

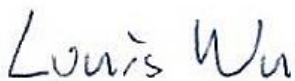


# FCC RADIO TEST REPORT

**FCC ID** : ACJ9TGWW24B  
**Equipment** : Radio Module  
**Brand Name** : Panasonic  
**Model Name** : WW24B  
**Applicant** : Panasonic Corporation of North America  
Two Riverfront Plaza, Newark, New  
Jersey, 07102-5490, USA  
**Standard** : FCC 47 CFR Part 2, 96

The product was received on Mar. 16, 2026 and testing was performed from Jan. 20, 2026 to May. 15, 2026. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

The test results in this partial report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.



Approved by: Louis Wu

**Sporton International Inc. Wensan Laboratory**

No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)



## Table of Contents

|                                                              |           |
|--------------------------------------------------------------|-----------|
| <b>History of this test report.....</b>                      | <b>3</b>  |
| <b>Summary of Test Result.....</b>                           | <b>4</b>  |
| <b>1 General Description .....</b>                           | <b>5</b>  |
| 1.1 Product Feature of Equipment Under Test.....             | 5         |
| 1.2 Modification of EUT .....                                | 5         |
| 1.3 Testing Site .....                                       | 6         |
| 1.4 Applied Standards .....                                  | 6         |
| <b>2 Test Configuration of Equipment Under Test .....</b>    | <b>7</b>  |
| 2.1 Test Mode .....                                          | 7         |
| 2.2 Connection Diagram of Test System .....                  | 8         |
| 2.3 Support Unit used in test configuration and system ..... | 9         |
| 2.4 Frequency List of Low/Middle/High Channels .....         | 10        |
| <b>3 Conducted Test Items.....</b>                           | <b>12</b> |
| 3.1 Measuring Instruments .....                              | 12        |
| 3.2 Conducted Output Power Measurement .....                 | 13        |
| 3.3 EIRP .....                                               | 14        |
| 3.4 Occupied Bandwidth.....                                  | 15        |
| 3.5 Conducted Band Edge .....                                | 16        |
| 3.6 Conducted Spurious Emission .....                        | 17        |
| <b>4 Radiated Test Items .....</b>                           | <b>18</b> |
| 4.1 Measuring Instruments .....                              | 18        |
| 4.2 Test Setup .....                                         | 18        |
| 4.3 Test Result of Radiated Test .....                       | 19        |
| 4.4 Radiated Spurious Emission .....                         | 20        |
| <b>5 List of Measuring Equipment.....</b>                    | <b>21</b> |
| <b>6 Measurement Uncertainty .....</b>                       | <b>22</b> |
| <b>Appendix A. Test Results of Conducted Test</b>            |           |
| <b>Appendix B. Test Results of Radiated Test</b>             |           |
| <b>Appendix C. Test Setup Photographs</b>                    |           |



## History of this test report

| Report No.   | Version | Description             | Issue Date    |
|--------------|---------|-------------------------|---------------|
| FG572316-01D | 01      | Initial issue of report | Jun. 16, 2026 |
|              |         |                         |               |
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|              |         |                         |               |

## Summary of Test Result

| Report Clause | Ref Std. Clause   | Test Items                                    | Result (PASS/FAIL) | Remark   |
|---------------|-------------------|-----------------------------------------------|--------------------|----------|
| 3.2           | §2.1046           | Conducted Output Power                        | Pass               | -        |
| -             | §96.41            | Peak-to-Average Ratio                         | Pass               | See Note |
| 3.3           | §96.41            | Effective Isotropic Radiated Power            | Pass               | -        |
| 3.4           | §2.1049<br>§96.41 | Occupied Bandwidth                            | Pass               | -        |
| 3.5           | §2.1051<br>§96.41 | Conducted Band Edge Measurement               | Pass               | -        |
| 3.6           | §2.1051<br>§96.41 | Conducted Spurious Emission                   | Pass               | -        |
| -             | §2.1055           | Frequency Stability for Temperature & Voltage | Pass               | See Note |
| 4.4           | §2.1053<br>§96.41 | Radiated Spurious Emission                    | Pass               | -        |

**Remark:**

- For host device, except for LTE B48B is full test, other band is the spot check Radiated Spurious Emission and complies with the limit in this test report.
- For host device, except for LTE B48B is full test, other band is the spot check, the Conducted Output Power is no difference after compared to module (Model: WW24B)

**Conformity Assessment Condition:**

- The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
- The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".

**Disclaimer:**

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

**Reviewed by: Keven Cheng**

**Report Producer: Julia Chang**

# 1 General Description

## 1.1 Product Feature of Equipment Under Test

| Product Feature                           |  |
|-------------------------------------------|--|
| <b>General Specs</b><br>WCDMA /LTE/5G NR  |  |
| <b>Antenna Type</b><br>WWAN: PIFA Antenna |  |

**Remark:** The product was installed into Personal Computer (Brand Name: Panasonic, Model Name: FZ-34 during test.

| Support band and evaluated information |                 |
|----------------------------------------|-----------------|
| <b>Supported band</b>                  | B48, B48B, B48C |
| <b>Evaluated and Tested band</b>       | B48, B48B, B48C |

| TDD band Power Class |            |  |  |  |
|----------------------|------------|--|--|--|
|                      | <b>PC3</b> |  |  |  |
| <b>B48/B48B/B48C</b> | V          |  |  |  |

| Antenna information(dBi) |                             |                             |  |                                       |  |  |
|--------------------------|-----------------------------|-----------------------------|--|---------------------------------------|--|--|
| <b>Band</b>              | <b>Ant 1<br/>(WWAN-3rd)</b> | <b>Ant 3<br/>(WWAN-4th)</b> |  | <b>SISO&amp; ENDC<br/>Main Ant. #</b> |  |  |
| <b>B48</b>               | <b>2.25</b>                 | <b>2.40</b>                 |  | <b>3&amp;1</b>                        |  |  |

**Remark:** The above EUT's information was declared by manufacturer. Please refer to Disclaimer in report summary.

## 1.2 Modification of EUT

No modifications made to the EUT during the testing.

### 1.3 Testing Site

|                              |                                                                                                                                                  |                      |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| <b>Test Site</b>             | Sporton International Inc. Wensan Laboratory                                                                                                     |                      |
| <b>Test Site Location</b>    | No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist.,<br>Taoyuan City 333010, Taiwan (R.O.C.)<br>TEL: +886-3-327-0868<br>FAX: +886-3-327-0855 |                      |
| <b>Test Site No.</b>         | <b>Sporton Site No.</b>                                                                                                                          |                      |
|                              | TH05-HY                                                                                                                                          | 03CH21-HY            |
| <b>Test Engineer</b>         | HaoEn Zhang                                                                                                                                      | Jack Cheng, Ray Lung |
| <b>Temperature (°C)</b>      | 22.4 ~ 23.5                                                                                                                                      | 18~26                |
| <b>Relative Humidity (%)</b> | 52.1~54.8                                                                                                                                        | 50~70                |

**Note:** The test site complies with ANSI C63.4 2014 requirement.

FCC Designation No.: TW3786

### 1.4 Applied Standards

According to the specifications declared by the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ ANSI C63.26-2015
- ♦ ANSI / TIA-603-E
- ♦ FCC 47 CFR Part 2, 96
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01

**Remark:**

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.

## 2 Test Configuration of Equipment Under Test

### 2.1 Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and Laptop /Tablet/Convertible mode and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape) and accessory (Keyboard), and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and only the worst case emissions were reported in this report.

| Modulation Type | Modulation |
|-----------------|------------|
| A               | QPSK       |
| B               | 16QAM      |
| C               | 64QAM      |
| D               | 256QAM     |

LTE B48

| Test Item       | Modulation Type | Bandwidth | RB Size | Channel |
|-----------------|-----------------|-----------|---------|---------|
| Conducted Power | A, B,C          | All       | 1RB     | L, M, H |
| EIRP            | A, B,C          | All       | 1RB     | L, M, H |
| RSE             | A               | Max       | 1RB     | M       |

**Remark:**

1. Evaluated all the transmitter signal and reporting worst-case configuration among all modulation types.
2. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst-case emissions are reported.

LTE B48C

| Test Item       | Modulation Type | Bandwidth | RB Size | Channel |
|-----------------|-----------------|-----------|---------|---------|
| Conducted Power | A, B,C,D        | All       | 1RB     | L, M, H |
| EIRP            | A, B,C,D        | All       | 1RB     | L, M, H |
| RSE             | A               | Max       | 1RB     | M       |

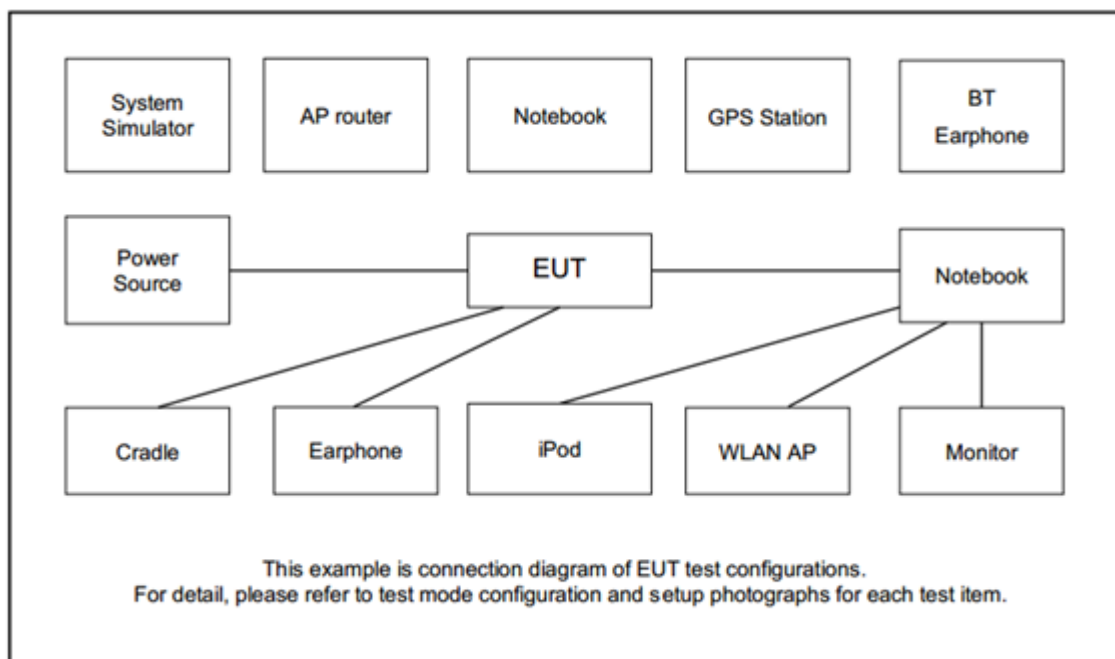
**Remark:**

1. Evaluated all the transmitter signal and reporting worst-case configuration among all modulation types.
2. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst-case emissions are reported.

B48B

| Test Item                                                                                                                                                                                                                                                                                                                                                                    | Modulation Type | Bandwidth | RB Size       | Channel |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------|---------------|---------|
| Conducted Power                                                                                                                                                                                                                                                                                                                                                              | A, B, C, D      | 10+10 MHz | 1, Half, Full | L, M, H |
| EIRP                                                                                                                                                                                                                                                                                                                                                                         | A, B, C, D      | 10+10 MHz | 1, Half, Full | L, M, H |
| Bandwidth                                                                                                                                                                                                                                                                                                                                                                    | A, B            | 10+10 MHz | Full          | M       |
| ACLR, Mask                                                                                                                                                                                                                                                                                                                                                                   | A               | 10+10 MHz | 1RB<br>Full   | L, M, H |
| CSE                                                                                                                                                                                                                                                                                                                                                                          | A               | 10+10 MHz | 1RB           | L, M, H |
| RSE                                                                                                                                                                                                                                                                                                                                                                          | A               | 10+10 MHz | 1RB           | L, M, H |
| <b>Remark:</b><br>1. Evaluated all the transmitter signal and reporting worst-case configuration among all modulation types.<br>2. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst-case emissions are reported. |                 |           |               |         |

## 2.2 Connection Diagram of Test System





## 2.3 Support Unit used in test configuration and system

| Item | Equipment    | Brand Name | Model No. | FCC ID | Data Cable | Power Cord |
|------|--------------|------------|-----------|--------|------------|------------|
| 1.   | Base Station | Anritsu    | MT8820C   | N/A    | N/A        | N/A        |
| 2.   | Base Station | Anritsu    | MT8821C   | N/A    | N/A        | N/A        |
| 3.   | Base Station | Anritsu    | MT8000A   | N/A    | N/A        | N/A        |

## 2.4 Frequency List of Low/Middle/High Channels

| LTE Band 48 Channel and Frequency List |                        |        |        |         |
|----------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                               | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20                                     | Channel                | 55340  | 55990  | 56640   |
|                                        | Frequency              | 3560   | 3625   | 3690    |
| 15                                     | Channel                | 55315  | 55990  | 56665   |
|                                        | Frequency              | 3557.5 | 3625   | 3692.5  |
| 10                                     | Channel                | 55290  | 55990  | 56690   |
|                                        | Frequency              | 3555   | 3625   | 3695    |
| 5                                      | Channel                | 55265  | 55990  | 56715   |
|                                        | Frequency              | 3552.5 | 3625   | 3697.5  |

| LTE Band 48B Channel and Frequency List_CA |                        |           |        |        |         |
|--------------------------------------------|------------------------|-----------|--------|--------|---------|
| BW [MHz]                                   | Channel/Frequency(MHz) |           | Lowest | Middle | Highest |
| 10+10                                      | PCC                    | Channel   | 55290  | 55945  | 56591   |
|                                            |                        | Frequency | 3555   | 3623.5 | 3685.1  |
|                                            | SCC                    | Channel   | 55389  | 56044  | 56690   |
|                                            |                        | Frequency | 3564.9 | 3630.4 | 3695    |



| LTE Band 48C Channel and Frequency List_CA |                        |           |        |        |         |
|--------------------------------------------|------------------------|-----------|--------|--------|---------|
| BW [MHz]                                   | Channel/Frequency(MHz) |           | Lowest | Middle | Highest |
| 20 + 20                                    | PCC                    | Channel   | 55340  | 55891  | 56442   |
|                                            |                        | Frequency | 3560   | 3615.1 | 3670.2  |
|                                            | SCC                    | Channel   | 55538  | 56089  | 56640   |
|                                            |                        | Frequency | 3579.8 | 3634.9 | 3690.0  |
| 20 + 15                                    | PCC                    | Channel   | 55340  | 55916  | 56491   |
|                                            |                        | Frequency | 3560   | 3617.6 | 3675.1  |
|                                            | SCC                    | Channel   | 55511  | 56087  | 56662   |
|                                            |                        | Frequency | 3577.1 | 3634.7 | 3692.2  |
| 15 + 20                                    | PCC                    | Channel   | 55318  | 55893  | 56469   |
|                                            |                        | Frequency | 3557.8 | 3615.3 | 3672.9  |
|                                            | SCC                    | Channel   | 55489  | 56064  | 56640   |
|                                            |                        | Frequency | 3574.9 | 3632.4 | 3690.0  |
| 20 + 10                                    | PCC                    | Channel   | 55340  | 55941  | 56541   |
|                                            |                        | Frequency | 3560   | 3620.1 | 3680.1  |
|                                            | SCC                    | Channel   | 55484  | 56085  | 56685   |
|                                            |                        | Frequency | 3574.4 | 3634.5 | 3694.5  |
| 10 + 20                                    | PCC                    | Channel   | 55295  | 55896  | 56496   |
|                                            |                        | Frequency | 3555.5 | 3615.6 | 3675.6  |
|                                            | SCC                    | Channel   | 55439  | 56040  | 56640   |
|                                            |                        | Frequency | 3569.9 | 3630   | 3690    |
| 20 + 5                                     | PCC                    | Channel   | 55340  | 55965  | 56590   |
|                                            |                        | Frequency | 3560   | 3622.5 | 3685    |
|                                            | SCC                    | Channel   | 55457  | 56082  | 56707   |
|                                            |                        | Frequency | 3571.7 | 3634.2 | 3696.7  |
| 5 + 20                                     | PCC                    | Channel   | 55273  | 55896  | 56523   |
|                                            |                        | Frequency | 3553.3 | 3615.6 | 3678.3  |
|                                            | SCC                    | Channel   | 55390  | 56015  | 56640   |
|                                            |                        | Frequency | 3565   | 3627.5 | 3690.0  |

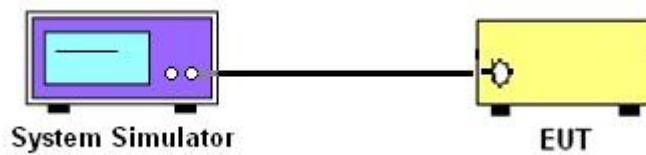
### 3 Conducted Test Items

#### 3.1 Measuring Instruments

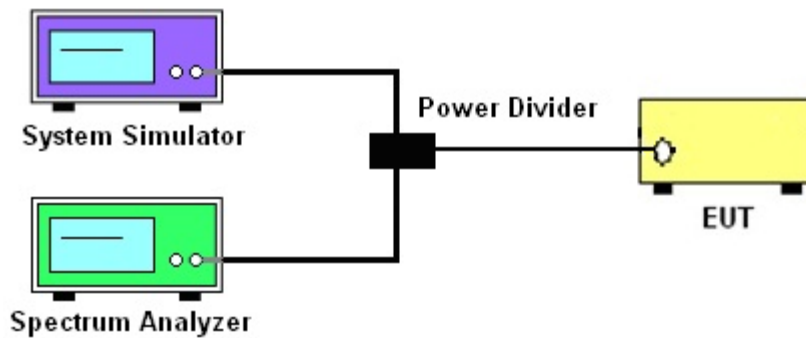
See list of measuring instruments of this test report.

##### 3.1.1 Test Setup

##### 3.1.2 Conducted Output Power



##### 3.1.3 EIRP Occupied Bandwidth, Conducted Band-Edge, and Conducted Spurious Emission



##### 3.1.4 Test Result of Conducted Test

Please refer to Appendix A.



## **3.2 Conducted Output Power Measurement**

### **3.2.1 Description of the Conducted Output Power Measurement**

A base station simulator was used to establish communication with the EUT. Its parameters were set to transmit the maximum power on the EUT. The measured power in the radio frequency on the transmitter output terminals shall be reported.

### **3.2.2 Test Procedures**

1. The transmitter output port was connected to base station.
2. Set EUT at maximum power through base station.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.



### 3.3 EIRP

#### 3.3.1 Description of the EIRP Measurement

The EIRP of mobile transmitters must not exceed 23 dBm /10 megahertz for LTE Band 48.

The testing follows ANSI C63.26-2015 Section 5.2.5.5.

According to KDB 412172 D01 Power Approach,

$EIRP = PT + GT - LC$ , where

PT = transmitter output power in dBm

GT = gain of the transmitting antenna in dBi

LC = signal attenuation in the connecting cable between the transmitter and antenna in dB

| Device          | Maximum EIRP<br>(dBm/10 MHz) | Maximum PSD<br>(dBm/MHz) |
|-----------------|------------------------------|--------------------------|
| End User Device | 23                           | n/a                      |

**Remark:** Total channel power is complied with EIRP limit 23dBm/10MHz.

#### 3.3.2 Test Procedures

The testing follows procedure in Section 5.2 of ANSI C63.26-2015 and KDB 940660 D01 Part 96 CBRS Eqpt v03 Section 3.2(b)(2)

Determine the EIRP by adding the effective antenna gain to the measured average conducted power level.



## **3.4 Occupied Bandwidth**

### **3.4.1 Description of Occupied Bandwidth Measurement**

The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

### **3.4.2 Test Procedures**

The testing follows ANSI C63.26-2015 Section 5.4.3 (26dB) and Section 5.4.4 (99OB)

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
3. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
4. Set the detection mode to peak, and the trace mode to max hold.
5. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace.  
(this is the reference value)
6. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
7. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “-X dB down amplitude” determined in step 6. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
8. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

### 3.5 Conducted Band Edge

#### 3.5.1 Description of Conducted Band Edge Measurement

Subscriber equipment shall have the TRP or conducted power (per antenna), where applicable, of unwanted emission not exceeding the following:

- a. A limit of -30 dBm/MHz in the frequency range greater than (B+5) MHz from the edge of the frequency band
- b. The limits shown as follow table.

