | V        |
| 6.8165          | 35.11                | Pk  | 36            | -27.3       | .5          | 44.31                    | -                          | -           | 74                        | -29.69      | 0              | 100         | H        |
| 6.8165          | 22.87                | Ca  | 36            | -27.3       | .5          | 32.07                    | 54                         | -21.93      | -                         | -           | 0              | 100         | H        |
| 6.82            | 35.38                | Pk  | 36            | -27.3       | .5          | 44.58                    | -                          | -           | 74                        | -29.42      | 0              | 100         | V        |
| 6.82            | 22.81                | Ca  | 36            | -27.3       | .5          | 32.01                    | 54                         | -21.99      | -                         | -           | 0              | 100         | V        |

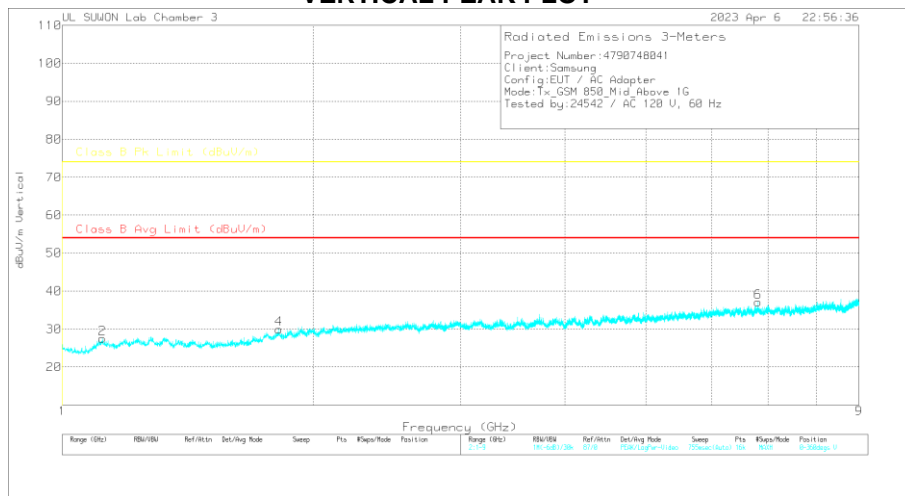
Pk - Peak detector  
 Ca - CISPR average detection

**MID CHANNEL(881.6 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

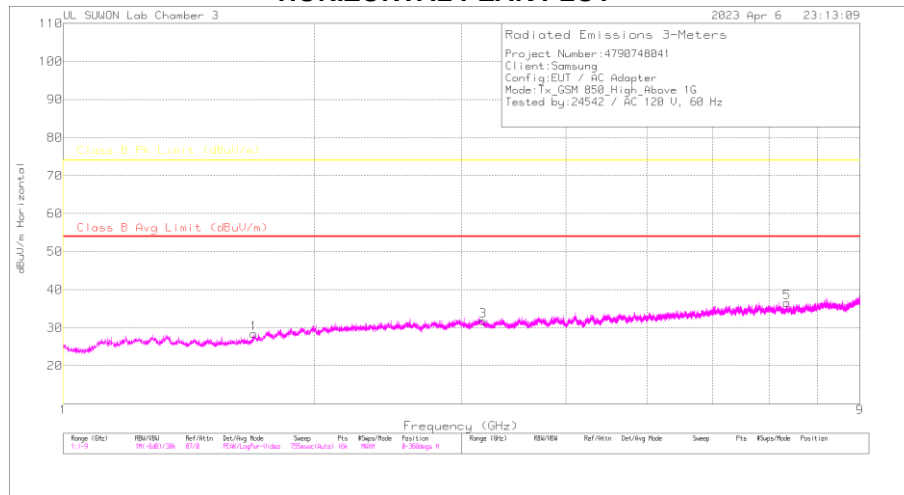
**Radiated Emissions**

| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00218957 | 1-18GHz(dB) | 1GHz_HP[dB] | Corrected Reading dBuV/m | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|-------------|--------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 1.1215          | 43.13                | Pk  | 27.6          | -36.4       | 1           | 35.33                    | -                          | -           | 74                        | -38.67      | 0              | 100         | H        |
| 1.1215          | 30.65                | Ca  | 27.6          | -36.4       | 1           | 22.85                    | 54                         | -31.15      | -                         | -           | 0              | 100         | H        |
| 1.1175          | 42.79                | Pk  | 27.6          | -36.4       | 1           | 34.99                    | -                          | -           | 74                        | -39.01      | 0              | 100         | V        |
| 1.1175          | 30.79                | Ca  | 27.6          | -36.4       | 1           | 22.99                    | 54                         | -31.01      | -                         | -           | 0              | 100         | V        |
| 1.8155          | 43.27                | Pk  | 30.2          | -35.5       | 7           | 38.67                    | -                          | -           | 74                        | -35.33      | 0              | 100         | H        |
| 1.8155          | 29.76                | Ca  | 30.2          | -35.5       | 7           | 25.16                    | 54                         | -28.84      | -                         | -           | 0              | 100         | H        |
| 1.818           | 42.95                | Pk  | 30.2          | -35.4       | 7           | 38.45                    | -                          | -           | 74                        | -35.55      | 0              | 100         | V        |
| 1.818           | 29.66                | Ca  | 30.2          | -35.4       | 7           | 25.16                    | 54                         | -28.84      | -                         | -           | 0              | 100         | V        |
| 6.8185          | 34.59                | Pk  | 36            | -27.3       | .5          | 43.79                    | -                          | -           | 74                        | -30.21      | 0              | 100         | H        |
| 6.8185          | 22.59                | Ca  | 36            | -27.3       | .5          | 31.79                    | 54                         | -22.21      | -                         | -           | 0              | 100         | H        |
| 6.8165          | 35.22                | Pk  | 36            | -27.3       | .5          | 44.42                    | -                          | -           | 74                        | -29.58      | 0              | 100         | V        |
| 6.8165          | 22.62                | Ca  | 36            | -27.3       | .5          | 31.82                    | 54                         | -22.18      | -                         | -           | 0              | 100         | V        |

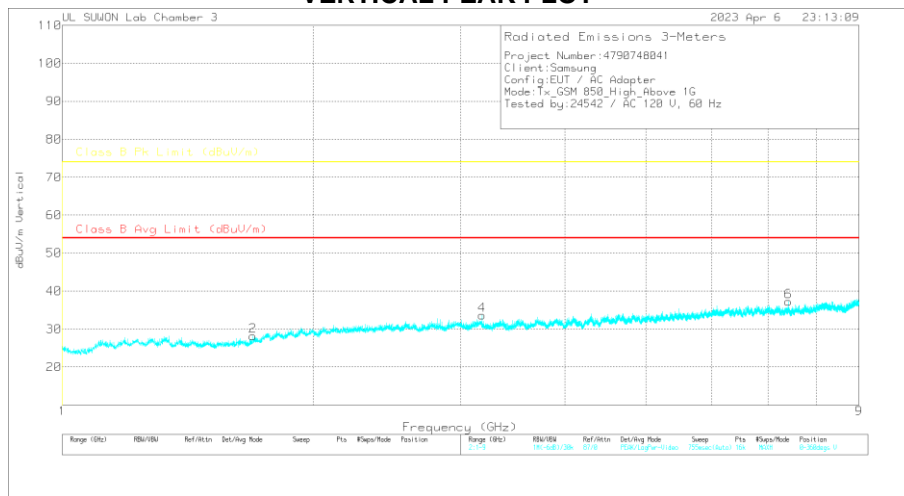
Pk - Peak detector  
 Ca - CISPR average detection

**HIGH CHANNEL(893.8 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

**Radiated Emissions**

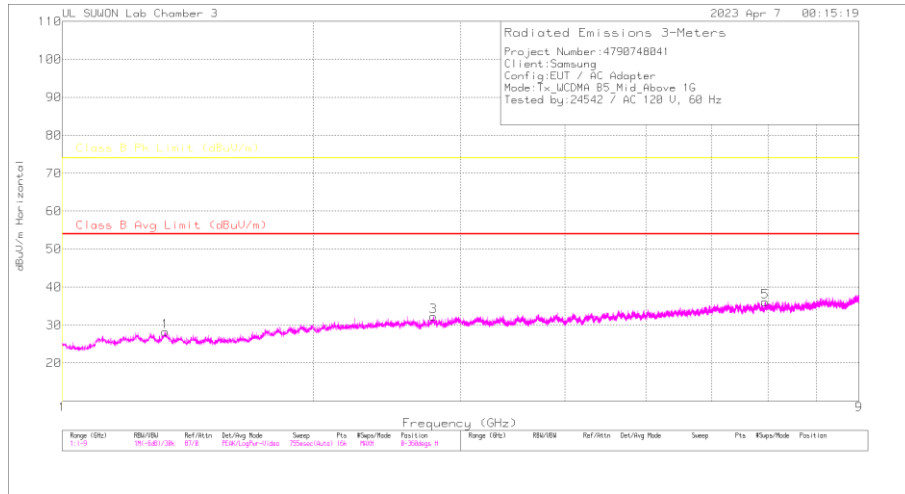
| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00218957 | 1-18GHz(dB) | 1GHz_HP[dB] | Corrected Reading dBuV/m | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|-------------|--------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 1.693           | 42.72                | Pk  | 28.9          | -35.5       | .7          | 36.82                    | -                          | -           | 74                        | -37.18      | 0              | 100         | H        |
| 1.693           | 29.45                | Ca  | 28.9          | -35.5       | .7          | 23.55                    | 54                         | -30.45      | -                         | -           | 0              | 100         | H        |
| 1.6925          | 31.95                | Pk  | 28.9          | -35.5       | .7          | 26.05                    | -                          | -           | 74                        | -47.95      | 0              | 100         | V        |
| 1.6925          | 20.52                | Ca  | 28.9          | -35.5       | .7          | 14.62                    | 54                         | -39.38      | -                         | -           | 0              | 100         | V        |
| 3.1825          | 41.61                | Pk  | 32.9          | -34         | .7          | 41.21                    | -                          | -           | 74                        | -32.79      | 0              | 100         | H        |
| 3.1825          | 28.11                | Ca  | 32.9          | -34         | .7          | 27.71                    | 54                         | -26.29      | -                         | -           | 0              | 100         | H        |
| 3.182           | 30.86                | Pk  | 32.9          | -34         | .7          | 30.46                    | -                          | -           | 74                        | -43.54      | 0              | 100         | V        |
| 3.182           | 19.18                | Ca  | 32.9          | -34         | .7          | 18.78                    | 54                         | -35.22      | -                         | -           | 0              | 100         | V        |
| 7.359           | 33.91                | Pk  | 35.8          | -26.4       | .5          | 43.51                    | -                          | -           | 74                        | -30.19      | 0              | 100         | H        |
| 7.359           | 21.66                | Ca  | 35.8          | -26.4       | .5          | 31.56                    | 54                         | -22.44      | -                         | -           | 0              | 100         | H        |
| 7.411           | 23.72                | Pk  | 35.7          | -26         | .6          | 34.02                    | -                          | -           | 74                        | -39.98      | 0              | 100         | V        |
| 7.411           | 12.48                | Ca  | 35.7          | -26         | .6          | 22.78                    | 54                         | -31.22      | -                         | -           | 0              | 100         | V        |

Pk - Peak detector  
 Ca - CISPR average detection

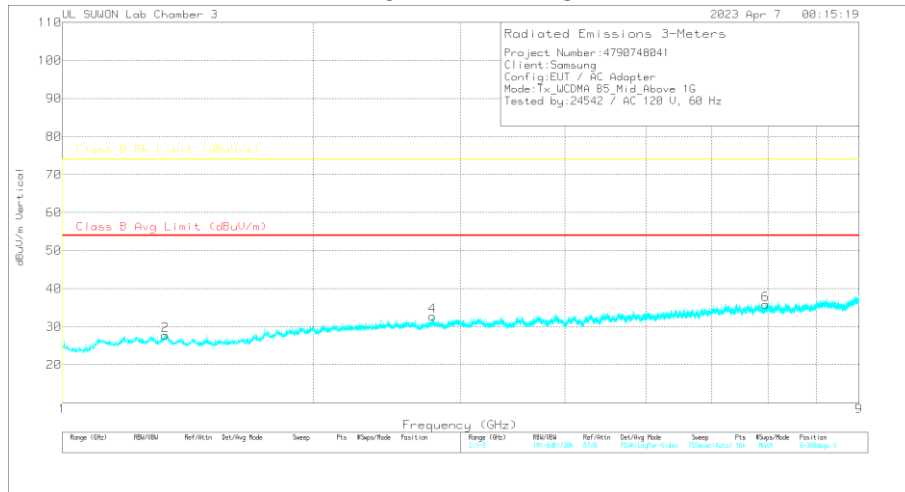
### 7.1.2. Above 1 GHz in the WCDMA Band 5

#### MID CHANNEL(881.6 MHz)

#### HORIZONTAL PEAK PLOT



#### VERTICAL PEAK PLOT



#### DATA

#### Radiated Emissions

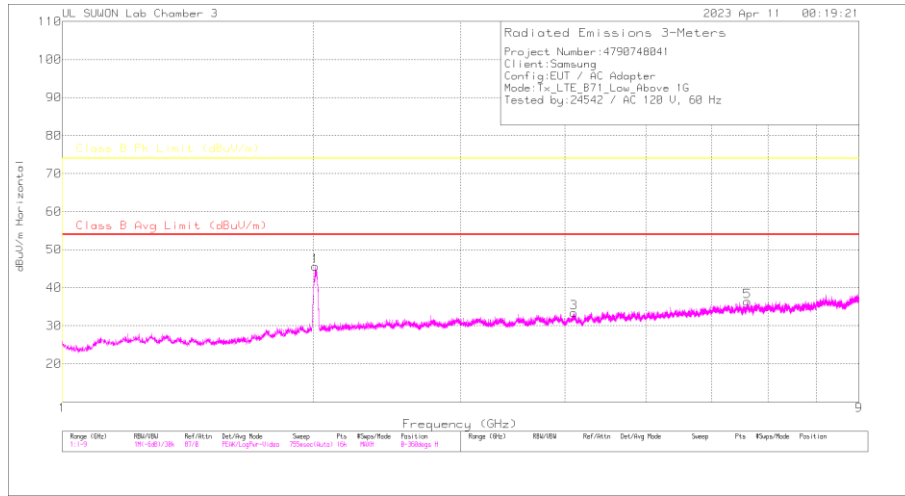
| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00218957 | 1-18GHz(dB) | 1GHz_HP[dB] | Corrected Reading dBuV/m | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|-------------|--------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 1.3285          | 32.95                | Pk  | 28.6          | -36         | .7          | 26.25                    | -                          | -           | 74                        | -47.75      | 0              | 100         | H        |
| 1.3285          | 21.48                | Ca  | 28.6          | -36         | .7          | 14.78                    | 54                         | -39.22      | -                         | -           | 0              | 100         | H        |
| 1.3285          | 42.86                | Pk  | 28.6          | -36         | .7          | 36.16                    | -                          | -           | 74                        | -37.84      | 0              | 100         | V        |
| 1.3285          | 30.39                | Ca  | 28.6          | -36         | .7          | 23.69                    | 54                         | -30.31      | -                         | -           | 0              | 100         | V        |
| 2.7815          | 41.14                | Pk  | 32.4          | -34.4       | .7          | 39.84                    | -                          | -           | 74                        | -34.16      | 0              | 100         | H        |
| 2.7815          | 28.67                | Ca  | 32.4          | -34.4       | .7          | 27.37                    | 54                         | -26.63      | -                         | -           | 0              | 100         | H        |
| 2.775           | 42.8                 | Pk  | 32.4          | -34.3       | .7          | 41.6                     | -                          | -           | 74                        | -32.4       | 0              | 100         | V        |
| 2.775           | 28.72                | Ca  | 32.4          | -34.3       | .7          | 27.52                    | 54                         | -26.48      | -                         | -           | 0              | 100         | V        |
| 6.9495          | 34.49                | Pk  | 36            | -27.2       | .5          | 43.79                    | -                          | -           | 74                        | -30.21      | 0              | 100         | H        |
| 6.9495          | 21.93                | Ca  | 36            | -27.2       | .5          | 31.23                    | 54                         | -22.77      | -                         | -           | 0              | 100         | H        |
| 6.9555          | 34.16                | Pk  | 36            | -27.2       | .5          | 43.46                    | -                          | -           | 74                        | -30.54      | 0              | 100         | V        |
| 6.9555          | 21.97                | Ca  | 36            | -27.2       | .5          | 31.27                    | 54                         | -22.73      | -                         | -           | 0              | 100         | V        |

Pk - Peak detector  
 Ca - CISPR average detection

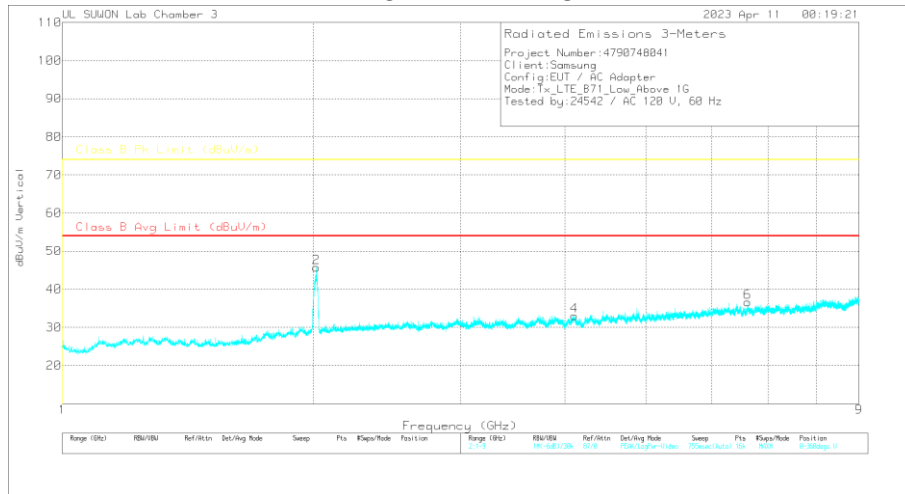
### 7.1.3. Above 1 GHz in the LTE Band 71

#### LOW CHANNEL(662 MHz)

#### HORIZONTAL PEAK PLOT



#### VERTICAL PEAK PLOT



#### DATA

#### Radiated Emissions

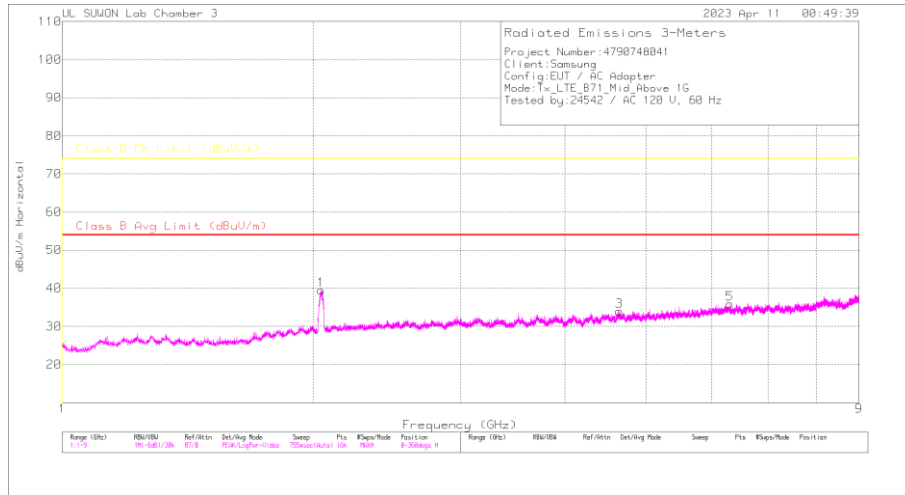
| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00218957 | 1-18GHz(dB) | 1GHz_HP[dB] | Corrected Reading dBuV/m | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|-------------|--------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 2.011           | 51.67                | Pk  | 31.1          | -35.2       | .6          | 48.17                    | -                          | -           | 74                        | -25.83      | 246            | 184         | H        |
| 2.011           | 40.41                | Ca  | 31.1          | -35.2       | .6          | 36.91                    | 54                         | -17.09      | -                         | -           | 246            | 184         | H        |
| 2.0165          | 51.02                | Pk  | 31.2          | -35.2       | .6          | 47.62                    | -                          | -           | 74                        | -26.38      | 252            | 160         | V        |
| 2.0165          | 39.19                | Ca  | 31.2          | -35.2       | .6          | 35.79                    | 54                         | -18.21      | -                         | -           | 252            | 160         | V        |
| 4.1025          | 39.57                | Pk  | 33.5          | -32         | .5          | 41.57                    | -                          | -           | 74                        | -32.43      | 0              | 100         | H        |
| 4.1025          | 26.85                | Ca  | 33.5          | -32         | .5          | 28.85                    | 54                         | -25.15      | -                         | -           | 0              | 100         | H        |
| 4.1065          | 40.12                | Pk  | 33.5          | -32         | .5          | 42.12                    | -                          | -           | 74                        | -31.88      | 0              | 100         | V        |
| 4.1065          | 26.78                | Ca  | 33.5          | -32         | .5          | 28.78                    | 54                         | -25.22      | -                         | -           | 0              | 100         | V        |
| 6.6175          | 35.07                | Pk  | 36            | -27.8       | .5          | 43.77                    | -                          | -           | 74                        | -30.23      | 0              | 100         | H        |
| 6.6175          | 22.88                | Ca  | 36            | -27.8       | .5          | 31.58                    | 54                         | -22.42      | -                         | -           | 0              | 100         | H        |
| 6.6255          | 35.7                 | Pk  | 36            | -27.8       | .5          | 44.4                     | -                          | -           | 74                        | -29.6       | 0              | 100         | V        |
| 6.6255          | 22.84                | Ca  | 36            | -27.8       | .5          | 31.54                    | 54                         | -22.46      | -                         | -           | 0              | 100         | V        |

Pk - Peak detector  
 Ca - CISPR average detection

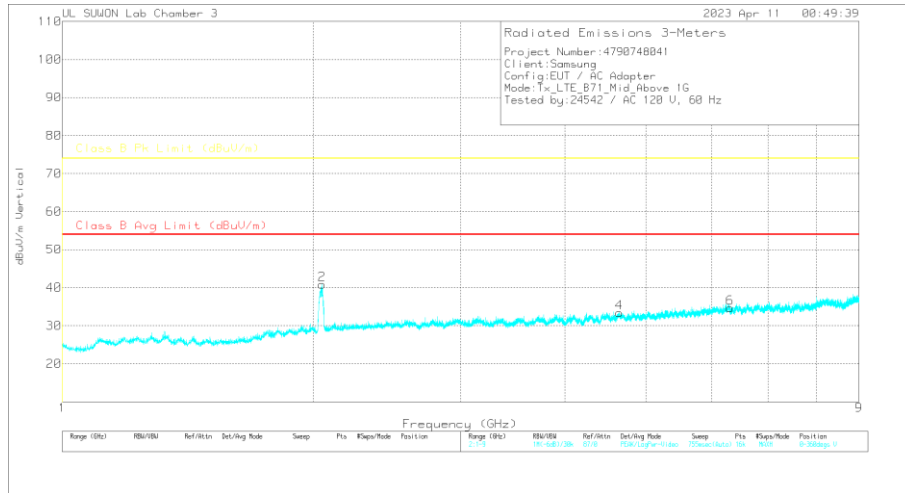


**MID CHANNEL(634.5 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

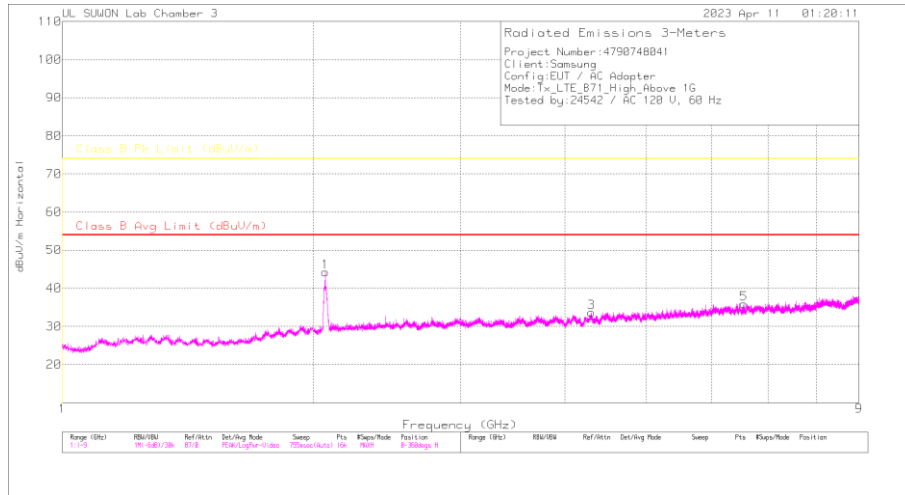
**Radiated Emissions**

| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00218957 | 1-18GHz(dB) | 1GHz_HP[dB] | Corrected Reading (dBuV/m) | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|-------------|----------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 2.041           | 55.63                | Pk  | 31.3          | -35.1       | .6          | 52.43                      | -                          | -           | 74                        | -21.57      | 244            | 126         | H        |
| 2.041           | 44.86                | Ca  | 31.3          | -35.1       | .6          | 41.66                      | 54                         | -12.34      | -                         | -           | 244            | 126         | H        |
| 2.048           | 54.04                | Pk  | 31.3          | -35         | .6          | 50.94                      | -                          | -           | 74                        | -23.06      | 202            | 380         | V        |
| 2.048           | 43.54                | Ca  | 31.3          | -35         | .6          | 40.44                      | 54                         | -13.56      | -                         | -           | 202            | 380         | V        |
| 4.6485          | 38.6                 | Pk  | 34.3          | -31.5       | .5          | 41.9                       | -                          | -           | 74                        | -32.1       | 0              | 100         | H        |
| 4.6485          | 25.97                | Ca  | 34.3          | -31.5       | .5          | 29.27                      | 54                         | -24.73      | -                         | -           | 0              | 100         | H        |
| 4.6495          | 38.74                | Pk  | 34.3          | -31.5       | .5          | 42.04                      | -                          | -           | 74                        | -31.96      | 0              | 100         | V        |
| 4.6495          | 25.95                | Ca  | 34.3          | -31.5       | .5          | 29.25                      | 54                         | -24.75      | -                         | -           | 0              | 100         | V        |
| 6.3015          | 35.87                | Pk  | 36            | -28.9       | .5          | 43.47                      | -                          | -           | 74                        | -30.53      | 0              | 100         | H        |
| 6.3015          | 23.13                | Ca  | 36            | -28.9       | .5          | 30.73                      | 54                         | -23.27      | -                         | -           | 0              | 100         | H        |
| 6.306           | 35.6                 | Pk  | 36            | -28.9       | .5          | 43.2                       | -                          | -           | 74                        | -30.8       | 0              | 100         | V        |
| 6.306           | 22.96                | Ca  | 36            | -28.9       | .5          | 30.56                      | 54                         | -23.44      | -                         | -           | 0              | 100         | V        |

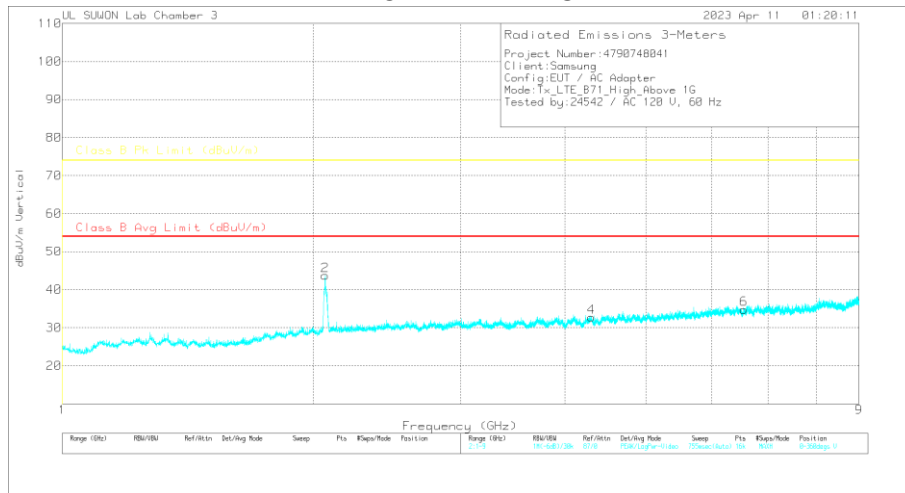
Pk - Peak detector  
 Ca - CISPR average detection

