



# Spot Check Evaluation

APPLICANT : Motorola Mobility LLC  
EQUIPMENT : Mobile Cellular Phone  
BRAND NAME : Motorola  
MODEL NAME : XT2527-2  
FCC ID : IHDT56AV4  
STANDARD : 47 CFR Part 22(H), 24(E), 27(M), 27(Q), 90(S)  
47 CFR Part 15 Subpart C §15.225  
47 CFR Part 15 Subpart C §15.247  
47 CFR Part 15 Subpart E §15.407  
TEST DATE(S) : Apr. 05, 2025 ~ Apr. 27, 2025

We, Sporton International Inc. (Kunshan), would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

This report contains data that were produced under subcontract by Sporton International Inc. (ShenZhen)

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (Kunshan), the test report shall not be reproduced except in full.

Jason Jia

Approved by: Jason Jia



**Sporton International Inc. (Kunshan)**

**No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300  
People's Republic of China**



## TABLE OF CONTENTS

|                                                  |           |
|--------------------------------------------------|-----------|
| <b>REVISION HISTORY.....</b>                     | <b>3</b>  |
| <b>1 GENERAL DESCRIPTION.....</b>                | <b>4</b>  |
| 1.1 Applicant.....                               | 4         |
| 1.2 Manufacturer.....                            | 4         |
| 1.3 Product Feature of Equipment Under Test..... | 4         |
| 1.4 Modification of EUT .....                    | 4         |
| 1.5 Testing Site.....                            | 5         |
| 1.6 Test Software.....                           | 5         |
| 1.7 Applicable Standards.....                    | 6         |
| 1.8 Specification of Accessory.....              | 6         |
| <b>2 RE-USE OF MEASURED DATA.....</b>            | <b>7</b>  |
| 2.1 Introduction Section .....                   | 7         |
| 2.2 Model Difference Information .....           | 7         |
| 2.3 Reference detail Section: .....              | 8         |
| 2.4 Spot Check Verification Data Section.....    | 9         |
| <b>3 LIST OF MEASURING EQUIPMENT.....</b>        | <b>13</b> |
| <b>4 MEASUREMENT UNCERTAINTY .....</b>           | <b>16</b> |
| <b>APPENDIX A. RADIATED SPURIOUS EMISSION</b>    |           |
| <b>APPENDIX B. SETUP PHOTOGRAPHS</b>             |           |
| <b>APPENDIX C. REFERENCE REPORT</b>              |           |



## REVISION HISTORY

| REPORT NO.   | VERSION | DESCRIPTION             | ISSUED DATE   |
|--------------|---------|-------------------------|---------------|
| FG530724-01C | Rev. 01 | Initial issue of report | Apr. 30, 2025 |
|              |         |                         |               |
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**Conformity Assessment Condition:**

1. 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.
2. 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.



# 1 General Description

## 1.1 Applicant

**Motorola Mobility LLC**  
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

## 1.2 Manufacturer

**Motorola Mobility LLC**  
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

## 1.3 Product Feature of Equipment Under Test

| Product Feature |                                                                                                                                             |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Equipment       | Mobile Cellular Phone                                                                                                                       |
| Brand Name      | Motorola                                                                                                                                    |
| Model Name      | XT2527-2                                                                                                                                    |
| FCC ID          | IHDT56AV4                                                                                                                                   |
| IMEI Code       | Conducted/DFS: 258674600017032/258674600017040<br>Radiation: 358674600016810/358674600016828<br>Conduction: 358674600016612/358674600016620 |
| HW Version      | DVT2                                                                                                                                        |
| SW Version      | V2VN35.50                                                                                                                                   |
| EUT Stage       | Identical Prototype                                                                                                                         |

**Remark:** The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

## 1.4 Modification of EUT

No modifications are made to the EUT during all test items.