Unwanted emission limits for subscriber equipment

| Frequency block<br>Group (B) | Offset frequency from the edge of the frequency block group (MHz) |             |             |             |
|------------------------------|-------------------------------------------------------------------|-------------|-------------|-------------|
|                              | 0-1                                                               | 1-5         | 5-B         | >B          |
| 10, 20, 30, 40<br>MHz        | -13 dBm/1% of B                                                   | -10 dBm/MHz | -13 dBm/MHz | -25 dBm/MHz |
| >40MHz                       | -13 dBm/400 kHz                                                   | -10 dBm/MHz | -13 dBm/MHz | -25 dBm/MHz |

#### 3.5.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

5. The EUT was connected to spectrum analyzer and system simulator via a power divider.
6. The band edges of low and high channels for the highest RF powers were measured.
7. Set RBW  $\geq$  1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
8. Beyond the 1 MHz band from the band edge, RBW=1MHz was used
9. Set spectrum analyzer with RMS detector.
10. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
11. Checked that all the results comply with the emission limit line.

### 3.6 Conducted Spurious Emission

#### 3.6.1 Description of Conducted Spurious Emission Measurement

Subscriber equipment shall have the TRP or conducted power (per antenna), where applicable, of unwanted emission not exceeding the following:

- a. A limit of -30 dBm/MHz in the frequency range greater than (B+5) MHz from the edge of the frequency band
- b. The limits shown as follow table.

Unwanted emission limits for subscriber equipment

| Frequency block<br>Group (B) | Offset frequency from the edge of the frequency block group (MHz) |             |             |             |
|------------------------------|-------------------------------------------------------------------|-------------|-------------|-------------|
|                              | 0-1                                                               | 1-5         | 5-B         | >B          |
| 10, 20, 30, 40<br>MHz        | -13 dBm/1% of B                                                   | -10 dBm/MHz | -13 dBm/MHz | -25 dBm/MHz |
| >40MHz                       | -13 dBm/400 kHz                                                   | -10 dBm/MHz | -13 dBm/MHz | -25 dBm/MHz |

#### 3.6.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

12. The EUT was connected to spectrum analyzer and system simulator via a power divider.
13. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.  
The path loss was compensated to the results for each measurement.
14. The middle channel for the highest RF power within the transmitting frequency was measured.
15. The conducted spurious emission for the whole frequency range was taken.
16. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
17. Set spectrum analyzer with RMS detector.
18. Taking the record of maximum spurious emission.
19. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
20. The test reduction is applied to 1RB case for 10MHz Bandwidth to cover the all operation bandwidths. RBW 500kHz is applied to the 0-1MHz offset from the edge of the frequency block group for 1RB mode in order to represent the worst case condition.

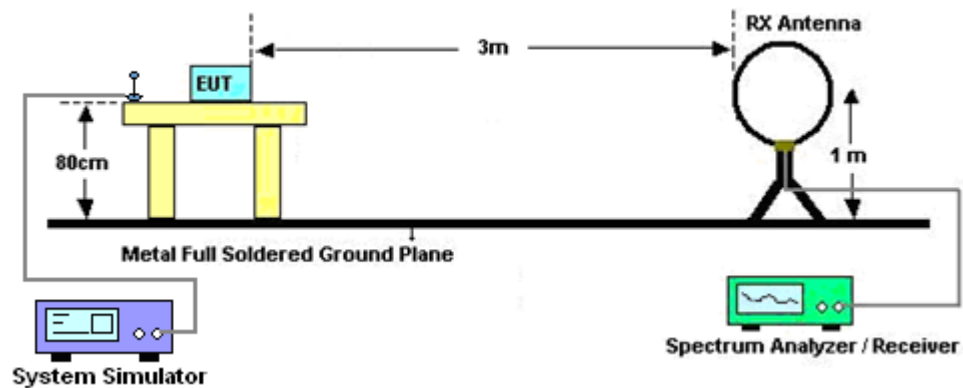
## 4 Radiated Test Items

### 4.1 Measuring Instruments

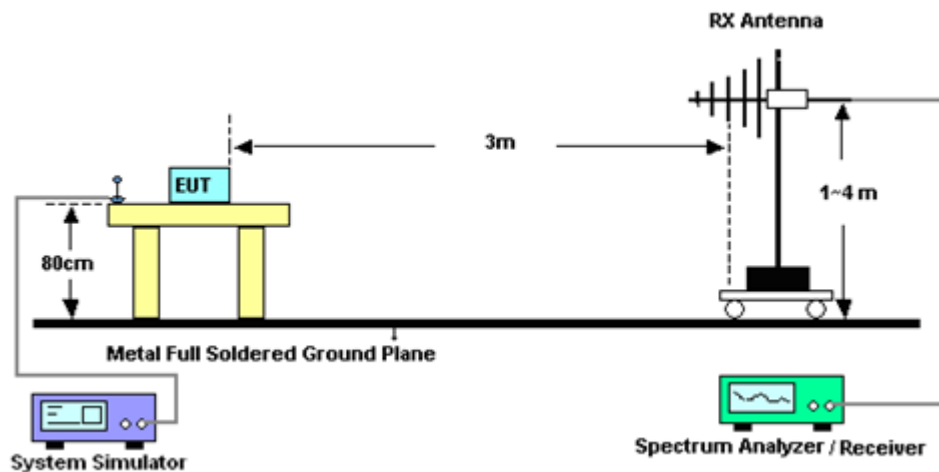
See list of measuring instruments of this test report.

### 4.2 Test Setup

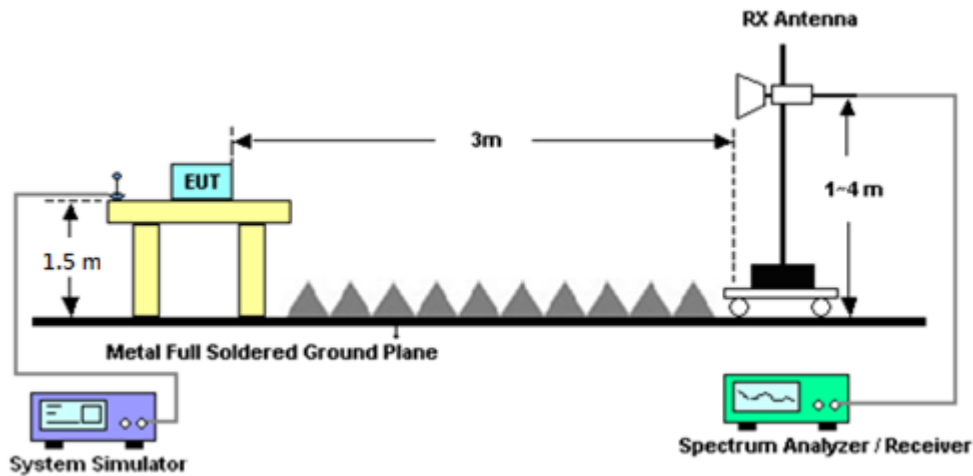
For radiated test below 30MHz



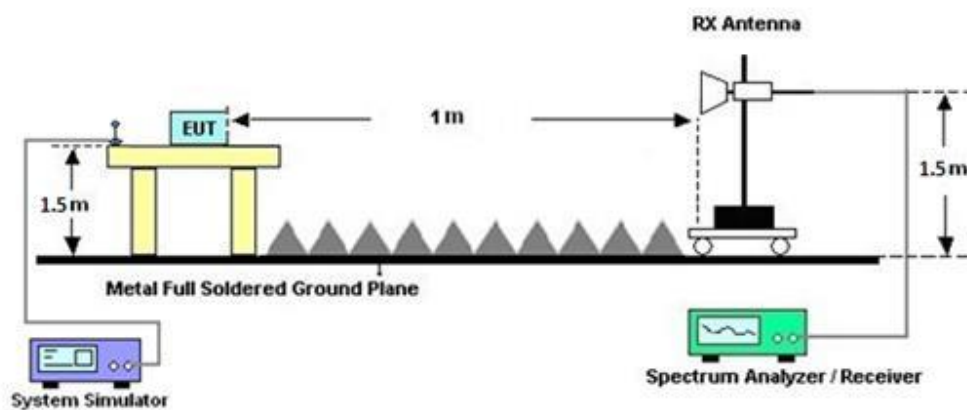
For radiated test from 30MHz to 1GHz



For radiated emissions from 1GHz to 18GHz



For radiated emissions above 18GHz



## 4.3 Test Result of Radiated Test

Please refer to Appendix B.

### Note:

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

## **4.4 Radiated Spurious Emission**

### **4.4.1 Description of Radiated Spurious Emission**

The radiated spurious emission was measured by substitution method according to ANSI / TIA-603-E.

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least -40dBm / MHz

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

### **4.4.2 Test Procedures**

The testing follows FCC KDB 971168 D01 v03r01 Section 7 and ANSI C63.26-2015 section 5.5.4 Radiated measurement using the field strength method.

1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
5. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
7. To convert spectrum reading E(dBuV/m) to EIRP(dBm)  
$$\text{EIRP(dBm)} = \text{Level (dBuV/m)} + 20\log(d) - 104.77,$$
where d is the distance at which field strength limit is specified in the rules
8. Field Strength Level (dBm) = Spectrum Reading (dBm) + Antenna Factor + Cable Loss + Read Level - Preamp Factor.
9. ERP (dBm) = EIRP (dBm) - 2.15
10. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.



## 5 List of Measuring Equipment

| Instrument                       | Brand Name      | Model No.                | Serial No.                 | Characteristics                     | Calibration Date | Test Date                        | Due Date      | Remark                   |
|----------------------------------|-----------------|--------------------------|----------------------------|-------------------------------------|------------------|----------------------------------|---------------|--------------------------|
| Radio Communication Analyzer     | Anritsu         | MT8821C                  | 6262025341                 | LTE FDD/TDD<br>LTE-2CC<br>ULCA/DLCA | Sep. 16, 2025    | Jan. 20, 2026~<br>Apr. 30, 2026  | Sep. 15, 2026 | Conducted<br>(TH05-HY)   |
| DC Power Supply                  | GW Instek       | GPE-2323                 | GET861546                  | 0V~64V ; 0A~6A                      | Jun. 03, 2025    | Jan. 20, 2026~<br>Apr. 30, 2026  | Jun. 02, 2026 | Conducted<br>(TH05-HY)   |
| Coupler                          | MVE             | MVE4816                  | #Y                         | 0.5~18GHz                           | Oct. 16, 2025    | Jan. 20, 2026~<br>Apr. 30, 2026  | Oct. 15, 2026 | Conducted<br>(TH05-HY)   |
| Spectrum Analyzer                | Rohde & Schwarz | FSV40                    | 101907                     | 10Hz~40GHz                          | Aug. 25, 2025    | Jan. 20, 2026~<br>Apr. 30, 2026  | Aug. 24, 2026 | Conducted<br>(TH05-HY)   |
| Thermal Chamber                  | ESPEC           | SU-241                   | 92003713                   | -30°C ~95°C                         | May. 12, 2025    | Jan. 20, 2026~<br>Apr. 30, 2026  | May. 11, 2026 | Conducted<br>(TH05-HY)   |
| Power divider                    | Anritsu         | K241C                    | 2143398                    | 9KHz~40GHz                          | Jun. 13, 2025    | Jan. 20, 2026~<br>Apr. 30, 2026  | Jun. 12, 2026 | Conducted<br>(TH05-HY)   |
| Software                         | Sporton         | LTE Conducted Test Tools | N/A                        | Conducted Test Item                 | N/A              | Jan. 20, 2026~<br>Apr. 30, 2026  | N/A           | Conducted<br>(TH05-HY)   |
| Hygrometer                       | TECPEL          | DTM-303B                 | TP200886                   | -10 ~ 50°C / 20 ~ 95%RH             | Mar. 03, 2025    | Jan. 20, 2026~<br>Apr. 30, 2026  | Mar. 02, 2026 | Conducted<br>(TH05-HY)   |
| LOOP Antenna                     | Rohde & Schwarz | HFH2-Z2E                 | 101108                     | 9 kHz~30 MHz                        | Dec. 11, 2025    | Apr. 01, 2026 ~<br>May. 12, 2026 | Dec. 10, 2026 | Radiation<br>(03CH21-HY) |
| Bilog Antenna                    | TESEQ & WOKEN   | CBL 6111D & 00802N1D-06  | 63303 & 001                | 30MHz~1GHz                          | Nov. 26, 2025    | Apr. 01, 2026 ~<br>May. 12, 2026 | Nov. 25, 2026 | Radiation<br>(03CH21-HY) |
| Double Ridged Guide Horn Antenna | RFSPIN          | DRH18-E                  | LE2C03A18EN                | 1GHz~18GHz                          | Aug. 07, 2025    | Apr. 01, 2026 ~<br>May. 12, 2026 | Aug. 06, 2026 | Radiation<br>(03CH21-HY) |
| SHF-EHF Horn Antenna             | SCHWARZBECK     | BBHA 9170                | 1223                       | 18GHz~40GHz                         | Jul. 02, 2025    | Apr. 01, 2026 ~<br>May. 12, 2026 | Jul. 01, 2026 | Radiation<br>(03CH21-HY) |
| Amplifier                        | SONOMA          | 310N                     | 421580                     | 30MHz~1GHz                          | Jul. 13, 2025    | Apr. 01, 2026 ~<br>May. 12, 2026 | Jul. 12, 2026 | Radiation<br>(03CH21-HY) |
| Amplifier                        | EMEC            | EM01G18GA                | 060876                     | 1GHz~18GHz                          | Sep. 26, 2025    | Apr. 01, 2026 ~<br>May. 12, 2026 | Sep. 25, 2026 | Radiation<br>(03CH21-HY) |
| Preamplifier                     | EMEC            | EM18G40G                 | 060873                     | 18GHz~40GHz                         | Aug. 26, 2025    | Apr. 01, 2026 ~<br>May. 12, 2026 | Aug. 25, 2026 | Radiation<br>(03CH21-HY) |
| EXA Signal Analyzer              | Keysight        | N9010B                   | MY62170358                 | 10Hz~44GHz                          | Sep. 09, 2025    | Apr. 01, 2026 ~<br>May. 12, 2026 | Sep. 08, 2026 | Radiation<br>(03CH21-HY) |
| RF Cable                         | HUBER + SUHNER  | SUCOFLEX 102             | 803951/2                   | 9kHz~30MHz                          | Mar. 04, 2026    | Apr. 01, 2026 ~<br>May. 12, 2026 | Mar. 03, 2027 | Radiation<br>(03CH21-HY) |
| RF Cable                         | HUBER + SUHNER  | SUCOFLEX 102             | 804397/2,804612/2,803954/2 | 30MHz~40GHz                         | Aug. 11, 2025    | Apr. 01, 2026 ~<br>May. 12, 2026 | Aug. 10, 2026 | Radiation<br>(03CH21-HY) |
| RF Cable                         | EMCI            | EMC101Y-KM-KM-1000       | 240906                     | 30MHz~40GHz                         | Oct. 21, 2025    | Apr. 01, 2026 ~<br>May. 12, 2026 | Oct. 20, 2026 | Radiation<br>(03CH21-HY) |
| Hygrometer                       | TECPEL          | DTM-303A                 | TP211568                   | N/A                                 | Oct. 21, 2025    | Apr. 01, 2026 ~<br>May. 12, 2026 | Oct. 20, 2026 | Radiation<br>(03CH21-HY) |
| Controller                       | EMEC            | EM 1000                  | N/A                        | Control Turn table & Ant Mast       | N/A              | Apr. 01, 2026 ~<br>May. 12, 2026 | N/A           | Radiation<br>(03CH21-HY) |
| Antenna Mast                     | EMEC            | AM-BS-4500-B             | N/A                        | 1~4m                                | N/A              | Apr. 01, 2026 ~<br>May. 12, 2026 | N/A           | Radiation<br>(03CH21-HY) |
| Turn Table                       | EMEC            | TT 2000                  | N/A                        | 0~360 Degree                        | N/A              | Apr. 01, 2026 ~<br>May. 12, 2026 | N/A           | Radiation<br>(03CH21-HY) |
| Software                         | Audix           | E3 6.2009-8-24           | RK-001053                  | N/A                                 | N/A              | Apr. 01, 2026 ~<br>May. 12, 2026 | N/A           | Radiation<br>(03CH21-HY) |

## 6 Measurement Uncertainty

### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 6.40 dB |
|-------------------------------------------------------------------------|---------|

### Uncertainty of Radiated Emission Measurement (1 GHz ~ 6 GHz)

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 4.80 dB |
|-------------------------------------------------------------------------|---------|

### Uncertainty of Radiated Emission Measurement (6 GHz ~ 18 GHz)

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 4.80 dB |
|-------------------------------------------------------------------------|---------|

### Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 5.30 dB |
|-------------------------------------------------------------------------|---------|

## Appendix A. Test Results of Conducted Test

| Conducted Output Power (Average power and EIRP) |                    |           |         |           |         |        |        |         |            |          |
|-------------------------------------------------|--------------------|-----------|---------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                        | PCC                |           | SCC     |           | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
|                                                 | RB Size            | RB Offset | RB Size | RB Offset |         |        |        |         |            |          |
| 20+20                                           | 100                | 0         | 100     | 0         | QPSK    | 15.62  | 15.73  | 15.76   | 19.87      | 0.0971   |
| 20+20                                           | 1                  | 0         | 1       | 99        |         | 9.03   | 9.28   | 9.25    |            |          |
| 20+20                                           | 1                  | 99        | 1       | 0         |         | 17.45  | 17.47  | 17.45   |            |          |
| 20+20                                           | 1                  | 0         | 0       | 0         |         | 17.24  | 17.43  | 17.34   |            |          |
| 20+20                                           | 100                | 0         | 100     | 0         | 16-QAM  | 14.62  | 14.75  | 14.70   | 19.49      | 0.0889   |
| 20+20                                           | 1                  | 0         | 1       | 99        |         | 9.55   | 9.74   | 9.72    |            |          |
| 20+20                                           | 1                  | 99        | 1       | 0         |         | 16.99  | 16.93  | 17.09   |            |          |
| 20+20                                           | 1                  | 0         | 0       | 0         |         | 16.87  | 17.05  | 17.03   |            |          |
| 20+20                                           | 100                | 0         | 100     | 0         | 64-QAM  | 14.62  | 14.75  | 14.74   | 18.44      | 0.0698   |
| 20+20                                           | 1                  | 0         | 1       | 99        |         | 9.50   | 9.66   | 9.72    |            |          |
| 20+20                                           | 1                  | 0         | 1       | 99        | 256-QAM | 9.24   | 9.37   | 9.34    | 15.32      | 0.0340   |
| 20+20                                           | 1                  | 99        | 1       | 0         |         | 12.63  | 12.92  | 12.88   |            |          |
| 20+15                                           | 100                | 0         | 75      | 0         | QPSK    | 15.60  | 15.73  | 15.71   | 19.91      | 0.0979   |
| 20+15                                           | 1                  | 0         | 1       | 74        |         | 9.12   | 9.30   | 9.31    |            |          |
| 20+15                                           | 1                  | 99        | 1       | 0         |         | 17.45  | 17.49  | 17.51   |            |          |
| 20+15                                           | 1                  | 0         | 0       | 0         |         | 17.24  | 17.43  | 17.37   |            |          |
| 20+15                                           | 100                | 0         | 75      | 0         | 16-QAM  | 14.60  | 14.71  | 14.73   | 19.51      | 0.0893   |
| 20+15                                           | 1                  | 0         | 1       | 74        |         | 9.61   | 9.69   | 9.75    |            |          |
| 20+15                                           | 1                  | 99        | 1       | 0         |         | 17.01  | 17.05  | 16.96   |            |          |
| 20+15                                           | 1                  | 0         | 0       | 0         |         | 16.92  | 17.11  | 17.07   |            |          |
| 20+15                                           | 100                | 0         | 75      | 0         | 64-QAM  | 14.64  | 14.71  | 14.70   | 18.41      | 0.0693   |
| 20+15                                           | 1                  | 0         | 1       | 74        |         | 9.49   | 9.66   | 9.65    |            |          |
| 20+15                                           | 1                  | 99        | 1       | 0         |         | 16.01  | 15.91  | 16.01   |            |          |
| 20+15                                           | 100                | 0         | 75      | 0         |         | 12.61  | 12.73  | 12.72   |            |          |
| 20+15                                           | 1                  | 0         | 1       | 74        | 256-QAM | 9.22   | 9.45   | 9.52    | 15.13      | 0.0326   |
| 20+15                                           | 1                  | 99        | 1       | 0         |         | 12.64  | 12.72  | 12.72   |            |          |
| 15+20                                           | 75                 | 0         | 100     | 0         | QPSK    | 15.59  | 15.74  | 15.75   | 19.88      | 0.0973   |
| 15+20                                           | 1                  | 0         | 1       | 99        |         | 9.05   | 9.24   | 9.26    |            |          |
| 15+20                                           | 1                  | 74        | 1       | 0         |         | 17.45  | 17.48  | 17.45   |            |          |
| 15+20                                           | 1                  | 0         | 0       | 0         |         | 17.20  | 17.39  | 17.32   |            |          |
| 15+20                                           | 75                 | 0         | 100     | 0         | 16-QAM  | 14.63  | 14.75  | 14.74   | 19.48      | 0.0887   |
| 15+20                                           | 1                  | 0         | 1       | 99        |         | 9.53   | 9.75   | 9.77    |            |          |
| 15+20                                           | 1                  | 74        | 1       | 0         |         | 16.87  | 17.03  | 16.99   |            |          |
| 15+20                                           | 1                  | 0         | 0       | 0         |         | 16.83  | 17.05  | 17.08   |            |          |
| 15+20                                           | 75                 | 0         | 100     | 0         | 64-QAM  | 14.65  | 14.76  | 14.72   | 18.5       | 0.0708   |
| 15+20                                           | 1                  | 0         | 1       | 99        |         | 9.43   | 9.72   | 9.66    |            |          |
| 15+20                                           | 1                  | 74        | 1       | 0         |         | 15.96  | 15.99  | 16.10   |            |          |
| 15+20                                           | 75                 | 0         | 100     | 0         |         | 12.62  | 12.75  | 12.77   |            |          |
| 15+20                                           | 1                  | 0         | 1       | 99        | 256-QAM | 9.08   | 9.57   | 9.34    | 15.47      | 0.0352   |
| 15+20                                           | 1                  | 74        | 1       | 0         |         | 12.69  | 12.83  | 13.07   |            |          |
| Limit                                           | EIRP < 23dBm/10MHz |           |         |           |         | Result |        |         | Pass       |          |