**HIGH CHANNEL(647 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

**Radiated Emissions**

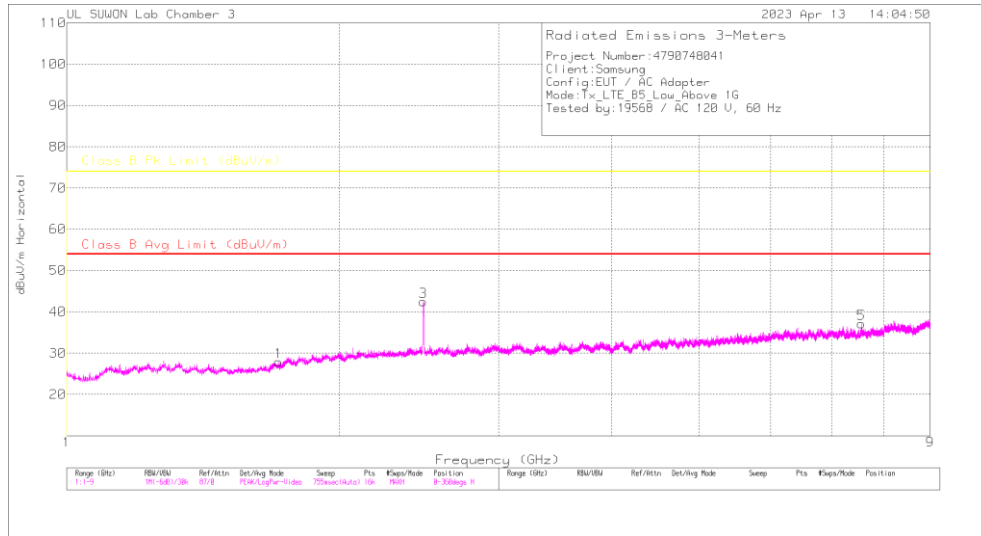
| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00218957 | 1-18GHz(dB) | 1GHz_HP[dB] | Corrected Reading (dBuV/m) | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|-------------|----------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 2.0655          | 55.57                | Pk  | 31.4          | -35         | .6          | 52.57                      | -                          | -           | 74                        | -21.43      | 246            | 172         | H        |
| 2.0655          | 44.83                | Ca  | 31.4          | -35         | .6          | 41.83                      | 54                         | -12.17      | -                         | -           | 246            | 172         | H        |
| 2.065           | 52.92                | Pk  | 31.4          | -35         | .6          | 49.92                      | -                          | -           | 74                        | -24.08      | 202            | 284         | V        |
| 2.065           | 41.6                 | Ca  | 31.4          | -35         | .6          | 38.6                       | 54                         | -15.4       | -                         | -           | 202            | 284         | V        |
| 4.303           | 38.41                | Pk  | 33.7          | -31.7       | .5          | 40.91                      | -                          | -           | 74                        | -33.09      | 0              | 100         | H        |
| 4.303           | 26.42                | Ca  | 33.7          | -31.7       | .5          | 28.92                      | 54                         | -25.08      | -                         | -           | 0              | 100         | H        |
| 4.304           | 38.96                | Pk  | 33.7          | -31.7       | .5          | 41.46                      | -                          | -           | 74                        | -32.54      | 0              | 100         | V        |
| 4.304           | 26.41                | Ca  | 33.7          | -31.7       | .5          | 28.91                      | 54                         | -25.09      | -                         | -           | 0              | 100         | V        |
| 6.5545          | 35.51                | Pk  | 35.9          | -27.9       | .5          | 44.01                      | -                          | -           | 74                        | -29.99      | 0              | 100         | H        |
| 6.5545          | 22.47                | Ca  | 35.9          | -27.9       | .5          | 30.97                      | 54                         | -23.03      | -                         | -           | 0              | 100         | H        |
| 6.557           | 35.66                | Pk  | 35.9          | -27.9       | .5          | 44.16                      | -                          | -           | 74                        | -29.84      | 0              | 100         | V        |
| 6.557           | 22.48                | Ca  | 35.9          | -27.9       | .5          | 30.98                      | 54                         | -23.02      | -                         | -           | 0              | 100         | V        |

Pk - Peak detector  
 Ca - CISPR average detection

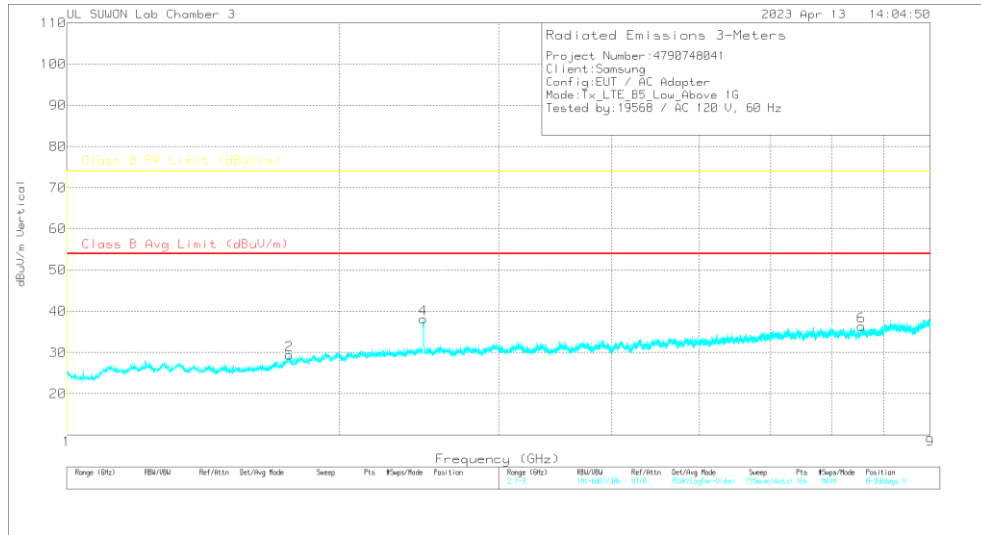
### 7.1.4. Above 1 GHz in the LTE Band 5

#### LOW CHANNEL(874.0 MHz)

#### HORIZONTAL PEAK PLOT



#### VERTICAL PEAK PLOT



#### DATA

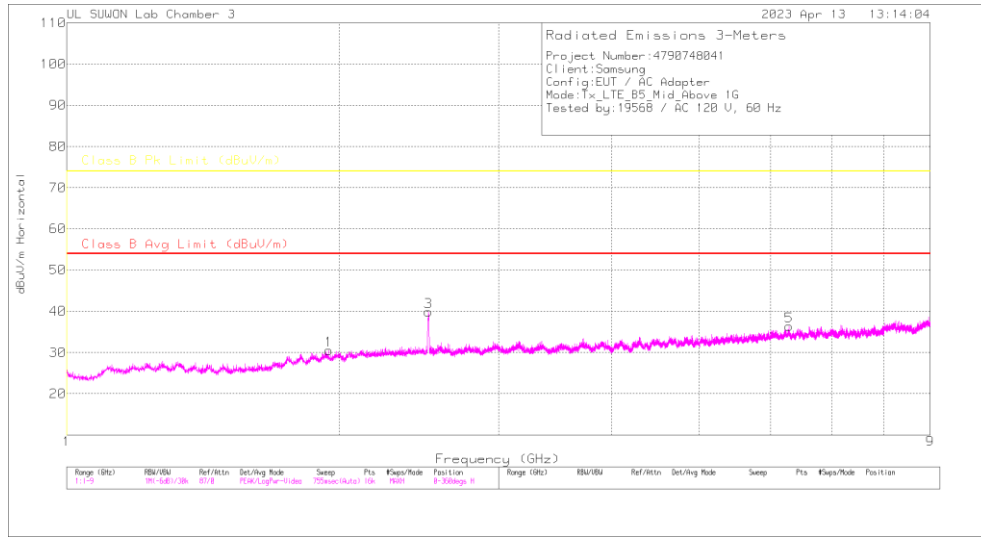
#### Radiated Emissions

| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00218957 | 1-18GHz(dB) | 1GHz_HP[dB] | Corrected Reading dBuV/m | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|-------------|--------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 1.7135          | 41.65                | Pk  | 29.2          | -35.5       | .7          | 36.05                    | -                          | -30.69      | 74                        | -37.95      | 0              | 100         | H        |
| 1.7135          | 28.91                | Ca  | 29.2          | -35.5       | .7          | 23.31                    | 54                         | -           | -                         | -           | 0              | 100         | H        |
| 1.7625          | 41.67                | Pk  | 30            | -35.4       | .7          | 36.97                    | -                          | -           | 74                        | -37.03      | 0              | 100         | V        |
| 1.7625          | 29.45                | Ca  | 30            | -35.4       | .7          | 24.75                    | 54                         | -29.25      | -                         | -           | 0              | 100         | V        |
| 2.479           | 51.64                | Pk  | 32.4          | -34.8       | .7          | 49.94                    | -                          | -           | 74                        | -24.06      | 218            | 136         | H        |
| 2.479           | 41.55                | Ca  | 32.4          | -34.8       | .7          | 39.85                    | 54                         | -14.15      | -                         | -           | 218            | 136         | H        |
| 2.479           | 41.55                | Pk  | 32.4          | -34.8       | .7          | 39.85                    | -                          | -           | 74                        | -34.15      | 0              | 100         | V        |
| 2.479           | 28.34                | Ca  | 32.4          | -34.8       | .7          | 26.64                    | 54                         | -27.36      | -                         | -           | 0              | 100         | V        |
| 7.5525          | 33.35                | Pk  | 35.8          | -25.6       | .6          | 44.15                    | -                          | -           | 74                        | -29.85      | 0              | 100         | H        |
| 7.5525          | 21.03                | Ca  | 35.8          | -25.6       | .6          | 31.83                    | 54                         | -22.17      | -                         | -           | 0              | 100         | H        |
| 7.5575          | 33.33                | Pk  | 35.8          | -25.6       | .6          | 44.13                    | -                          | -           | 74                        | -29.87      | 0              | 100         | V        |
| 7.5575          | 21.06                | Ca  | 35.8          | -25.6       | .6          | 31.86                    | 54                         | -22.14      | -                         | -           | 0              | 100         | V        |

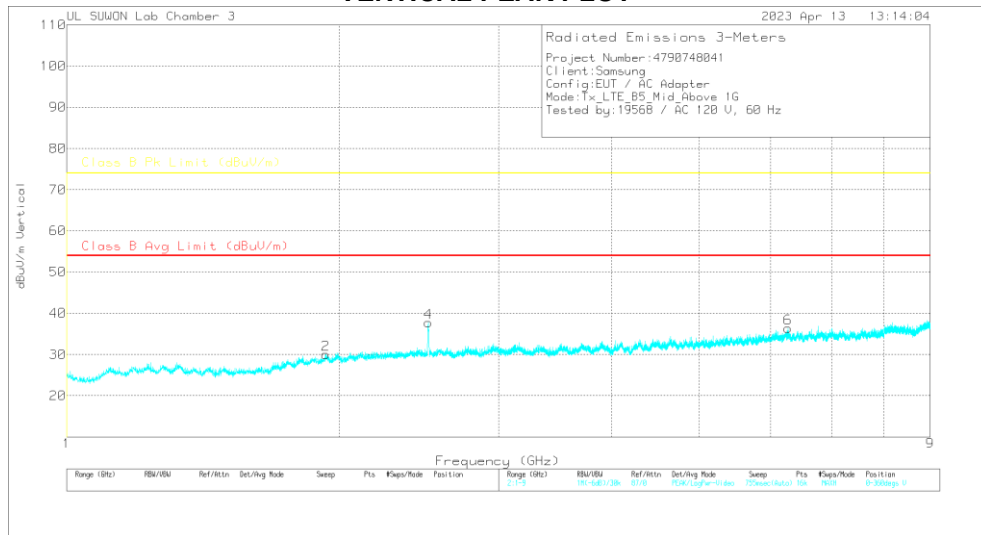
Pk - Peak detector  
 Ca - CISPR average detection

**MID CHANNEL(881.5 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

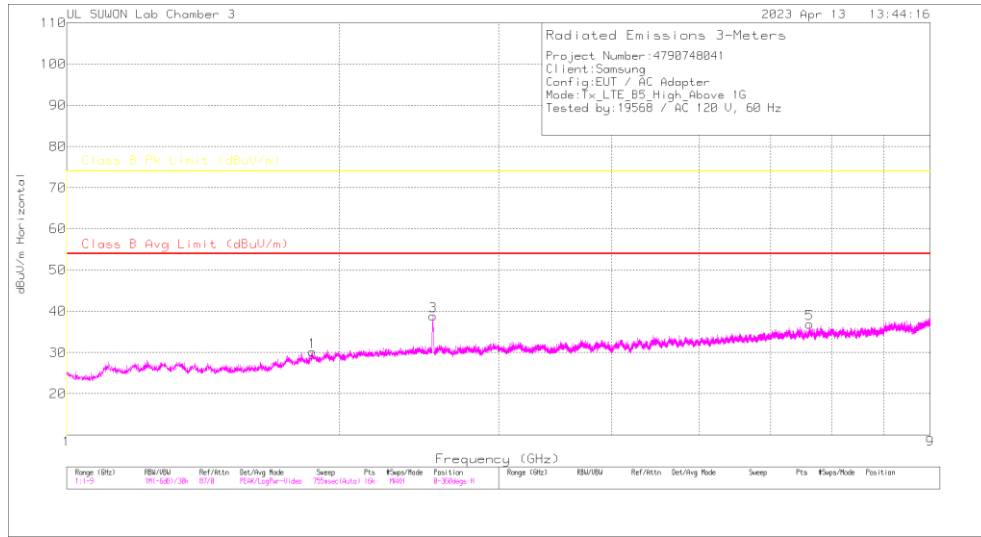
**Radiated Emissions**

| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00218957 | 1-18GHz(dB) | 1GHz_HP[dB] | Corrected Reading (dBuV/m) | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|-------------|----------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 1.949           | 41.65                | Pk  | 31            | -35.2       | .6          | 38.05                      | -                          | -           | 74                        | -35.95      | 0              | 100         | H        |
| 1.949           | 29                   | Ca  | 31            | -35.2       | .6          | 25.4                       | 54                         | -28.6       | -                         | -           | 0              | 100         | H        |
| 1.9325          | 41.56                | Pk  | 31            | -35.1       | .6          | 38.06                      | -                          | -           | 74                        | -35.94      | 0              | 100         | V        |
| 1.9325          | 29.41                | Ca  | 31            | -35.1       | .6          | 25.91                      | 54                         | -28.09      | -                         | -           | 0              | 100         | V        |
| 2.511           | 40.83                | Pk  | 32.4          | -34.6       | .7          | 39.33                      | -                          | -           | 74                        | -34.67      | 0              | 100         | H        |
| 2.511           | 28.92                | Ca  | 32.4          | -34.6       | .7          | 27.42                      | 54                         | -26.58      | -                         | -           | 0              | 100         | H        |
| 2.5095          | 41.21                | Pk  | 32.4          | -34.6       | .7          | 39.71                      | -                          | -           | 74                        | -34.29      | 0              | 100         | V        |
| 2.5095          | 28.97                | Ca  | 32.4          | -34.6       | .7          | 27.47                      | 54                         | -26.53      | -                         | -           | 0              | 100         | V        |
| 6.2825          | 36.4                 | Pk  | 36            | -28.8       | .5          | 44.1                       | -                          | -           | 74                        | -29.9       | 0              | 100         | H        |
| 6.2825          | 23.61                | Ca  | 36            | -28.8       | .5          | 31.31                      | 54                         | -22.69      | -                         | -           | 0              | 100         | H        |
| 6.2675          | 35.59                | Pk  | 36            | -28.8       | .5          | 43.29                      | -                          | -           | 74                        | -30.71      | 0              | 100         | V        |
| 6.2675          | 23.33                | Ca  | 36            | -28.8       | .5          | 31.03                      | 54                         | -22.97      | -                         | -           | 0              | 100         | V        |

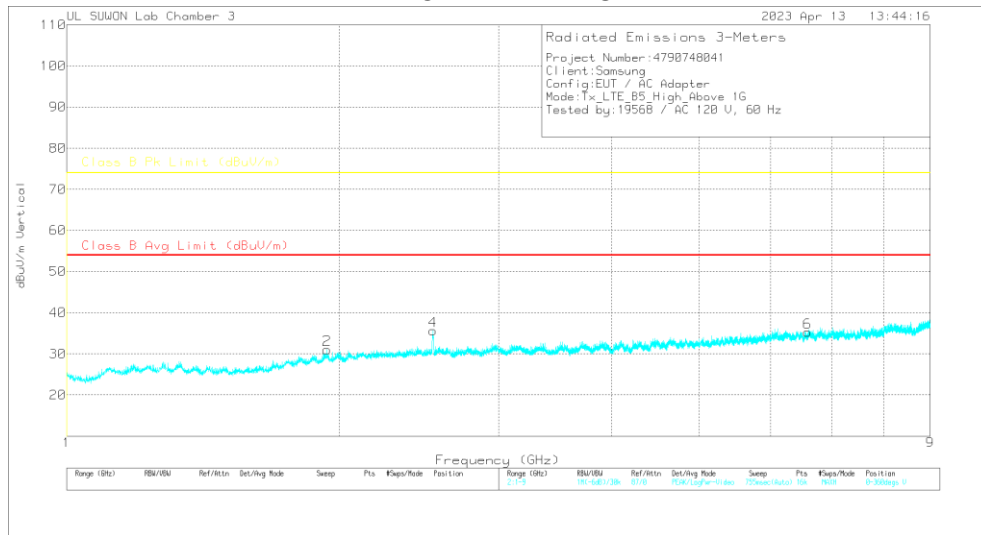
Pk - Peak detector  
 Ca - CISPR average detection

**HIGH CHANNEL(889.0 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

**Radiated Emissions**

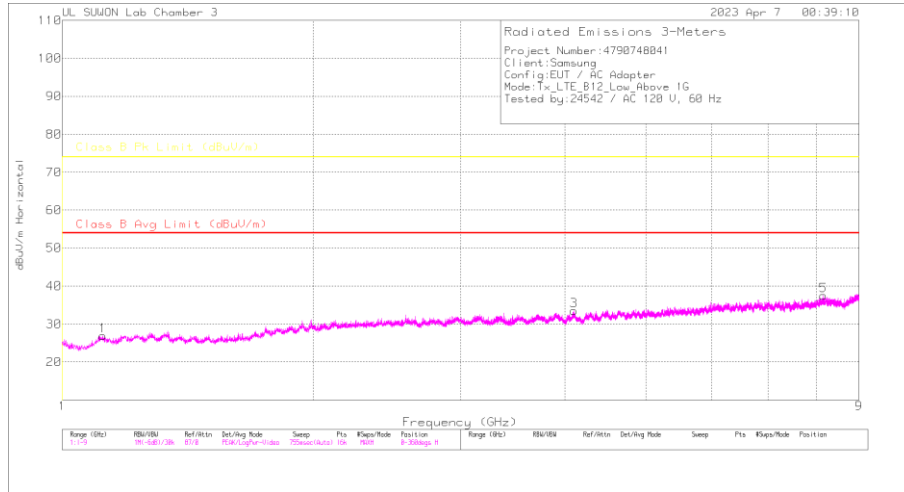
| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00218957 | 1-18GHz(dB) | 1GHz_HP[dB] | Corrected Reading (dBuV/m) | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|-------------|----------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 1.8685          | 41.59                | Pk  | 30.6          | -35.3       | .7          | 37.59                      | -                          | -           | 74                        | -36.41      | 0              | 100         | H        |
| 1.8685          | 29.28                | Ca  | 30.6          | -35.3       | .7          | 25.28                      | 54                         | -28.72      | -                         | -           | 0              | 100         | H        |
| 1.9395          | 42.02                | Pk  | 31            | -35.2       | .6          | 38.42                      | -                          | -           | 74                        | -35.58      | 0              | 100         | V        |
| 1.9395          | 29.45                | Ca  | 31            | -35.2       | .6          | 25.85                      | 54                         | -28.15      | -                         | -           | 0              | 100         | V        |
| 2.5395          | 40.82                | Pk  | 32.4          | -34.7       | .7          | 39.22                      | -                          | -           | 74                        | -34.78      | 0              | 100         | H        |
| 2.5395          | 28.34                | Ca  | 32.4          | -34.7       | .7          | 26.74                      | 54                         | -27.26      | -                         | -           | 0              | 100         | H        |
| 2.54            | 41.61                | Pk  | 32.4          | -34.8       | .7          | 39.91                      | -                          | -           | 74                        | -34.09      | 0              | 100         | V        |
| 2.54            | 29.18                | Ca  | 32.4          | -34.8       | .7          | 27.48                      | 54                         | -26.52      | -                         | -           | 0              | 100         | V        |
| 6.6185          | 34.85                | Pk  | 36            | -27.8       | .5          | 43.55                      | -                          | -           | 74                        | -30.45      | 0              | 100         | H        |
| 6.6185          | 22.9                 | Ca  | 36            | -27.8       | .5          | 31.6                       | 54                         | -22.4       | -                         | -           | 0              | 100         | H        |
| 6.587           | 34.46                | Pk  | 36            | -27.9       | .5          | 43.06                      | -                          | -           | 74                        | -30.94      | 0              | 100         | V        |
| 6.587           | 22.03                | Ca  | 36            | -27.9       | .5          | 30.63                      | 54                         | -23.37      | -                         | -           | 0              | 100         | V        |

Pk - Peak detector  
 Ca - CISPR average detection

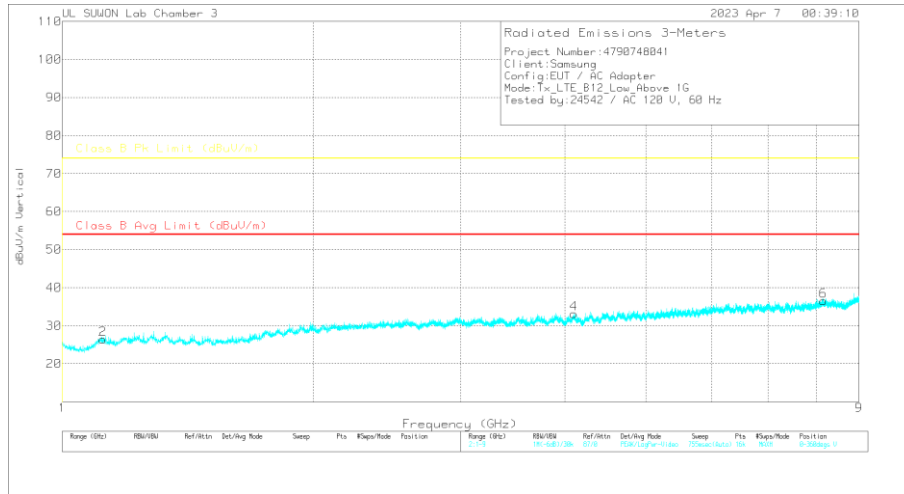
### 7.1.5. Above 1 GHz in the LTE Band 12

#### LOW CHANNEL(731.5 MHz)

#### HORIZONTAL PEAK PLOT



#### VERTICAL PEAK PLOT



#### DATA

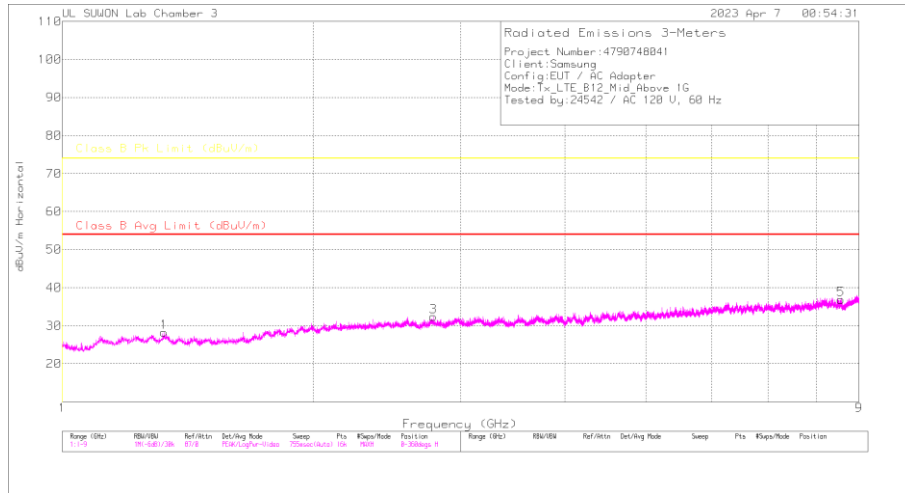
#### Radiated Emissions

| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00218957 | 1-19GHz(dB) | 1GHz_HP[dB] | Corrected Reading dBuV/m | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|-------------|--------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 1.118           | 43.24                | Pk  | 27.6          | -36.4       | 1           | 35.44                    | -                          | -           | 74                        | -38.56      | 0              | 100         | H        |
| 1.118           | 30.63                | Ca  | 27.6          | -36.4       | 1           | 22.83                    | 54                         | -31.17      | -                         | -           | 0              | 100         | H        |
| 1.119           | 43.09                | Pk  | 27.6          | -36.4       | 1           | 35.29                    | -                          | -           | 74                        | -38.71      | 0              | 100         | V        |
| 1.119           | 30.62                | Ca  | 27.6          | -36.4       | 1           | 22.82                    | 54                         | -31.18      | -                         | -           | 0              | 100         | V        |
| 4.101           | 40.74                | Pk  | 33.5          | -32         | .5          | 42.74                    | -                          | -           | 74                        | -31.26      | 0              | 100         | H        |
| 4.101           | 26.94                | Ca  | 33.5          | -32         | .5          | 28.94                    | 54                         | -25.06      | -                         | -           | 0              | 100         | H        |
| 4.103           | 39.45                | Pk  | 33.5          | -32         | .5          | 41.45                    | -                          | -           | 74                        | -32.55      | 0              | 100         | V        |
| 4.103           | 26.91                | Ca  | 33.5          | -32         | .5          | 28.91                    | 54                         | -25.09      | -                         | -           | 0              | 100         | V        |
| 8.157           | 32.57                | Pk  | 36            | -24.3       | .6          | 44.87                    | -                          | -           | 74                        | -29.13      | 0              | 100         | H        |
| 8.157           | 20.49                | Ca  | 36            | -24.3       | .6          | 32.79                    | 54                         | -21.21      | -                         | -           | 0              | 100         | H        |
| 8.159           | 33.28                | Pk  | 36            | -24.3       | .6          | 45.58                    | -                          | -           | 74                        | -28.42      | 0              | 100         | V        |
| 8.159           | 20.49                | Ca  | 36            | -24.3       | .6          | 32.79                    | 54                         | -21.21      | -                         | -           | 0              | 100         | V        |

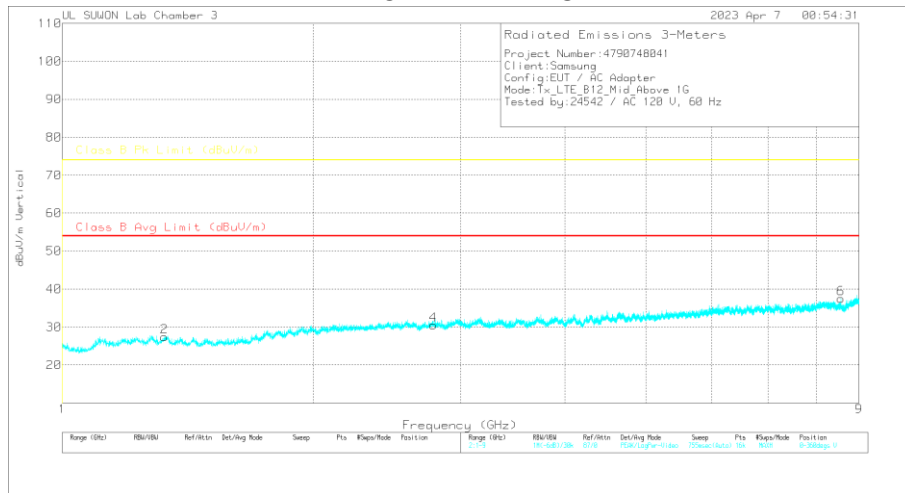
Pk - Peak detector  
 Ca - CISPR average detection