## 1.5 Testing Site

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

|                           |                                                                                                                                                |                            |                                       |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------|
| <b>Test Firm</b>          | Sporton International Inc. (Kunshan)                                                                                                           |                            |                                       |
| <b>Test Site Location</b> | No. 1098, Pengxi North Road, Kunshan Economic Development Zone<br>Jiangsu Province 215300 People's Republic of China<br>TEL : +86-512-57900158 |                            |                                       |
| <b>Test Site No.</b>      | <b>Sporton Site No.</b>                                                                                                                        | <b>FCC Designation No.</b> | <b>FCC Test Firm Registration No.</b> |
|                           | TH01-KS<br>DFS01-KS                                                                                                                            | CN1257                     | 314309                                |

Sporton International Inc. (Shenzhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

|                           |                                                                                                                                                                                                                 |                            |                                       |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------|
| <b>Test Firm</b>          | Sporton International Inc. (Shenzhen)                                                                                                                                                                           |                            |                                       |
| <b>Test Site Location</b> | 101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province 518103 People's Republic of China<br>TEL: +86-755-86066985 |                            |                                       |
| <b>Test Site No.</b>      | <b>Sporton Site No.</b>                                                                                                                                                                                         | <b>FCC Designation No.</b> | <b>FCC Test Firm Registration No.</b> |
|                           | CO02-SZ<br>03CH02-SZ<br>03CH03-SZ<br>03CH05-SZ                                                                                                                                                                  | CN1256                     | 421272                                |

## 1.6 Test Software

| Item | Site      | Manufacturer | Name                                     | Version       |
|------|-----------|--------------|------------------------------------------|---------------|
| 1.   | TH01-KS   | SPORTON      | FCC 15C-15E Test Tools<br>Ver10.0_210607 | 10.0          |
| 2.   | DFS01-KS  | Sporton      | Test Tools                               | 1.0           |
| 3.   | 03CH02-SZ | AUDIX        | E3                                       | 6.2009-8-24a  |
| 4.   | 03CH03-SZ | AUDIX        | E3                                       | 6.2009-8-24   |
| 5.   | 03CH05-SZ | AUDIX        | E3                                       | 6.2009-8-24a1 |
| 6.   | CO02-SZ   | AUDIX        | E3                                       | 6.120613b     |

## 1.7 Applicable Standards

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

- FCC KDB 484596 D01 Referencing Test Data v02r03
- 47 CFR Part 22(H), 24(E), 27(M), 27(Q), 90(S)
- 47 CFR Part 15 Subpart C §15.225
- 47 CFR Part 15 Subpart C §15.247
- 47 CFR Part 15 Subpart E §15.407
- ANSI C63.10-2013
- ANSI C63.26-2015

## 1.8 Specification of Accessory

| Specification of Accessory |            |                    |            |                |
|----------------------------|------------|--------------------|------------|----------------|
| AC Adapter 1(US)           | Brand Name | Motorola(Salcomp)  | Model Name | MC-331L        |
| AC Adapter 1(EU)           | Brand Name | Motorola(Salcomp)  | Model Name | MC-332L        |
| AC Adapter 1(UK)           | Brand Name | Motorola(Salcomp)  | Model Name | MC-333L        |
| AC Adapter 1(AU)           | Brand Name | Motorola(Salcomp)  | Model Name | MC-335L        |
| AC Adapter 1(AR)           | Brand Name | Motorola(Salcomp)  | Model Name | MC-336L        |
| AC Adapter 1(BR)           | Brand Name | Motorola(Salcomp)  | Model Name | MC-337L        |
| AC Adapter 2(US)           | Brand Name | Motorola(Chenyang) | Model Name | MC-331L        |
| AC Adapter 2(EU)           | Brand Name | Motorola(Chenyang) | Model Name | MC-332L        |
| AC Adapter 2(UK)           | Brand Name | Motorola(Chenyang) | Model Name | MC-333L        |
| AC Adapter 2(AR)           | Brand Name | Motorola(Chenyang) | Model Name | MC-336L        |
| AC Adapter 2(BR)           | Brand Name | Motorola(Chenyang) | Model Name | MC-337L        |
| Battery 1                  | Brand Name | Motorola(NVT)      | Model Name | RA52           |
| Battery 2                  | Brand Name | Motorola(SUNWODA)  | Model Name | RA52           |
| USB Cable 1                | Brand Name | Motorola(Washin)   | Model Name | HX-ZN-34       |
| USB Cable 2                | Brand Name | Motorola(Juwei)    | Model Name | JWUB1928-ZN01H |
| Earphone                   | Brand Name | Motorola (Juwei)   | Model Name | ZN80400118H001 |