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.

| Part 96 LTE Band 48C_CA Maximum Average Power [dBm] (GT - LC = 2.4 dB) |                    |           |         |           |         |        |        |         |            |          |
|------------------------------------------------------------------------|--------------------|-----------|---------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                               | PCC                |           | SCC     |           | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
|                                                                        | RB Size            | RB Offset | RB Size | RB Offset |         |        |        |         |            |          |
| 20+10                                                                  | 100                | 0         | 50      | 0         | QPSK    | 15.64  | 15.73  | 15.66   | 19.91      | 0.0979   |
| 20+10                                                                  | 1                  | 0         | 1       | 49        |         | 9.13   | 9.30   | 9.29    |            |          |
| 20+10                                                                  | 1                  | 99        | 1       | 0         |         | 17.48  | 17.44  | 17.51   |            |          |
| 20+10                                                                  | 1                  | 0         | 0       | 0         |         | 17.23  | 17.45  | 17.35   |            |          |
| 20+10                                                                  | 100                | 0         | 50      | 0         | 16-QAM  | 14.61  | 14.75  | 14.69   | 19.61      | 0.0914   |
| 20+10                                                                  | 1                  | 0         | 1       | 49        |         | 9.65   | 9.81   | 9.78    |            |          |
| 20+10                                                                  | 1                  | 99        | 1       | 0         |         | 16.99  | 17.03  | 17.04   |            |          |
| 20+10                                                                  | 1                  | 0         | 0       | 0         |         | 16.96  | 17.21  | 17.10   |            |          |
| 20+10                                                                  | 100                | 0         | 50      | 0         | 64-QAM  | 14.65  | 14.75  | 14.70   | 18.42      | 0.0695   |
| 20+10                                                                  | 1                  | 0         | 1       | 49        |         | 9.51   | 9.74   | 9.68    |            |          |
| 20+10                                                                  | 1                  | 99        | 1       | 0         |         | 15.91  | 15.96  | 16.02   |            |          |
| 20+10                                                                  | 100                | 0         | 50      | 0         | 256-QAM | 12.63  | 12.70  | 12.70   | 15.3       | 0.0339   |
| 20+10                                                                  | 1                  | 0         | 1       | 49        |         | 9.22   | 9.54   | 9.45    |            |          |
| 20+10                                                                  | 1                  | 99        | 1       | 0         |         | 12.88  | 12.90  | 12.80   |            |          |
| 10+20                                                                  | 50                 | 0         | 100     | 0         | QPSK    | 15.65  | 15.78  | 15.77   | 19.93      | 0.0984   |
| 10+20                                                                  | 1                  | 0         | 1       | 99        |         | 9.10   | 9.32   | 9.32    |            |          |
| 10+20                                                                  | 1                  | 49        | 1       | 0         |         | 17.38  | 17.53  | 17.53   |            |          |
| 10+20                                                                  | 1                  | 0         | 0       | 0         |         | 17.25  | 17.47  | 17.39   |            |          |
| 10+20                                                                  | 50                 | 0         | 100     | 0         | 16-QAM  | 14.63  | 14.79  | 14.79   | 19.56      | 0.0904   |
| 10+20                                                                  | 1                  | 0         | 1       | 99        |         | 9.60   | 9.86   | 9.79    |            |          |
| 10+20                                                                  | 1                  | 49        | 1       | 0         |         | 16.98  | 17.14  | 17.08   |            |          |
| 10+20                                                                  | 1                  | 0         | 0       | 0         |         | 16.94  | 17.16  | 17.16   |            |          |
| 10+20                                                                  | 50                 | 0         | 100     | 0         | 64-QAM  | 14.66  | 14.79  | 14.76   | 18.43      | 0.0697   |
| 10+20                                                                  | 1                  | 0         | 1       | 99        |         | 9.47   | 9.74   | 9.67    |            |          |
| 10+20                                                                  | 1                  | 49        | 1       | 0         |         | 15.90  | 16.03  | 16.02   |            |          |
| 10+20                                                                  | 50                 | 0         | 100     | 0         |         | 12.66  | 12.77  | 12.79   |            |          |
| 10+20                                                                  | 1                  | 0         | 1       | 99        | 256-QAM | 9.23   | 9.49   | 9.50    | 15.28      | 0.0337   |
| 10+20                                                                  | 1                  | 49        | 1       | 0         |         | 12.83  | 12.88  | 12.73   |            |          |
| 20+5                                                                   | 100                | 0         | 25      | 0         | QPSK    | 15.66  | 15.70  | 15.70   | 19.92      | 0.0982   |
| 20+5                                                                   | 1                  | 0         | 1       | 24        |         | 9.12   | 9.34   | 9.28    |            |          |
| 20+5                                                                   | 1                  | 99        | 1       | 0         |         | 17.52  | 17.49  | 17.49   |            |          |
| 20+5                                                                   | 1                  | 0         | 0       | 0         |         | 17.24  | 17.45  | 17.37   |            |          |
| 20+5                                                                   | 100                | 0         | 25      | 0         | 16-QAM  | 14.64  | 14.71  | 14.72   | 19.52      | 0.0895   |
| 20+5                                                                   | 1                  | 0         | 1       | 24        |         | 9.63   | 9.77   | 9.79    |            |          |
| 20+5                                                                   | 1                  | 99        | 1       | 0         |         | 16.99  | 16.98  | 17.06   |            |          |
| 20+5                                                                   | 1                  | 0         | 0       | 0         |         | 16.94  | 17.11  | 17.12   |            |          |
| 20+5                                                                   | 100                | 0         | 25      | 0         | 64-QAM  | 14.62  | 14.70  | 14.70   | 18.52      | 0.0711   |
| 20+5                                                                   | 1                  | 0         | 1       | 24        |         | 9.56   | 9.69   | 9.73    |            |          |
| 20+5                                                                   | 1                  | 99        | 1       | 0         |         | 15.95  | 16.03  | 16.12   |            |          |
| 20+5                                                                   | 100                | 0         | 25      | 0         |         | 12.63  | 12.70  | 12.71   |            |          |
| 20+5                                                                   | 1                  | 0         | 1       | 24        | 256-QAM | 9.31   | 9.48   | 9.53    | 15.43      | 0.0349   |
| 20+5                                                                   | 1                  | 99        | 1       | 0         |         | 12.75  | 12.91  | 13.03   |            |          |
| Limit                                                                  | EIRP < 23dBm/10MHz |           |         |           |         | Result |        |         | Pass       |          |

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.

| Part 96 LTE Band 48C_CA Maximum Average Power [dBm] (GT - LC = 2.4 dB) |                    |           |         |           |         |        |        |         |            |          |
|------------------------------------------------------------------------|--------------------|-----------|---------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                               | PCC                |           | SCC     |           | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
|                                                                        | RB Size            | RB Offset | RB Size | RB Offset |         |        |        |         |            |          |
| 5+20                                                                   | 25                 | 0         | 100     | 0         | QPSK    | 15.57  | 15.78  | 15.76   | 19.99      | 0.0998   |
| 5+20                                                                   | 1                  | 0         | 1       | 99        |         | 9.06   | 9.34   | 9.28    |            |          |
| 5+20                                                                   | 1                  | 24        | 1       | 0         |         | 17.48  | 17.58  | 17.59   |            |          |
| 5+20                                                                   | 1                  | 0         | 0       | 0         |         | 17.32  | 17.50  | 17.49   |            |          |
| 5+20                                                                   | 25                 | 0         | 100     | 0         | 16-QAM  | 14.62  | 14.80  | 14.80   | 19.60      | 0.0912   |
| 5+20                                                                   | 1                  | 0         | 1       | 99        |         | 9.53   | 9.72   | 9.77    |            |          |
| 5+20                                                                   | 1                  | 24        | 1       | 0         |         | 17.00  | 17.20  | 17.12   |            |          |
| 5+20                                                                   | 1                  | 0         | 0       | 0         |         | 16.94  | 17.20  | 17.19   |            |          |
| 5+20                                                                   | 25                 | 0         | 100     | 0         | 64-QAM  | 14.62  | 14.79  | 14.74   | 18.6       | 0.0724   |
| 5+20                                                                   | 1                  | 0         | 1       | 99        |         | 9.49   | 9.69   | 9.58    |            |          |
| 5+20                                                                   | 1                  | 24        | 1       | 0         |         | 15.99  | 16.20  | 16.12   |            |          |
| 5+20                                                                   | 25                 | 0         | 100     | 0         | 256-QAM | 12.58  | 12.17  | 12.77   | 15.44      | 0.0350   |
| 5+20                                                                   | 1                  | 0         | 1       | 99        |         | 9.14   | 9.45   | 9.48    |            |          |
| 5+20                                                                   | 1                  | 24        | 1       | 0         |         | 12.71  | 13.04  | 12.93   |            |          |
| Limit                                                                  | EIRP < 23dBm/10MHz |           |         |           |         | Result |        |         | Pass       |          |

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.

| Part 96 LTE Band 48B_CA Maximum Average Power [dBm] (GT - LC = 2.4 dB) |                    |           |         |           |         |        |        |         |            |          |
|------------------------------------------------------------------------|--------------------|-----------|---------|-----------|---------|--------|--------|---------|------------|----------|
| BW [MHz]                                                               | PCC                |           | SCC     |           | Mod     | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
|                                                                        | RB Size            | RB Offset | RB Size | RB Offset |         |        |        |         |            |          |
| 10+10                                                                  | 50                 | 0         | 50      | 0         | QPSK    | 15.69  | 15.78  | 15.81   | 20.01      | 0.1002   |
| 10+10                                                                  | 1                  | 0         | 1       | 49        |         | 7.02   | 7.30   | 7.27    |            |          |
| 10+10                                                                  | 1                  | 49        | 1       | 0         |         | 17.41  | 17.56  | 17.54   |            |          |
| 10+10                                                                  | 1                  | 0         | 0       | 0         |         | 17.35  | 17.61  | 17.57   |            |          |
| 10+10                                                                  | 50                 | 0         | 50      | 0         | 16-QAM  | 14.65  | 14.76  | 14.78   | 19.57      | 0.0906   |
| 10+10                                                                  | 1                  | 0         | 1       | 49        |         | 7.50   | 7.80   | 7.78    |            |          |
| 10+10                                                                  | 1                  | 49        | 1       | 0         |         | 16.87  | 17.13  | 17.08   |            |          |
| 10+10                                                                  | 1                  | 0         | 0       | 0         |         | 16.89  | 17.17  | 17.10   |            |          |
| 10+10                                                                  | 50                 | 0         | 50      | 0         | 64-QAM  | 13.82  | 14.80  | 14.71   | 18.54      | 0.0714   |
| 10+10                                                                  | 1                  | 0         | 1       | 49        |         | 7.48   | 7.68   | 7.71    |            |          |
| 10+10                                                                  | 1                  | 49        | 1       | 0         |         | 15.89  | 16.14  | 16.11   |            |          |
| 10+10                                                                  | 50                 | 0         | 50      | 0         |         | 12.25  | 12.77  | 12.82   |            |          |
| 10+10                                                                  | 1                  | 0         | 1       | 49        | 256-QAM | 7.03   | 7.53   | 7.69    | 15.38      | 0.0345   |
| 10+10                                                                  | 1                  | 49        | 1       | 0         |         | 12.71  | 12.84  | 12.98   |            |          |
| Limit                                                                  | EIRP < 23dBm/10MHz |           |         |           |         | Result |        |         | Pass       |          |

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.

### Conducted Output Power (Average power and EIRP)

| Part 96 LTE Band 48 Maximum Average Power [dBm] (GT - LC = 2.4 dB) |                    |           |        |        |        |         |            |          |
|--------------------------------------------------------------------|--------------------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                           | RB Size            | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20                                                                 | 1                  | 0         | QPSK   | 17.24  | 17.27  | 17.33   | 19.81      | 0.0957   |
| 20                                                                 | 1                  | 49        |        | 17.21  | 17.31  | 17.12   |            |          |
| 20                                                                 | 1                  | 99        |        | 17.01  | 17.03  | 17.00   |            |          |
| 20                                                                 | 50                 | 0         |        | 17.41  | 17.35  | 17.25   |            |          |
| 20                                                                 | 50                 | 24        |        | 17.28  | 17.35  | 17.22   |            |          |
| 20                                                                 | 50                 | 50        |        | 17.30  | 17.27  | 17.16   |            |          |
| 20                                                                 | 100                | 0         |        | 17.26  | 17.23  | 17.19   |            |          |
| 20                                                                 | 1                  | 0         | 16-QAM | 17.17  | 17.33  | 17.09   | 19.98      | 0.0995   |
| 20                                                                 | 1                  | 49        |        | 17.09  | 17.00  | 17.25   |            |          |
| 20                                                                 | 1                  | 99        |        | 17.58  | 17.03  | 17.06   |            |          |
| 20                                                                 | 50                 | 0         |        | 17.00  | 17.32  | 17.14   |            |          |
| 20                                                                 | 50                 | 24        |        | 17.41  | 17.22  | 17.30   |            |          |
| 20                                                                 | 50                 | 50        |        | 17.25  | 17.23  | 17.20   |            |          |
| 20                                                                 | 100                | 0         |        | 17.28  | 17.26  | 17.29   |            |          |
| 20                                                                 | 1                  | 0         | 64-QAM | 17.04  | 17.56  | 17.11   | 19.96      | 0.0991   |
| 20                                                                 | 1                  | 49        |        | 17.02  | 17.25  | 17.29   |            |          |
| 20                                                                 | 1                  | 99        |        | 17.36  | 17.36  | 17.16   |            |          |
| 20                                                                 | 50                 | 0         |        | 17.39  | 17.24  | 17.22   |            |          |
| 20                                                                 | 50                 | 24        |        | 17.42  | 17.26  | 17.22   |            |          |
| 20                                                                 | 50                 | 50        |        | 17.32  | 17.40  | 17.17   |            |          |
| 20                                                                 | 100                | 0         |        | 17.39  | 17.20  | 17.24   |            |          |
| Limit                                                              | EIRP < 23dBm/10MHz |           |        | Result |        |         | Pass       |          |

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.

| Part 96 LTE Band 48 Maximum Average Power [dBm] (GT - LC = 2.4 dB) |                    |           |        |        |        |         |            |          |
|--------------------------------------------------------------------|--------------------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                           | RB Size            | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15                                                                 | 1                  | 0         | QPSK   | 17.14  | 17.16  | 17.20   | 19.77      | 0.0948   |
| 15                                                                 | 1                  | 37        |        | 17.19  | 17.21  | 17.09   |            |          |
| 15                                                                 | 1                  | 74        |        | 17.01  | 17.01  | 17.01   |            |          |
| 15                                                                 | 36                 | 0         |        | 17.37  | 17.27  | 17.15   |            |          |
| 15                                                                 | 36                 | 20        |        | 17.24  | 17.26  | 17.10   |            |          |
| 15                                                                 | 36                 | 39        |        | 17.20  | 17.14  | 17.13   |            |          |
| 15                                                                 | 75                 | 0         |        | 17.18  | 17.11  | 17.07   |            |          |
| 15                                                                 | 1                  | 0         | 16-QAM | 17.13  | 17.30  | 17.06   | 19.92      | 0.0982   |
| 15                                                                 | 1                  | 37        |        | 17.06  | 17.00  | 17.24   |            |          |
| 15                                                                 | 1                  | 74        |        | 17.52  | 17.01  | 17.00   |            |          |
| 15                                                                 | 36                 | 0         |        | 17.01  | 17.23  | 17.05   |            |          |
| 15                                                                 | 36                 | 20        |        | 17.27  | 17.18  | 17.24   |            |          |
| 15                                                                 | 36                 | 39        |        | 17.23  | 17.18  | 17.17   |            |          |
| 15                                                                 | 75                 | 0         |        | 17.22  | 17.17  | 17.21   |            |          |
| 15                                                                 | 1                  | 0         | 64-QAM | 17.01  | 17.50  | 17.00   | 19.90      | 0.0977   |
| 15                                                                 | 1                  | 37        |        | 17.01  | 17.18  | 17.15   |            |          |
| 15                                                                 | 1                  | 74        |        | 17.32  | 17.23  | 17.09   |            |          |
| 15                                                                 | 36                 | 0         |        | 17.33  | 17.18  | 17.08   |            |          |
| 15                                                                 | 36                 | 20        |        | 17.40  | 17.16  | 17.14   |            |          |
| 15                                                                 | 36                 | 39        |        | 17.26  | 17.30  | 17.12   |            |          |
| 15                                                                 | 75                 | 0         |        | 17.34  | 17.18  | 17.16   |            |          |
| Limit                                                              | EIRP < 23dBm/10MHz |           |        | Result |        |         | Pass       |          |

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.

| Part 96 LTE Band 48 Maximum Average Power [dBm] (GT - LC = 2.4 dB) |                    |           |        |        |        |         |            |          |
|--------------------------------------------------------------------|--------------------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                           | RB Size            | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10                                                                 | 1                  | 0         | QPSK   | 17.18  | 17.13  | 17.22   | 19.73      | 0.0940   |
| 10                                                                 | 1                  | 25        |        | 17.15  | 17.24  | 17.06   |            |          |
| 10                                                                 | 1                  | 49        |        | 17.00  | 17.00  | 17.01   |            |          |
| 10                                                                 | 25                 | 0         |        | 17.31  | 17.33  | 17.21   |            |          |
| 10                                                                 | 25                 | 12        |        | 17.14  | 17.25  | 17.13   |            |          |
| 10                                                                 | 25                 | 25        |        | 17.26  | 17.23  | 17.08   |            |          |
| 10                                                                 | 50                 | 0         |        | 17.18  | 17.16  | 17.06   |            |          |
| 10                                                                 | 1                  | 0         | 16-QAM | 17.03  | 17.32  | 17.06   | 19.92      | 0.0982   |
| 10                                                                 | 1                  | 25        |        | 17.00  | 17.00  | 17.21   |            |          |
| 10                                                                 | 1                  | 49        |        | 17.52  | 17.01  | 17.02   |            |          |
| 10                                                                 | 25                 | 0         |        | 17.00  | 17.28  | 17.04   |            |          |
| 10                                                                 | 25                 | 12        |        | 17.27  | 17.17  | 17.20   |            |          |
| 10                                                                 | 25                 | 25        |        | 17.23  | 17.11  | 17.19   |            |          |
| 10                                                                 | 50                 | 0         |        | 17.17  | 17.24  | 17.16   |            |          |
| 10                                                                 | 1                  | 0         | 64-QAM | 17.00  | 17.53  | 17.01   | 19.93      | 0.0984   |
| 10                                                                 | 1                  | 25        |        | 17.01  | 17.10  | 17.16   |            |          |
| 10                                                                 | 1                  | 49        |        | 17.25  | 17.22  | 17.07   |            |          |
| 10                                                                 | 25                 | 0         |        | 17.26  | 17.19  | 17.16   |            |          |
| 10                                                                 | 25                 | 12        |        | 17.38  | 17.23  | 17.10   |            |          |
| 10                                                                 | 25                 | 25        |        | 17.22  | 17.38  | 17.12   |            |          |
| 10                                                                 | 50                 | 0         |        | 17.35  | 17.09  | 17.22   |            |          |
| Limit                                                              | EIRP < 23dBm/10MHz |           |        | Result |        |         | Pass       |          |

Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.

| Part 96 LTE Band 48 Maximum Average Power [dBm] (GT - LC = 2.4 dB) |                    |           |        |        |        |         |            |          |
|--------------------------------------------------------------------|--------------------|-----------|--------|--------|--------|---------|------------|----------|
| BW [MHz]                                                           | RB Size            | RB Offset | Mod    | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5                                                                  | 1                  | 0         | QPSK   | 17.14  | 17.18  | 17.31   | 19.71      | 0.0935   |
| 5                                                                  | 1                  | 12        |        | 17.09  | 17.25  | 17.03   |            |          |
| 5                                                                  | 1                  | 24        |        | 17.01  | 17.02  | 17.00   |            |          |
| 5                                                                  | 12                 | 0         |        | 17.29  | 17.31  | 17.12   |            |          |
| 5                                                                  | 12                 | 7         |        | 17.26  | 17.25  | 17.12   |            |          |
| 5                                                                  | 12                 | 13        |        | 17.17  | 17.17  | 17.05   |            |          |
| 5                                                                  | 25                 | 0         |        | 17.25  | 17.12  | 17.12   |            |          |
| 5                                                                  | 1                  | 0         | 16-QAM | 17.11  | 17.22  | 17.01   | 19.85      | 0.0966   |
| 5                                                                  | 1                  | 12        |        | 17.02  | 17.01  | 17.24   |            |          |
| 5                                                                  | 1                  | 24        |        | 17.45  | 17.01  | 17.00   |            |          |
| 5                                                                  | 12                 | 0         |        | 17.00  | 17.19  | 17.08   |            |          |
| 5                                                                  | 12                 | 7         |        | 17.29  | 17.18  | 17.27   |            |          |
| 5                                                                  | 12                 | 13        |        | 17.11  | 17.08  | 17.17   |            |          |
| 5                                                                  | 25                 | 0         |        | 17.13  | 17.25  | 17.24   |            |          |
| 5                                                                  | 1                  | 0         | 64-QAM | 17.01  | 17.45  | 17.04   | 19.85      | 0.0966   |
| 5                                                                  | 1                  | 12        |        | 17.00  | 17.12  | 17.15   |            |          |
| 5                                                                  | 1                  | 24        |        | 17.21  | 17.34  | 17.11   |            |          |
| 5                                                                  | 12                 | 0         |        | 17.27  | 17.19  | 17.08   |            |          |
| 5                                                                  | 12                 | 7         |        | 17.28  | 17.17  | 17.13   |            |          |
| 5                                                                  | 12                 | 13        |        | 17.21  | 17.39  | 17.15   |            |          |
| 5                                                                  | 25                 | 0         |        | 17.26  | 17.08  | 17.12   |            |          |
| Limit                                                              | EIRP < 23dBm/10MHz |           |        | Result |        |         | Pass       |          |

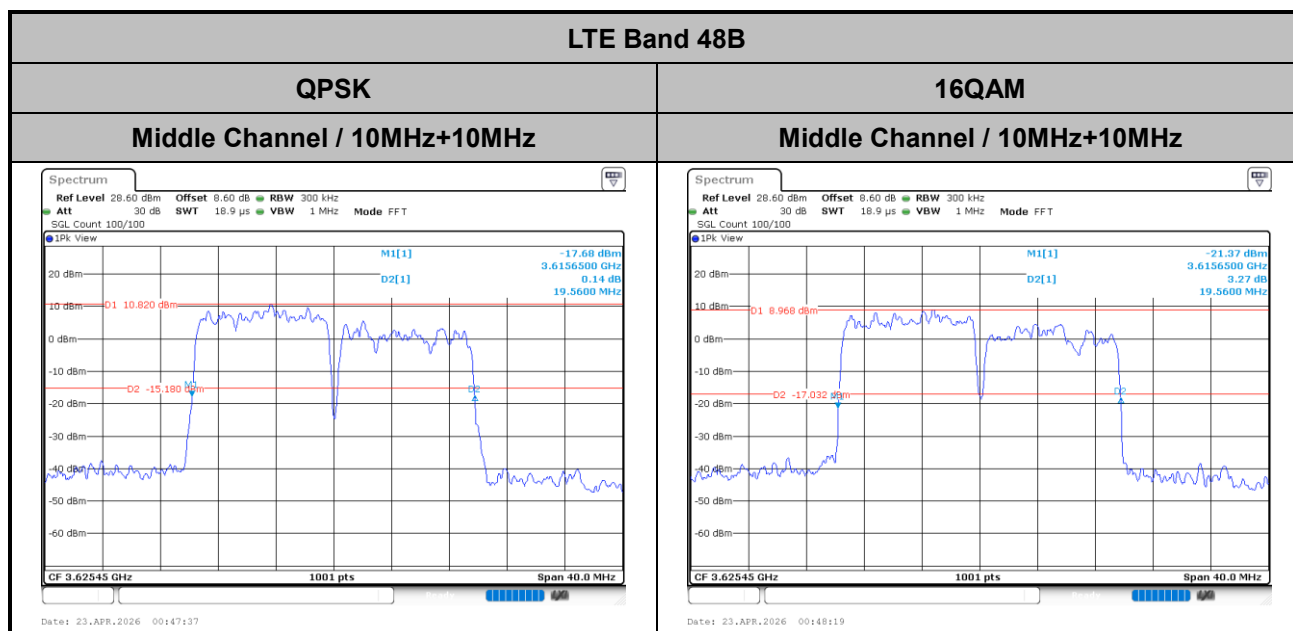
Total EIRP power is less than partial EIRP limit 23 dBm/10MHz.



## LTE Band 48B

## 26dB Bandwidth

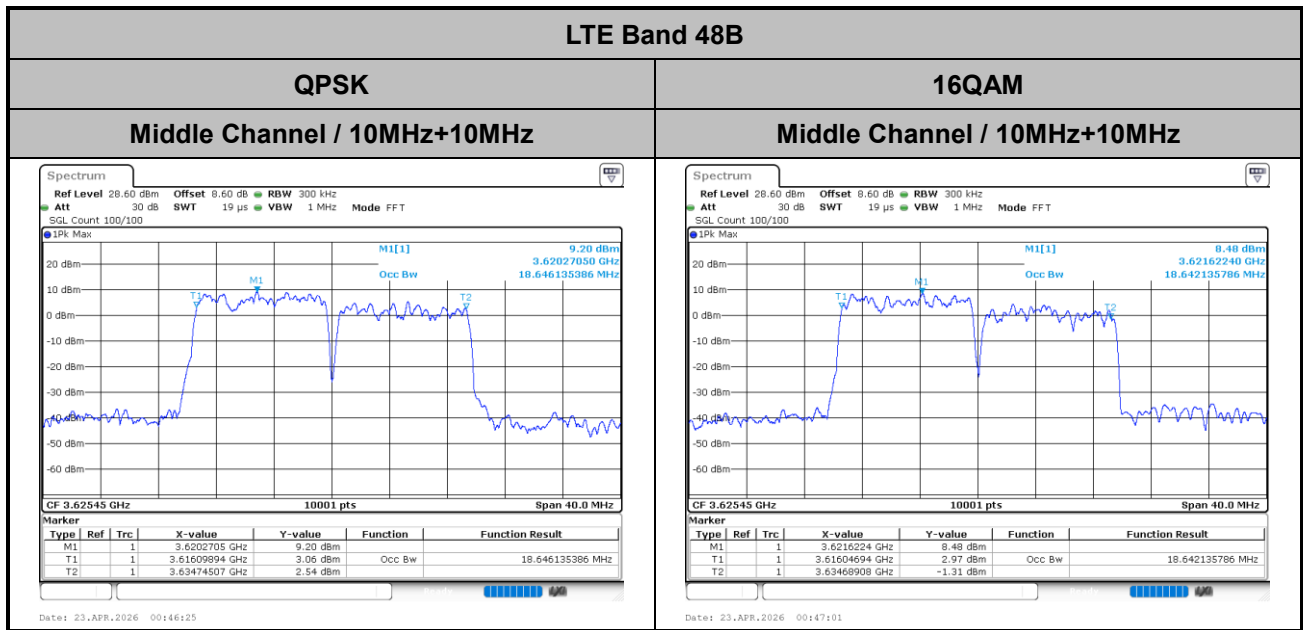
| Mode      | LTE Band 48B : 26dB BW(MHz) |       |
|-----------|-----------------------------|-------|
|           | 10MHz+10MHz                 |       |
| BW        | QPSK                        | 16QAM |
| Middle CH | 19.56                       | 19.56 |





## Occupied Bandwidth

|           |                            |       |
|-----------|----------------------------|-------|
| Mode      | LTE Band 48B : 99%OBW(MHz) |       |
|           | 10MHz+10MHz                |       |
| BW        | QPSK                       | 16QAM |
| Middle CH | 18.64                      | 18.64 |





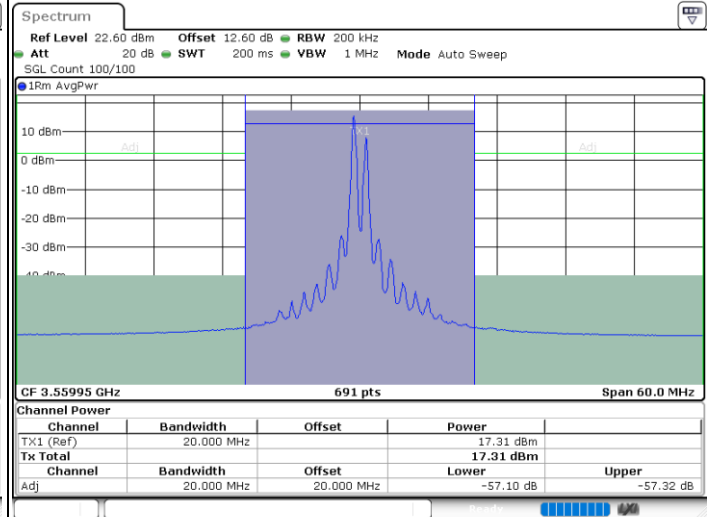
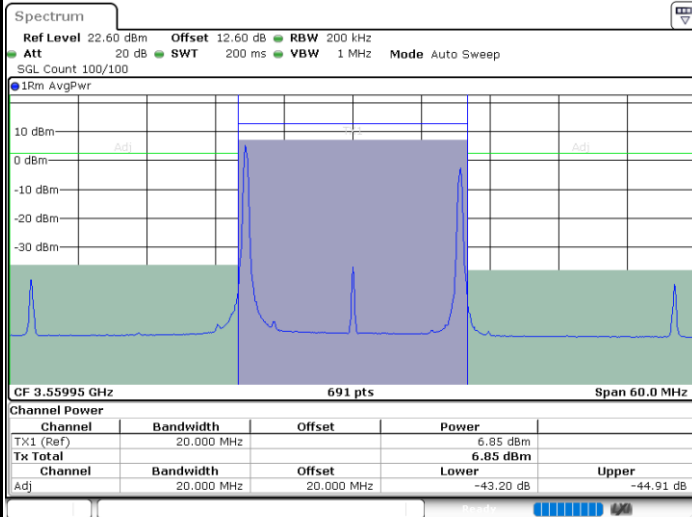
## ACLR

## LTE Band 48B / 10MHz+10MHz

## QPSK

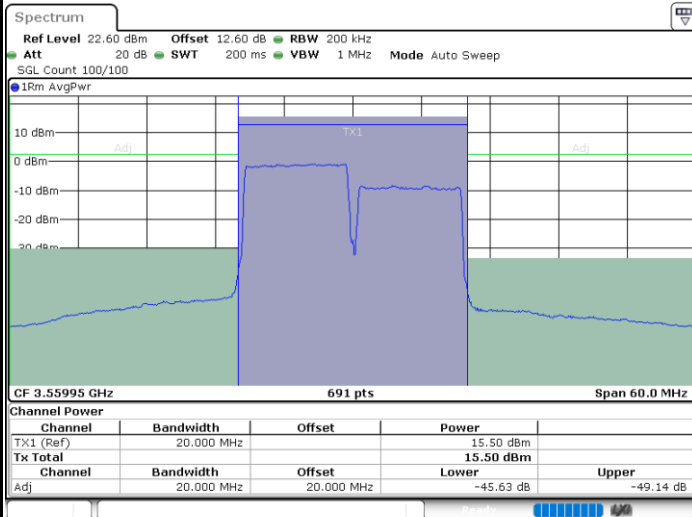
## Lowest Channel / 1RB0 and 1RB49

## Lowest Channel / 1RB49 and 1RB0



## Lowest Channel / FullIRB

## N/A



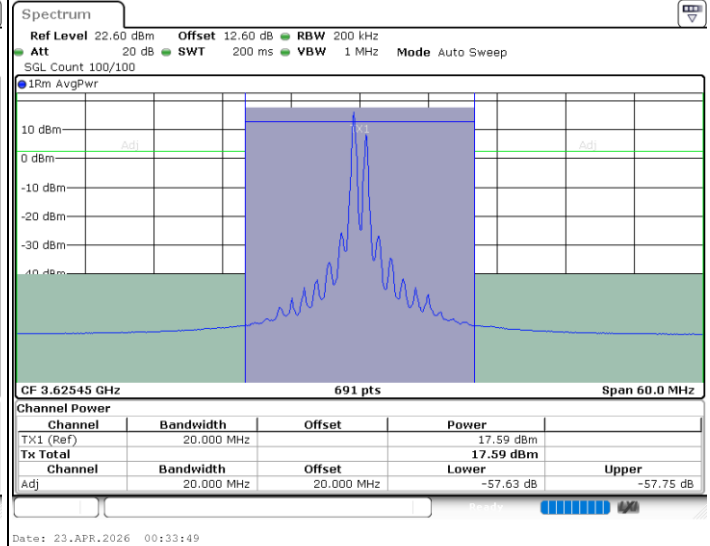
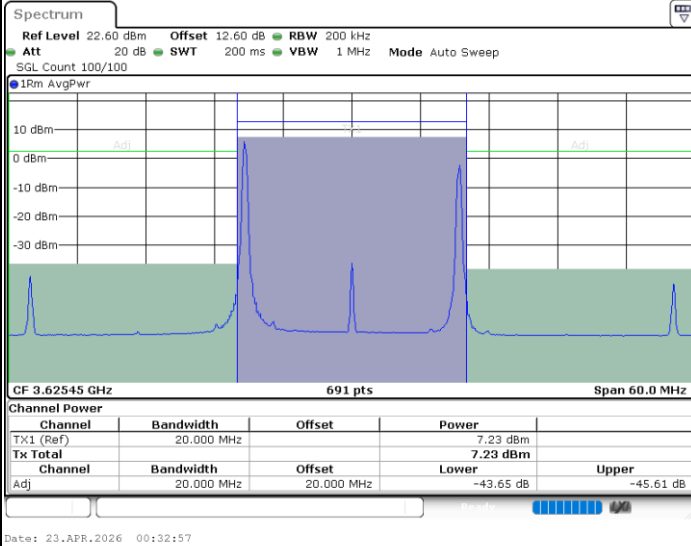


## LTE Band 48B / 10MHz+10MHz

## QPSK

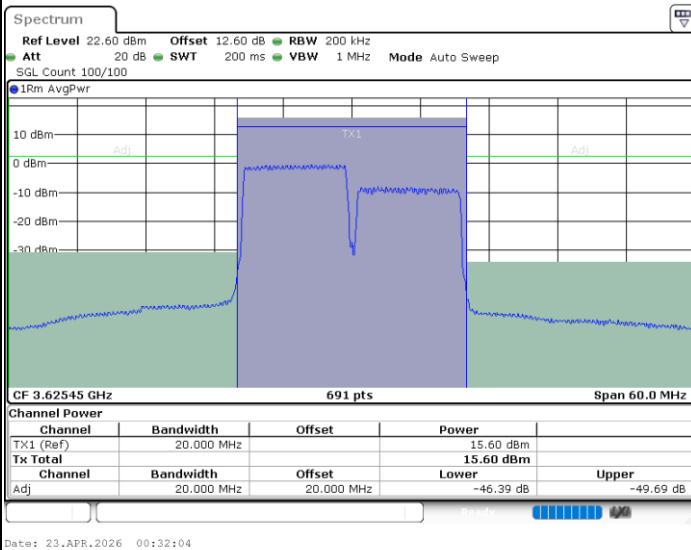
## Middle Channel / 1RB0 and 1RB49

## Middle Channel / 1RB49 and 1RB0



## Middle Channel / FullRB

## N/A



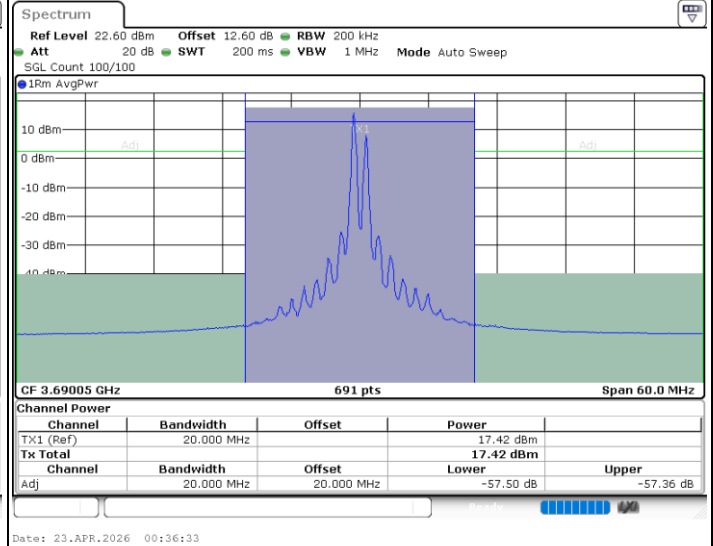
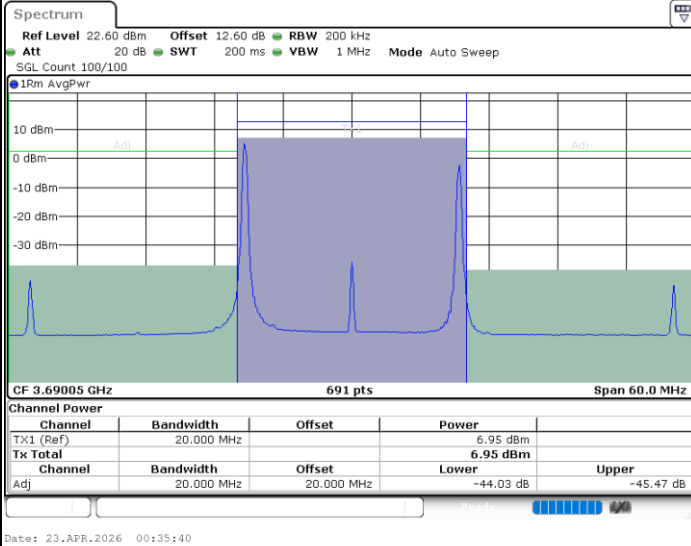