**MID CHANNEL(737.5 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

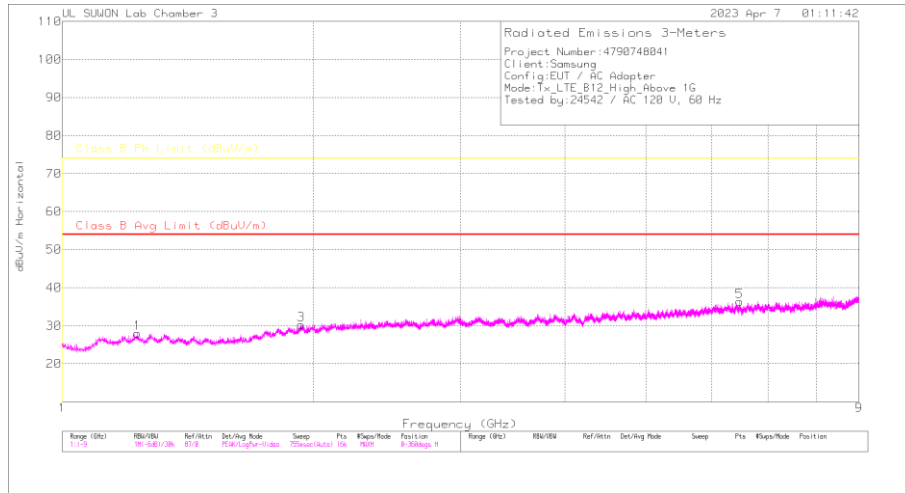
**Radiated Emissions**

| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00218957 | 1-18GHz(dB) | 1GHz_HP[dB] | Corrected Reading (dBuV/m) | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|-------------|----------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 1.3235          | 42.12                | Pk  | 28.7          | -36.1       | .7          | 35.42                      | -                          | -           | 74                        | -38.58      | 0              | 100         | H        |
| 1.3235          | 30.15                | Ca  | 28.7          | -36.1       | .7          | 23.45                      | 54                         | -30.55      | -                         | -           | 0              | 100         | H        |
| 1.326           | 32.72                | Pk  | 28.6          | -36         | .7          | 26.02                      | -                          | -           | 74                        | -47.98      | 0              | 100         | V        |
| 1.326           | 21.4                 | Ca  | 28.6          | -36         | .7          | 14.7                       | 54                         | -39.3       | -                         | -           | 0              | 100         | V        |
| 2.7835          | 40.92                | Pk  | 32.4          | -34.3       | .7          | 39.72                      | -                          | -           | 74                        | -34.28      | 0              | 100         | H        |
| 2.7835          | 28.67                | Ca  | 32.4          | -34.3       | .7          | 27.47                      | 54                         | -26.53      | -                         | -           | 0              | 100         | H        |
| 2.7835          | 41.62                | Pk  | 32.4          | -34.3       | .7          | 40.42                      | -                          | -           | 74                        | -33.58      | 0              | 100         | V        |
| 2.7835          | 28.66                | Ca  | 32.4          | -34.3       | .7          | 27.46                      | 54                         | -26.54      | -                         | -           | 0              | 100         | V        |
| 8.563           | 31.72                | Pk  | 36            | -23.6       | .7          | 44.82                      | -                          | -           | 74                        | -29.18      | 0              | 100         | H        |
| 8.563           | 19.39                | Ca  | 36            | -23.6       | .7          | 32.49                      | 54                         | -21.51      | -                         | -           | 0              | 100         | H        |
| 8.5655          | 31.41                | Pk  | 36            | -23.6       | .7          | 44.51                      | -                          | -           | 74                        | -29.49      | 0              | 100         | V        |
| 8.5655          | 19.38                | Ca  | 36            | -23.6       | .7          | 32.48                      | 54                         | -21.52      | -                         | -           | 0              | 100         | V        |

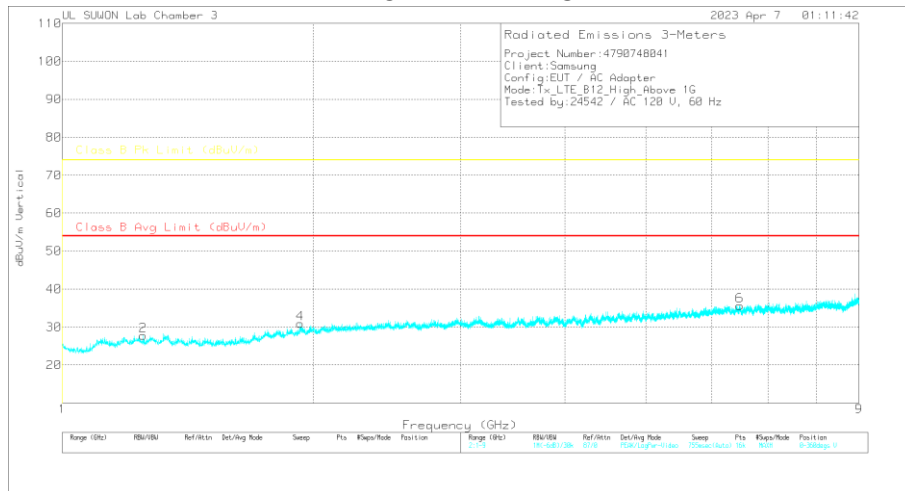
Pk - Peak detector  
 Ca - CISPR average detection

**HIGH CHANNEL(743.5 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

**Radiated Emissions**

| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00218957 | 1-18GHz(dB) | 1GHz_HP[dB] | Corrected Reading (dBuV/m) | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|-------------|----------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 1.23            | 42.59                | Pk  | 28.5          | -36.3       | .8          | 35.59                      | -                          | 74          | -                         | -38.41      | 0              | 100         | H        |
| 1.23            | 30.32                | Ca  | 28.5          | -36.3       | .8          | 23.32                      | 54                         | -30.68      | -                         | -           | 0              | 100         | H        |
| 1.2505          | 42.81                | Pk  | 28.7          | -36.2       | .8          | 36.11                      | -                          | 74          | -                         | -37.89      | 0              | 100         | V        |
| 1.2505          | 29.38                | Ca  | 28.7          | -36.2       | .8          | 22.68                      | 54                         | -31.32      | -                         | -           | 0              | 100         | V        |
| 1.932           | 42.26                | Pk  | 31            | -35.1       | .6          | 38.76                      | -                          | 74          | -                         | -35.24      | 0              | 100         | H        |
| 1.932           | 29.44                | Ca  | 31            | -35.1       | .6          | 25.94                      | 54                         | -28.06      | -                         | -           | 0              | 100         | H        |
| 1.929           | 41.68                | Pk  | 31            | -35.1       | .6          | 38.18                      | -                          | 74          | -                         | -35.82      | 0              | 100         | V        |
| 1.929           | 29.33                | Ca  | 31            | -35.1       | .6          | 25.83                      | 54                         | -28.17      | -                         | -           | 0              | 100         | V        |
| 6.476           | 35.72                | Pk  | 35.9          | -28.1       | .5          | 44.02                      | -                          | 74          | -                         | -29.98      | 0              | 100         | H        |
| 6.476           | 22.98                | Ca  | 35.9          | -28.1       | .5          | 31.28                      | 54                         | -22.72      | -                         | -           | 0              | 100         | H        |
| 6.4805          | 36.67                | Pk  | 35.9          | -28.1       | .5          | 44.97                      | -                          | 74          | -                         | -29.03      | 0              | 100         | V        |
| 6.4805          | 23.01                | Ca  | 35.9          | -28.1       | .5          | 31.31                      | 54                         | -22.69      | -                         | -           | 0              | 100         | V        |

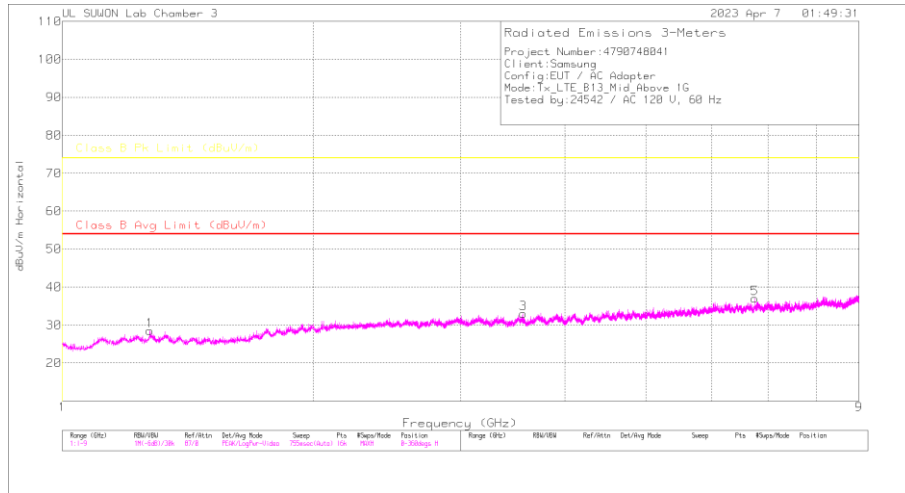
Pk - Peak detector  
 Ca - CISPR average detection



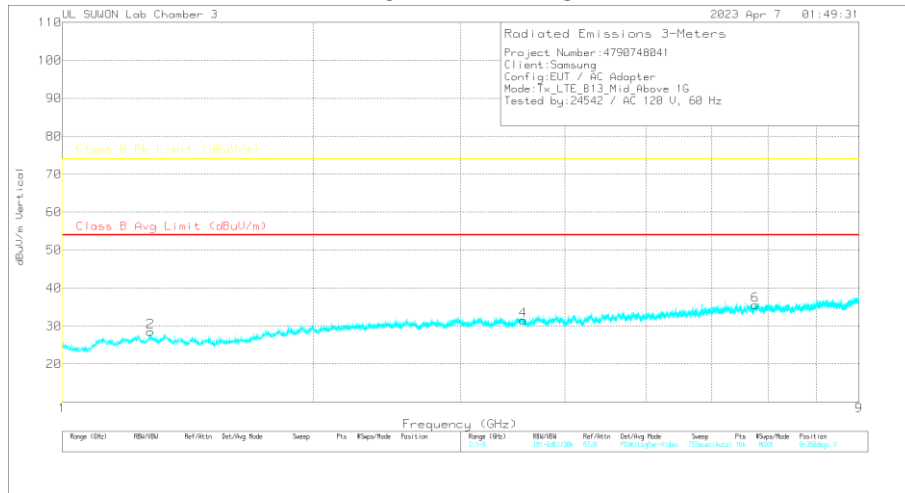
### 7.1.6. Above 1 GHz in the LTE Band 13

#### MID CHANNEL(751.0 MHz)

#### HORIZONTAL PEAK PLOT



#### VERTICAL PEAK PLOT



#### DATA

##### Radiated Emissions

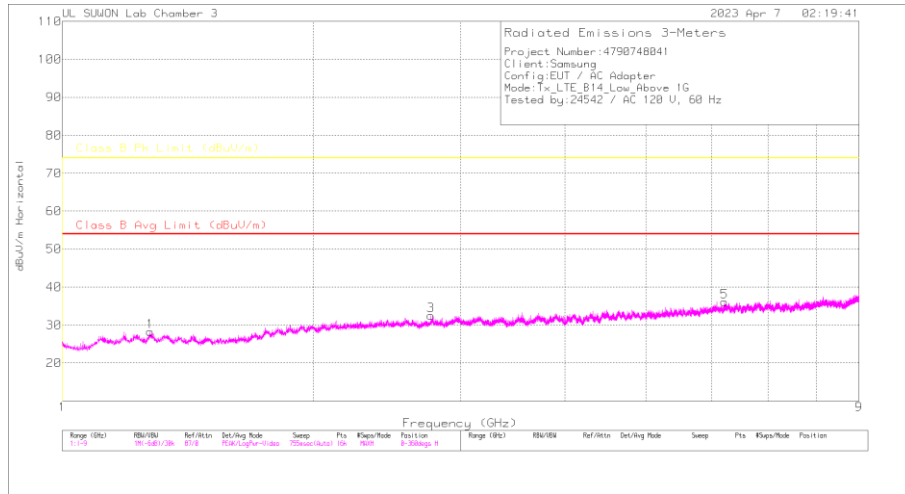
| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00218957 | 1-18GHz(dB) | 1GHz_HP[dB] | Corrected Reading dBuV/m | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|-------------|--------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 1.2735          | 42.15                | Pk  | 28.7          | -36.1       | .8          | 35.55                    | -                          | -           | 74                        | -38.45      | 0              | 100         | H        |
| 1.2735          | 30.02                | Ca  | 28.7          | -36.1       | .8          | 23.42                    | 54                         | -30.58      | -                         | -           | 0              | 100         | H        |
| 1.2755          | 43.16                | Pk  | 28.8          | -36.1       | .8          | 36.66                    | -                          | -           | 74                        | -37.34      | 0              | 100         | V        |
| 1.2755          | 30.13                | Ca  | 28.8          | -36.1       | .8          | 23.63                    | 54                         | -30.37      | -                         | -           | 0              | 100         | V        |
| 3.565           | 40.36                | Pk  | 33.1          | -33.3       | .6          | 40.76                    | -                          | -           | 74                        | -33.24      | 0              | 100         | H        |
| 3.565           | 27.52                | Ca  | 33.1          | -33.3       | .6          | 27.92                    | 54                         | -26.08      | -                         | -           | 0              | 100         | H        |
| 3.5665          | 39.82                | Pk  | 33.1          | -33.3       | .6          | 40.22                    | -                          | -           | 74                        | -33.78      | 0              | 100         | V        |
| 3.5665          | 27.48                | Ca  | 33.1          | -33.3       | .6          | 27.88                    | 54                         | -26.12      | -                         | -           | 0              | 100         | V        |
| 6.751           | 34.92                | Pk  | 36            | -27.6       | .5          | 43.82                    | -                          | -           | 74                        | -30.18      | 0              | 100         | H        |
| 6.751           | 22.44                | Ca  | 36            | -27.6       | .5          | 31.34                    | 54                         | -22.66      | -                         | -           | 0              | 100         | H        |
| 6.7575          | 34.94                | Pk  | 36            | -27.6       | .5          | 43.84                    | -                          | -           | 74                        | -30.16      | 0              | 100         | V        |
| 6.7575          | 22.46                | Ca  | 36            | -27.6       | .5          | 31.36                    | 54                         | -22.64      | -                         | -           | 0              | 100         | V        |

Pk - Peak detector  
 Ca - CISPR average detection

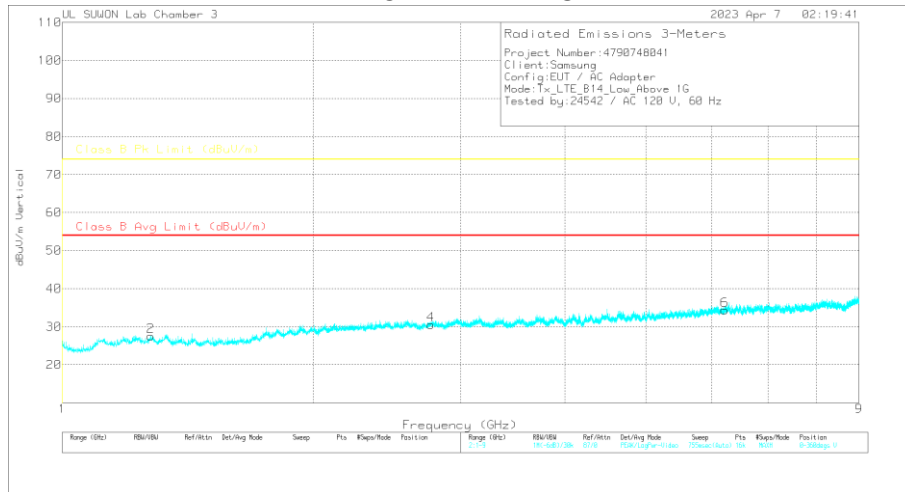
### 7.1.7. Above 1 GHz in the LTE Band 14

#### LOW CHANNEL(760.5 MHz)

#### HORIZONTAL PEAK PLOT



#### VERTICAL PEAK PLOT



#### DATA

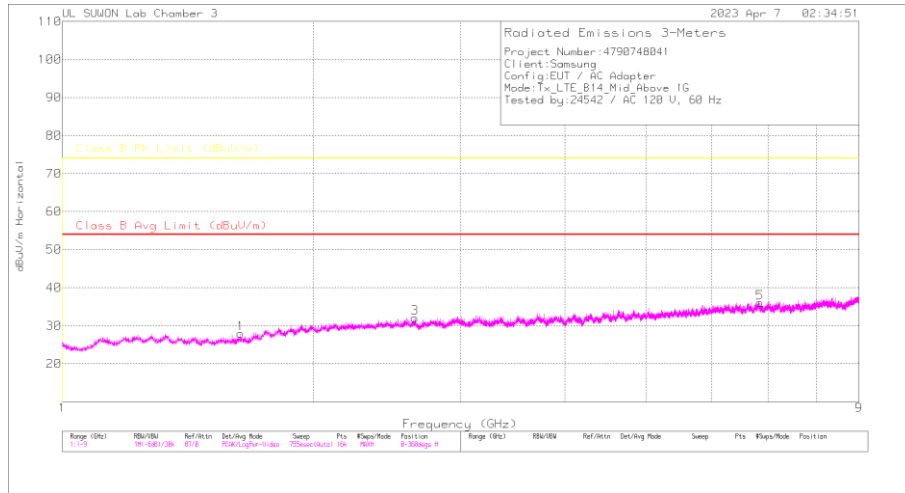
#### Radiated Emissions

| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00218957 | 1-18GHz(dB) | 1GHz_HP(dB) | Corrected Reading dBuV/m | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|-------------|--------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 1.274           | 43.17                | Pk  | 28.7          | -36.2       | .8          | 36.47                    | -                          | -           | 74                        | -37.53      | 0              | 100         | H        |
| 1.274           | 30.04                | Ca  | 28.7          | -36.2       | .8          | 23.34                    | 54                         | -30.66      | -                         | -           | 0              | 100         | H        |
| 1.276           | 42.62                | Pk  | 28.8          | -36.1       | .8          | 36.12                    | -                          | -           | 74                        | -37.88      | 0              | 100         | V        |
| 1.276           | 30.14                | Ca  | 28.8          | -36.1       | .8          | 23.64                    | 54                         | -30.36      | -                         | -           | 0              | 100         | V        |
| 2.765           | 41.07                | Pk  | 32.4          | -34.4       | .7          | 39.77                    | -                          | -           | 74                        | -34.23      | 0              | 100         | H        |
| 2.765           | 28.58                | Ca  | 32.4          | -34.4       | .7          | 27.28                    | 54                         | -26.72      | -                         | -           | 0              | 100         | H        |
| 2.7655          | 40.79                | Pk  | 32.4          | -34.4       | .7          | 39.49                    | -                          | -           | 74                        | -34.51      | 0              | 100         | V        |
| 2.7655          | 28.59                | Ca  | 32.4          | -34.4       | .7          | 27.29                    | 54                         | -26.71      | -                         | -           | 0              | 100         | V        |
| 6.215           | 35.34                | Pk  | 36            | -28.9       | .5          | 42.94                    | -                          | -           | 74                        | -31.06      | 0              | 100         | H        |
| 6.215           | 23.52                | Ca  | 36            | -28.9       | .5          | 31.12                    | 54                         | -22.88      | -                         | -           | 0              | 100         | H        |
| 6.2155          | 35.57                | Pk  | 36            | -28.9       | .5          | 43.17                    | -                          | -           | 74                        | -30.83      | 0              | 100         | V        |
| 6.2155          | 23.53                | Ca  | 36            | -28.9       | .5          | 31.13                    | 54                         | -22.87      | -                         | -           | 0              | 100         | V        |

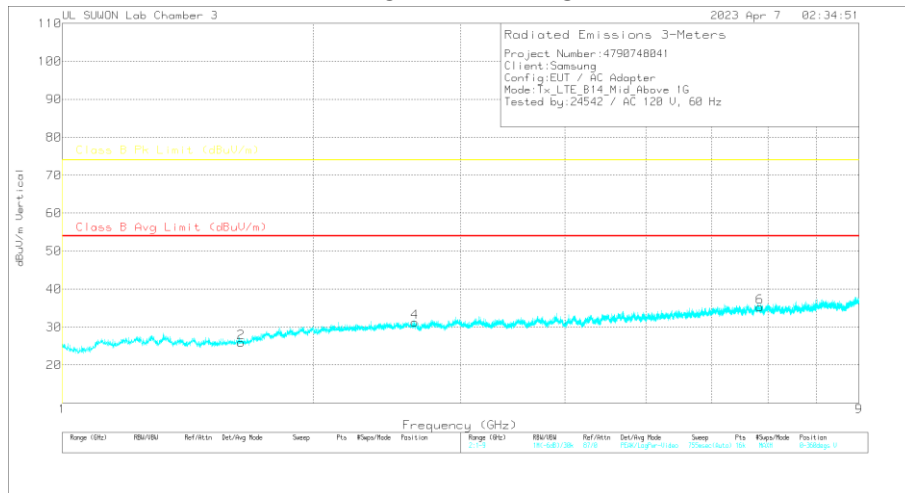
Pk - Peak detector  
 Ca - CISPR average detection

**MID CHANNEL(763 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

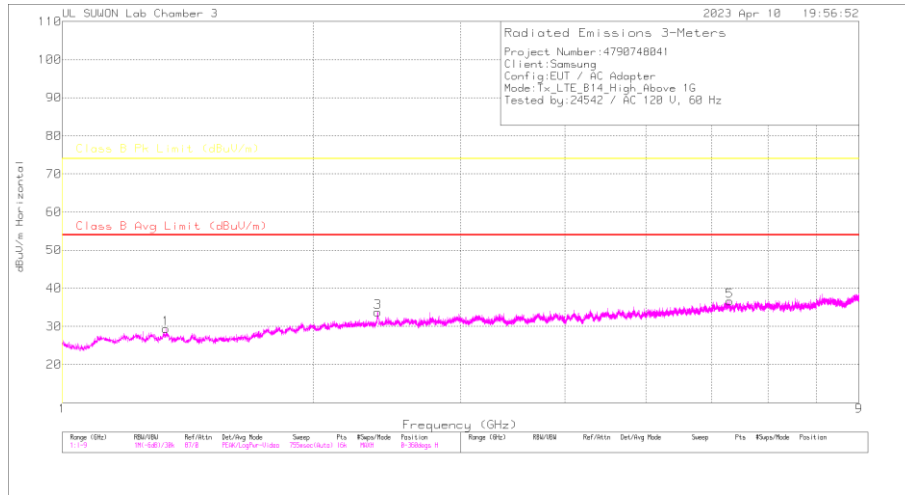
**Radiated Emissions**

| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00218957 | 1-18GHz(dB) | 1GHz_HP[dB] | Corrected Reading (dBuV/m) | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|-------------|----------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 1.6365          | 42.3                 | Pk  |               | -35.6       | .7          | 35.6                       | -                          | -           | 74                        | -38.4       | 0              | 100         | H        |
| 1.6365          | 29.61                | Ca  |               | -35.6       | .7          | 22.91                      | 54                         | -31.09      | -                         | -           | 0              | 100         | H        |
| 2.644           | 40.71                | Pk  |               | -34.5       | .7          | 39.21                      | -                          | -           | 74                        | -34.79      | 0              | 100         | H        |
| 2.644           | 28.53                | Ca  |               | -34.5       | .7          | 27.03                      | 54                         | -26.97      | -                         | -           | 0              | 100         | H        |
| 2.646           | 40.75                | Pk  |               | -34.5       | .7          | 39.25                      | -                          | -           | 74                        | -34.75      | 0              | 100         | V        |
| 2.646           | 28.47                | Ca  |               | -34.5       | .7          | 26.97                      | 54                         | -27.03      | -                         | -           | 0              | 100         | V        |
| 6.8475          | 34.03                | Pk  |               | -27.1       | .5          | 43.43                      | -                          | -           | 74                        | -30.57      | 0              | 100         | H        |
| 6.8475          | 21.66                | Ca  |               | -27.1       | .5          | 31.06                      | 54                         | -22.94      | -                         | -           | 0              | 100         | H        |
| 6.848           | 34.81                | Pk  |               | -27.1       | .5          | 44.21                      | -                          | -           | 74                        | -29.79      | 0              | 100         | V        |
| 6.848           | 21.64                | Ca  |               | -27.1       | .5          | 31.04                      | 54                         | -22.96      | -                         | -           | 0              | 100         | V        |

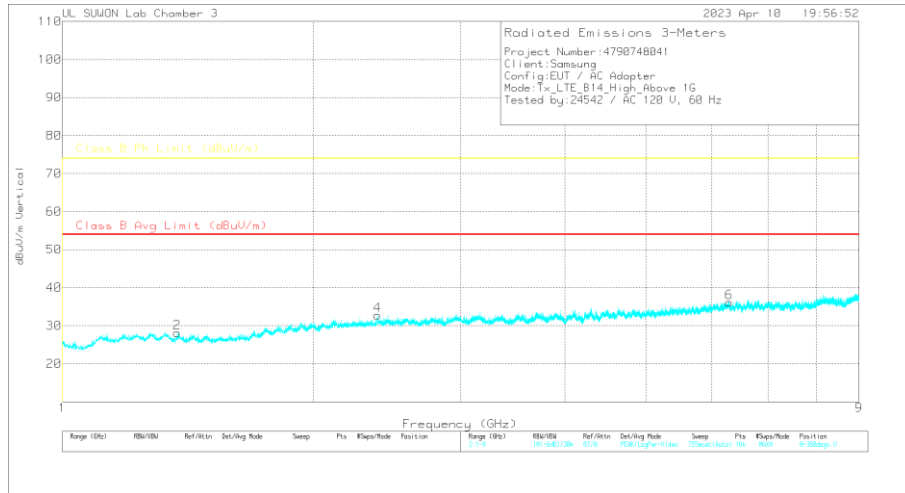
Pk - Peak detector  
 Ca - CISPR average detection