## 2 Re-use of Measured Data

### 2.1 Introduction Section

This application re-uses data collected on a similar device. The subject device of this application (Model: XT2527-2, FCC ID: IHDT56AV4) is electrically identical to the reference device (Model: XT2527-1, FCC ID: IHDT56AV5) for the portions of the circuitry corresponding to the data being re-used, following the FCC KDB 484596 D01 Referencing Test Data v02r03.

ECR Data Referencing Inquiry has been approved by FCC, and the data referencing and spot check test plan includes RF/EMC, the details are presented in section 2.3 of this report, and for SAR Reference detail, please refer to FCC SAR report FA530724-01.

The criteria set in section 3 of KDB 484596 D01 v02r03 is followed to determine whether the data referencing is justified. For SAR, the higher between the referenced value and the spot check value is used to determine compliance in both standalone and simultaneous transmission conditions

The applicant takes full responsibility that the test data as referenced in this report represent compliance for this FCC ID: IHDT56AV4 .

### 2.2 Model Difference Information

The **main** difference between FCC ID: IHDT56AV5 and FCC ID: IHDT56AV4 is as below:

- Remove WCDMA B4, LTE B4/12/13/17/25/66 and 5G NR n2/n66.
- Add LTE B20/32/71/38C/41C and 5G NR n8/n20/n71.
- B41/B41C/n77/n78 Enable PC2 by software.
- Add NSA mode for 5G NR n5/n77.

Other differences and all the details of similarity and difference can be found in the confidential documents (IHDT56AV4 Operational Description of Product Equality Declaration).



## 2.3 Reference detail Section:

| Rule Part                | Equipment Class | Frequency Band (MHz)   | Reference FCC ID (Parent) | Reference on test | Reference Title                                  | FCC ID Filling (Variant) | Test on the variant | Data Referencing (Y/N) |
|--------------------------|-----------------|------------------------|---------------------------|-------------------|--------------------------------------------------|--------------------------|---------------------|------------------------|
| 15C                      | DSS (BR/EDR)    | 2400~2483.5            | IHDT56AV5                 | Full test         | FR530724A                                        | IHDT56AV4                | Spot check          | Y,<br>All test items   |
|                          | DTS (BLE)       | 2400~2483.5            | IHDT56AV5                 | Full test         | FR530724B                                        | IHDT56AV4                | Spot check          | Y,<br>All test items   |
|                          | DTS (WLAN)      | 2400~2483.5            | IHDT56AV5                 | Full test         | FR530724C                                        | IHDT56AV4                | Spot check          | Y,<br>All test items   |
|                          | DXX (NFC)       | 13.56                  | IHDT56AV5                 | Full test         | FR530724D                                        | IHDT56AV4                | Spot check          | Y,<br>All test items   |
| 15E                      | U-NII           | 5180~5240              | IHDT56AV5                 | Full test         | FR530724E                                        | IHDT56AV4                | Spot check          | Y,<br>All test items   |
|                          |                 | 5260~5320              | IHDT56AV5                 | Full test         | FR530724E                                        | IHDT56AV4                | Spot check          | Y,<br>All test items   |
|                          |                 | 5500~5720              | IHDT56AV5                 | Full test         | FR530724E                                        | IHDT56AV4                | Spot check          | Y,<br>All test items   |
|                          |                 | 5745~5825              | IHDT56AV5                 | Full test         | FR530724E                                        | IHDT56AV4                | Spot check          | Y,<br>All test items   |
|                          |                 | 5260~5320<br>5500~5720 | IHDT56AV5                 | Full test         | FZ530724                                         | IHDT56AV4                | Spot check          | Y,<br>All test items   |
| 22,<br>24,<br>27,<br>90, | PCE (GSM)       | GSM 850/1900           | IHDT56AV5                 | Full test         | FG530724A                                        | IHDT56AV4                | Spot check          | Y,<br>All test items   |
|                          | PCE (WCDMA)     | Band II, V             | IHDT56AV5                 | Full test         | FG530724A                                        | IHDT56AV4                | Spot check          | Y,<br>All test items   |
|                          | PCE (LTE)       | B5/26/7/7C/42          | IHDT56AV5                 | Full test         | FG530724B<br>FG530724C<br>FG530724E<br>FG530724F | IHDT56AV4                | Spot check          | Y,<br>All test items   |
|                          | PCE (LTE)       | B26 (90S)              | IHDT56AV5                 | Full test         | FG530724D                                        | IHDT56AV4                | Spot check          | Y,<br>All test items   |
|                          | PCE (LTE)       | B2/38/38C/41/41C/71    | -                         | -                 | -                                                | -                        | -                   | N                      |