## LTE Band 48B / 10MHz+10MHz

## QPSK

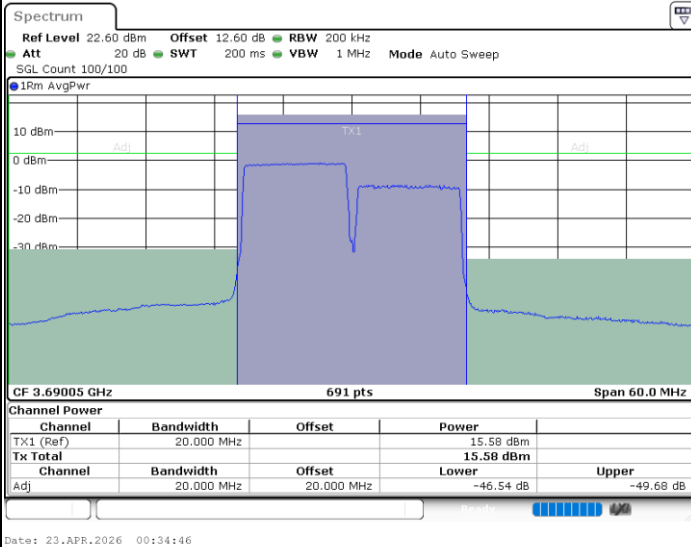
## Highest Channel / 1RB0 and 1RB49

## Highest Channel / 1RB49 and 1RB0



## Highest Channel / FullIRB

N/A



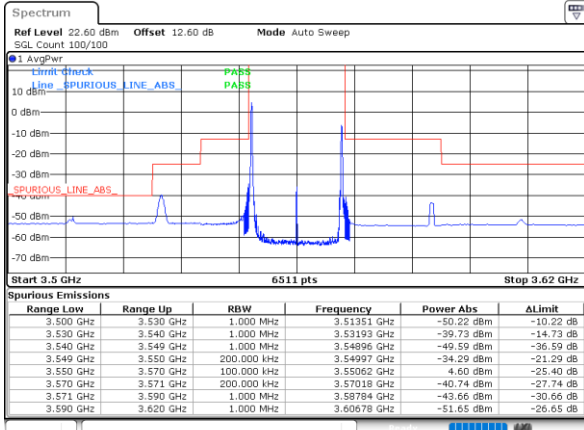


# Conducted Band Edge

## LTE Band 48B / 10MHz+10MHz

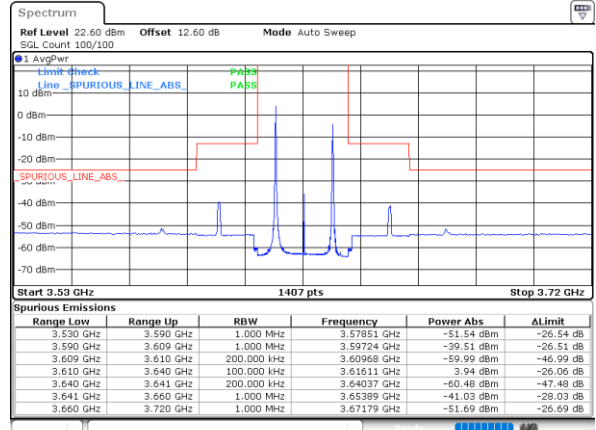
### QPSK

#### Lowest Band Edge / 1RB0 and 1RB49



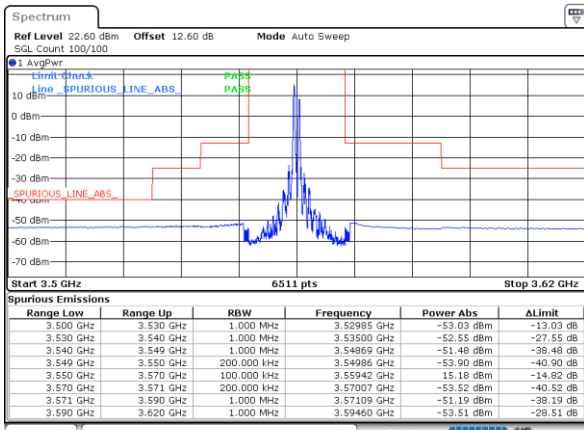
Date: 23.APR.2026 00:19:09

#### Middle Band Edge / 1RB0 and 1RB49



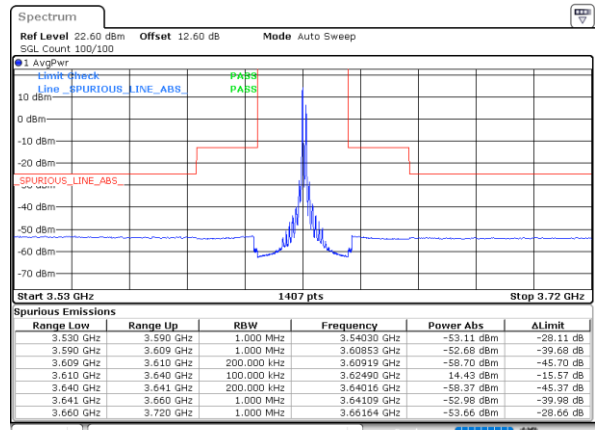
Date: 23.APR.2026 00:12:05

#### Lowest Band Edge / 1RB49 and 1RB0



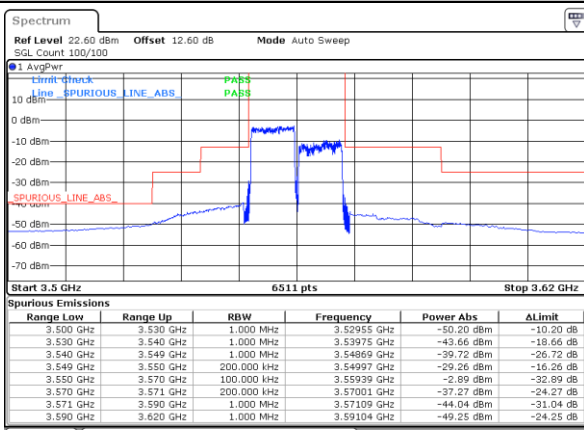
Date: 23.APR.2026 00:20:28

#### Middle Band Edge / 1RB49 and 1RB0



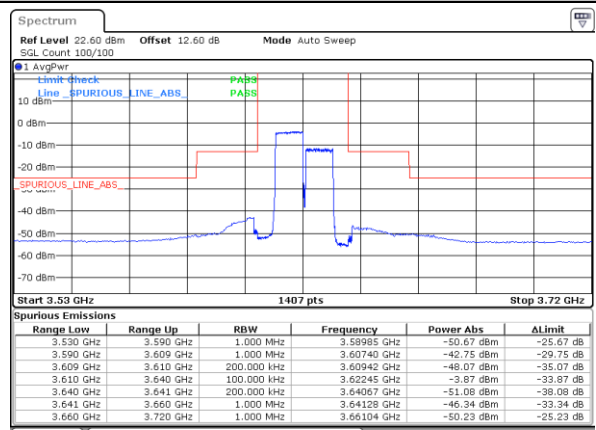
Date: 23.APR.2026 00:24:22

#### Lowest Band Edge / Full RB



Date: 23.APR.2026 00:17:51

#### Middle Band Edge / Full RB



Date: 23.APR.2026 00:21:48

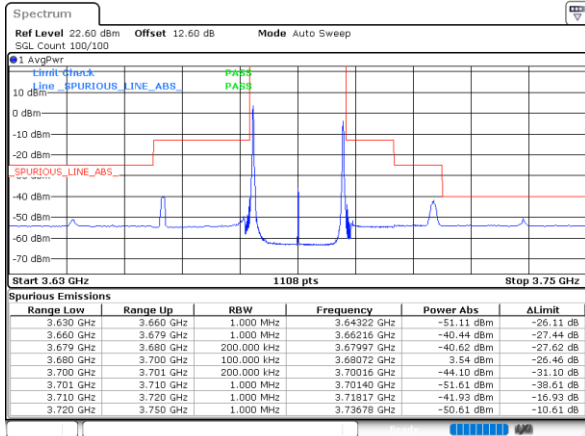


## LTE Band 48B / 10MHz+10MHz

## QPSK

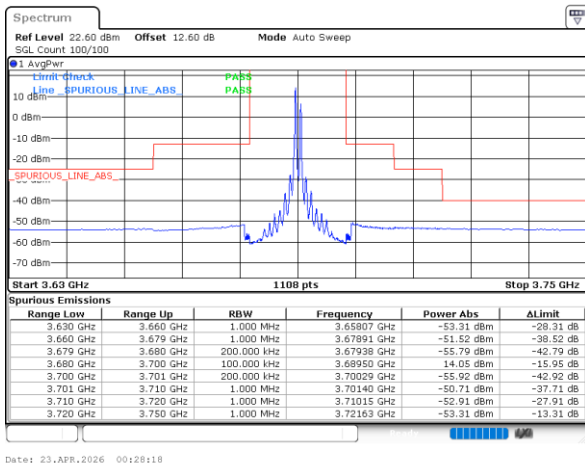
## Highest Band Edge / 1RB0 and 1RB49

N/A



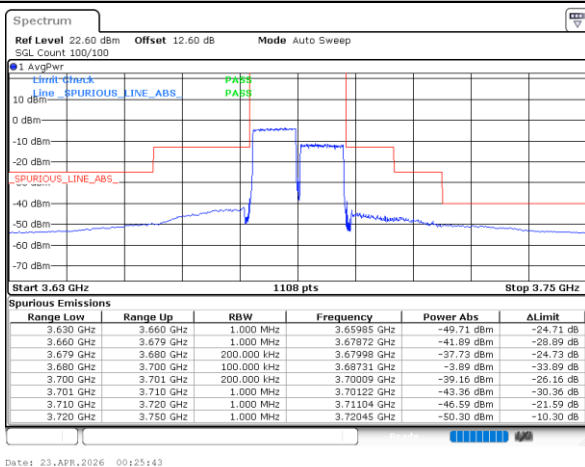
## Highest Band Edge / 1RB49 and 1RB0

N/A



## Highest Band Edge / Full RB

N/A





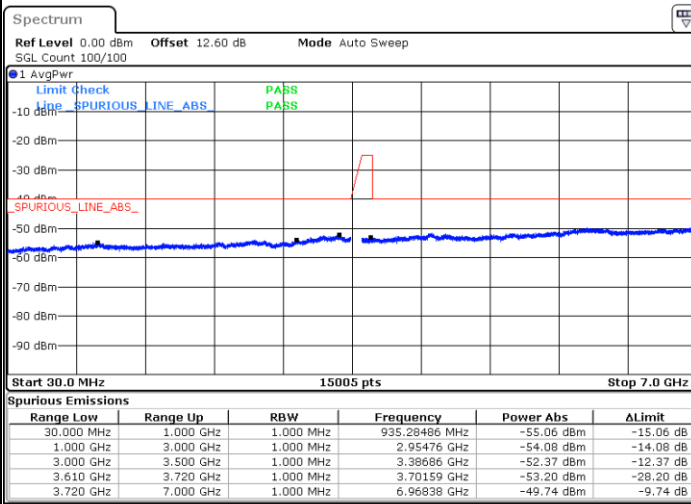
# Conducted Spurious Emission

## LTE Band 48B / 10MHz+10MHz

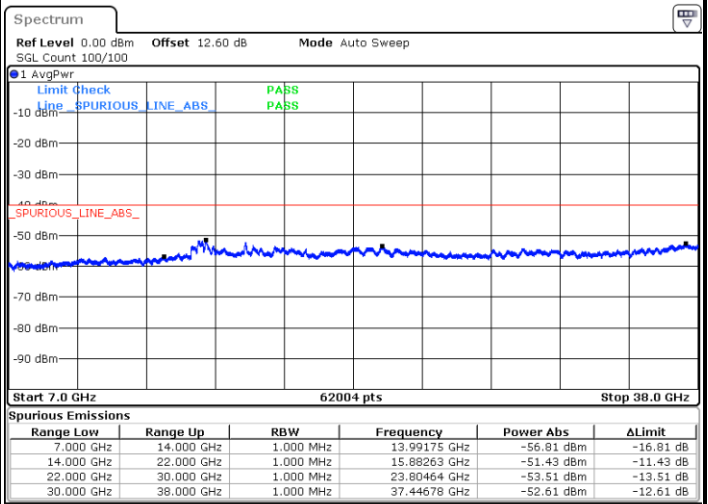
### QPSK

#### Lowest Channel / 1RB0 and 1RB49

#### Lowest Channel / 1RB49 and 1RB0



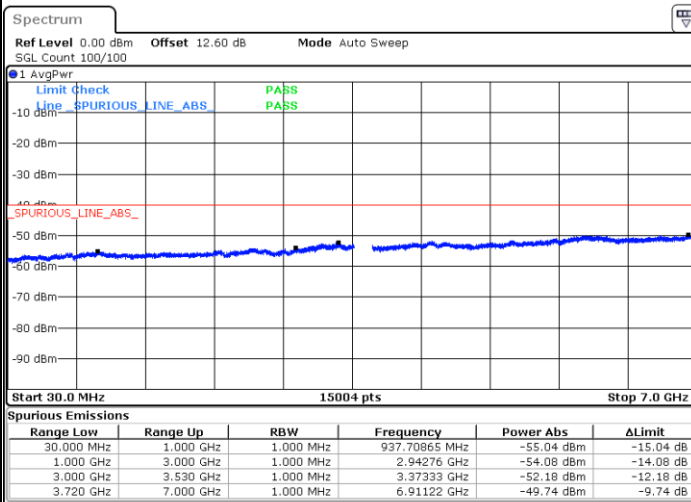
Date: 23.APR.2026 00:39:30



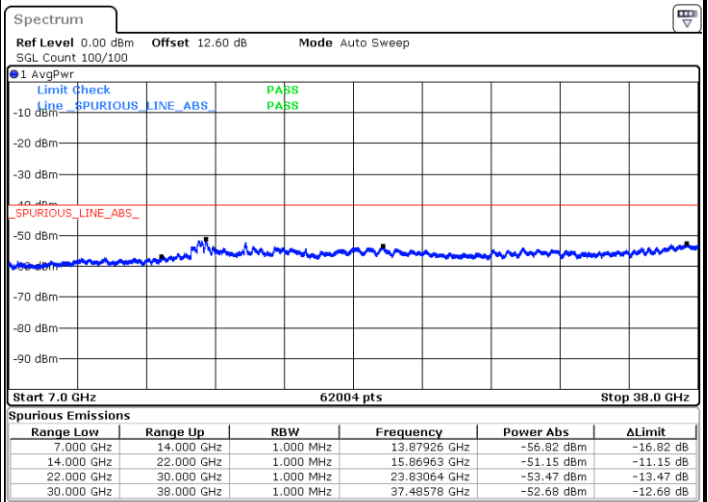
Date: 23.APR.2026 01:07:34

#### Middle Channel / 1RB0 and 1RB49

#### Middle Channel / 1RB49 and 1RB0



Date: 23.APR.2026 00:41:03



Date: 23.APR.2026 01:09:11

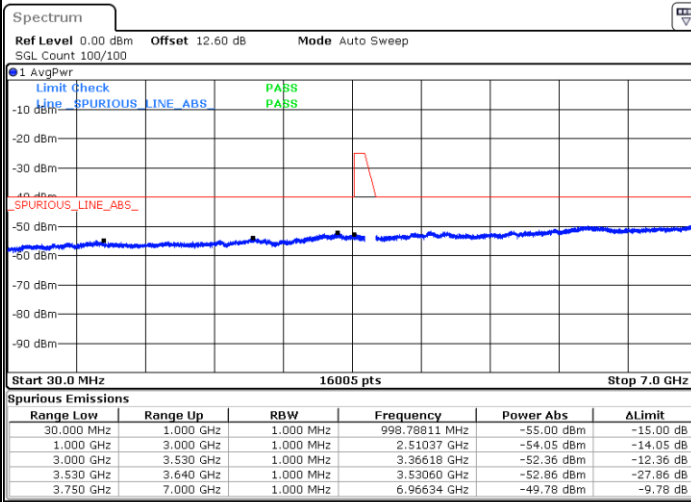


## LTE Band 48B / 10MHz+10MHz

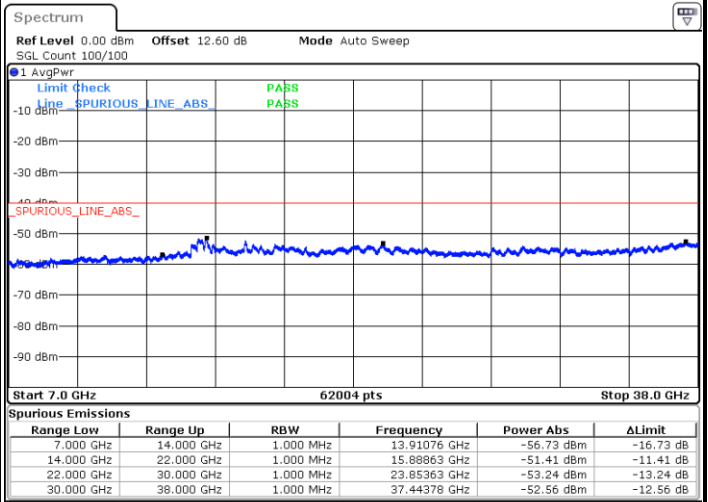
## QPSK

## Highest Channel / 1RB0 and 1RB49

## Highest Channel / 1RB49 and 1RB0



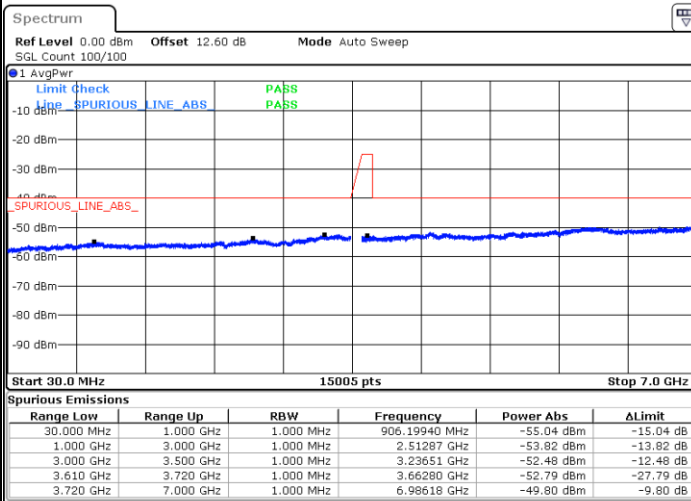
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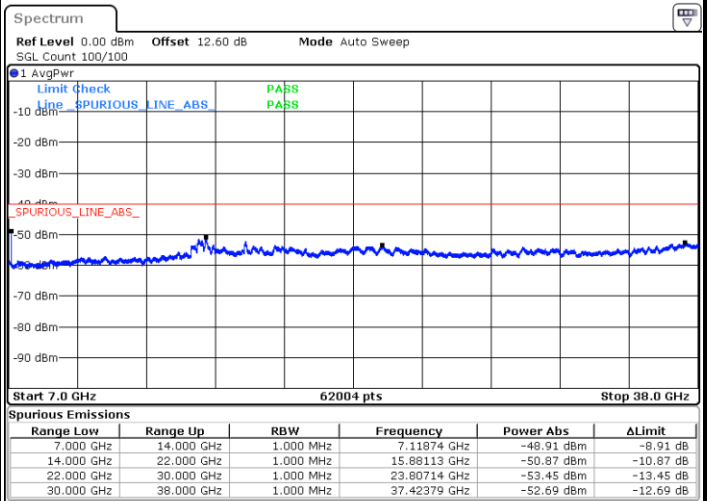
Date: 23.APR.2026 01:13:47