**HIGH CHANNEL(765.5 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

**Radiated Emissions**

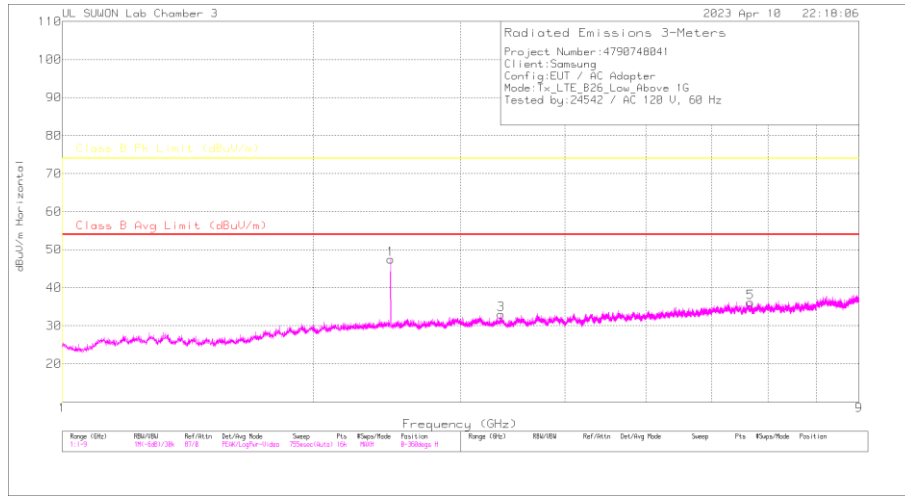
| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00218957 | 1-18GHz(dB) | 1GHz_HP[dB] | Corrected Reading (dBuV/m) | Class B Avg Limit (dBUV/m) | Margin (dB) | Class B Pk Limit (dBUV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|-------------|----------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 1.3315          | 42.93                | Pk  | 28.6          | -36         | .7          | 36.23                      | -                          | -           | 74                        | -37.77      | 0              | 100         | H        |
| 1.3315          | 30.91                | Ca  | 28.6          | -36         | .7          | 24.21                      | 54                         | -29.79      | -                         | -           | 0              | 100         | H        |
| 1.3735          | 32.18                | Pk  | 28.3          | -36.1       | .7          | 25.08                      | -                          | -           | 74                        | -48.92      | 0              | 100         | V        |
| 1.3735          | 21.32                | Ca  | 28.3          | -36.1       | .7          | 14.22                      | 54                         | -39.78      | -                         | -           | 0              | 100         | V        |
| 2.387           | 42.74                | Pk  | 32.1          | -34.9       | .7          | 40.64                      | -                          | -           | 74                        | -33.36      | 0              | 100         | H        |
| 2.387           | 29.81                | Ca  | 32.1          | -34.9       | .7          | 27.71                      | 54                         | -26.29      | -                         | -           | 0              | 100         | H        |
| 2.3855          | 31.97                | Pk  | 32.1          | -34.9       | .7          | 29.67                      | -                          | -           | 74                        | -44.13      | 0              | 100         | V        |
| 2.3855          | 20.56                | Ca  | 32.1          | -34.9       | .7          | 18.46                      | 54                         | -35.54      | -                         | -           | 0              | 100         | V        |
| 6.2995          | 36.58                | Pk  | 36            | -28.9       | .5          | 44.18                      | -                          | -           | 74                        | -29.82      | 0              | 100         | H        |
| 6.2995          | 23.69                | Ca  | 36            | -28.9       | .5          | 31.29                      | 54                         | -22.71      | -                         | -           | 0              | 100         | H        |
| 6.2965          | 26.17                | Pk  | 36            | -28.9       | .5          | 33.77                      | -                          | -           | 74                        | -40.23      | 0              | 100         | V        |
| 6.2965          | 14.88                | Ca  | 36            | -28.9       | .5          | 22.48                      | 54                         | -31.52      | -                         | -           | 0              | 100         | V        |

Pk - Peak detector  
 Ca - CISPR average detection

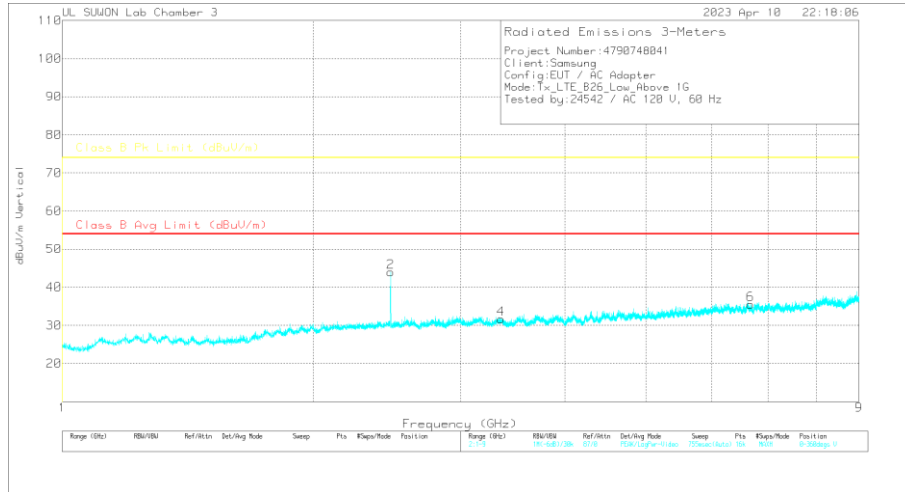
### 7.1.8. Above 1 GHz in the LTE Band 26

#### LOW CHANNEL(871.5 MHz)

#### HORIZONTAL PEAK PLOT



#### VERTICAL PEAK PLOT



#### DATA

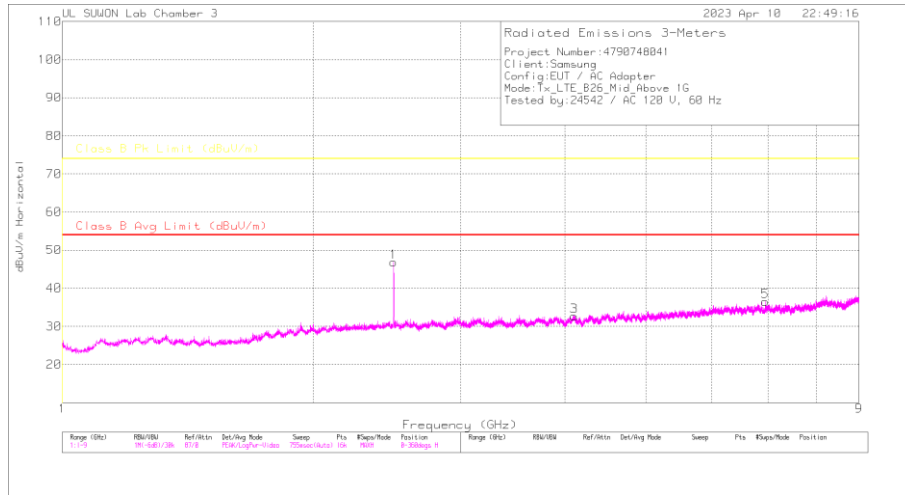
#### Radiated Emissions

| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00218957 | 1-18GHz(dB) | 1GHz_HP[dB] | Corrected Reading dBuV/m | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|-------------|--------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 2.4745          | 56.14                | Pk  | 32.3          | -34.8       | .7          | 54.34                    | -                          | -           | 74                        | -19.66      | 228            | 129         | H        |
| 2.4745          | 47.05                | Ca  | 32.3          | -34.8       | .7          | 45.25                    | 54                         | -8.75       | -                         | -           | 228            | 129         | H        |
| 2.4735          | 53.68                | Pk  | 32.3          | -34.8       | .7          | 51.88                    | -                          | -           | 74                        | -22.12      | 236            | 122         | V        |
| 2.4735          | 43.56                | Ca  | 32.3          | -34.8       | .7          | 41.76                    | 54                         | -12.24      | -                         | -           | 236            | 122         | V        |
| 3.353           | 39.98                | Pk  | 32.8          | -33.5       | .7          | 39.98                    | -                          | -           | 74                        | -34.02      | 0              | 100         | H        |
| 3.353           | 27.79                | Ca  | 32.8          | -33.5       | .7          | 27.79                    | 54                         | -26.21      | -                         | -           | 0              | 100         | H        |
| 3.353           | 41                   | Pk  | 32.8          | -33.5       | .7          | 41                       | -                          | -           | 74                        | -33         | 0              | 100         | V        |
| 3.353           | 27.78                | Ca  | 32.8          | -33.5       | .7          | 27.78                    | 54                         | -26.22      | -                         | -           | 0              | 100         | V        |
| 6.6765          | 34.94                | Pk  | 36            | -27.9       | .5          | 43.54                    | -                          | -           | 74                        | -30.46      | 0              | 100         | H        |
| 6.6765          | 22.53                | Ca  | 36            | -27.9       | .5          | 31.13                    | 54                         | -22.87      | -                         | -           | 0              | 100         | H        |
| 6.6725          | 35.71                | Pk  | 36            | -28         | .5          | 44.21                    | -                          | -           | 74                        | -29.79      | 0              | 100         | V        |
| 6.6725          | 22.47                | Ca  | 36            | -28         | .5          | 30.97                    | 54                         | -23.03      | -                         | -           | 0              | 100         | V        |

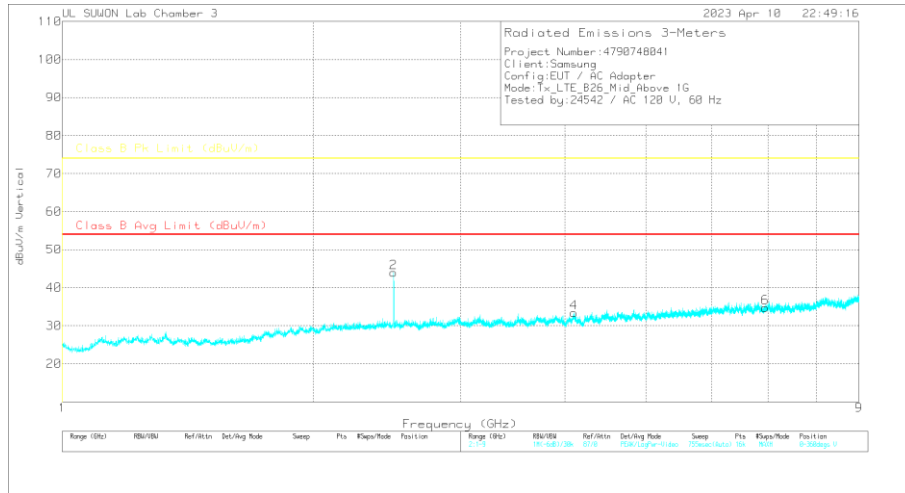
Pk - Peak detector  
 Ca - CISPR average detection

**MID CHANNEL(876.5 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

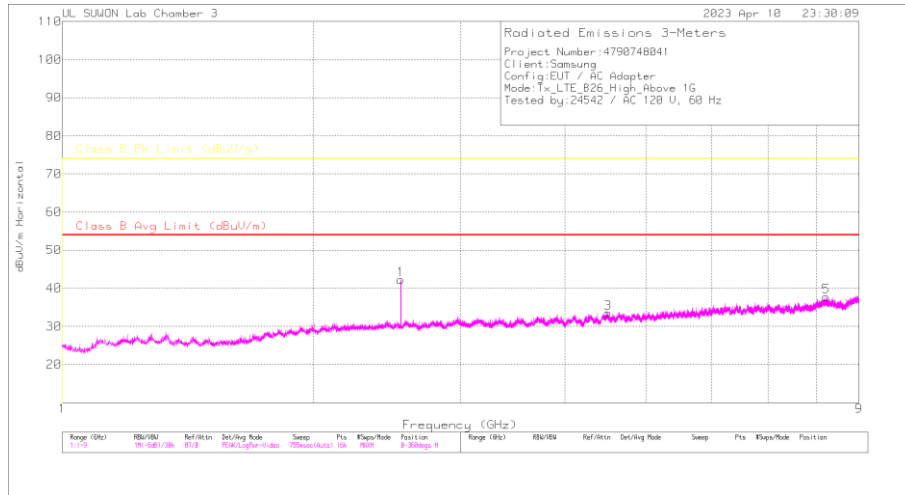
**Radiated Emissions**

| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00218957 | 1-18GHz(dB) | 1GHz_HP[dB] | Corrected Reading (dBuV/m) | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|-------------|----------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 2.4945          | 58.99                | Pk  | 32.4          | -34.7       | .7          | 57.39                      | -                          | -           | 74                        | -16.61      | 231            | 127         | H        |
| 2.4945          | 47.43                | Ca  | 32.4          | -34.7       | .7          | 45.83                      | 54                         | -8.17       | -                         | -           | 231            | 127         | H        |
| 2.4935          | 54.45                | Pk  | 32.4          | -34.6       | .7          | 52.95                      | -                          | -           | 74                        | -21.05      | 232            | 136         | V        |
| 2.4935          | 39.91                | Ca  | 32.4          | -34.6       | .7          | 38.41                      | 54                         | -15.59      | -                         | -           | 232            | 136         | V        |
| 4.1035          | 39.01                | Pk  | 33.5          | -32.1       | .5          | 40.91                      | -                          | -           | 74                        | -33.09      | 0              | 100         | H        |
| 4.1035          | 26.79                | Ca  | 33.5          | -32.1       | .5          | 28.69                      | 54                         | -25.31      | -                         | -           | 0              | 100         | H        |
| 4.103           | 38.63                | Pk  | 33.5          | -32         | .5          | 40.63                      | -                          | -           | 74                        | -33.37      | 0              | 100         | V        |
| 4.103           | 26.8                 | Ca  | 33.5          | -32         | .5          | 28.8                       | 54                         | -25.2       | -                         | -           | 0              | 100         | V        |
| 6.948           | 33.74                | Pk  | 36            | -27.2       | .5          | 43.04                      | -                          | -           | 74                        | -30.96      | 0              | 100         | H        |
| 6.948           | 21.77                | Ca  | 36            | -27.2       | .5          | 31.07                      | 54                         | -22.93      | -                         | -           | 0              | 100         | H        |
| 6.9505          | 34.45                | Pk  | 36            | -27.2       | .5          | 43.75                      | -                          | -           | 74                        | -30.25      | 0              | 100         | V        |
| 6.9505          | 21.82                | Ca  | 36            | -27.2       | .5          | 31.12                      | 54                         | -22.88      | -                         | -           | 0              | 100         | V        |

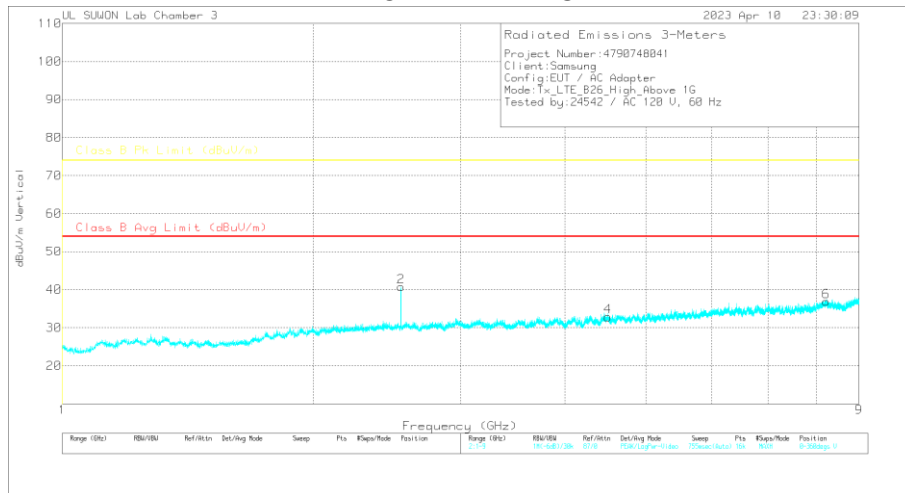
Pk - Peak detector  
 Ca - CISPR average detection

**HIGH CHANNEL(891.5 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

**Radiated Emissions**

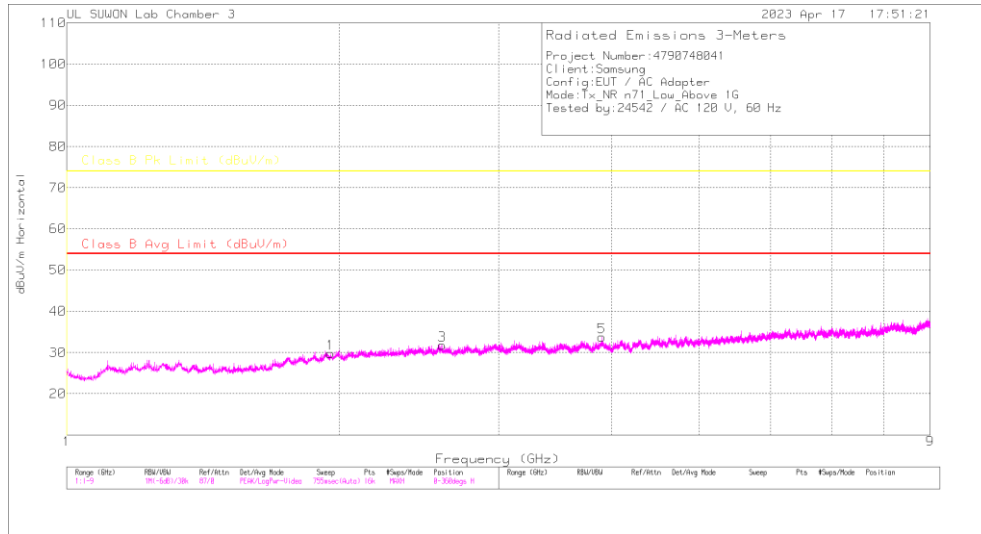
| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00218957 | 1-18GHz(dB) | 1GHz_HP[dB] | Corrected Reading (dBuV/m) | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|-------------|----------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 2.5445          | 55.1                 | Pk  | 32.4          | -34.6       | .7          | 53.6                       | -                          | -           | 74                        | -20.4       | 231            | 121         | H        |
| 2.5445          | 43.95                | Ca  | 32.4          | -34.6       | .7          | 42.45                      | 54                         | -11.55      | -                         | -           | 231            | 121         | H        |
| 2.545           | 54.63                | Pk  | 32.4          | -34.6       | .7          | 53.13                      | -                          | -           | 74                        | -20.87      | 233            | 140         | V        |
| 2.545           | 42.9                 | Ca  | 32.4          | -34.6       | .7          | 41.4                       | 54                         | -12.6       | -                         | -           | 233            | 140         | V        |
| 4.5055          | 38.45                | Pk  | 34.1          | -31.6       | .5          | 41.45                      | -                          | -           | 74                        | -32.55      | 0              | 100         | H        |
| 4.5055          | 26                   | Ca  | 34.1          | -31.6       | .5          | 29                         | 54                         | -25         | -                         | -           | 0              | 100         | H        |
| 4.507           | 39.08                | Pk  | 34.1          | -31.6       | .5          | 42.08                      | -                          | -           | 74                        | -31.92      | 0              | 100         | V        |
| 4.507           | 25.96                | Ca  | 34.1          | -31.6       | .5          | 28.96                      | 54                         | -25.04      | -                         | -           | 0              | 100         | V        |
| 8.2205          | 33.07                | Pk  | 36            | -24         | .7          | 45.77                      | -                          | -           | 74                        | -28.23      | 0              | 100         | H        |
| 8.2205          | 20.6                 | Ca  | 36            | -24         | .7          | 33.3                       | 54                         | -20.7       | -                         | -           | 0              | 100         | H        |
| 8.224           | 33.25                | Pk  | 36            | -24         | .7          | 45.95                      | -                          | -           | 74                        | -28.05      | 0              | 100         | V        |
| 8.224           | 20.58                | Ca  | 36            | -24         | .7          | 33.28                      | 54                         | -20.72      | -                         | -           | 0              | 100         | V        |

Pk - Peak detector  
 Ca - CISPR average detection

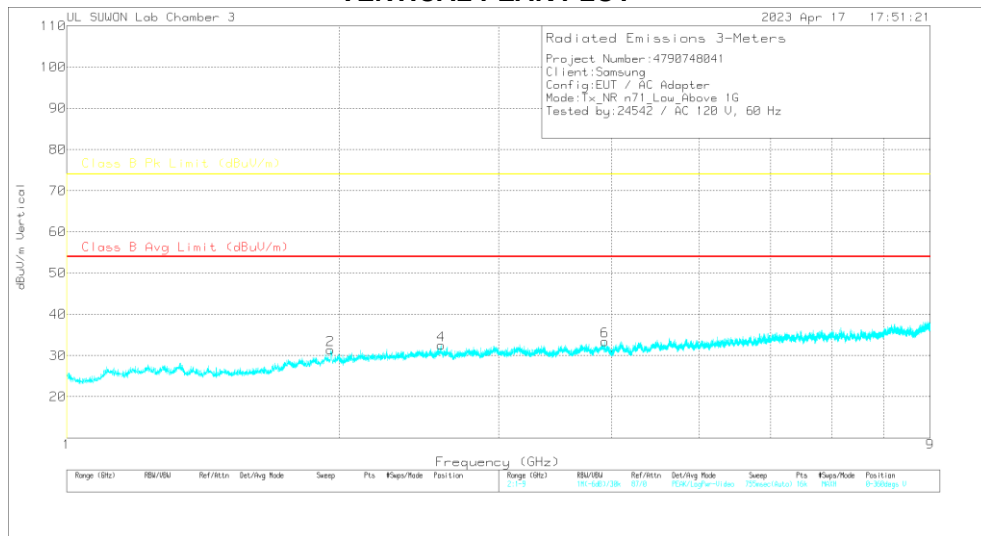
### 7.1.9. Above 1 GHz in the 5G NR n71

#### LOW CHANNEL(662 MHz)

#### HORIZONTAL PEAK PLOT



#### VERTICAL PEAK PLOT



#### DATA

#### Radiated Emissions

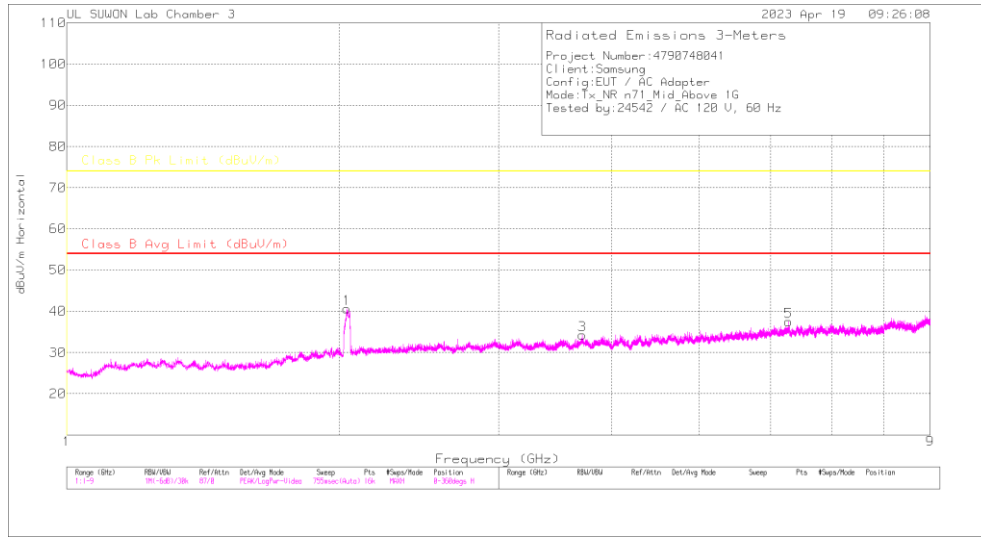
| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00218957 | 1-18GHz(dB) | 1GHz_HP[dB] | Corrected Reading dBuV/m | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|-------------|--------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 1.9555          | 41.66                | Pk  | 31            | -35.2       | .6          | 38.06                    | -                          | -           | 74                        | -35.94      | 0              | 100         | H        |
| 1.9555          | 28.82                | Ca  | 31            | -35.2       | .6          | 25.22                    | 54                         | -28.78      | -                         | -           | 0              | 100         | H        |
| 1.9565          | 33.02                | Pk  | 31            | -35.2       | .6          | 29.42                    | -                          | -           | 74                        | -44.58      | 0              | 100         | V        |
| 1.9565          | 21.72                | Ca  | 31            | -35.2       | .6          | 18.12                    | 54                         | -35.88      | -                         | -           | 0              | 100         | V        |
| 2.5995          | 40.44                | Pk  | 32.3          | -34.7       | .7          | 38.74                    | -                          | -           | 74                        | -35.26      | 0              | 100         | H        |
| 2.5995          | 28.64                | Ca  | 32.3          | -34.7       | .7          | 26.94                    | 54                         | -27.06      | -                         | -           | 0              | 100         | H        |
| 2.592           | 33.11                | Pk  | 32.3          | -34.6       | .7          | 31.51                    | -                          | -           | 74                        | -42.49      | 0              | 100         | V        |
| 2.592           | 19.96                | Ca  | 32.3          | -34.6       | .7          | 18.36                    | 54                         | -35.64      | -                         | -           | 0              | 100         | V        |
| 3.9015          | 39.57                | Pk  | 33.5          | -32.7       | .5          | 40.87                    | -                          | -           | 74                        | -33.13      | 0              | 100         | H        |
| 3.9015          | 27.26                | Ca  | 33.5          | -32.7       | .5          | 28.58                    | 54                         | -25.42      | -                         | -           | 0              | 100         | H        |
| 3.934           | 28.93                | Pk  | 33.5          | -32.6       | .5          | 30.33                    | -                          | -           | 74                        | -43.67      | 0              | 100         | V        |
| 3.934           | 17.58                | Ca  | 33.5          | -32.6       | .5          | 18.98                    | 54                         | -35.02      | -                         | -           | 0              | 100         | V        |

Pk - Peak detector  
 Ca - CISPR average detection

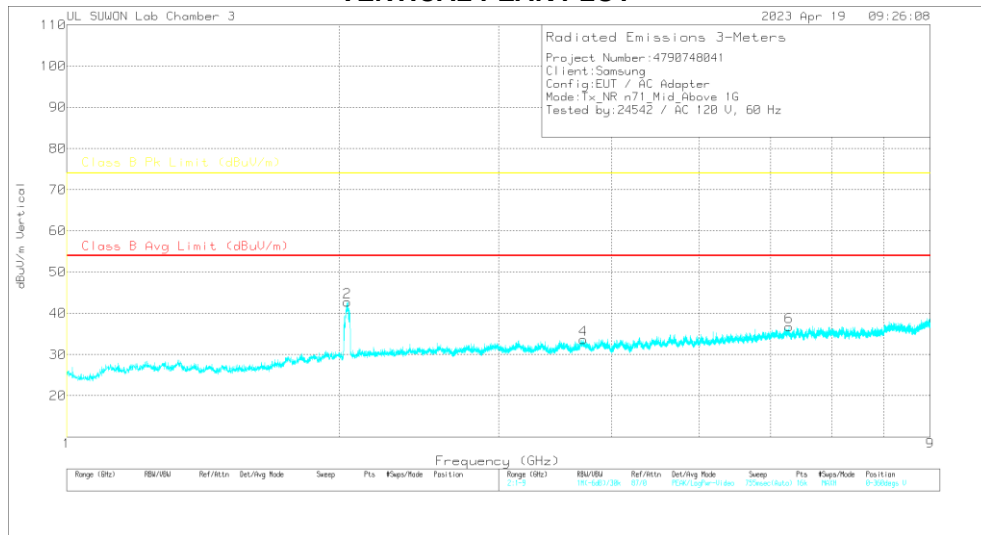


**MID CHANNEL(634.5 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

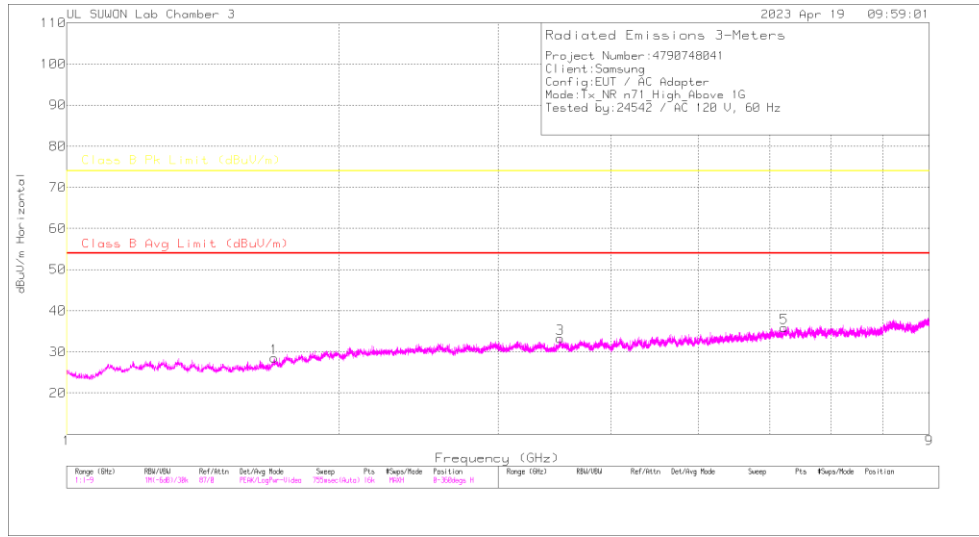
**Radiated Emissions**

| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00218957 | 1-18GHz(dB) | 1GHz_HP[dB] | Corrected Reading (dBuV/m) | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|-------------|----------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 2.04            | 55.06                | Pk  | 31.3          | -35.1       | .6          | 51.86                      | -                          | -           | 74                        | -22.14      | 233            | 289         | H        |
| 2.041           | 52.59                | Pk  | 31.3          | -35.1       | .6          | 49.39                      | -                          | -           | 74                        | -24.61      | 203            | 287         | V        |
| 2.041           | 41.06                | Ca  | 31.3          | -35.1       | .6          | 37.86                      | 54                         | -16.14      | -                         | -           | 203            | 287         | V        |
| 2.04            | 44.25                | Ca  | 31.3          | -35.1       | .6          | 41.05                      | 54                         | -12.95      | -                         | -           | 233            | 289         | H        |
| 3.7155          | 40.25                | Pk  | 33.3          | -32.8       | .6          | 41.35                      | -                          | -           | 74                        | -32.65      | 0              | 100         | H        |
| 3.7155          | 27.78                | Ca  | 33.3          | -32.8       | .6          | 28.88                      | 54                         | -25.12      | -                         | -           | 0              | 100         | H        |
| 3.723           | 39.87                | Pk  | 33.3          | -32.8       | .6          | 40.97                      | -                          | -           | 74                        | -33.03      | 0              | 100         | V        |
| 3.723           | 27.52                | Ca  | 33.3          | -32.8       | .6          | 28.62                      | 54                         | -25.38      | -                         | -           | 0              | 100         | V        |
| 6.274           | 36.71                | Pk  | 36            | -28.8       | .5          | 44.41                      | -                          | -           | 74                        | -29.59      | 0              | 100         | H        |
| 6.274           | 23.91                | Ca  | 36            | -28.8       | .5          | 31.61                      | 54                         | -22.39      | -                         | -           | 0              | 100         | H        |
| 6.2815          | 36.59                | Pk  | 36            | -28.8       | .5          | 44.29                      | -                          | -           | 74                        | -29.71      | 0              | 100         | V        |
| 6.2815          | 23.88                | Ca  | 36            | -28.8       | .5          | 31.58                      | 54                         | -22.42      | -                         | -           | 0              | 100         | V        |