Y: Pointer to spot-check exhibit; N: Pointer to full test exhibit

**Remark:** All 5G NR spot check or full test bands are not included in this report and will be issued separately.

## 2.4 Spot Check Verification Data Section

All test items test against the variant model based on the worst-case condition from the original model was performed in this filing to demonstrate the test data from original model remains representative for the variant model.

All test procedures follow the related section of parent report.

Spot-check measurements, while being always compliant with the applicable rule part(s) for the test under consideration, show a deviation  $d_{dB}$  from the reference data no larger than 3 dB:

$$d_{dB} = |V_{dB} - R_{dB}| \leq 3 \text{ dB} \quad (1)$$

$V_{dB}$ , the variant spot-check level

$R_{dB}$ , the corresponding measurement level for the reference model

An alternative to the limit of eq. (1) is available, and is based on considering how far the reference data  $R_{dB}$  is from the compliance threshold  $C_{dB}$  (also expressed in dB), for the particular test under consideration. In this case, if  $M_{dB} = |C_{dB} - R_{dB}|$  is the margin in dB from the compliance limit, a spot check may be considered acceptable when the deviation  $d_{dB}$  from the reference data satisfies the following condition:

$$d_{dB} = |V_{dB} - R_{dB}| \leq (3 + M_{dB} / 20) \text{ dB} , \text{ for } 0 \leq M_{dB} \leq 60 \text{ dB} \quad (2)$$

$$d_{dB} = |V_{dB} - R_{dB}| = 6 \text{ dB} , \text{ for } M_{dB} > 60 \text{ dB}$$

where “| |” is the absolute value of the measured quantity.

When using the option in eq. (2),  $d_{dB}$  increases linearly from 3 dB to 6 dB.

Summary for spot check for each rule entry and technology is listed as below:

| Mode             | Test Item                                          | IHDT56AV5<br>Parent<br>Worst mode<br>Test Result | IHDT56AV4<br>Variant<br>Check Test<br>Result | Deviation<br>(dB) | Deviation<br>Limit<br>(dB) |
|------------------|----------------------------------------------------|--------------------------------------------------|----------------------------------------------|-------------------|----------------------------|
| BT 1Mbps (CH78)  | Number of Channels                                 | 79                                               | 79                                           | 0                 | 3                          |
|                  | Hopping Channel Separation                         | 0.991                                            | 0.998                                        | 0.007             | 3                          |
|                  | Dwell Time of Each Channel                         | 0.31                                             | 0.31                                         | 0                 | 3                          |
|                  | 20dB Bandwidth                                     | 0.86                                             | 0.86                                         | 0                 | 3                          |
|                  | 99% Bandwidth                                      | 0.758                                            | 0.758                                        | 0                 | 3                          |
|                  | Conducted Band Edges                               | -46.95                                           | -46.67                                       | 0.28              | 3                          |
|                  | Conducted Spurious Emission                        | -36.21                                           | -36.45                                       | 0.24              | 3                          |
| BT 1Mbps (CH78)  | Radiated Band Edges and Radiated Spurious Emission | 46.35                                            | 46.95                                        | 0.6               | 3                          |
| BT               | AC Conducted Emission                              | 7.98                                             | 8.08                                         | 0.1               | 3                          |
| BLE 2Mbps (CH38) | 6dB Bandwidth                                      | 1.18                                             | 1.17                                         | 0.01              | 3                          |
|                  | 99% Bandwidth                                      | 2.054                                            | 2.054                                        | 0                 | 3                          |
|                  | Power Spectral Density                             | -5                                               | -5.08                                        | 0.08              | 3                          |
|                  | Conducted Band Edges                               | -46.83                                           | -47.02                                       | 0.19              | 3                          |
|                  | Conducted Spurious Emission                        | -35.82                                           | -35.51                                       | 0.31              | 3                          |
| BLE 2Mbps (CH39) | Radiated Band Edges and Spurious Emission          | 41.54                                            | 41.29                                        | 0.25              | 3                          |
| BLE              | AC Conducted Emission                              | 7.98                                             | 8.08                                         | 0.1               | 3                          |
| WIFI 2.4G        | 6dB Bandwidth                                      | 17.24                                            | 17.96                                        | 0.72              | 3                          |