## Lowest Channel / 1RB0 and 1RB49

## Lowest Channel / 1RB49 and 1RB0



Date: 23.APR.2026 00:38:02



Date: 23.APR.2026 01:06:02

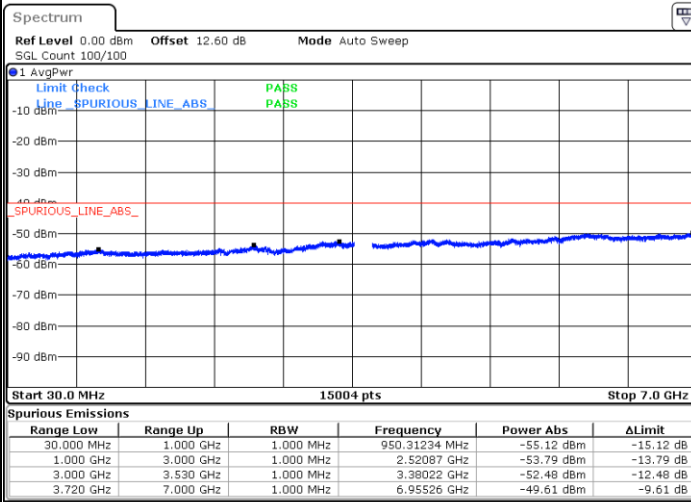


## LTE Band 48B / 10MHz+10MHz

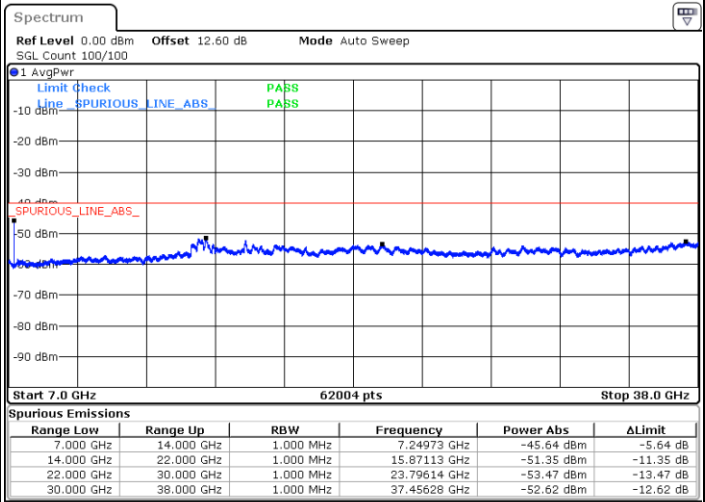
## QPSK

## Middle Channel / 1RB0 and 1RB49

## Middle Channel / 1RB49 and 1RB0



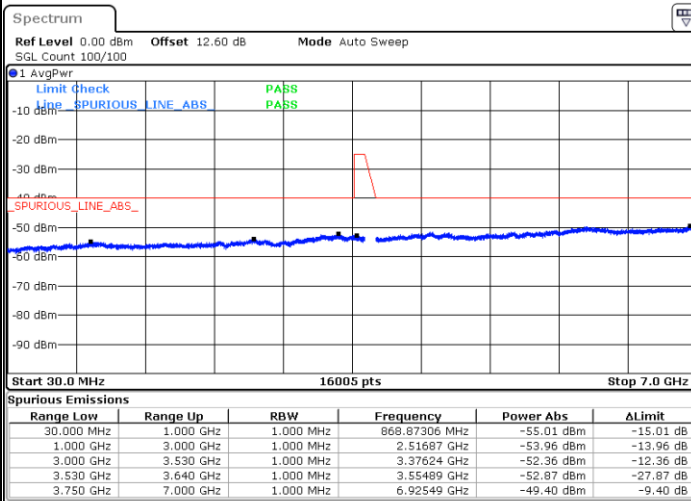
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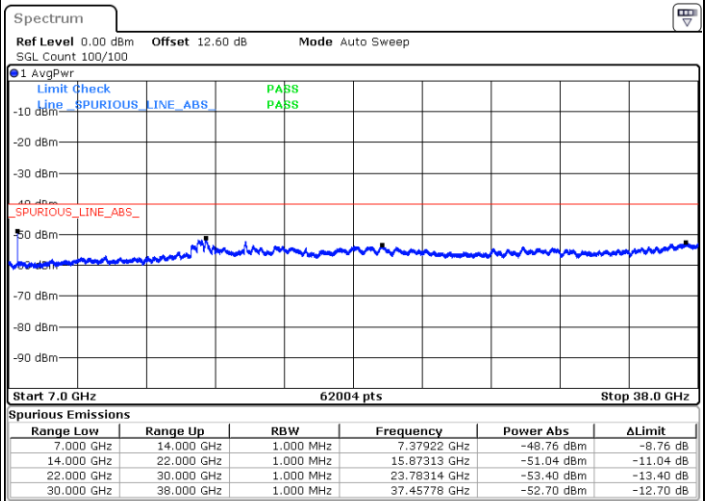
Date: 23.APR.2026 01:10:42

## Highest Channel / 1RB0 and 1RB49

## Highest Channel / 1RB49 and 1RB0



Date: 23.APR.2026 00:44:08



Date: 23.APR.2026 01:12:18



## Appendix B. Radiated Spurious Emission Test Data

|                        |                      |                            |               |
|------------------------|----------------------|----------------------------|---------------|
| <b>Test Engineer :</b> | Jack Cheng, Ray Lung | <b>Temperature :</b>       | 21.1 ~ 25.7°C |
|                        |                      | <b>Relative Humidity :</b> | 55.8 ~ 63.2%  |

### B1.Summary of each worse mode

| Mode | Band       | Part    | Ch | Freq (MHz) | Level (dBm) | Det | Ant Factor (dB) | AmplCbl (dB) | Filter (dB) | EIRPCF (dB) | Reading (dBuV) | Limit (dBm) | Margin (dB) | Pol | Ant |
|------|------------|---------|----|------------|-------------|-----|-----------------|--------------|-------------|-------------|----------------|-------------|-------------|-----|-----|
| 1    | LTE B48    | Part 96 | H  | 14724      | -49.15      | RMS | 41.20           | -23.27       | 2.19        | -95.23      | 25.96          | -40.00      | -9.15       | H   | 3   |
| 2    | LTE CA 48C | Part 96 | M  | 14496      | -48.59      | RMS | 41.18           | -23.05       | 2.21        | -95.23      | 26.30          | -40.00      | -8.59       | H   | 3   |
| 3    | LTE CA 48B | Part 96 | L  | 14257      | -49.00      | RMS | 41.00           | -22.68       | 2.22        | -95.23      | 25.69          | -40.00      | -9.00       | V   | 3   |

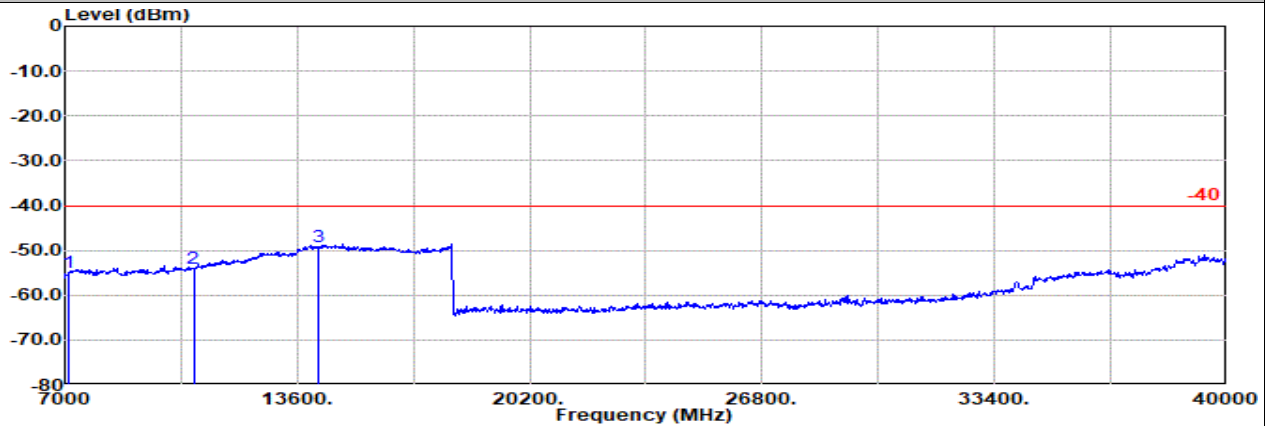


Ant. 3

## Part 96 Mode 1

LTE B48 20M Ch55340 1RB0 QPSK

L

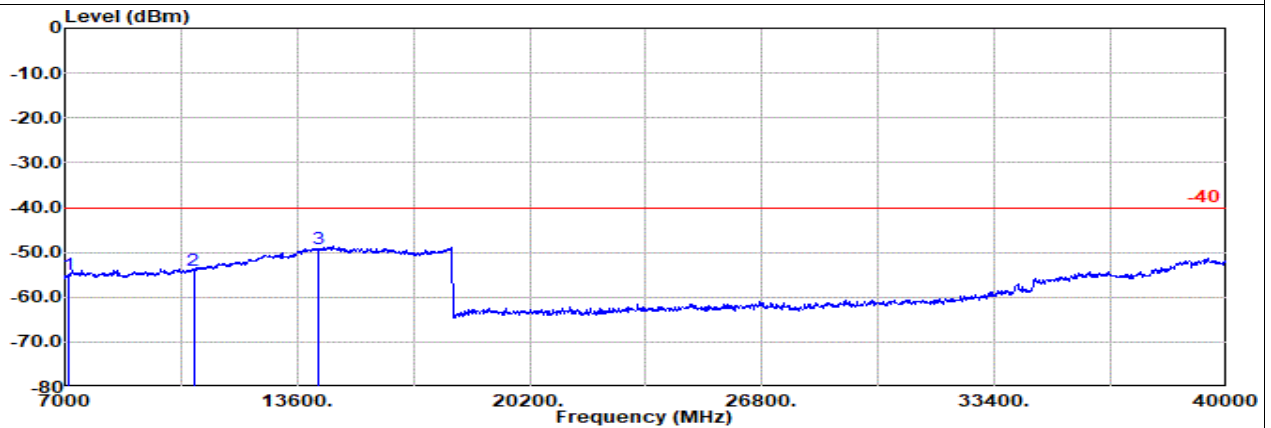


Site : 03CH21-HY

Condition: -40 3m DRH18-E\_LE2C03A18EN\_250807 Horizontal

: LTE B48 20M Ch55340 1RB0 QPSK

|   | Freq     | Level  | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin | Limit | Margin Pol |                   |
|---|----------|--------|----------|-------------------|--------|--------|--------|-------|------------|-------------------|
|   |          |        |          | Factor            | 1      |        |        |       |            |                   |
|   | MHz      | dBm    |          | dB/m              | dB     | dB     | dB     | dBuV  | dBm        | dB                |
| 1 | 7102.00  | -54.84 | RMS      | 36.11             | -21.51 | 1.99   | -95.23 | 23.80 | -40.00     | -14.84 Horizontal |
| 2 | 10653.00 | -53.96 | RMS      | 37.50             | -21.79 | 1.83   | -95.23 | 23.73 | -40.00     | -13.96 Horizontal |
| 3 | 14204.00 | -49.20 | RMS      | 41.00             | -22.60 | 2.22   | -95.23 | 25.41 | -40.00     | -9.20 Horizontal  |



Site : 03CH21-HY

Condition: -40 3m DRH18-E\_LE2C03A18EN\_250807 Vertical

: LTE B48 20M Ch55340 1RB0 QPSK

|   | Freq     | Level  | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin | Limit | Margin Pol |                 |
|---|----------|--------|----------|-------------------|--------|--------|--------|-------|------------|-----------------|
|   |          |        |          | Factor            | 1      |        |        |       |            |                 |
|   | MHz      | dBm    |          | dB/m              | dB     | dB     | dB     | dBuV  | dBm        | dB              |
| 1 | 7102.00  | -55.06 | RMS      | 36.11             | -21.51 | 1.99   | -95.23 | 23.58 | -40.00     | -15.06 Vertical |
| 2 | 10653.00 | -53.98 | RMS      | 37.50             | -21.79 | 1.83   | -95.23 | 23.71 | -40.00     | -13.98 Vertical |
| 3 | 14204.00 | -49.28 | RMS      | 41.00             | -22.60 | 2.22   | -95.23 | 25.33 | -40.00     | -9.28 Vertical  |

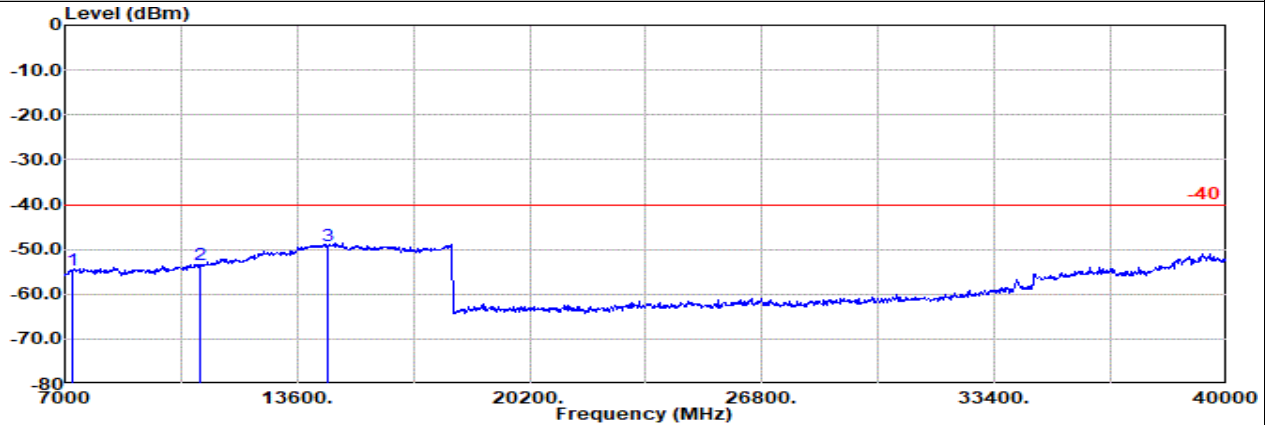


Ant. 3

Part 96 Mode 1

LTE B48 20M Ch55990 1RB0 QPSK

M

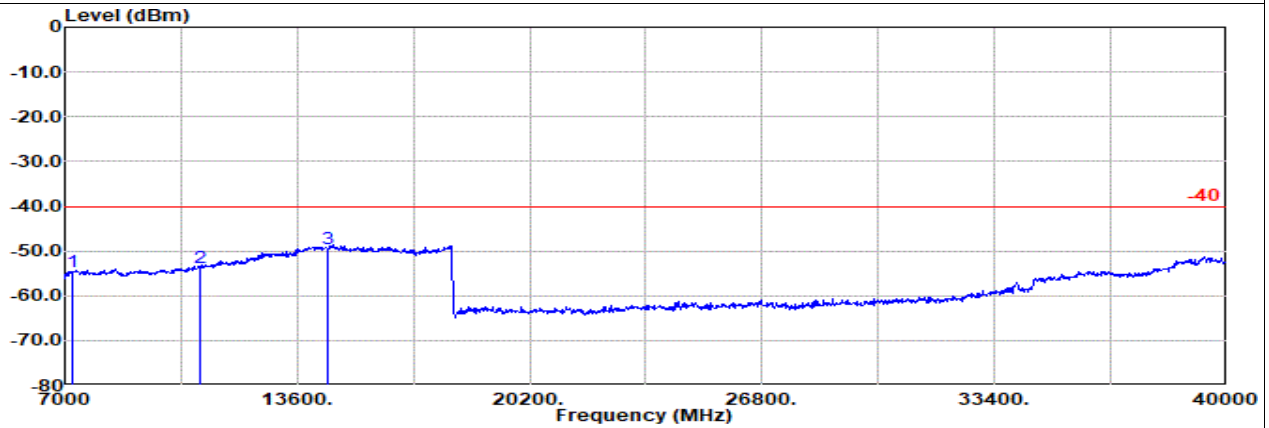


Site : 03CH21-HY

Condition: -40 3m DRH18-E\_LE2C03A18EN\_250807 Horizontal

: LTE B48 20M Ch55990 1RB0 QPSK

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | Factor | Filter |       | EIRPCF | Readin g | Limit      |     | Margin | Pol |
|---|------------|--------|----------|-------------------|--------|--------|--------|-------|--------|----------|------------|-----|--------|-----|
|   | MHz        | dBm    |          | dB/m              | dB     |        | dB     | dB    |        |          | dBuV       | dBm | dB     |     |
| 1 | 7232.00    | -54.60 | RMS      | 36.40             | -21.39 | 1.99   | -95.23 | 23.63 | -40.00 | -14.60   | Horizontal |     |        |     |
| 2 | 10848.00   | -53.45 | RMS      | 37.60             | -21.75 | 1.86   | -95.23 | 24.07 | -40.00 | -13.45   | Horizontal |     |        |     |
| 3 | 14464.00   | -49.31 | RMS      | 41.06             | -23.00 | 2.21   | -95.23 | 25.65 | -40.00 | -9.31    | Horizontal |     |        |     |



Site : 03CH21-HY

Condition: -40 3m DRH18-E\_LE2C03A18EN\_250807 Vertical

: LTE B48 20M Ch55990 1RB0 QPSK

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | Factor | Filter |       | EIRPCF | Readin g | Limit    |     | Margin | Pol |
|---|------------|--------|----------|-------------------|--------|--------|--------|-------|--------|----------|----------|-----|--------|-----|
|   | MHz        | dBm    |          | dB/m              | dB     |        | dB     | dB    |        |          | dBuV     | dBm | dB     |     |
| 1 | 7232.00    | -54.70 | RMS      | 36.40             | -21.39 | 1.99   | -95.23 | 23.53 | -40.00 | -14.70   | Vertical |     |        |     |
| 2 | 10848.00   | -53.66 | RMS      | 37.60             | -21.75 | 1.86   | -95.23 | 23.86 | -40.00 | -13.66   | Vertical |     |        |     |
| 3 | 14464.00   | -49.47 | RMS      | 41.06             | -23.00 | 2.21   | -95.23 | 25.49 | -40.00 | -9.47    | Vertical |     |        |     |

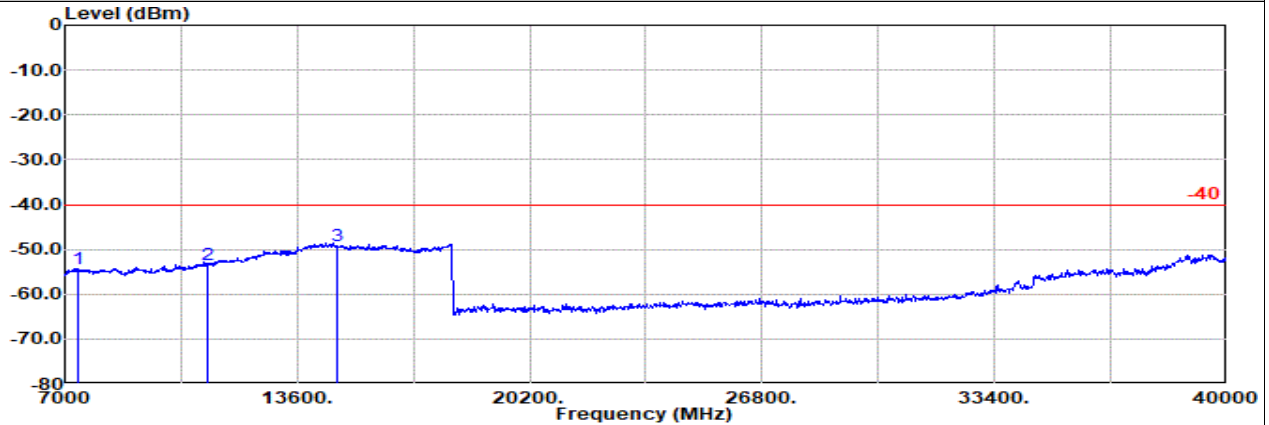


## Ant. 3

## Part 96 Mode 1

## LTE B48 20M Ch56640 1RB0 QPSK

## H

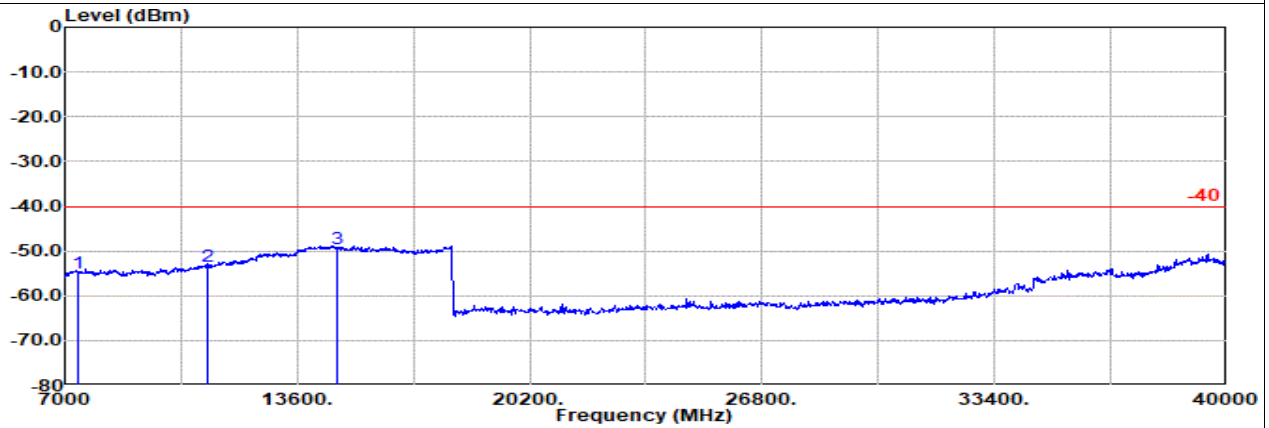


Site : 03CH21-HY

Condition: -40 3m DRH18-E\_LE2C03A18EN\_250807 Horizontal

: LTE B48 20M Ch56640 1RB0 QPSK

|   | Freq     | Level  | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin | Limit | Margin Pol |                   |
|---|----------|--------|----------|-------------------|--------|--------|--------|-------|------------|-------------------|
|   |          |        |          | Factor            | 1      |        |        |       |            |                   |
|   | MHz      | dBm    |          |                   |        |        |        |       |            |                   |
| 1 | 7362.00  | -54.45 | RMS      | 36.90             | -21.29 | 1.76   | -95.23 | 23.41 | -40.00     | -14.45 Horizontal |
| 2 | 11043.00 | -53.51 | RMS      | 37.77             | -21.71 | 1.90   | -95.23 | 23.76 | -40.00     | -13.51 Horizontal |
| 3 | 14724.00 | -49.15 | RMS      | 41.20             | -23.27 | 2.19   | -95.23 | 25.96 | -40.00     | -9.15 Horizontal  |