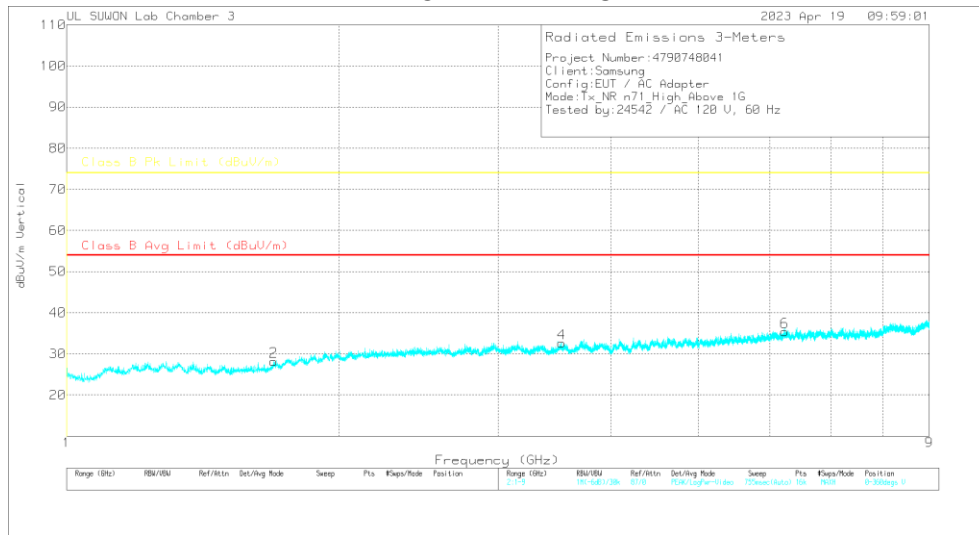
Pk - Peak detector  
 Ca - CISPR average detection

**HIGH CHANNEL(647 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

**Radiated Emissions**

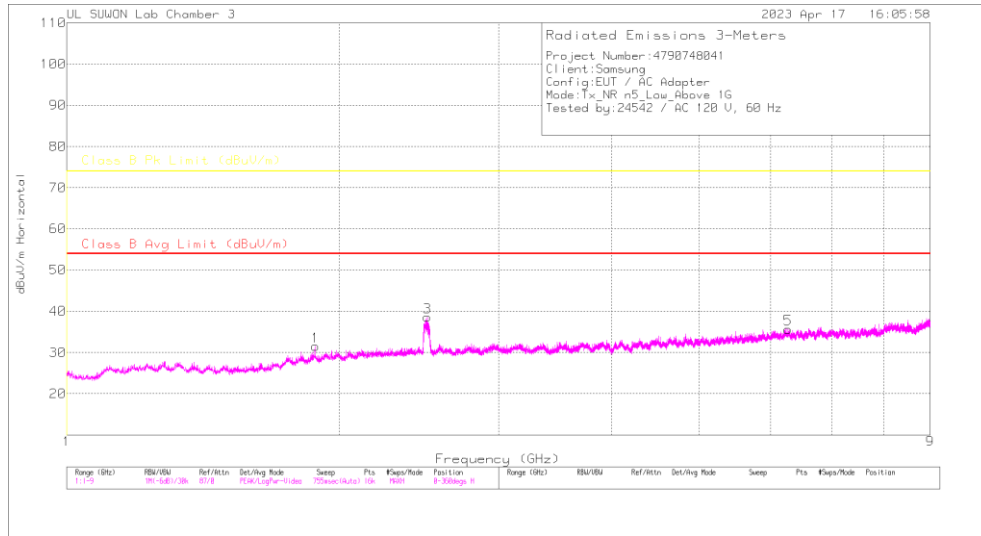
| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00218957 | 1-18GHz(dB) | 1GHz_HP[dB] | Corrected Reading (dBuV/m) | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|-------------|----------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 1.697           | 42.24                | Pk  | 29            | -35.5       | .7          | 36.44                      | -                          | -           | 74                        | -37.56      | 0              | 100         | H        |
| 1.697           | 29.57                | Ca  | 29            | -35.5       | .7          | 23.77                      | 54                         | -30.23      | -                         | -           | 0              | 100         | H        |
| 1.6935          | 41.58                | Pk  | 28.9          | -35.5       | .7          | 35.68                      | -                          | -           | 74                        | -38.32      | 0              | 100         | V        |
| 1.6935          | 29.46                | Ca  | 28.9          | -35.5       | .7          | 23.56                      | 54                         | -30.44      | -                         | -           | 0              | 100         | V        |
| 3.5155          | 39.93                | Pk  | 33            | -33.3       | .6          | 40.23                      | -                          | -           | 74                        | -33.77      | 0              | 100         | H        |
| 3.5155          | 27.88                | Ca  | 33            | -33.3       | .6          | 28.18                      | 54                         | -25.82      | -                         | -           | 0              | 100         | H        |
| 3.528           | 40.12                | Pk  | 33.1          | -33.4       | .6          | 40.42                      | -                          | -           | 74                        | -33.58      | 0              | 100         | V        |
| 3.528           | 27.74                | Ca  | 33.1          | -33.4       | .6          | 28.04                      | 54                         | -25.96      | -                         | -           | 0              | 100         | V        |
| 6.222           | 35.42                | Pk  | 36            | -29         | .5          | 42.92                      | -                          | -           | 74                        | -31.08      | 0              | 100         | H        |
| 6.222           | 23.73                | Ca  | 36            | -29         | .5          | 31.23                      | 54                         | -22.77      | -                         | -           | 0              | 100         | H        |
| 6.227           | 35.71                | Pk  | 36            | -28.9       | .5          | 43.31                      | -                          | -           | 74                        | -30.69      | 0              | 100         | V        |
| 6.227           | 23.72                | Ca  | 36            | -28.9       | .5          | 31.32                      | 54                         | -22.68      | -                         | -           | 0              | 100         | V        |

Pk - Peak detector  
 Ca - CISPR average detection

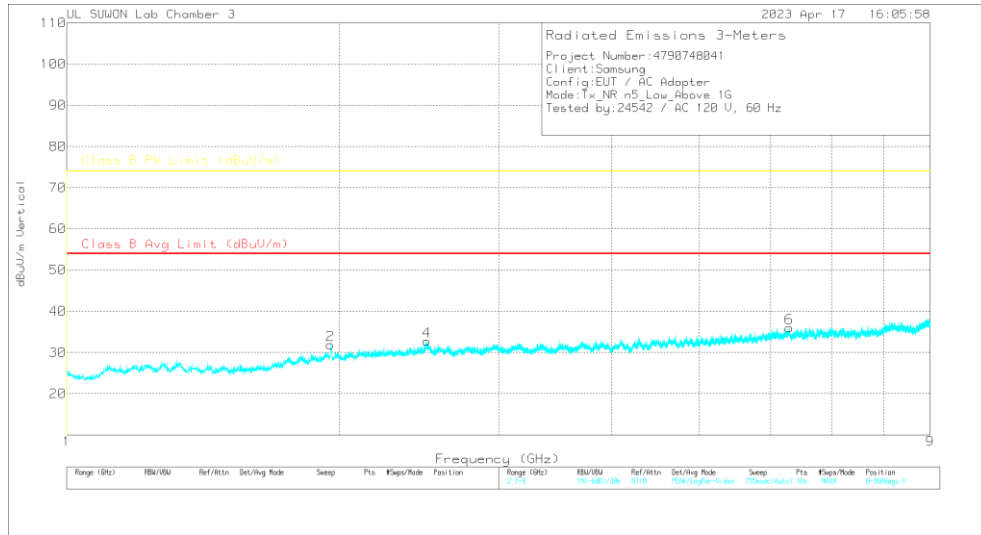
### 7.1.10.Above 1 GHz in the 5G NR n5

#### LOW CHANNEL(874.0 MHz)

#### HORIZONTAL PEAK PLOT



#### VERTICAL PEAK PLOT



#### DATA

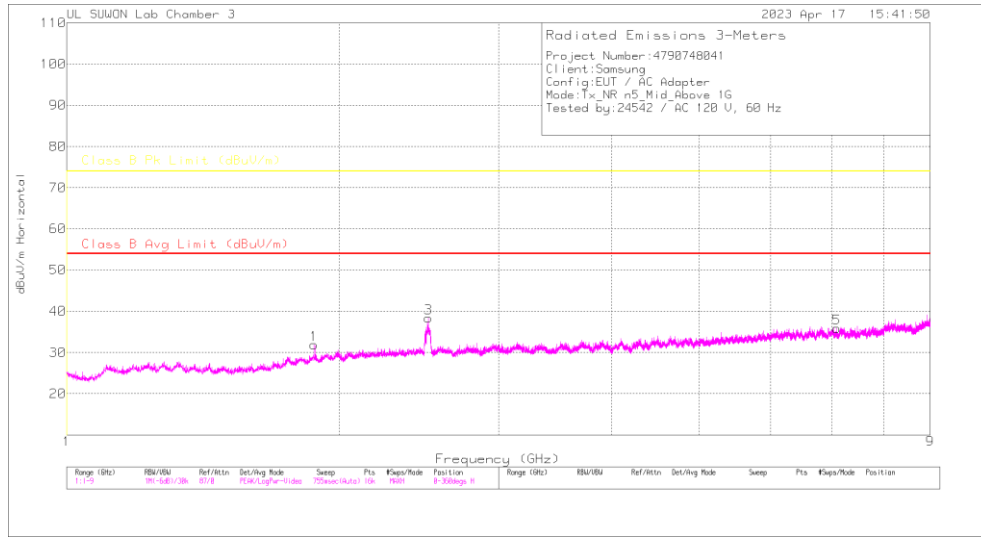
#### Radiated Emissions

| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00218957 | 1-18GHz(dB) | 1GHz_HP[dB] | Corrected Reading dBuV/m | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|-------------|--------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 1.884           | 33.47                | Pk  | 30.8          | -35.3       | .7          | 29.67                    | -                          | -36.07      | 74                        | -44.33      | 0              | 100         | H        |
| 1.884           | 21.73                | Ca  | 30.8          | -35.3       | .7          | 17.93                    | 54                         | -           | -                         | -           | 0              | 100         | H        |
| 1.9565          | 43.57                | Pk  | 31            | -35.2       | .6          | 39.97                    | -                          | -           | 74                        | -34.03      | 0              | 100         | V        |
| 1.9565          | 30.81                | Ca  | 31            | -35.2       | .6          | 27.21                    | 54                         | -26.79      | -                         | -           | 0              | 100         | V        |
| 2.504           | 30.38                | Pk  | 32.4          | -34.7       | .7          | 28.78                    | -                          | -           | 74                        | -45.22      | 0              | 100         | H        |
| 2.504           | 19.42                | Ca  | 32.4          | -34.7       | .7          | 17.82                    | 54                         | -36.18      | -                         | -           | 0              | 100         | H        |
| 2.499           | 41.62                | Pk  | 32.4          | -34.7       | .7          | 40.02                    | -                          | -           | 74                        | -33.98      | 0              | 100         | V        |
| 2.499           | 28.6                 | Ca  | 32.4          | -34.7       | .7          | 27                       | 54                         | -27         | -                         | -           | 0              | 100         | V        |
| 6.271           | 26.25                | Pk  | 36            | -28.8       | .5          | 33.95                    | -                          | -           | 74                        | -40.05      | 0              | 100         | H        |
| 6.271           | 14.59                | Ca  | 36            | -28.8       | .5          | 22.29                    | 54                         | -31.71      | -                         | -           | 0              | 100         | H        |
| 6.289           | 35.76                | Pk  | 36            | -28.9       | .5          | 43.36                    | -                          | -           | 74                        | -30.64      | 0              | 100         | V        |
| 6.289           | 23.59                | Ca  | 36            | -28.9       | .5          | 31.19                    | 54                         | -22.81      | -                         | -           | 0              | 100         | V        |

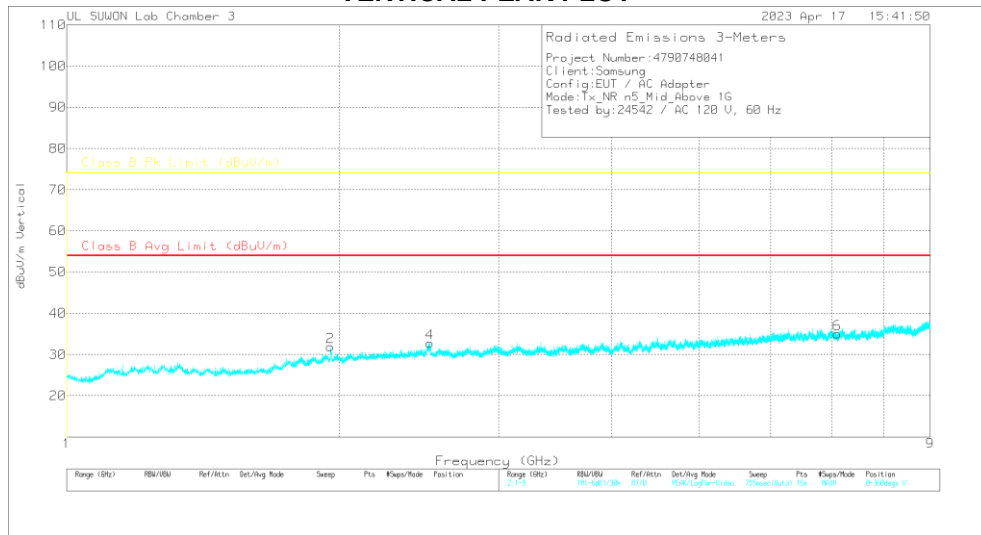
Pk - Peak detector  
 Ca - CISPR average detection

**MID CHANNEL(881.5 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

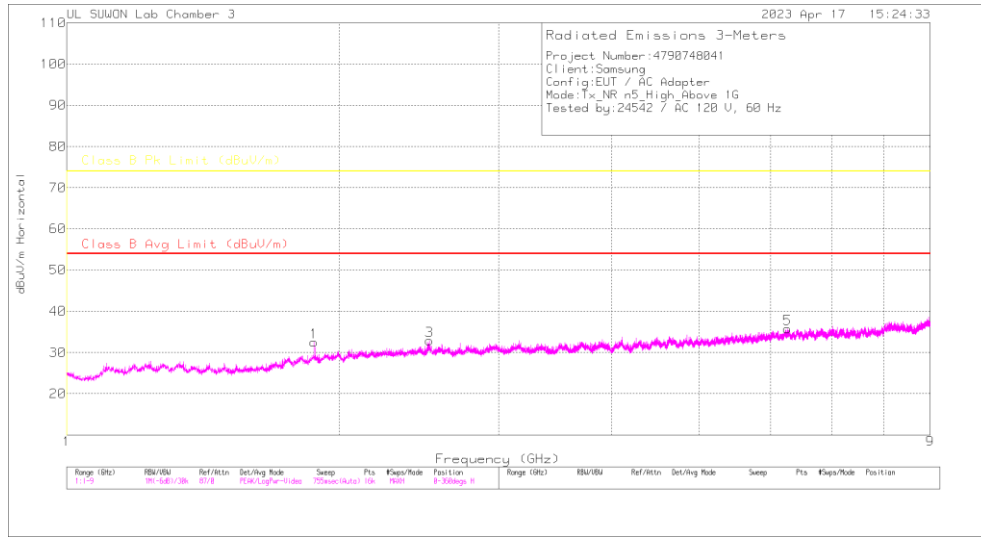
**Radiated Emissions**

| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00218957 | 1-18GHz(dB) | 1GHz_HP[dB] | Corrected Reading (dBuV/m) | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|-------------|----------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 1.876           | 35.6                 | Pk  | 30.7          | -35.3       | .7          | 31.7                       | -                          | -           | 74                        | -42.3       | 0              | 100         | H        |
| 1.876           | 22.7                 | Ca  | 30.7          | -35.3       | .7          | 18.8                       | 54                         | -35.2       | -                         | -           | 0              | 100         | H        |
| 1.957           | 43.11                | Pk  | 31            | -35.2       | .6          | 39.51                      | -                          | -           | 74                        | -34.49      | 0              | 100         | V        |
| 1.957           | 30.76                | Ca  | 31            | -35.2       | .6          | 27.16                      | 54                         | -26.84      | -                         | -           | 0              | 100         | V        |
| 2.511           | 31.19                | Pk  | 32.4          | -34.6       | .7          | 29.69                      | -                          | -           | 74                        | -44.31      | 0              | 100         | H        |
| 2.511           | 19.5                 | Ca  | 32.4          | -34.6       | .7          | 18                         | 54                         | -36         | -                         | -           | 0              | 100         | H        |
| 2.5195          | 40.83                | Pk  | 32.4          | -34.6       | .7          | 39.33                      | -                          | -           | 74                        | -34.67      | 0              | 100         | V        |
| 2.5195          | 28.62                | Ca  | 32.4          | -34.6       | .7          | 27.12                      | 54                         | -26.88      | -                         | -           | 0              | 100         | V        |
| 7.0975          | 23.38                | Pk  | 35.9          | -26.8       | .5          | 32.98                      | -                          | -           | 74                        | -41.02      | 0              | 100         | H        |
| 7.0975          | 12.44                | Ca  | 35.9          | -26.8       | .5          | 22.04                      | 54                         | -31.96      | -                         | -           | 0              | 100         | H        |
| 7.105           | 34.15                | Pk  | 35.9          | -26.8       | .5          | 43.75                      | -                          | -           | 74                        | -30.25      | 0              | 100         | V        |
| 7.105           | 21.19                | Ca  | 35.9          | -26.8       | .5          | 30.79                      | 54                         | -23.21      | -                         | -           | 0              | 100         | V        |

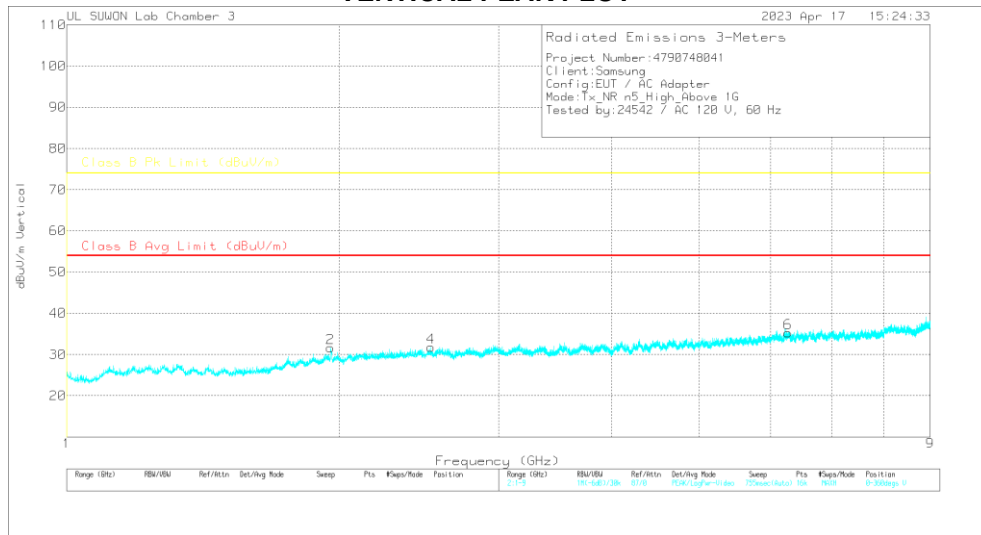
Pk - Peak detector  
 Ca - CISPR average detection

**HIGH CHANNEL(889.0 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

**Radiated Emissions**

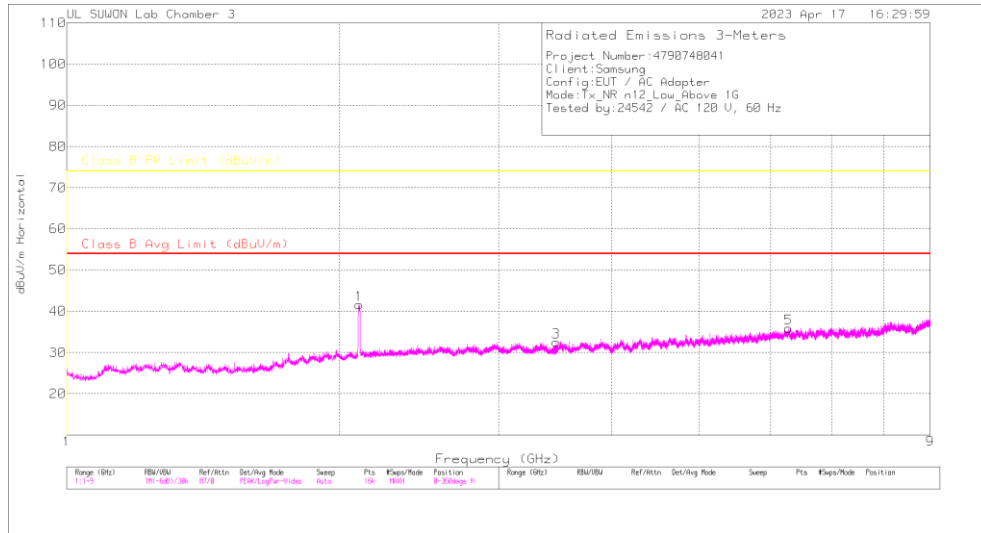
| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00218957 | 1-18GHz(dB) | 1GHz_HP[dB] | Corrected Reading (dBuV/m) | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|-------------|----------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 1.876           | 42.77                | Pk  | 30.7          | -35.3       | .7          | 38.87                      | -                          | -           | 74                        | -35.13      | 0              | 100         | H        |
| 1.876           | 30.09                | Ca  | 30.7          | -35.3       | .7          | 26.19                      | 54                         | -27.81      | -                         | -           | 0              | 100         | H        |
| 1.956           | 42.58                | Pk  | 31            | -35.2       | .6          | 38.98                      | -                          | -           | 74                        | -35.02      | 0              | 100         | V        |
| 1.956           | 30.74                | Ca  | 31            | -35.2       | .6          | 27.14                      | 54                         | -26.86      | -                         | -           | 0              | 100         | V        |
| 2.5175          | 41.05                | Pk  | 32.4          | -34.7       | .7          | 39.45                      | -                          | -           | 74                        | -34.55      | 0              | 100         | H        |
| 2.5175          | 28.42                | Ca  | 32.4          | -34.7       | .7          | 26.62                      | 54                         | -27.18      | -                         | -           | 0              | 100         | H        |
| 2.5265          | 40.78                | Pk  | 32.4          | -34.6       | .7          | 39.28                      | -                          | -           | 74                        | -34.72      | 0              | 100         | V        |
| 2.5265          | 28.39                | Ca  | 32.4          | -34.6       | .7          | 26.89                      | 54                         | -27.11      | -                         | -           | 0              | 100         | V        |
| 6.257           | 35.99                | Pk  | 36            | -28.8       | .5          | 43.69                      | -                          | -           | 74                        | -30.31      | 0              | 100         | H        |
| 6.257           | 23.17                | Ca  | 36            | -28.8       | .5          | 30.87                      | 54                         | -23.13      | -                         | -           | 0              | 100         | H        |
| 6.2715          | 36.09                | Pk  | 36            | -28.9       | .5          | 43.69                      | -                          | -           | 74                        | -30.31      | 0              | 100         | V        |
| 6.2715          | 23.42                | Ca  | 36            | -28.9       | .5          | 31.02                      | 54                         | -22.98      | -                         | -           | 0              | 100         | V        |

Pk - Peak detector  
 Ca - CISPR average detection

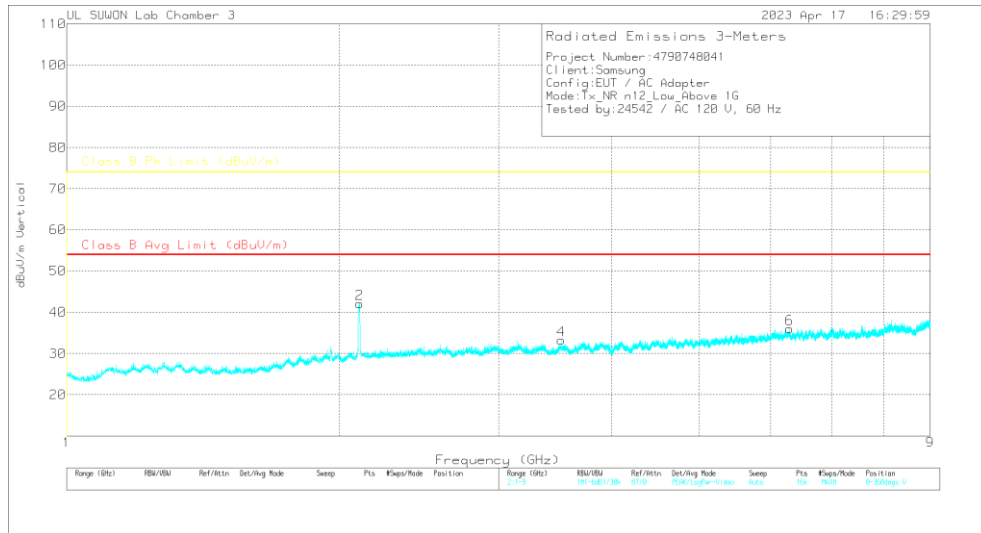
### 7.1.11.Above 1 GHz in the 5G NR n12

#### LOW CHANNEL(731.5 MHz)

#### HORIZONTAL PEAK PLOT



#### VERTICAL PEAK PLOT



#### DATA

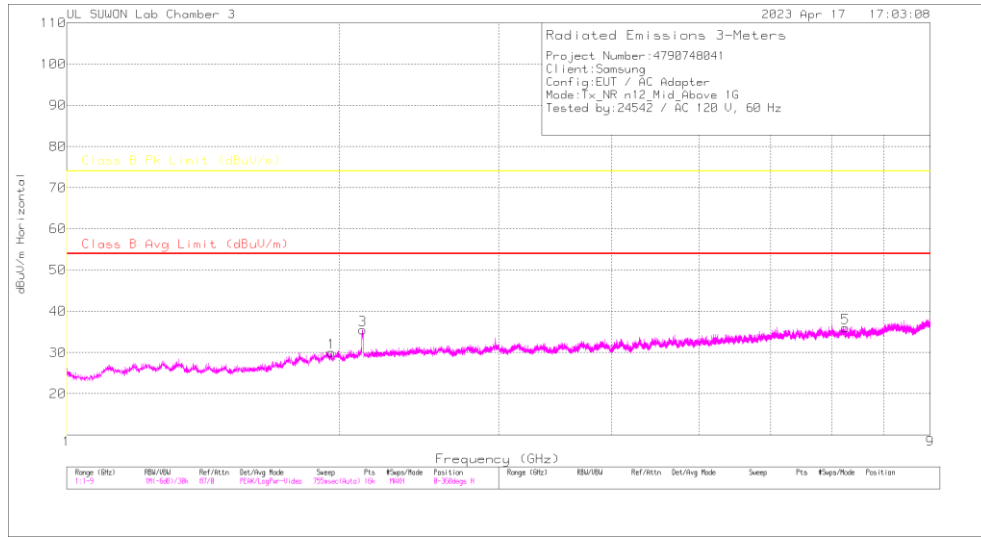
#### Radiated Emissions

| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00218957 | 1-18GHz(dB) | 1GHz_HP[dB] | Corrected Reading dBuV/m | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|-------------|--------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 2.105           | 48.27                | Pk  | 31.5          | -34.9       | .7          | 45.57                    | -                          | -           | 74                        | -28.43      | 161            | 112         | H        |
| 2.105           | 37.37                | Ca  | 31.5          | -34.9       | .7          | 34.67                    | 54                         | -19.33      | -                         | -           | 161            | 112         | H        |
| 2.107           | 40.07                | Pk  | 31.5          | -34.9       | .7          | 37.37                    | -                          | -           | 74                        | -36.63      | 216            | 100         | V        |
| 2.107           | 28.68                | Ca  | 31.5          | -34.9       | .7          | 25.98                    | 54                         | -28.02      | -                         | -           | 216            | 100         | V        |
| 3.4725          | 40.73                | Pk  | 32.9          | -33.5       | .6          | 40.73                    | -                          | -           | 74                        | -33.27      | 0              | 100         | H        |
| 3.4725          | 26.92                | Ca  | 32.9          | -33.5       | .6          | 26.92                    | 54                         | -27.08      | -                         | -           | 0              | 100         | H        |
| 3.5205          | 30.14                | Pk  | 33            | -33.3       | .6          | 30.44                    | -                          | -           | 74                        | -43.56      | 0              | 100         | V        |
| 3.5205          | 18.89                | Ca  | 33            | -33.3       | .6          | 19.19                    | 54                         | -34.81      | -                         | -           | 0              | 100         | V        |
| 6.2785          | 36.06                | Pk  | 36            | -28.8       | .5          | 43.76                    | -                          | -           | 74                        | -30.24      | 0              | 100         | H        |
| 6.2785          | 23.63                | Ca  | 36            | -28.8       | .5          | 31.33                    | 54                         | -22.67      | -                         | -           | 0              | 100         | H        |
| 6.2905          | 27.47                | Pk  | 36            | -28.9       | .5          | 35.07                    | -                          | -           | 74                        | -38.93      | 0              | 100         | V        |
| 6.2905          | 14.69                | Ca  | 36            | -28.9       | .5          | 22.29                    | 54                         | -31.71      | -                         | -           | 0              | 100         | V        |

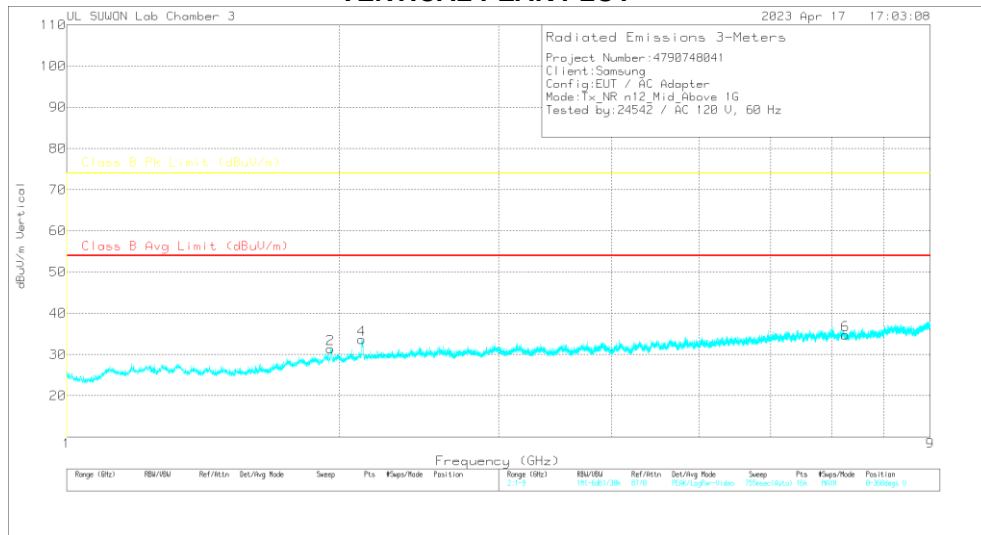
Pk - Peak detector  
 Ca - CISPR average detection

**MID CHANNEL(737.5 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

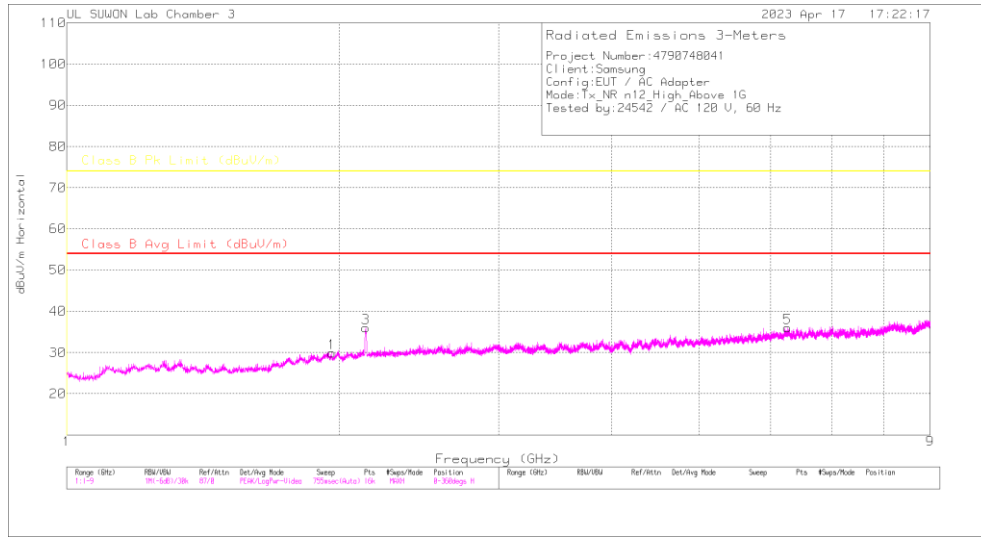
**Radiated Emissions**

| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00218957 | 1-18GHz(dB) | 1GHz_HP[dB] | Corrected Reading (dBuV/m) | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|-------------|----------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 1.9605          | 41.3                 | Pk  | 31            | -35.2       | .6          | 37.7                       | -                          | -           | 74                        | -36.3       | 0              | 100         | H        |
| 1.9605          | 28.7                 | Ca  | 31            | -35.2       | .6          | 25.1                       | -                          | -28.9       | -                         | -           | 0              | 100         | H        |
| 1.956           | 33.64                | Pk  | 31            | -35.2       | .6          | 30.04                      | -                          | -           | 74                        | -43.96      | 0              | 100         | V        |
| 1.956           | 21.99                | Ca  | 31            | -35.2       | .6          | 18.39                      | -                          | -35.61      | -                         | -           | 0              | 100         | V        |
| 2.125           | 42.82                | Pk  | 31.5          | -34.8       | .7          | 40.22                      | -                          | -           | 74                        | -33.78      | 0              | 100         | H        |
| 2.125           | 31.34                | Ca  | 31.5          | -34.8       | .7          | 28.74                      | -                          | -25.26      | -                         | -           | 0              | 100         | H        |
| 2.1185          | 30.9                 | Pk  | 31.5          | -34.9       | .7          | 28.2                       | -                          | -           | 74                        | -45.8       | 0              | 100         | V        |
| 2.1185          | 20.17                | Ca  | 31.5          | -34.9       | .7          | 17.47                      | -                          | -36.53      | -                         | -           | 0              | 100         | V        |
| 7.254           | 33.24                | Pk  | 35.8          | -26.4       | .5          | 43.14                      | -                          | -           | 74                        | -30.86      | 0              | 100         | H        |
| 7.254           | 20.86                | Ca  | 35.8          | -26.4       | .5          | 30.76                      | -                          | -23.24      | -                         | -           | 0              | 100         | H        |
| 7.257           | 23.27                | Pk  | 35.8          | -26.4       | .5          | 33.17                      | -                          | -           | 74                        | -40.83      | 0              | 100         | V        |
| 7.257           | 11.92                | Ca  | 35.8          | -26.4       | .5          | 21.82                      | -                          | -32.18      | -                         | -           | 0              | 100         | V        |

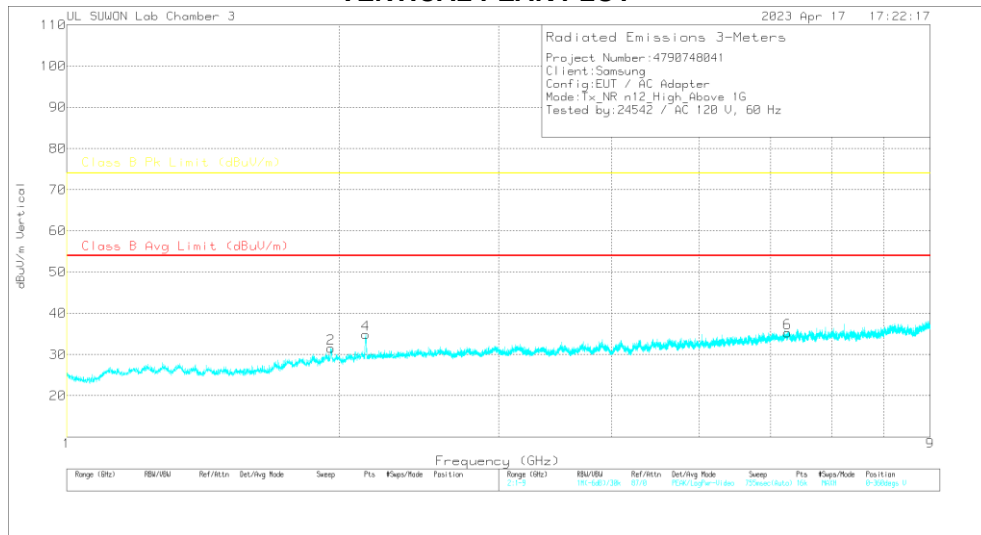
Pk - Peak detector  
 Ca - CISPR average detection

**HIGH CHANNEL(743.5 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

**Radiated Emissions**

| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00218957 | 1-18GHz(dB) | 1GHz_HP[dB] | Corrected Reading (dBuV/m) | Class B Avg Limit (dBuV/m) | Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|-------------|----------------------------|----------------------------|-------------|---------------------------|-------------|----------------|-------------|----------|
| 1.9635          | 41.19                | Pk  | 31            | -35.2       | .6          | 37.59                      | -                          | -           | 74                        | -36.41      | 0              | 100         | H        |
| 1.9635          | 28.68                | Ca  | 31            | -35.2       | .6          | 25.08                      | 54                         | -28.92      | -                         | -           | 0              | 100         | H        |
| 1.958           | 43.34                | Pk  | 31            | -35.2       | .6          | 39.74                      | -                          | -           | 74                        | -34.26      | 0              | 100         | V        |
| 1.958           | 30.77                | Ca  | 31            | -35.2       | .6          | 27.17                      | 54                         | -26.83      | -                         | -           | 0              | 100         | V        |
| 2.1395          | 44.64                | Pk  | 31.5          | -34.7       | .7          | 42.14                      | -                          | -           | 74                        | -31.86      | 0              | 100         | H        |
| 2.1395          | 32.74                | Ca  | 31.5          | -34.7       | .7          | 30.24                      | 54                         | -23.76      | -                         | -           | 0              | 100         | H        |
| 2.1415          | 41.39                | Pk  | 31.5          | -34.7       | .7          | 38.89                      | -                          | -           | 74                        | -35.11      | 0              | 100         | V        |
| 2.1415          | 28.54                | Ca  | 31.5          | -34.7       | .7          | 26.04                      | 54                         | -27.96      | -                         | -           | 0              | 100         | V        |
| 6.257           | 36.41                | Pk  | 36            | -28.8       | .5          | 44.11                      | -                          | -           | 74                        | -29.89      | 0              | 100         | V        |
| 6.2565          | 35.44                | Pk  | 36            | -28.8       | .5          | 43.14                      | -                          | -           | 74                        | -30.86      | 0              | 100         | H        |
| 6.2565          | 23.26                | Ca  | 36            | -28.8       | .5          | 30.96                      | 54                         | -23.04      | -                         | -           | 0              | 100         | H        |
| 6.257           | 23.29                | Ca  | 36            | -28.8       | .5          | 30.99                      | 54                         | -23.01      | -                         | -           | 0              | 100         | V        |

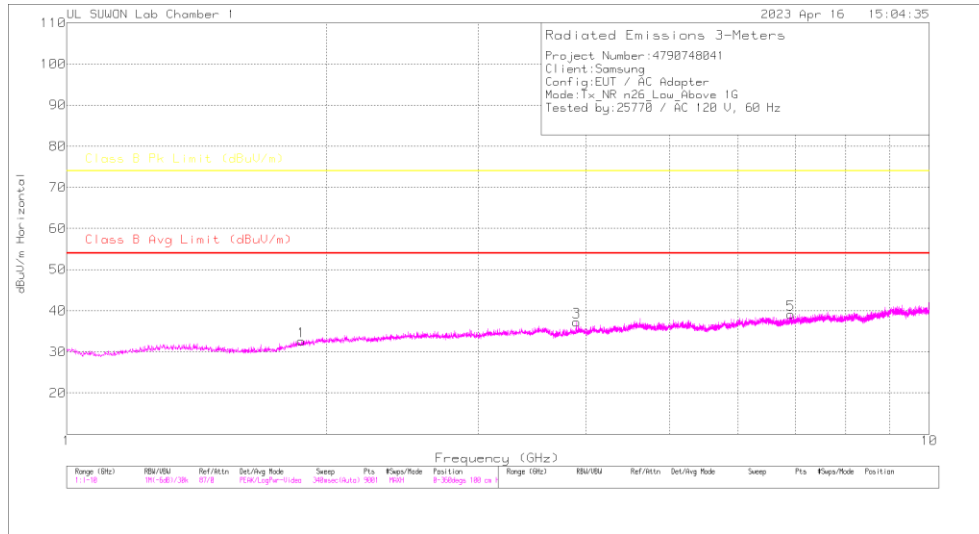
Pk - Peak detector  
 Ca - CISPR average detection



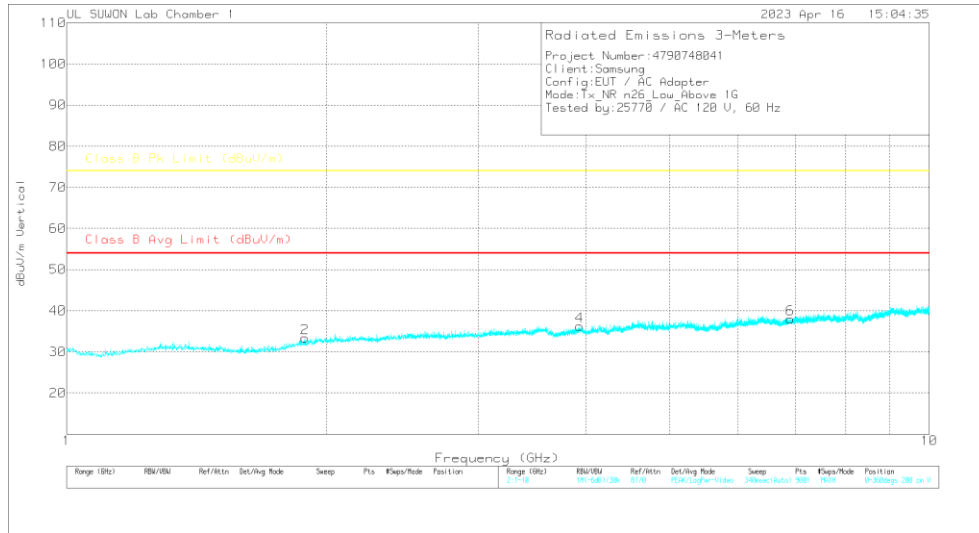
### 7.1.12.Above 1 GHz in the 5G NR n26

#### LOW CHANNEL(871.5 MHz)

#### HORIZONTAL PEAK PLOT



#### VERTICAL PEAK PLOT



#### DATA

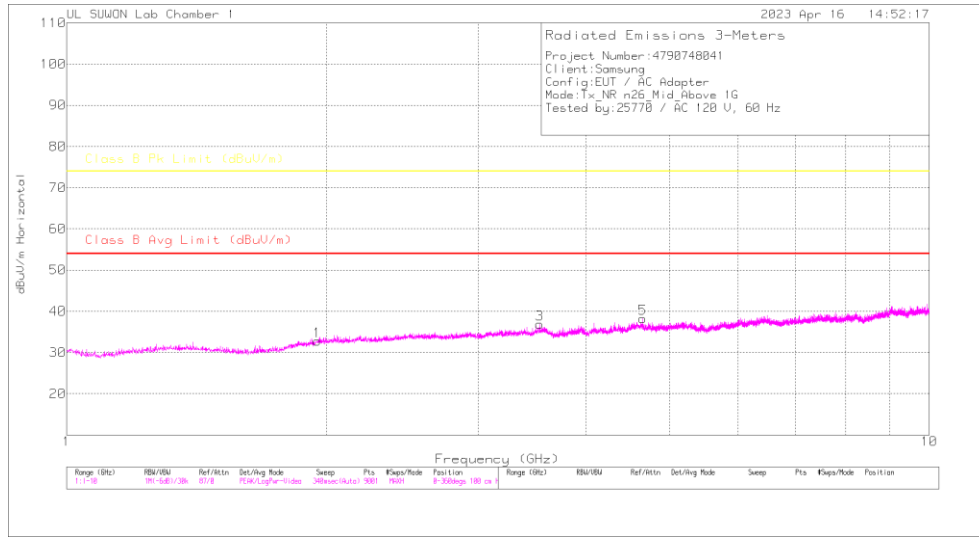
#### Radiated Emissions

| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_0016871 7 | 1-18GHz(dB) | 1G HPF[dB] | Corrected Reading dBuV/m | Class B Avg Limit (dBuV/m) | Av(CISPR)Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|----------------|-------------|------------|--------------------------|----------------------------|----------------------|---------------------------|-------------|----------------|-------------|----------|
| 1.871           | 47.32                | Pk  | 30.5           | -38.7       | .6         | 39.72                    | -                          | -26.32               | 74                        | -34.28      | 0              | 100         | H        |
| 1.871           | 35.28                | Ca  | 30.5           | -38.7       | .6         | 27.68                    | 54                         | -                    | -                         | -           | 0              | 100         | H        |
| 1.888           | 47.28                | Pk  | 30.6           | -38.6       | .6         | 39.68                    | -                          | -                    | 74                        | -34.12      | 0              | 100         | V        |
| 1.888           | 35.19                | Ca  | 30.6           | -38.6       | .6         | 27.79                    | 54                         | -26.21               | -                         | -           | 0              | 100         | V        |
| 3.901           | 42.71                | Pk  | 34             | -34.7       | .6         | 42.61                    | -                          | -                    | 74                        | -31.39      | 0              | 100         | H        |
| 3.901           | 30.86                | Ca  | 34             | -34.7       | .6         | 30.76                    | 54                         | -23.24               | -                         | -           | 0              | 100         | H        |
| 3.934           | 44.06                | Pk  | 34             | -34.6       | .5         | 43.96                    | -                          | -                    | 74                        | -30.04      | 0              | 100         | V        |
| 3.934           | 30.94                | Ca  | 34             | -34.6       | .5         | 30.84                    | 54                         | -23.16               | -                         | -           | 0              | 100         | V        |
| 6.907           | 40.12                | Pk  | 35.6           | -30.9       | .4         | 45.22                    | -                          | -                    | 74                        | -28.78      | 0              | 100         | H        |
| 6.907           | 28.44                | Ca  | 35.6           | -30.9       | .4         | 33.54                    | 54                         | -20.46               | -                         | -           | 0              | 100         | H        |
| 6.905           | 39.98                | Pk  | 35.6           | -30.9       | .4         | 45.08                    | -                          | -                    | 74                        | -28.92      | 0              | 100         | V        |
| 6.905           | 28.45                | Ca  | 35.6           | -30.9       | .4         | 33.55                    | 54                         | -20.45               | -                         | -           | 0              | 100         | V        |

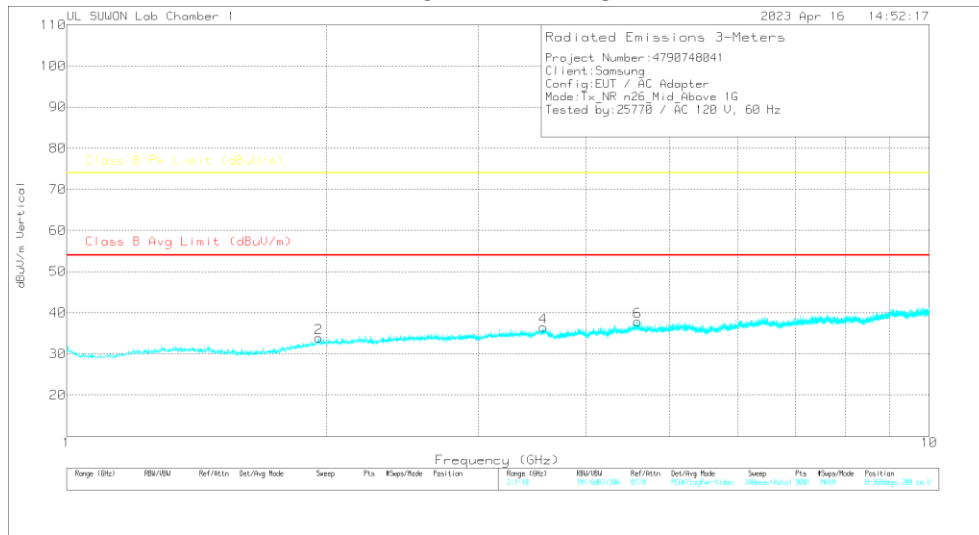
Pk - Peak detector  
 Ca - CISPR average detection

**MID CHANNEL(876.5 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

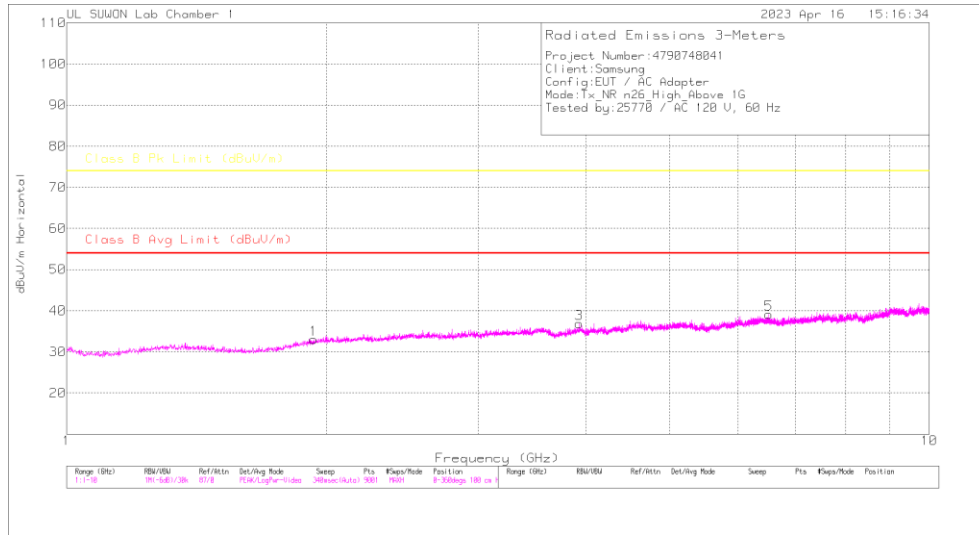
**Radiated Emissions**

| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_0016871 7 | 1-18GHz(dB) | 1G HPF[dB] | Corrected Reading dBuV/m | Class B Avg Limit (dBuV/m) | Av(CISPR)Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|----------------|-------------|------------|--------------------------|----------------------------|----------------------|---------------------------|-------------|----------------|-------------|----------|
| 1.953           | 47.58                | Pk  | 31.2           | -38.5       | .6         | 40.88                    | -                          | -                    | 74                        | -33.12      | 0              | 100         | H        |
| 1.953           | 35.2                 | Ca  | 31.2           | -38.5       | .6         | 28.5                     | -                          | -25.5                | -                         | -           | 0              | 100         | H        |
| 1.96            | 47.57                | Pk  | 31.2           | -38.5       | .6         | 40.87                    | -                          | -                    | 74                        | -33.13      | 0              | 100         | V        |
| 1.96            | 35.24                | Ca  | 31.2           | -38.5       | .6         | 28.54                    | -                          | -25.46               | -                         | -           | 0              | 100         | V        |
| 3.537           | 44.94                | Pk  | 33.3           | -35.5       | .5         | 43.24                    | -                          | -                    | 74                        | -30.76      | 0              | 100         | H        |
| 3.537           | 32.62                | Ca  | 33.3           | -35.5       | .5         | 30.92                    | -                          | -23.08               | -                         | -           | 0              | 100         | H        |
| 3.568           | 44.35                | Pk  | 33.5           | -35.5       | .6         | 42.95                    | -                          | -                    | 74                        | -31.05      | 0              | 100         | V        |
| 3.568           | 32.37                | Ca  | 33.5           | -35.5       | .6         | 30.97                    | -                          | -23.03               | -                         | -           | 0              | 100         | V        |
| 4.653           | 43.64                | Pk  | 34.3           | -34.2       | .4         | 44.14                    | -                          | -                    | 74                        | -29.86      | 0              | 100         | H        |
| 4.653           | 31.58                | Ca  | 34.3           | -34.2       | .4         | 32.08                    | -                          | -21.92               | -                         | -           | 0              | 100         | H        |
| 4.591           | 43.1                 | Pk  | 34.3           | -34.4       | .4         | 43.4                     | -                          | -                    | 74                        | -30.6       | 0              | 100         | V        |
| 4.591           | 31.35                | Ca  | 34.3           | -34.4       | .4         | 31.65                    | -                          | -22.35               | -                         | -           | 0              | 100         | V        |