Site : 03CH21-HY

Condition: -40 3m DRH18-E\_LE2C03A18EN\_250807 Vertical

: LTE B48 20M Ch56640 1RB0 QPSK

|   | Freq     | Level  | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin | Limit | Margin Pol |                 |
|---|----------|--------|----------|-------------------|--------|--------|--------|-------|------------|-----------------|
|   |          |        |          | Factor            | 1      |        |        |       |            |                 |
|   | MHz      | dBm    |          |                   |        |        |        |       |            |                 |
| 1 | 7362.00  | -54.88 | RMS      | 36.90             | -21.29 | 1.76   | -95.23 | 22.98 | -40.00     | -14.88 Vertical |
| 2 | 11043.00 | -53.45 | RMS      | 37.77             | -21.71 | 1.90   | -95.23 | 23.82 | -40.00     | -13.45 Vertical |
| 3 | 14724.00 | -49.38 | RMS      | 41.20             | -23.27 | 2.19   | -95.23 | 25.73 | -40.00     | -9.38 Vertical  |

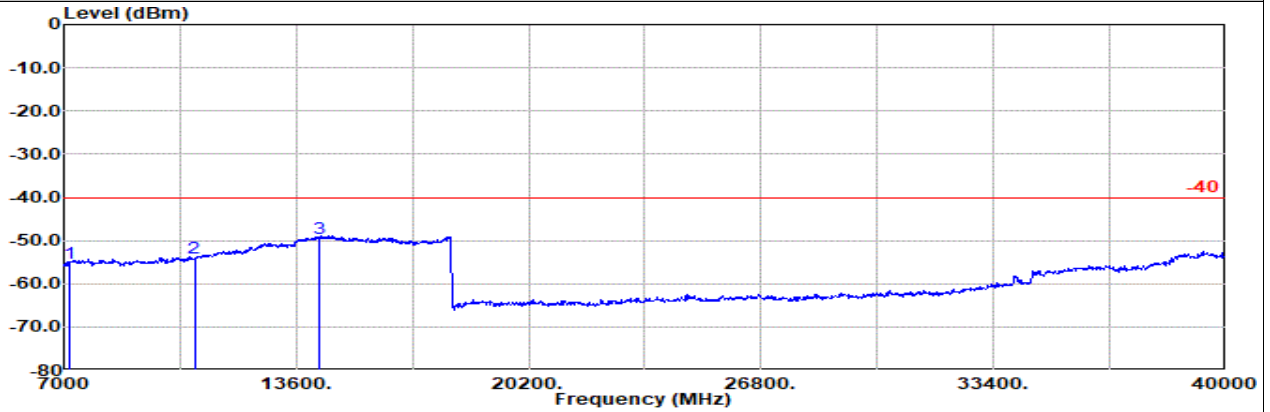


## Ant. 3

## Part 96 Mode 2

LTE CA 48C 20M + 20M Ch55340 1RB99 QPSK + Ch55538 1RB0 QPSK

L



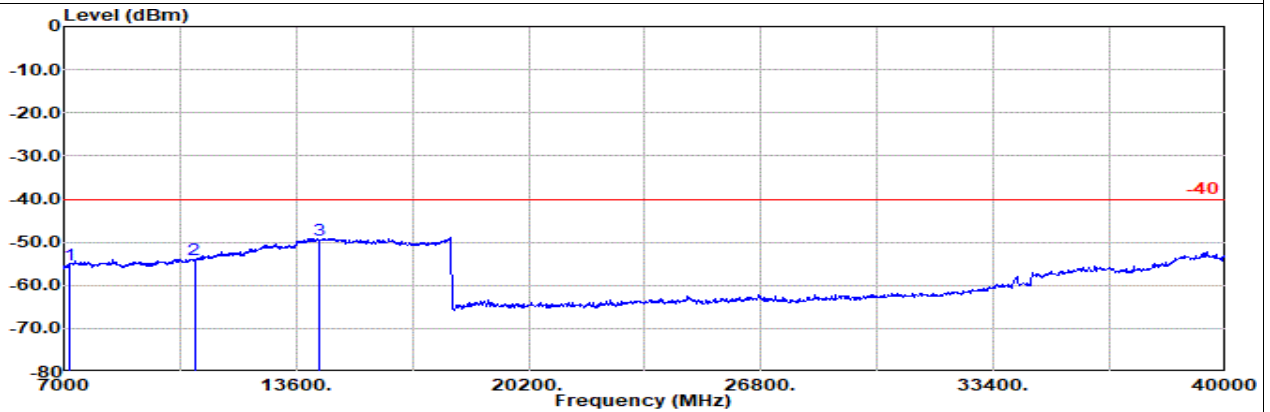
Site : 03CH21-HY

Condition: -40 3m DRH18-E\_LE2C03A18EN\_250807 Horizontal

: LTE B48 20M Ch55340 1RB99 QPSK

: LTE B48 20M Ch55538 1RB0 QPSK

|   | Freq     | Level  | Detector | Ant    | Amp\Cb | Filter | EIRPCF | Readin | Limit  | Margin | Pol        |
|---|----------|--------|----------|--------|--------|--------|--------|--------|--------|--------|------------|
|   |          |        |          | Factor | 1      |        |        | g      |        |        |            |
|   | MHz      | dBm    |          | dB/m   | dB     | dB     |        | dBuV   | dBm    | dB     |            |
| 1 | 7138.00  | -55.32 | RMS      | 36.25  | -21.47 | 2.01   | -95.23 | 23.12  | -40.00 | -15.32 | Horizontal |
| 2 | 10707.00 | -54.05 | RMS      | 37.51  | -21.78 | 1.84   | -95.23 | 23.61  | -40.00 | -14.05 | Horizontal |
| 3 | 14276.00 | -49.42 | RMS      | 41.00  | -22.71 | 2.22   | -95.23 | 25.30  | -40.00 | -9.42  | Horizontal |



Site : 03CH21-HY

Condition: -40 3m DRH18-E\_LE2C03A18EN\_250807 Vertical

: LTE B48 20M Ch55340 1RB99 QPSK

: LTE B48 20M Ch55538 1RB0 QPSK

|   | Freq     | Level  | Detector | Ant Factor | Amp\Cb<br>l | Filter | EIRPCF | Reading | Limit  | Margin | Pol      |
|---|----------|--------|----------|------------|-------------|--------|--------|---------|--------|--------|----------|
|   | MHz      | dBm    |          | dB/m       | dB          | dB     | dB     | dBuV    | dBm    | dB     |          |
| 1 | 7138.00  | -55.13 | RMS      | 36.25      | -21.47      | 2.01   | -95.23 | 23.31   | -40.00 | -15.13 | Vertical |
| 2 | 10707.00 | -54.01 | RMS      | 37.51      | -21.78      | 1.84   | -95.23 | 23.65   | -40.00 | -14.01 | Vertical |
| 3 | 14276.00 | -49.45 | RMS      | 41.00      | -22.71      | 2.22   | -95.23 | 25.27   | -40.00 | -9.45  | Vertical |

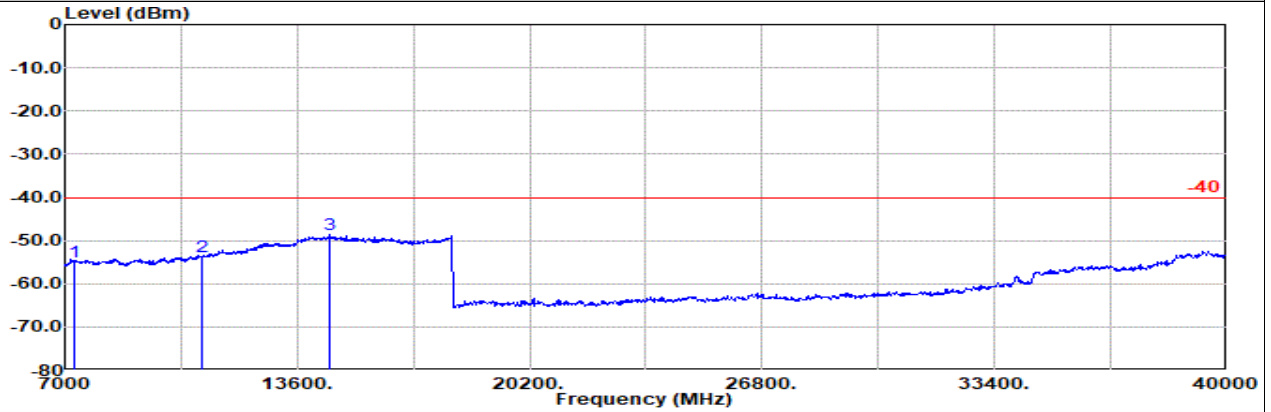


## Ant. 3

## Part 96 Mode 2

LTE CA 48C 20M + 20M Ch55891 1RB99 QPSK + Ch56089 1RB0 QPSK

## M



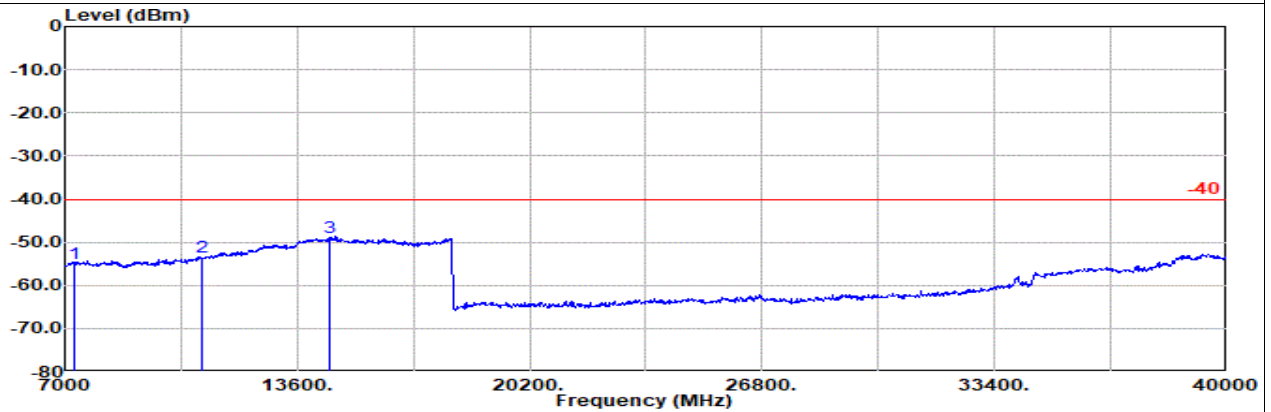
Site : 03CH21-HY

Condition: -40 3m DRH18-E\_LE2C03A18EN\_250807 Horizontal

: LTE B48 20M Ch55891 1RB99 QPSK

: LTE B48 20M Ch56089 1RB0 QPSK

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin Limit |       | Margin Pol |                   |
|---|------------|--------|----------|-------------------|--------|--------|--------------|-------|------------|-------------------|
|   | MHz        | dBm    |          | Factor            | 1      |        | g            |       |            |                   |
| 1 | 7248.00    | -55.05 | RMS      | 36.40             | -21.38 | 1.96   | -95.23       | 23.20 | -40.00     | -15.05 Horizontal |
| 2 | 10872.00   | -53.86 | RMS      | 37.60             | -21.74 | 1.87   | -95.23       | 23.64 | -40.00     | -13.86 Horizontal |
| 3 | 14496.00   | -48.59 | RMS      | 41.18             | -23.05 | 2.21   | -95.23       | 26.30 | -40.00     | -8.59 Horizontal  |



Site : 03CH21-HY

Condition: -40 3m DRH18-E\_LE2C03A18EN\_250807 Vertical

: LTE B48 20M Ch55891 1RB99 QPSK

: LTE B48 20M Ch56089 1RB0 QPSK

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin Limit |       | Margin Pol |                 |
|---|------------|--------|----------|-------------------|--------|--------|--------------|-------|------------|-----------------|
|   | MHz        | dBm    |          | Factor            | 1      |        | g            |       |            |                 |
| 1 | 7248.00    | -55.09 | RMS      | 36.40             | -21.38 | 1.96   | -95.23       | 23.16 | -40.00     | -15.09 Vertical |
| 2 | 10872.00   | -53.57 | RMS      | 37.60             | -21.74 | 1.87   | -95.23       | 23.93 | -40.00     | -13.57 Vertical |
| 3 | 14496.00   | -49.02 | RMS      | 41.18             | -23.05 | 2.21   | -95.23       | 25.87 | -40.00     | -9.02 Vertical  |

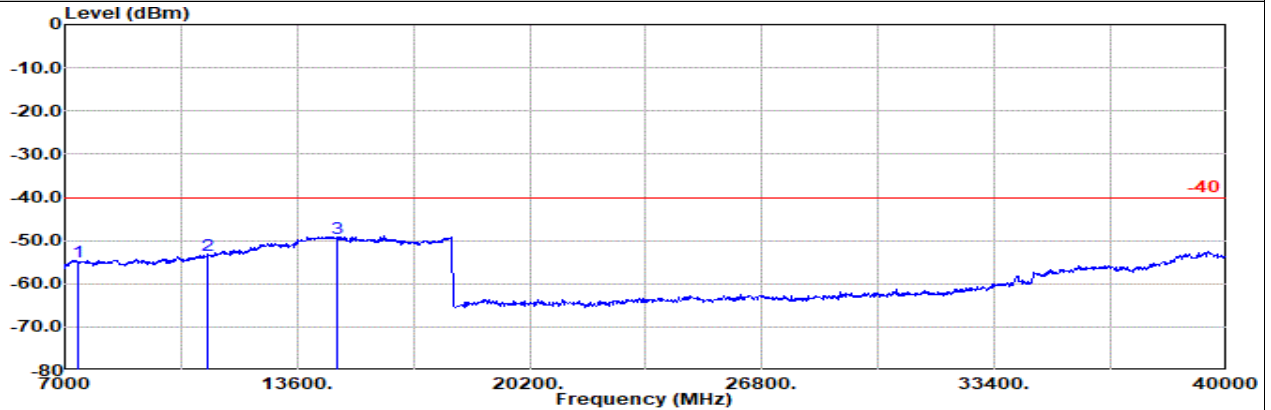


## Ant. 3

## Part 96 Mode 2

LTE CA 48C 20M + 20M Ch56442 1RB99 QPSK + Ch56640 1RB0 QPSK

H



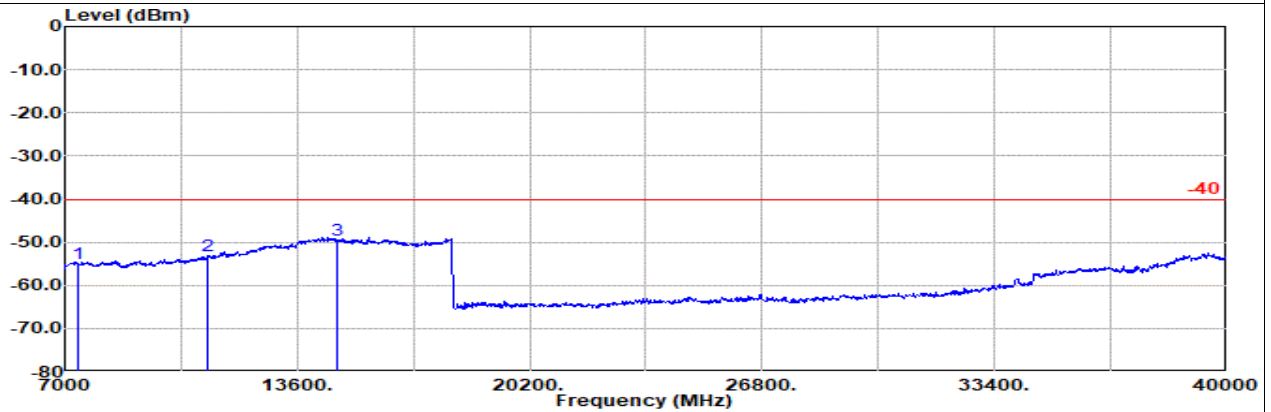
Site : 03CH21-HY

Condition: -40 3m DRH18-E\_LE2C03A18EN\_250807 Horizontal

: LTE B48 20M Ch56442 1RB99 QPSK

: LTE B48 20M Ch56640 1RB0 QPSK

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin Limit |       | Margin | Pol               |
|---|------------|--------|----------|-------------------|--------|--------|--------------|-------|--------|-------------------|
|   | MHz        | dBm    |          | Factor            | 1      |        | g            |       |        |                   |
| 1 | 7358.00    | -54.95 | RMS      | 36.90             | -21.29 | 1.77   | -95.23       | 22.90 | -40.00 | -14.95 Horizontal |
| 2 | 11037.00   | -53.30 | RMS      | 37.75             | -21.71 | 1.90   | -95.23       | 23.99 | -40.00 | -13.30 Horizontal |
| 3 | 14716.00   | -49.61 | RMS      | 41.20             | -23.26 | 2.19   | -95.23       | 25.49 | -40.00 | -9.61 Horizontal  |



Site : 03CH21-HY

Condition: -40 3m DRH18-E\_LE2C03A18EN\_250807 Vertical

: LTE B48 20M Ch56442 1RB99 QPSK

: LTE B48 20M Ch56640 1RB0 QPSK

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin Limit |       | Margin | Pol             |
|---|------------|--------|----------|-------------------|--------|--------|--------------|-------|--------|-----------------|
|   | MHz        | dBm    |          | Factor            | 1      |        | g            |       |        |                 |
| 1 | 7358.00    | -55.06 | RMS      | 36.90             | -21.29 | 1.77   | -95.23       | 22.79 | -40.00 | -15.06 Vertical |
| 2 | 11037.00   | -53.13 | RMS      | 37.75             | -21.71 | 1.90   | -95.23       | 24.16 | -40.00 | -13.13 Vertical |
| 3 | 14716.00   | -49.39 | RMS      | 41.20             | -23.26 | 2.19   | -95.23       | 25.71 | -40.00 | -9.39 Vertical  |