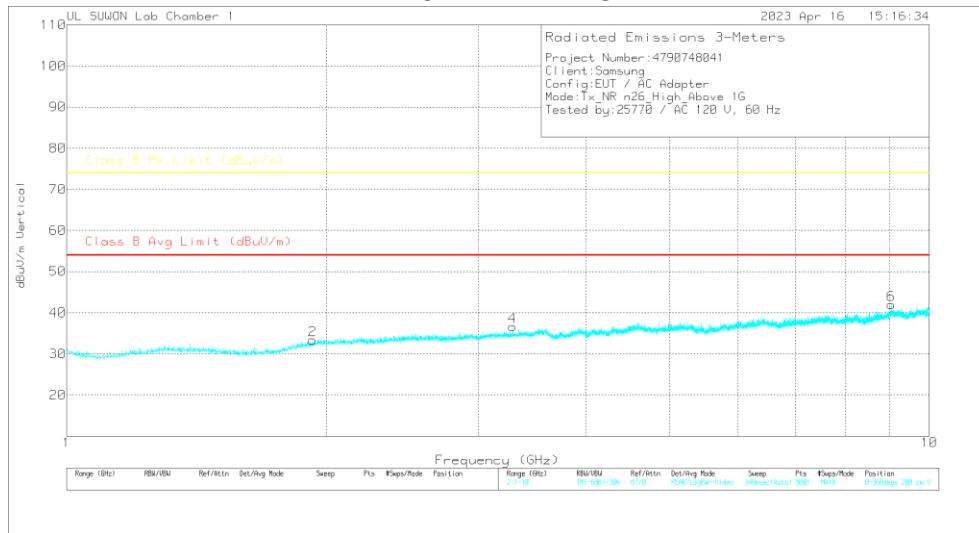
Pk - Peak detector  
 Ca - CISPR average detection

**HIGH CHANNEL(891.5 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

**Radiated Emissions**

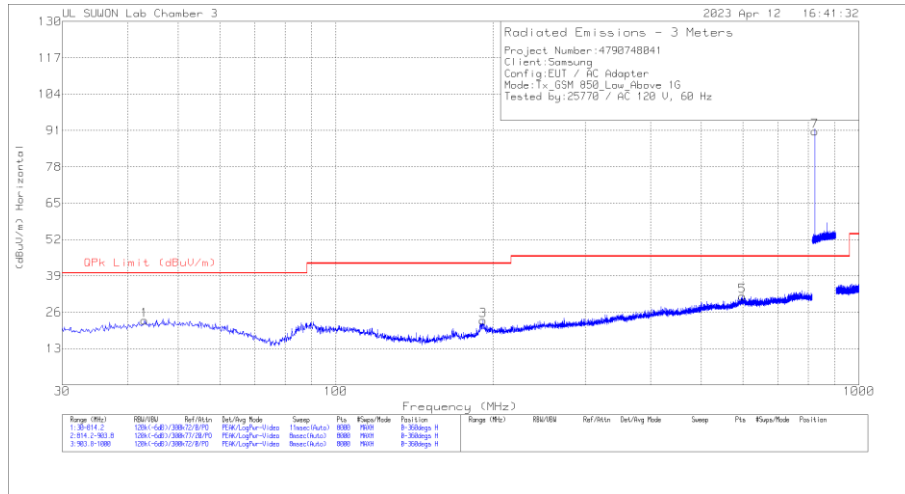
| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_0016871 7 | 1-18GHz(dB) | 1G HPF[dB] | Corrected Reading dBuV/m | Class B Avg Limit (dBuV/m) | Av(CISPR)Margin (dB) | Class B Pk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|----------------|-------------|------------|--------------------------|----------------------------|----------------------|---------------------------|-------------|----------------|-------------|----------|
| 1.934           | 47.36                | Pk  | 31             | -38.6       | .7         | 40.46                    | -                          | -                    | 74                        | -33.54      | 0              | 100         | H        |
| 1.934           | 35.03                | Ca  | 31             | -38.6       | .7         | 28.13                    | -                          | -25.87               | -                         | -           | 0              | 100         | H        |
| 1.928           | 47.2                 | Pk  | 31             | -38.6       | .7         | 40.3                     | -                          | -                    | 74                        | -33.7       | 0              | 100         | V        |
| 1.928           | 35.05                | Ca  | 31             | -38.6       | .7         | 28.15                    | -                          | -25.85               | -                         | -           | 0              | 100         | V        |
| 3.928           | 42.84                | Pk  | 34             | -34.6       | .5         | 42.74                    | -                          | -                    | 74                        | -31.26      | 0              | 100         | H        |
| 3.928           | 30.93                | Ca  | 34             | -34.6       | .5         | 30.83                    | -                          | -23.17               | -                         | -           | 0              | 100         | H        |
| 3.287           | 45.17                | Pk  | 33             | -36.5       | .6         | 42.27                    | -                          | -                    | 74                        | -31.73      | 0              | 100         | V        |
| 3.287           | 33.26                | Ca  | 33             | -36.5       | .6         | 30.36                    | -                          | -23.64               | -                         | -           | 0              | 100         | V        |
| 6.518           | 40.98                | Pk  | 35.3           | -31.3       | .4         | 45.38                    | -                          | -                    | 74                        | -28.62      | 0              | 100         | H        |
| 6.518           | 28.94                | Ca  | 35.3           | -31.3       | .4         | 33.34                    | -                          | -20.66               | -                         | -           | 0              | 100         | H        |
| 9.034           | 39.24                | Pk  | 36.5           | -28.4       | .7         | 48.04                    | -                          | -                    | 74                        | -25.96      | 0              | 100         | V        |
| 9.034           | 27.26                | Ca  | 36.5           | -28.4       | .7         | 36.06                    | -                          | -17.94               | -                         | -           | 0              | 100         | V        |

Pk - Peak detector  
 Ca - CISPR average detection

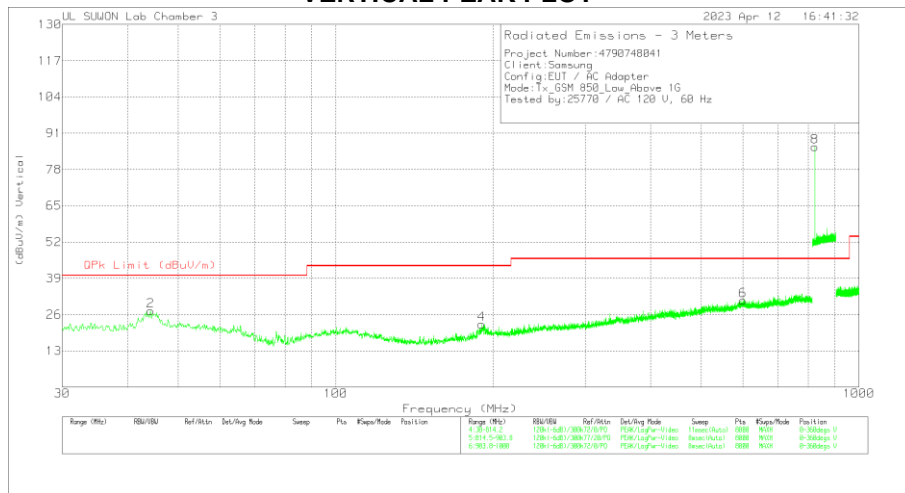
### 7.1.13. Below 1 GHz in the GSM850

#### LOW CHANNEL(869.2 MHz)

#### HORIZONTAL PEAK PLOT



#### VERTICAL PEAK PLOT



#### DATA

##### Trace Markers

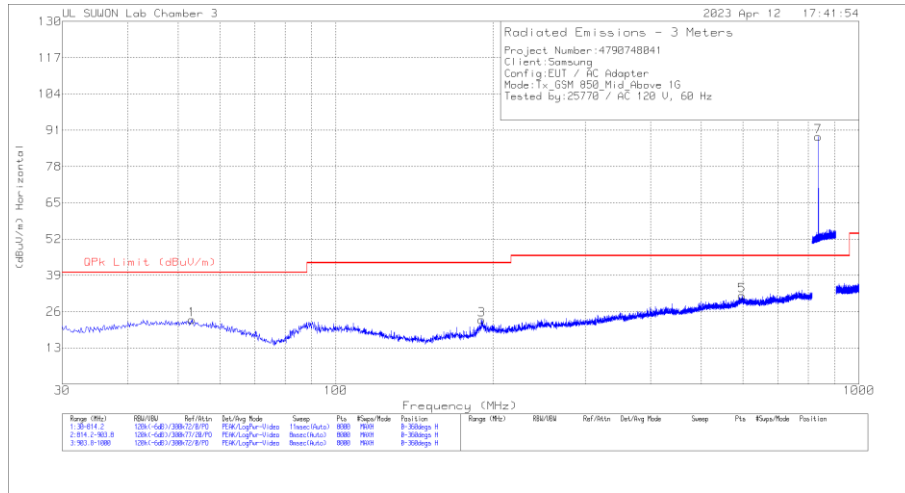
| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | VULB9163_845 | Below_1G_Bypass (dB) | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|--------------|----------------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 1      | 43.137          | 2.83                 | Pk  | 19.4         | .9                   | 23.13                      | 40                 | -16.87      | 0-360          | 400         | H        |
| 3      | 191.1728        | 4.99                 | Pk  | 16.2         | 1.9                  | 23.09                      | 43.52              | -20.43      | 0-360          | 200         | H        |
| 5      | 599.3989        | 3.99                 | Pk  | 24.3         | 3.4                  | 31.69                      | 46.02              | -14.33      | 0-360          | 200         | H        |
| 7      | 824.2025        | 60.64                | Pk  | 26.1         | 4                    | 90.74                      | 46.02              | 44.72       | 0-360          | 100         | H        |
| 2      | 44.3134         | 6.98                 | Pk  | 19.5         | .9                   | 27.38                      | 40                 | -12.62      | 0-360          | 100         | V        |
| 4      | 190.1925        | 4.59                 | Pk  | 16.1         | 1.9                  | 22.59                      | 43.52              | -20.93      | 0-360          | 100         | V        |
| 6      | 600.3793        | 3.39                 | Pk  | 24.3         | 3.4                  | 31.09                      | 46.02              | -14.93      | 0-360          | 100         | V        |
| 8      | 824.2127        | 55.98                | Pk  | 26.1         | 4                    | 86.08                      | 46.02              | 40.06       | 0-360          | 200         | V        |

Pk - Peak detector

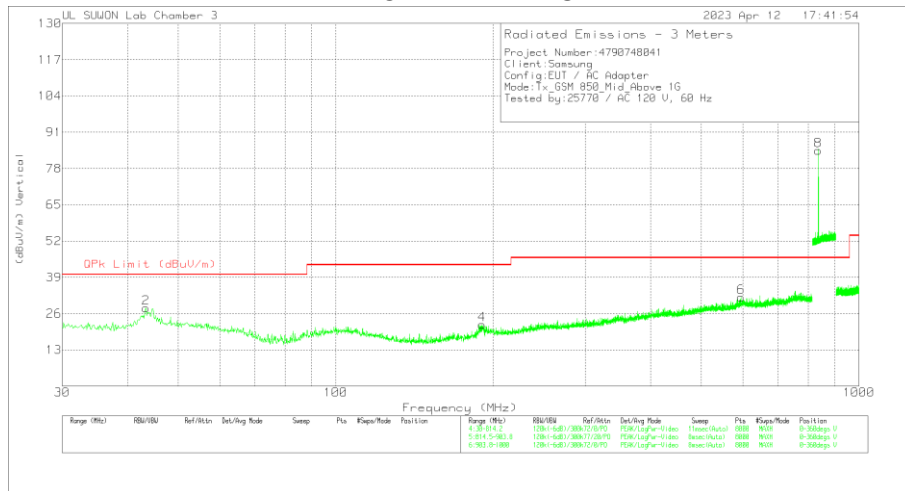
Note: Unwanted emissions captured from 824MHz to 849MHz and from 869MHz to 894MHz were the TX and RX signals generated from the call-simulator.

**MID CHANNEL(881.6 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

**Trace Markers**

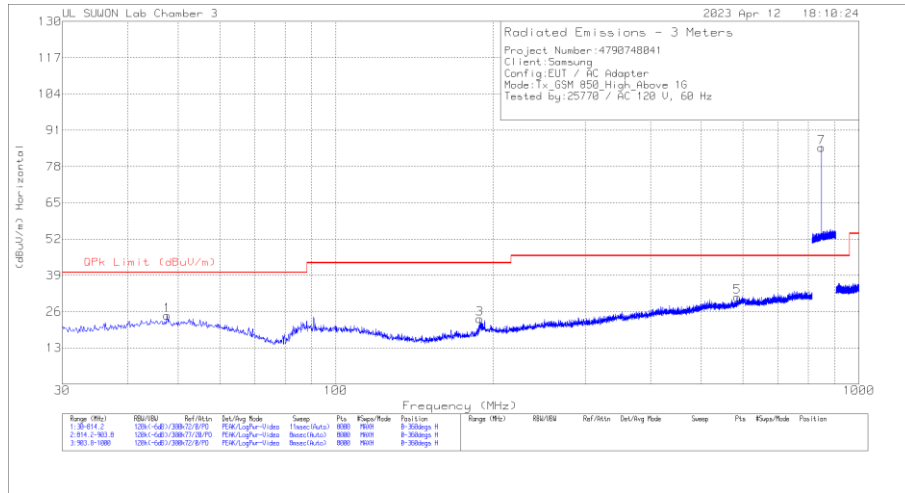
| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | VULB9163_845 | Below_1G_Bypass (dB) | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|--------------|----------------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 1      | 53.1367         | 2.58                 | Pk  | 19.6         | 1                    | 23.18                      | 40                 | -16.82      | 0-360          | 300         | H        |
| 3      | 189.8983        | 5.12                 | Pk  | 16.1         | 1.9                  | 23.12                      | 43.52              | -20.4       | 0-360          | 100         | H        |
| 5      | 597.4382        | 4.08                 | Pk  | 24.3         | 3.4                  | 31.78                      | 46.02              | -14.24      | 0-360          | 300         | H        |
| 7      | 836.602         | 58.43                | Pk  | 26.3         | 4                    | 88.73                      | 46.02              | 42.71       | 0-360          | 100         | H        |
| 2      | 43.333          | 7.68                 | Pk  | 19.4         | .9                   | 27.98                      | 40                 | -12.02      | 0-360          | 200         | V        |
| 4      | 190.3885        | 4.15                 | Pk  | 16.1         | 1.9                  | 22.15                      | 43.52              | -21.37      | 0-360          | 200         | V        |
| 6      | 595.3794        | 4.29                 | Pk  | 24.3         | 3.4                  | 31.99                      | 46.02              | -14.03      | 0-360          | 400         | V        |
| 8      | 836.6047        | 54.12                | Pk  | 26.3         | 4                    | 84.42                      | 46.02              | 38.4        | 0-360          | 200         | V        |

Pk - Peak detector

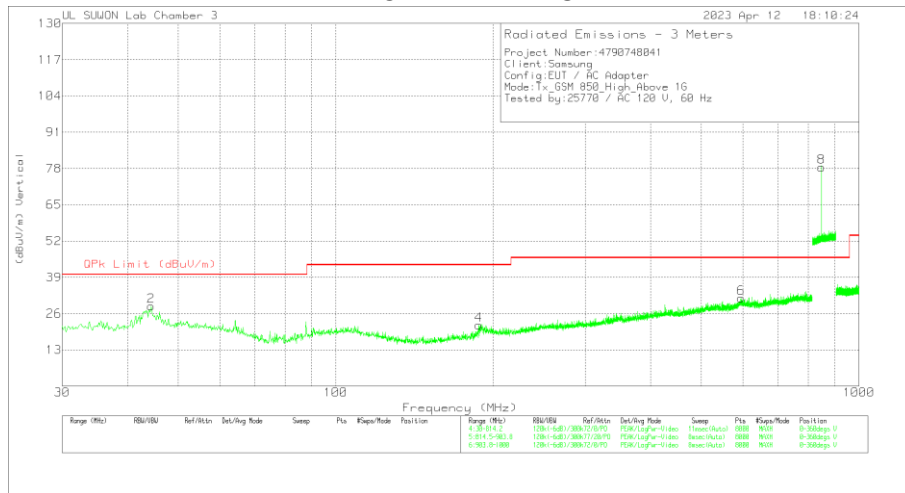
Note: Unwanted emissions captured from 824MHz to 849MHz and from 869MHz to 894MHz were the TX and RX signals generated from the call-simulator.

**HIGH CHANNEL(893.8 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

**Trace Markers**

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | VULB9163_845 | Below_1G_Bypass (dB) | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|--------------|----------------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 1      | 47.6467         | 4.01                 | Pk  | 19.8         | .9                   | 24.71                      | 40                 | -15.29      | 0-360          | 100         | H        |
| 3      | 188.4278        | 5.74                 | Pk  | 15.8         | 1.9                  | 23.44                      | 43.52              | -20.08      | 0-360          | 100         | H        |
| 5      | 584.7914        | 4.12                 | Pk  | 23.9         | 3.3                  | 31.32                      | 46.02              | -14.7       | 0-360          | 100         | H        |
| 7      | 848.8223        | 54.2                 | Pk  | 26.6         | 4                    | 84.8                       | 46.02              | 38.78       | 0-360          | 200         | H        |
| 2      | 44.4114         | 8.34                 | Pk  | 19.5         | .9                   | 28.74                      | 40                 | -11.26      | 0-360          | 200         | V        |
| 4      | 187.5455        | 4.34                 | Pk  | 15.8         | 1.8                  | 21.94                      | 43.52              | -21.58      | 0-360          | 200         | V        |
| 6      | 595.7715        | 3.84                 | Pk  | 24.3         | 3.4                  | 31.54                      | 46.02              | -14.48      | 0-360          | 300         | V        |
| 8      | 848.807         | 47.85                | PK  | 26.6         | 4                    | 78.45                      | 46.02              | 32.43       | 0-360          | 100         | V        |

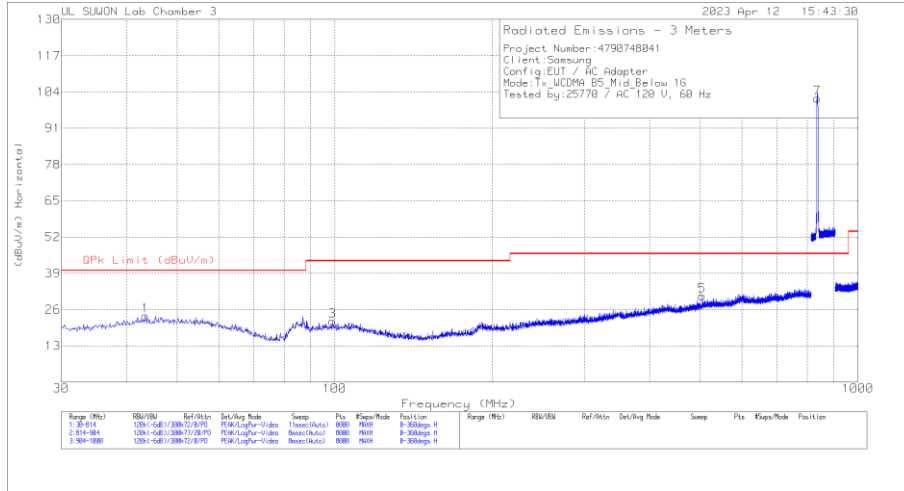
Pk - Peak detector

Note: Unwanted emissions captured from 824MHz to 849MHz and from 869MHz to 894MHz were the TX and RX signals generated from the call-simulator.

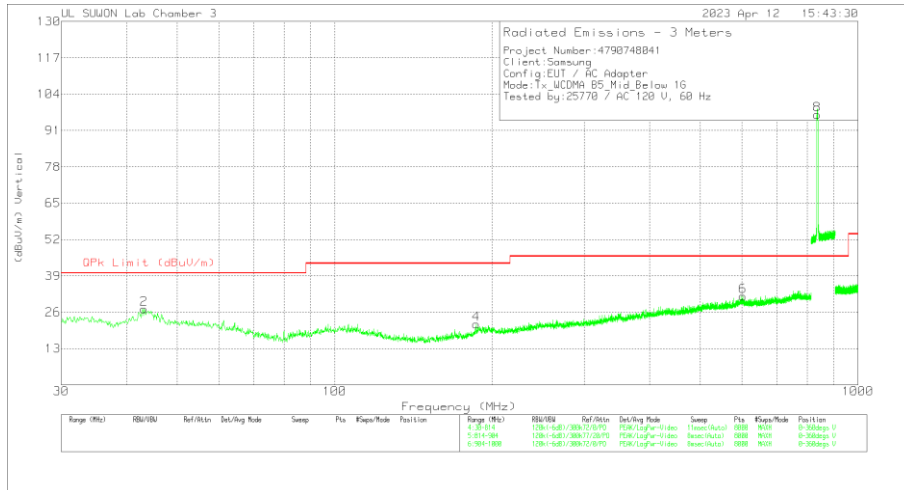
### 7.1.14. Below 1 GHz in the WCDMA Band 5

#### MID CHANNEL(881.6 MHz)

#### HORIZONTAL PEAK PLOT



#### VERTICAL PEAK PLOT



#### DATA

##### Trace Markers

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | VULB9163_845 | Below_1G_Bypass (dB) | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB)  | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|--------------|----------------------|----------------------------|--------------------|--------------|----------------|-------------|----------|
| 1      | 43.4276         | 3.41                 | Pk  | 19.4         | .9                   | 23.71                      | 40                 | -16.29       | 0-360          | 200         | H        |
| 3      | 98.9024         | 3.41                 | Pk  | 17.2         | 1.3                  | 21.91                      | 43.52              | -21.61       | 0-360          | 200         | H        |
| 5      | 504.2801        | 5.22                 | Pk  | 22.6         | 3.1                  | 30.92                      | 46.02              | -15.1        | 0-360          | 200         | H        |
| 7      | 836.6595        | 71.5                 | Pk  | 26.3         | 4                    | 101.8                      | <b>46.02</b>       | <b>55.78</b> | 0-360          | 200         | H        |
| 2      | 43.2316         | 6.83                 | Pk  | 19.4         | .9                   | 27.13                      | 40                 | -12.87       | 0-360          | 200         | V        |
| 4      | 186.3291        | 4.39                 | Pk  | 15.6         | 1.8                  | 21.79                      | 43.52              | -21.73       | 0-360          | 200         | V        |
| 6      | 602.4881        | 4.05                 | Pk  | 24.3         | 3.4                  | 31.75                      | 46.02              | -14.27       | 0-360          | 400         | V        |
| 8      | 836.637         | 66.38                | Pk  | 26.3         | 4                    | 96.68                      | <b>46.02</b>       | <b>50.66</b> | 0-360          | 100         | V        |

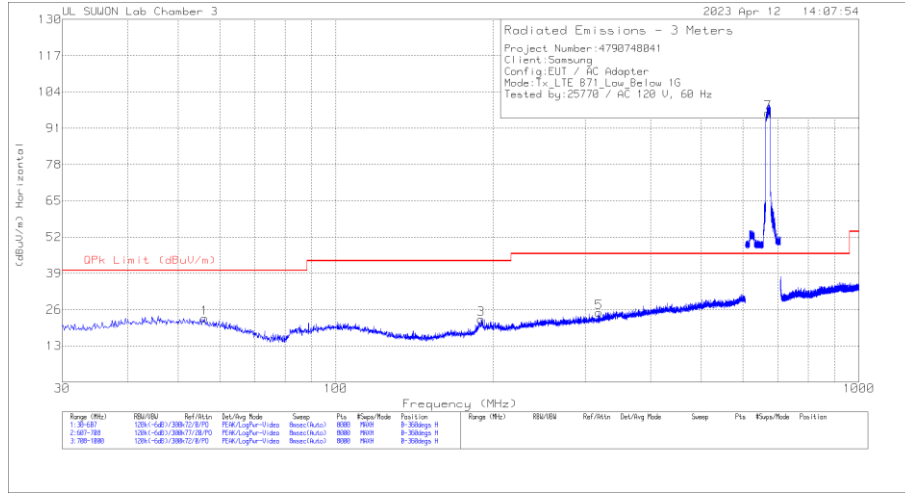
Pk - Peak detector

Note: Unwanted emissions captured from 824MHz to 849MHz and from 869MHz to 894MHz were the TX and RX signals generated from the call-simulator.

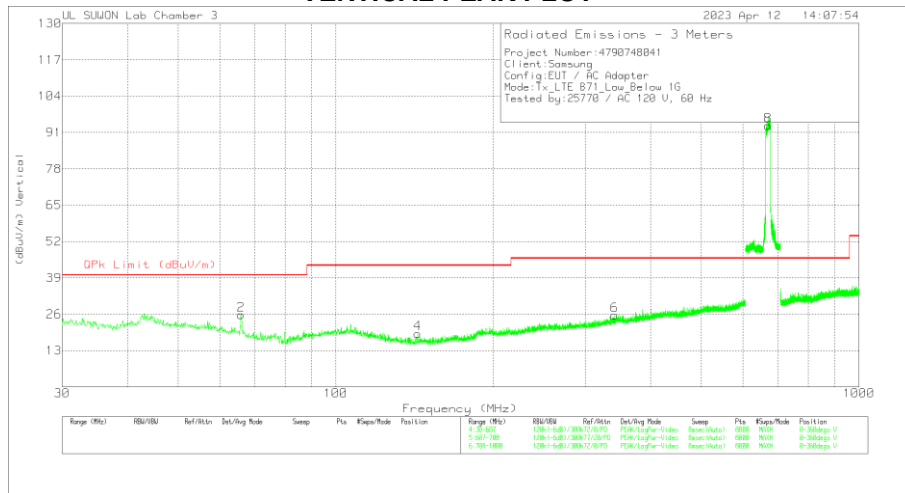
### 7.1.15. Below 1 GHz in the LTE Band 71

#### LOW CHANNEL(662 MHz)

#### HORIZONTAL PEAK PLOT



#### VERTICAL PEAK PLOT



#### DATA

##### Trace Markers

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | VULB9163_845 | Below_1G_Bypass (dB) | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|--------------|----------------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 1      | 56.1846         | 2.81                 | Pk  | 19.2         | 1                    | 23.01                      | 40                 | -16.99      | 0-360          | 100         | H        |
| 3      | 189.7768        | 4.54                 | Pk  | 16.1         | 1.9                  | 22.54                      | 43.52              | -20.98      | 0-360          | 100         | H        |
| 5      | 318.4639        | 3.4                  | Pk  | 19.1         | 2.4                  | 24.9                       | 46.02              | -21.12      | 0-360          | 300         | H        |
| 7      | 670.5517        | 68.37                | Pk  | 24.5         | 3.6                  | 96.47                      | 46.02              | 50.45       | 0-360          | 400         | H        |
| 2      | 65.9227         | 8.19                 | Pk  | 16.5         | 1.1                  | 25.79                      | 40                 | -14.21      | 0-360          | 400         | V        |
| 4      | 143.3946        | 3.93                 | Pk  | 13.6         | 1.6                  | 19.13                      | 43.52              | -24.39      | 0-360          | 200         | V        |
| 6      | 341.1139        | 3.03                 | Pk  | 20.2         | 2.5                  | 25.73                      | 46.02              | -20.29      | 0-360          | 400         | V        |
| 8      | 670.5012        | 65.32                | Pk  | 24.5         | 3.6                  | 93.42                      | 46.02              | 47.4        | 0-360          | 100         | V        |

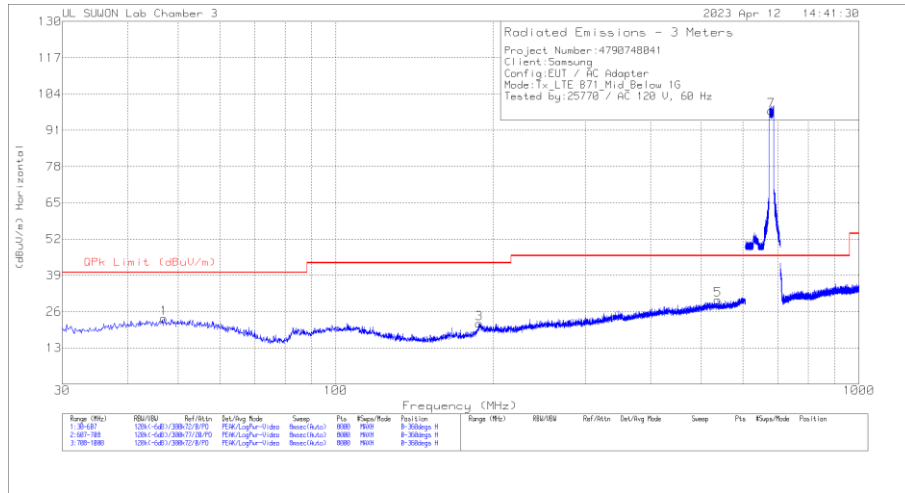
Pk - Peak detector

Note: Unwanted emissions captured from 663MHz to 698MHz and from 617MHz to 652MHz were the TX and RX signals generated from the call-simulator.

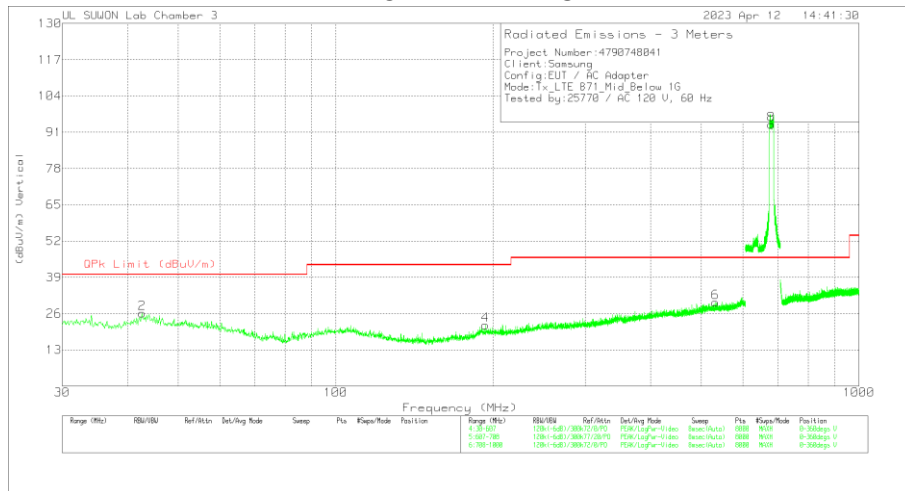


**MID CHANNEL(634.5 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

**Trace Markers**

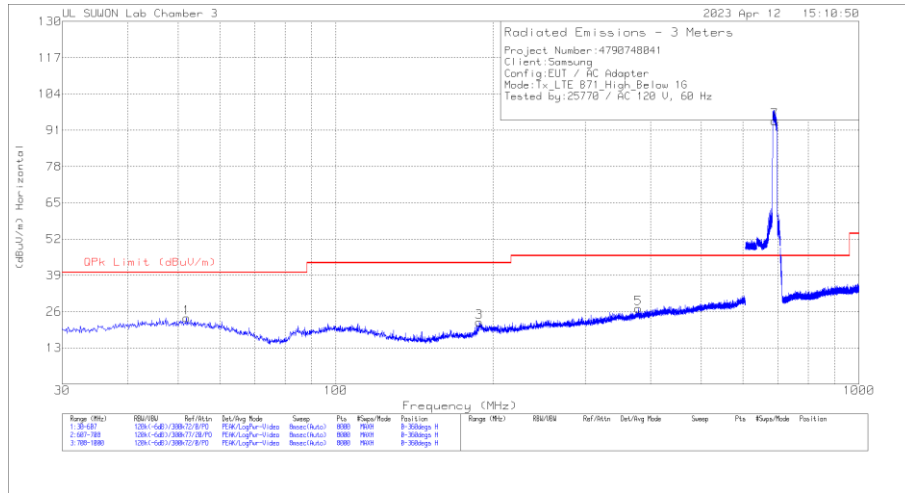
| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | VULB9163_845 | Below_1G_Bypass (dB) | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|--------------|----------------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 1      | 46.9515         | 2.94                 | Pk  | 19.7         | .9                   | 23.54                      | 40                 | -16.46      | 0-360          | 200         | H        |
| 3      | 187.9013        | 4.12                 | Pk  | 15.8         | 1.8                  | 21.72                      | 43.52              | -21.8       | 0-360          | 100         | H        |
| 5      | 537.4627        | 4.01                 | Pk  | 23           | 3.2                  | 30.21                      | 46.02              | -15.81      | 0-360          | 200         | H        |
| 7      | 680.527         | 69.84                | Pk  | 24.6         | 3.6                  | 98.04                      | 46.02              | 52.02       | 0-360          | 200         | H        |
| 2      | 42.6235         | 5.97                 | Pk  | 19.3         | .9                   | 26.17                      | 40                 | -13.83      | 0-360          | 200         | V        |
| 4      | 193.095         | 3.45                 | Pk  | 16.5         | 1.9                  | 21.85                      | 43.52              | -21.67      | 0-360          | 300         | V        |
| 6      | 531.692         | 3.91                 | Pk  | 22.9         | 3.2                  | 30.01                      | 46.02              | -16.01      | 0-360          | 400         | V        |
| 8      | 680.5144        | 65.6                 | Pk  | 24.6         | 3.6                  | 93.8                       | 46.02              | 47.78       | 0-360          | 100         | V        |

Pk - Peak detector

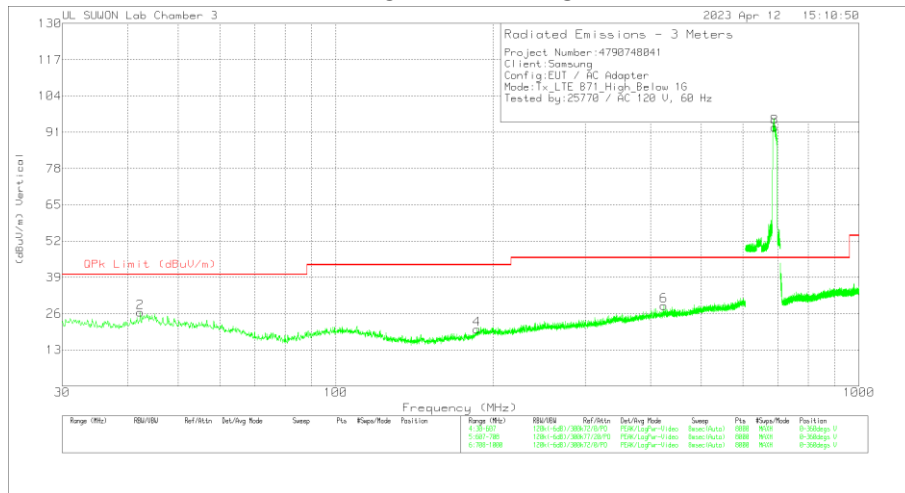
Note: Unwanted emissions captured from 663MHz to 698MHz and from 617MHz to 652MHz were the TX and RX signals generated from the call-simulator.

**HIGH CHANNEL(647 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

**Trace Markers**

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | VULB9163_845 | Below_1G_Bypass (dB) | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|--------------|----------------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 1      | 51.8566         | 3.02                 | Pk  | 19.7         | 1                    | 23.72                      | 40                 | -16.28      | 0-360          | 100         | H        |
| 3      | 187.9735        | 4.66                 | Pk  | 15.8         | 1.8                  | 22.26                      | 43.52              | -21.26      | 0-360          | 100         | H        |
| 5      | 378.5515        | 3.93                 | Pk  | 20.5         | 2.7                  | 27.13                      | 46.02              | -18.89      | 0-360          | 100         | H        |
| 7      | 690.515         | 65.96                | Pk  | 24.7         | 3.6                  | 94.26                      | 46.02              | 48.24       | 0-360          | 200         | H        |
| 2      | 42.3349         | 6.33                 | Pk  | 19.2         | .9                   | 26.43                      | 40                 | -13.57      | 0-360          | 200         | V        |
| 4      | 186.1701        | 2.94                 | Pk  | 15.6         | 1.8                  | 20.34                      | 43.52              | -23.18      | 0-360          | 200         | V        |
| 6      | 423.7795        | 4.62                 | Pk  | 21.5         | 2.8                  | 28.92                      | 46.02              | -17.1       | 0-360          | 300         | V        |
| 8      | 690.515         | 64.39                | Pk  | 24.7         | 3.6                  | 92.69                      | 46.02              | 46.67       | 0-360          | 100         | V        |

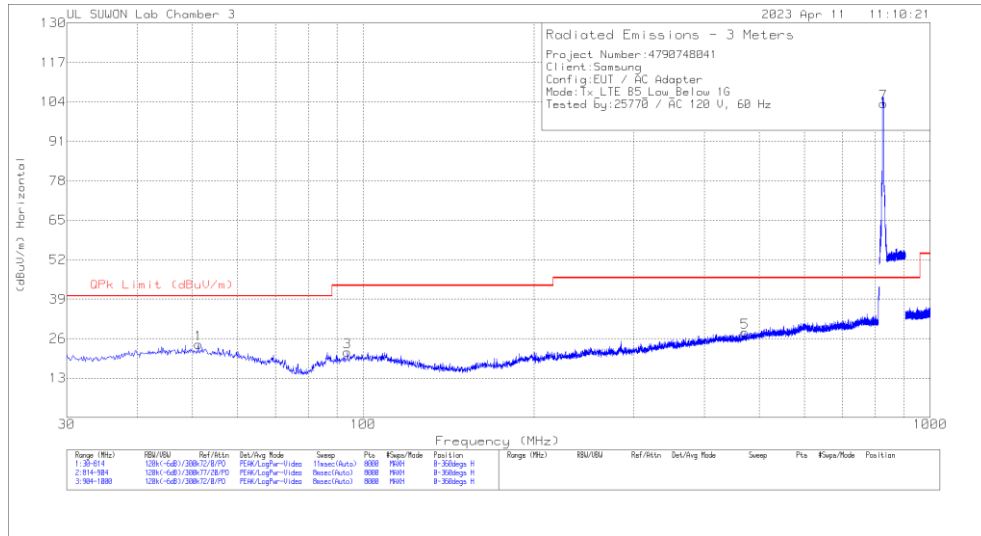
Pk - Peak detector

Note: Unwanted emissions captured from 663MHz to 698MHz and from 617MHz to 652MHz were the TX and RX signals generated from the call-simulator.

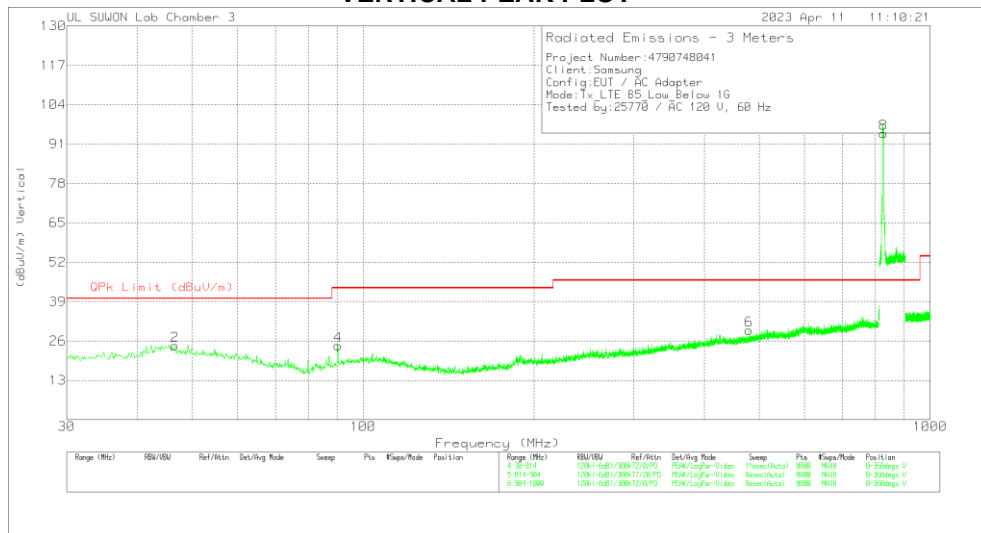
### 7.1.16. Below 1 GHz in the LTE Band 5

#### LOW CHANNEL (874.0 MHz)

#### HORIZONTAL PEAK PLOT



#### VERTICAL PEAK PLOT



#### DATA

##### Trace Markers

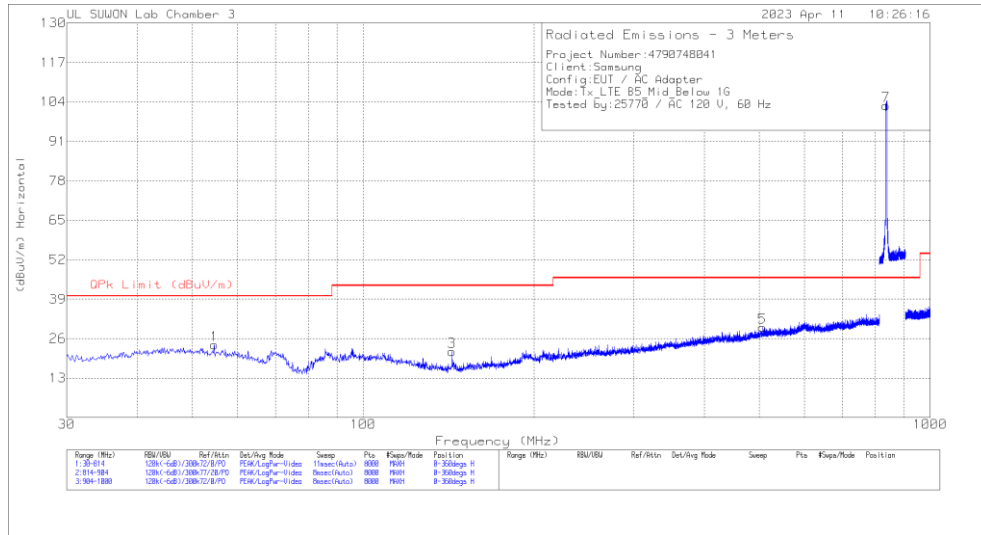
| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | VULB9163_845 | Below_1G_Bypass (dB) | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|--------------|----------------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 1      | 51.2686         | 3.38                 | Pk  | 19.7         | 1                    | 24.08                      | 40                 | -15.92      | 0-360          | 100         | H        |
| 3      | 93.8058         | 3.46                 | Pk  | 16.8         | 1.3                  | 21.56                      | 43.52              | -21.96      | 0-360          | 100         | H        |
| 5      | 471.348         | 3.15                 | Pk  | 21.8         | 3                    | 27.95                      | 46.02              | -18.07      | 0-360          | 100         | H        |
| 7      | 826.4999        | 73.3                 | Pk  | 26.1         | 4                    | 103.4                      | 46.02              | 57.38       | 0-360          | 200         | H        |
| 2      | 46.564          | 3.89                 | Pk  | 19.7         | .9                   | 24.49                      | 40                 | -15.51      | 0-360          | 200         | V        |
| 4      | 90.2284         | 7.22                 | Pk  | 16           | 1.3                  | 24.52                      | 43.52              | -19         | 0-360          | 200         | V        |
| 6      | 479.385         | 4.42                 | Pk  | 22.1         | 3                    | 29.52                      | 46.02              | -16.5       | 0-360          | 300         | V        |
| 8      | 826.4999        | 64.39                | Pk  | 26.1         | 4                    | 94.49                      | 46.02              | 48.47       | 0-360          | 100         | V        |

Pk - Peak detector

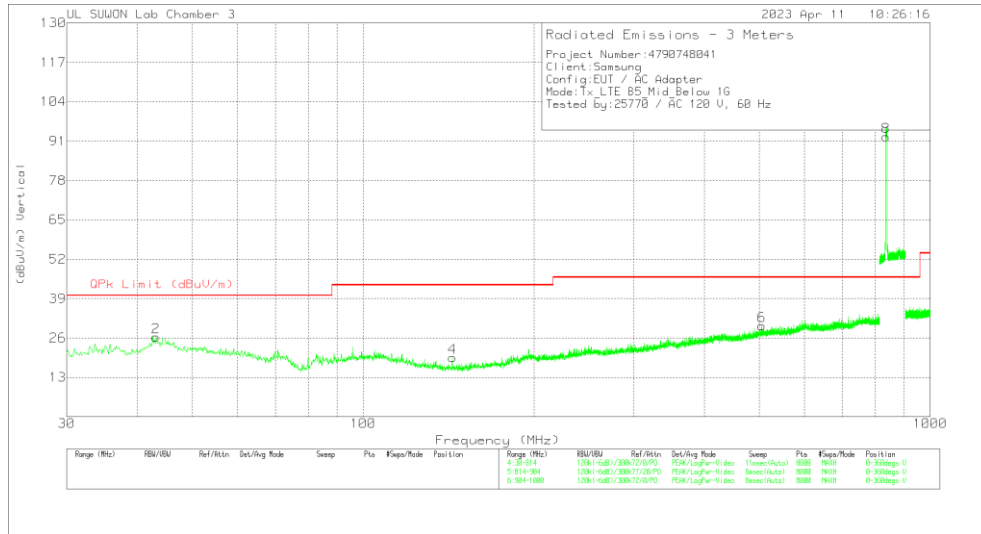
Note: Unwanted emissions captured from 824MHz to 849MHz and from 869MHz to 894MHz were the TX and RX signals generated from the call-simulator.

**MID CHANNEL(881.5 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

**Trace Markers**

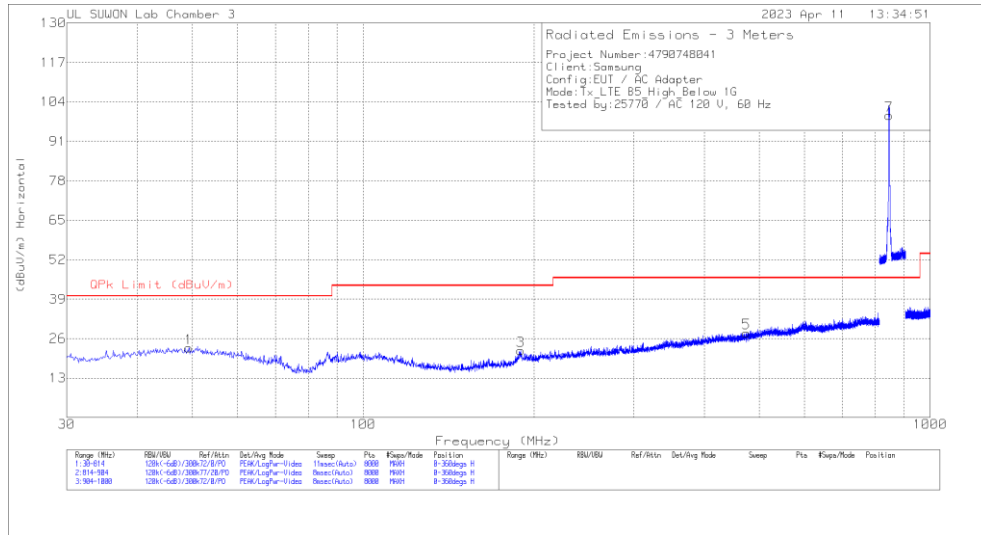
| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | VULB9163_845 | Below_1G_Bypass (dB) | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|--------------|----------------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 1      | 54.601          | 3.6                  | Pk  | 19.3         | 1                    | 23.9                       | 40                 | -16.1       | 0-360          | 400         | H        |
| 3      | 143.3999        | 6.49                 | Pk  | 13.6         | 1.6                  | 21.69                      | 43.52              | -21.83      | 0-360          | 400         | H        |
| 5      | 506.0443        | 4.09                 | Pk  | 22.6         | 3.1                  | 29.79                      | 46.02              | -16.23      | 0-360          | 400         | H        |
| 7      | 836.502         | 72.42                | Pk  | 26.3         | 4                    | 102.72                     | 46.02              | 56.7        | 0-360          | 100         | H        |
| 2      | 43.1336         | 5.98                 | Pk  | 19.4         | .9                   | 26.28                      | 40                 | -13.72      | 0-360          | 100         | V        |
| 4      | 143.5959        | 4.39                 | Pk  | 13.6         | 1.6                  | 19.59                      | 43.52              | -23.93      | 0-360          | 100         | V        |
| 6      | 504.3781        | 4.32                 | Pk  | 22.6         | 3.1                  | 30.02                      | 46.02              | -16         | 0-360          | 100         | V        |
| 8      | 836.502         | 62.16                | Pk  | 26.3         | 4                    | 92.46                      | 46.02              | 46.44       | 0-360          | 300         | V        |

Pk - Peak detector

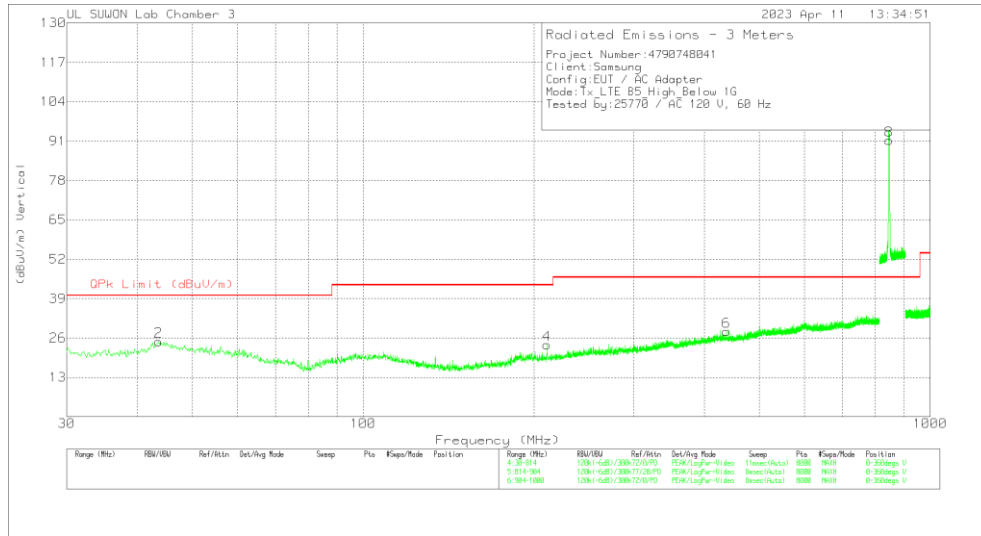
Note: Unwanted emissions captured from 824MHz to 849MHz and from 869MHz to 894MHz were the TX and RX signals generated from the call-simulator.

**HIGH CHANNEL(889.0 MHz)**

**HORIZONTAL PEAK PLOT**



**VERTICAL PEAK PLOT**



**DATA**

**Trace Markers**

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | VULB9163_845 | Below_1G_Bypass (dB) | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|--------------|----------------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 1      | 49.2594         | 2.25                 | Pk  | 19.8         | .9                   | 22.95                      | 40                 | -17.05      | 0-360          | 200         | H        |
| 3      | 189.7596        | 4.15                 | Pk  | 16.1         | 1.9                  | 22.15                      | 43.52              | -21.37      | 0-360          | 100         | H        |
| 5      | 474.2884        | 3.04                 | Pk  | 21.9         | 3                    | 27.94                      | 46.02              | -18.08      | 0-360          | 100         | H        |
| 7      | 846.5041        | 69                   | Pk  | 26.5         | 4                    | 99.5                       | 46.02              | 53.48       | 0-360          | 200         | H        |
| 2      | 43.5257         | 4.49                 | Pk  | 19.5         | .9                   | 24.89                      | 40                 | -15.11      | 0-360          | 200         | V        |
| 4      | 210.8321        | 5.52                 | Pk  | 16.3         | 2                    | 23.82                      | 43.52              | -19.7       | 0-360          | 300         | V        |
| 6      | 437.1418        | 3.71                 | Pk  | 21.6         | 2.9                  | 28.21                      | 46.02              | -17.81      | 0-360          | 400         | V        |
| 8      | 846.5041        | 60.7                 | Pk  | 26.5         | 4                    | 91.2                       | 46.02              | 45.18       | 0-360          | 100         | V        |

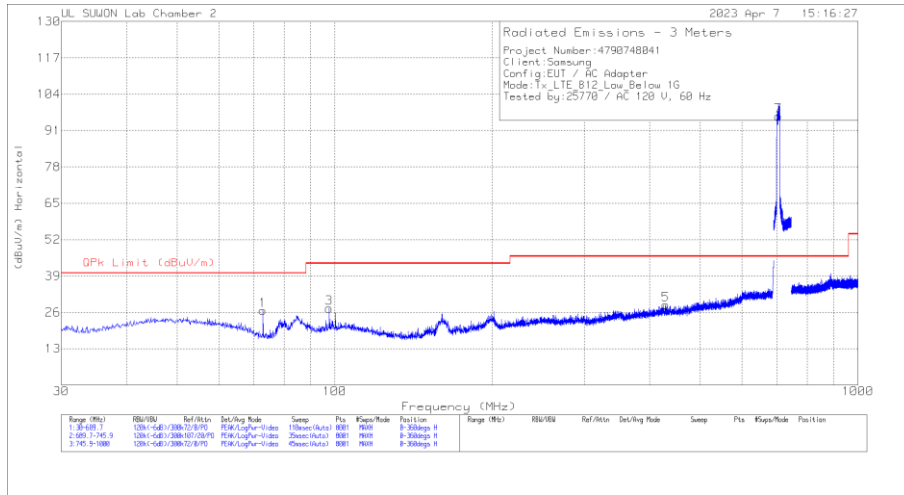
Pk - Peak detector

Note: Unwanted emissions captured from 824MHz to 849MHz and from 869MHz to 894MHz were the TX and RX signals generated from the call-simulator.

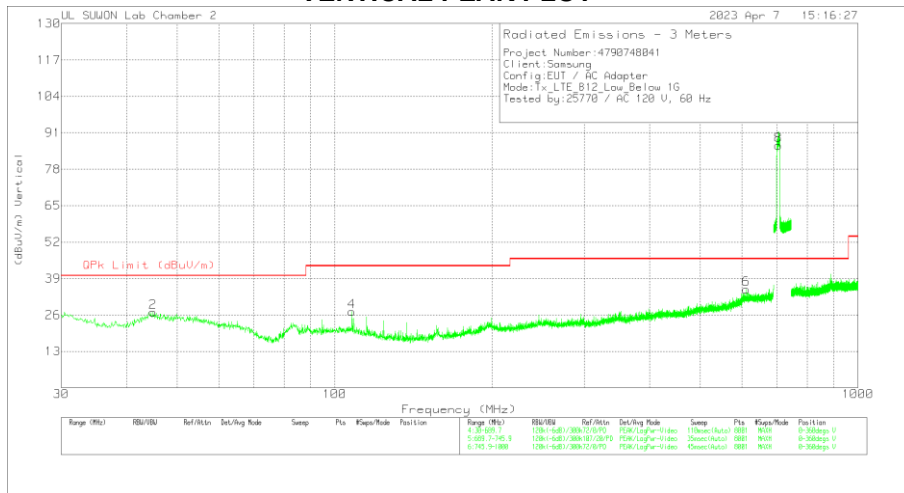
### 7.1.17. Below 1 GHz in the LTE Band 12

#### LOW CHANNEL(731.5 MHz)

#### HORIZONTAL PEAK PLOT



#### VERTICAL PEAK PLOT



#### DATA

##### Trace Markers

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | VULB9163_749 | Below_1G_Bypass (dB) | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|--------------|----------------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 1      | 72.8808         | 11.3                 | Pk  |              | 1                    | 26.7                       | 40                 | -13.3       | 0-360          | 200         | H        |
| 3      | 97.5372         | 9.14                 | Pk  |              | 1.2                  | 27.44                      | 43.52              | -16.08      | 0-360          | 200         | H        |
| 5      | 428.956         | 4.65                 | Pk  |              | 2.4                  | 28.75                      | 46.02              | -17.27      | 0-360          | 100         | H        |
| 7      | 704.0661        | 67.83                | Pk  |              | 3.1                  | 96.13                      | 46.02              | 50.11       | 0-360          | 200         | H        |
| 2      | 44.9258         | 6.37                 | Pk  |              | .8                   | 26.97                      | 40                 | -13.03      | 0-360          | 200         | V        |
| 4      | 107.8451        | 8.5                  | Pk  |              | 1.2                  | 27.2                       | 43.52              | -16.32      | 0-360          | 300         | V        |
| 6      | 612.0239        | 7.43                 | Pk  |              | 2.9                  | 35.23                      | 46.02              | -10.79      | 0-360          | 300         | V        |
| 8      | 704.0732        | 58.19                | Pk  |              | 3.1                  | 86.49                      | 46.02              | 40.47       | 0-360          | 100         | V        |

Pk - Peak detector

Note: Unwanted emissions captured from 699MHz to 716MHz and from 729MHz to 746MHz were the TX and RX signals generated from the call-simulator.