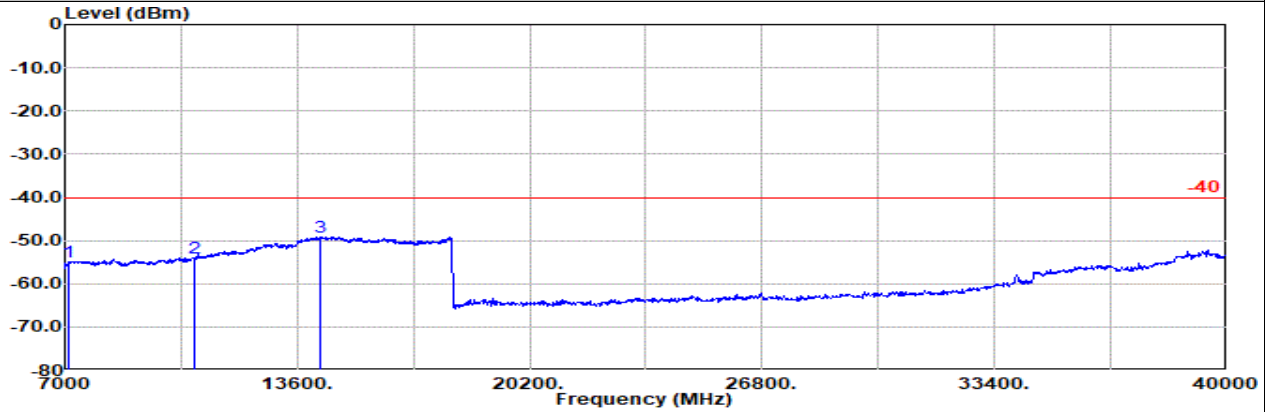


## Ant. 3

## Part 96 Mode 3

LTE CA 48B 10M + 10M Ch55290 1RB49 QPSK + Ch55389 1RB0 QPSK

L



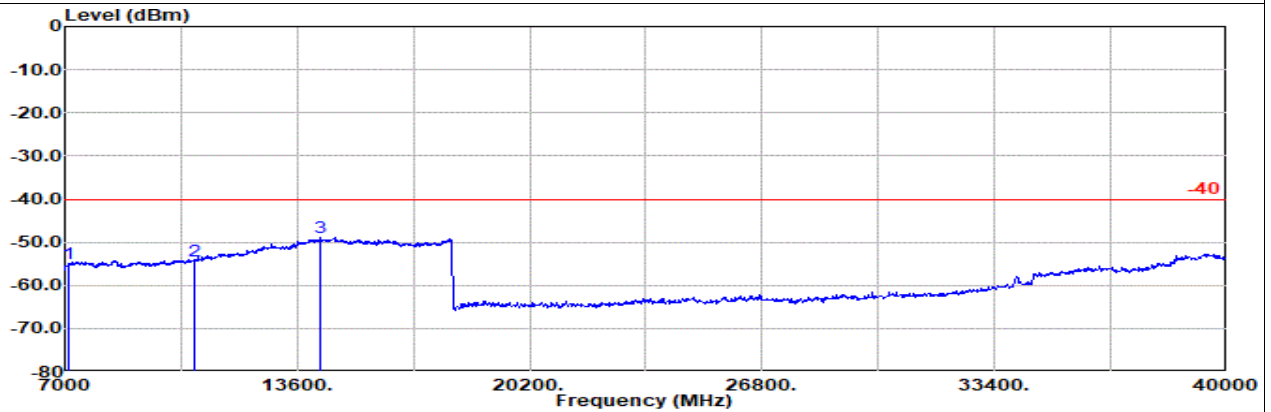
Site : 03CH21-HY

Condition: -40 3m DRH18-E\_LE2C03A18EN\_250807 Horizontal

: LTE B48 10M Ch55290 1RB49 QPSK

: LTE B48 10M Ch56389 1RB0 QPSK

|   | Freq Level |        | Detector | Ant Factor | Amp\Cb |        | Filter 1 | EIRPCF | Readin g | Limit  |        | Margin     | Pol |
|---|------------|--------|----------|------------|--------|--------|----------|--------|----------|--------|--------|------------|-----|
|   | MHz        | dBm    |          |            | dB/m   | dB     | dB       | dB     | dBuV     | dBm    | dB     |            |     |
| 1 | 7129.00    | -55.04 | RMS      |            | 36.22  | -21.48 | 2.00     | -95.23 | 23.45    | -40.00 | -15.04 | Horizontal |     |
| 2 | 10693.00   | -53.96 | RMS      |            | 37.50  | -21.78 | 1.83     | -95.23 | 23.72    | -40.00 | -13.96 | Horizontal |     |
| 3 | 14257.00   | -49.35 | RMS      |            | 41.00  | -22.68 | 2.22     | -95.23 | 25.34    | -40.00 | -9.35  | Horizontal |     |



Site : 03CH21-HY

Condition: -40 3m DRH18-E\_LE2C03A18EN\_250807 Vertical

: LTE B48 10M Ch55290 1RB49 QPSK

: LTE B48 10M Ch56389 1RB0 QPSK

|   | Freq Level |        | Detector | Ant Factor | Amp\Cb |        | Filter 1 | EIRPCF | Readin g | Limit  |        | Margin   | Pol |
|---|------------|--------|----------|------------|--------|--------|----------|--------|----------|--------|--------|----------|-----|
|   | MHz        | dBm    |          |            | dB/m   | dB     | dB       | dB     | dBuV     | dBm    | dB     |          |     |
| 1 | 7129.00    | -55.07 | RMS      |            | 36.22  | -21.48 | 2.00     | -95.23 | 23.42    | -40.00 | -15.07 | Vertical |     |
| 2 | 10693.00   | -54.21 | RMS      |            | 37.50  | -21.78 | 1.83     | -95.23 | 23.47    | -40.00 | -14.21 | Vertical |     |
| 3 | 14257.00   | -49.00 | RMS      |            | 41.00  | -22.68 | 2.22     | -95.23 | 25.69    | -40.00 | -9.00  | Vertical |     |

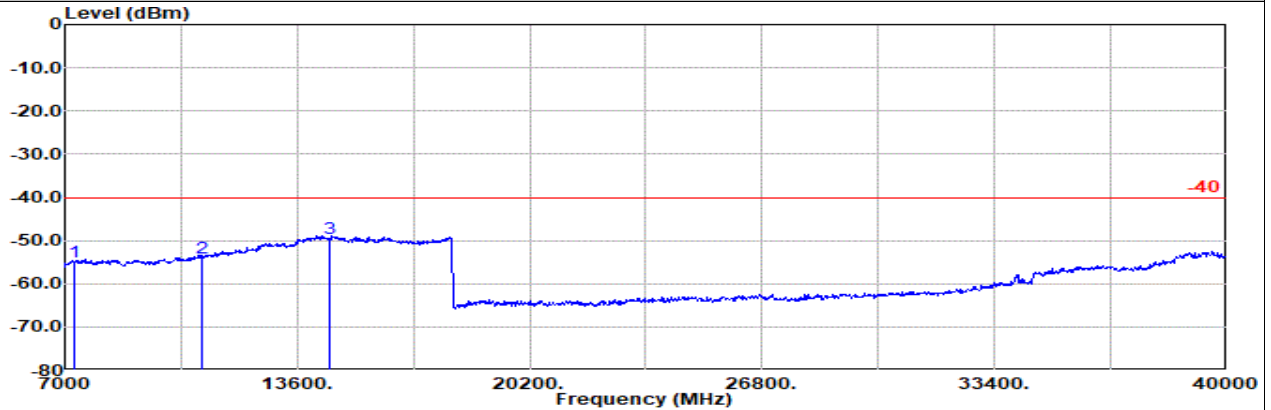


## Ant. 3

## Part 96 Mode 3

LTE CA 48B 10M + 10M Ch55945 1RB49 QPSK + Ch56044 1RB0 QPSK

## M



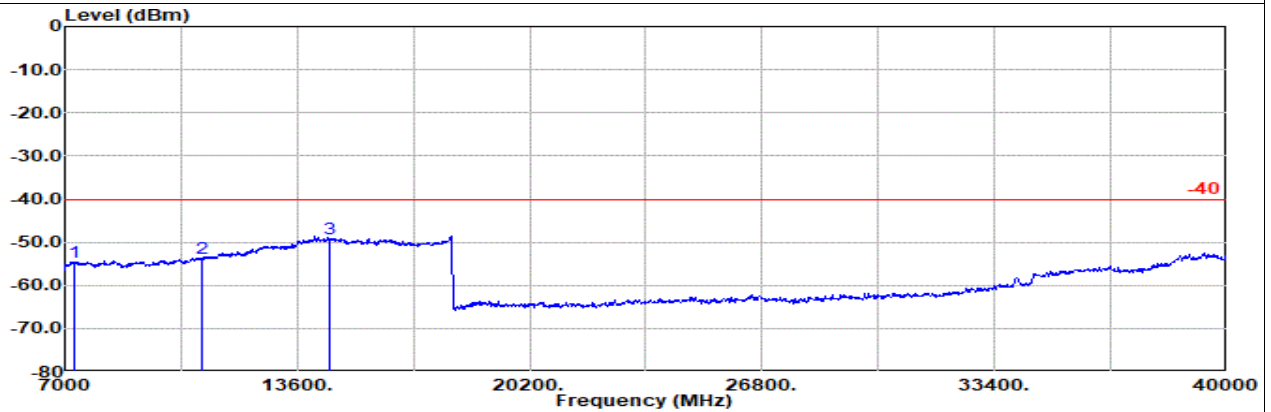
Site : 03CH21-HY

Condition: -40 3m DRH18-E\_LE2C03A18EN\_250807 Horizontal

: LTE B48 10M Ch55945 1RB49 QPSK

: LTE B48 10M Ch56044 1RB0 QPSK

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin Limit |       | Margin Pol |                   |
|---|------------|--------|----------|-------------------|--------|--------|--------------|-------|------------|-------------------|
|   | MHz        | dBm    |          | Factor            | 1      |        | g            |       |            |                   |
| 1 | 7260.00    | -54.83 | RMS      | 36.44             | -21.37 | 1.94   | -95.23       | 23.39 | -40.00     | -14.83 Horizontal |
| 2 | 10889.00   | -53.96 | RMS      | 37.60             | -21.74 | 1.87   | -95.23       | 23.54 | -40.00     | -13.96 Horizontal |
| 3 | 14519.00   | -49.54 | RMS      | 41.24             | -23.07 | 2.20   | -95.23       | 25.32 | -40.00     | -9.54 Horizontal  |



Site : 03CH21-HY

Condition: -40 3m DRH18-E\_LE2C03A18EN\_250807 Vertical

: LTE B48 10M Ch55945 1RB49 QPSK

: LTE B48 10M Ch56044 1RB0 QPSK

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin Limit |       | Margin Pol |                 |
|---|------------|--------|----------|-------------------|--------|--------|--------------|-------|------------|-----------------|
|   | MHz        | dBm    |          | Factor            | 1      |        | g            |       |            |                 |
| 1 | 7260.00    | -54.63 | RMS      | 36.44             | -21.37 | 1.94   | -95.23       | 23.58 | -40.00     | -14.63 Vertical |
| 2 | 10889.00   | -53.64 | RMS      | 37.60             | -21.74 | 1.87   | -95.23       | 23.86 | -40.00     | -13.64 Vertical |
| 3 | 14519.00   | -49.11 | RMS      | 41.24             | -23.07 | 2.20   | -95.23       | 25.75 | -40.00     | -9.11 Vertical  |

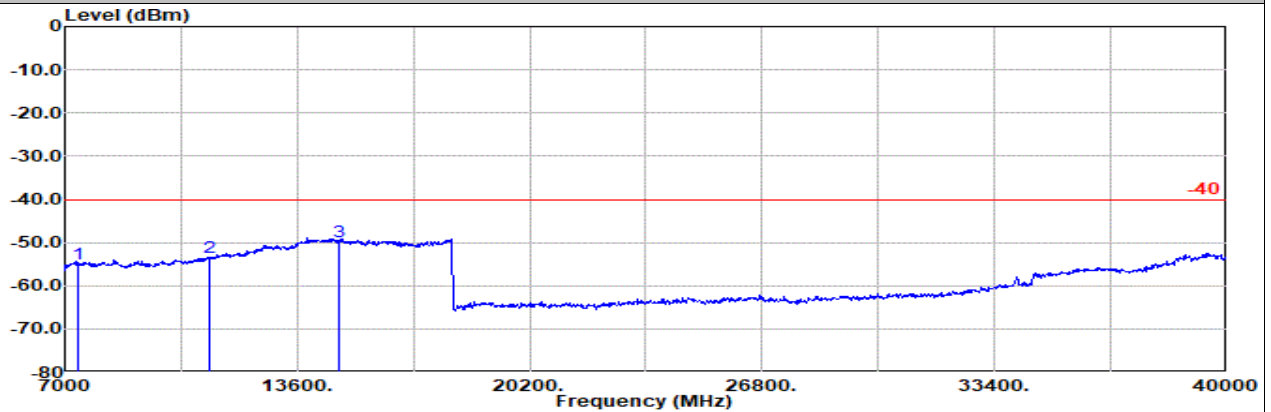


## Ant. 3

## Part 96 Mode 3

LTE CA 48B 10M + 10M Ch56591 1RB49 QPSK + Ch56690 1RB0 QPSK

H



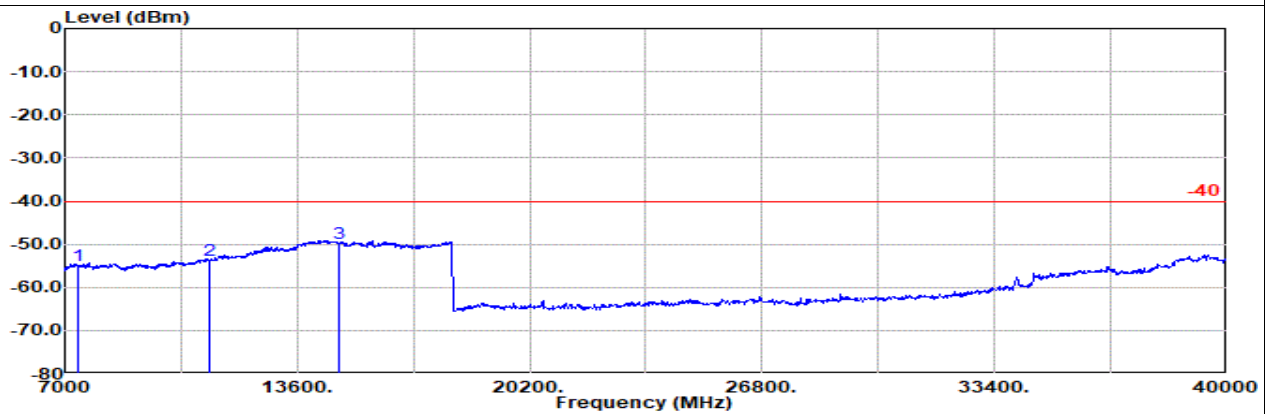
Site : 03CH21-HY

Condition: -40 3m DRH18-E\_LE2C03A18EN\_250807 Horizontal

: LTE B48 10M Ch56591 1RB49 QPSK

: LTE B48 10M Ch56690 1RB0 QPSK

|   | Freq     | Level  | Detector | Ant    |        | Filter | EIRPCF |       | Readin | Limit  | Margin     |  | Pol |
|---|----------|--------|----------|--------|--------|--------|--------|-------|--------|--------|------------|--|-----|
|   |          |        |          | Factor | Amp\Cb |        | 1      |       |        |        |            |  |     |
|   | MHz      | dBm    |          |        |        |        |        |       |        |        |            |  |     |
| 1 | 7389.00  | -54.93 | RMS      | 36.90  | -21.27 | 1.71   | -95.23 | 22.96 | -40.00 | -14.93 | Horizontal |  |     |
| 2 | 11083.00 | -53.56 | RMS      | 37.93  | -21.72 | 1.90   | -95.23 | 23.56 | -40.00 | -13.56 | Horizontal |  |     |
| 3 | 14778.00 | -49.80 | RMS      | 41.26  | -23.32 | 2.19   | -95.23 | 25.30 | -40.00 | -9.80  | Horizontal |  |     |



Site : 03CH21-HY

Condition: -40 3m DRH18-E\_LE2C03A18EN\_250807 Vertical

: LTE B48 10M Ch56591 1RB49 QPSK

: LTE B48 10M Ch56690 1RB0 QPSK

|   | Freq     | Level  | Detector | Ant    |        | Filter | EIRPCF |       | Readin | Limit  | Margin   |  | Pol |
|---|----------|--------|----------|--------|--------|--------|--------|-------|--------|--------|----------|--|-----|
|   |          |        |          | Factor | Amp\Cb |        | 1      |       |        |        |          |  |     |
|   | MHz      | dBm    |          |        |        |        |        |       |        |        |          |  |     |
| 1 | 7389.00  | -54.90 | RMS      | 36.90  | -21.27 | 1.71   | -95.23 | 22.99 | -40.00 | -14.90 | Vertical |  |     |
| 2 | 11083.00 | -53.63 | RMS      | 37.93  | -21.72 | 1.90   | -95.23 | 23.49 | -40.00 | -13.63 | Vertical |  |     |
| 3 | 14778.00 | -49.67 | RMS      | 41.26  | -23.32 | 2.19   | -95.23 | 25.43 | -40.00 | -9.67  | Vertical |  |     |

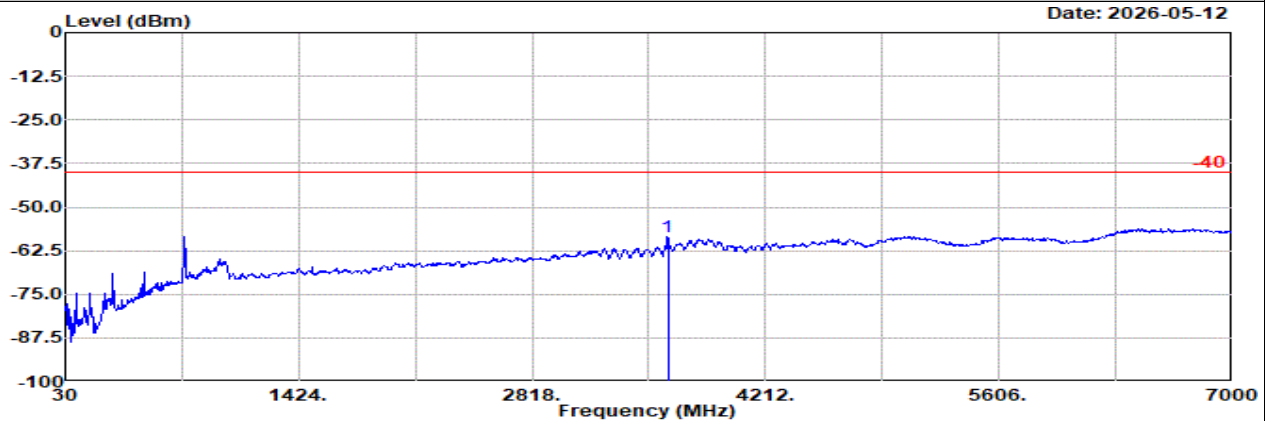


Ant. 3

## Part 96 Mode 2

LTE CA 48C 20M + 20M Ch55891 1RB99 QPSK + Ch56089 1RB0 QPSK

M



Site : 03CH21-HY

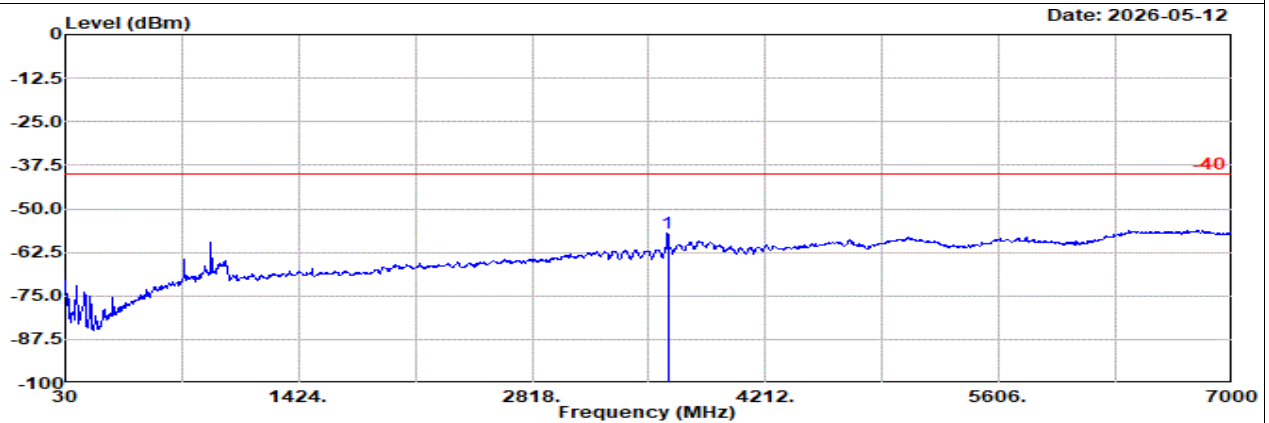
Condition: -40 3m DRH18-E\_LE2C03A18EN\_250807 Horizontal

: LTE B48 20M Ch55891 1RB99 QPSK

: LTE B48 20M Ch56089 1RB0 QPSK

: #1 is fundamental signal which can be ignored.

|   | Freq    | Level  | Detector | Ant Factor | Amp\Cb |      | Filter | EIRPCF | Readin g | Limit  | Margin | Pol        |
|---|---------|--------|----------|------------|--------|------|--------|--------|----------|--------|--------|------------|
|   |         |        |          |            | dB/m   | dB   |        |        |          |        |        |            |
| 1 | 3628.00 | -58.60 | RMS      | 29.31      | -23.91 | 2.11 | -95.23 | 29.13  | -40.00   | -18.60 |        | Horizontal |



Site : 03CH21-HY

Condition: -40 3m DRH18-E\_LE2C03A18EN\_250807 Vertical

: LTE B48 20M Ch55891 1RB99 QPSK

: LTE B48 20M Ch56089 1RB0 QPSK

: #1 is fundamental signal which can be ignored.

|   | Freq    | Level  | Detector | Ant Factor | Amp\Cb |      | Filter | EIRPCF | Readin g | Limit  | Margin | Pol      |
|---|---------|--------|----------|------------|--------|------|--------|--------|----------|--------|--------|----------|
|   |         |        |          |            | dB/m   | dB   |        |        |          |        |        |          |
| 1 | 3628.00 | -57.13 | RMS      | 29.31      | -23.91 | 2.11 | -95.23 | 30.60  | -40.00   | -17.13 |        | Vertical |