|                                   |                                           |         |          |          |   |
|-----------------------------------|-------------------------------------------|---------|----------|----------|---|
| (802.11ax20 CH01)                 | 99% Bandwidth                             | 19.341  | 19.5     | 0.159    | 3 |
|                                   | Power Spectral Density                    | -7.83   | -8.05    | 0.22     | 3 |
|                                   | Conducted Band Edges                      | -18.38  | -18.82   | 0.44     | 3 |
|                                   | Conducted Spurious Emission               | -36.09  | -35.22   | 0.87     | 3 |
| WIFI 2.4G<br>(802.11g CH11)       | Radiated Band Edges and Spurious Emission | 50.75   | 49.21    | 1.54     | 3 |
| WIFI 2.4G                         | AC Conducted Emission                     | 7.98    | 8.08     | 0.1      | 3 |
| FCC-WIFI 5G<br>(802.11ax20 CH149) | 26dB Bandwidth                            | 29      | 28.06    | 0.94     | 3 |
| FCC-WIFI 5G<br>(802.11ax20 CH149) | 99% Bandwidth                             | 19.341  | 19.295   | 0.046    | 3 |
| FCC-WIFI 5G<br>(802.11ax20 CH149) | Power Spectral Density                    | 3.98    | 3.93     | 0.05     | 3 |
| FCC-WIFI 5G<br>(802.11ax20 CH149) | Unwanted Emissions                        | 17.52   | 18.14    | 0.62     | 3 |
| WIFI 5G<br>(802.11ax HE80 CH106)  | DFS                                       | 0.91522 | 0.830828 | 0.084392 | 3 |
| 5G WIFI 11ax<br>HE20_CH64         | Radiated Band Edges and Spurious Emission | 50.65   | 50.01    | 0.64     | 3 |
| WIFI 5G                           | AC Conducted Emission                     | 8.68    | 9.38     | 0.7      | 3 |
| NFC                               | 20dB Emission Bandwidth (MHz)             | 2.48    | 2.48     | 0        | 3 |
|                                   | 99% Occupied Bandwidth (MHz)              | 2.10    | 2.11     | 0.01     | 3 |
|                                   | Frequency Stability                       | -0.5531 | -0.5045  | 0.0486   | 3 |
|                                   | Field Strength of Fundamental (dBuV/m)    | 55.24   | 55.48    | 0.24     | 3 |
|                                   | Radiated Spurious Emissions (dBuV/m)      | 36.16   | 33.85    | 2.31     | 3 |
|                                   | AC Power Line Conducted Emissions(dBuV)   | 9.75    | 8.40     | 1.35     | 3 |
| Part 22/24/27/90<br>(LTE Band 7C) | Equivalent Isotropic Radiated Power       | 20.47   | 20.15    | 0.32     | 3 |
|                                   | Peak-to-Average Ratio                     | 6.41    | 6.22     | 0.19     | 3 |
|                                   | Occupied Bandwidth                        | 28.77   | 28.89    | 0.12     | 3 |
|                                   | Conducted Band Edge                       | -26.22  | -27.35   | 1.13     | 3 |
|                                   | Conducted Spurious Emission               | -51.75  | -53.16   | 1.41     | 3 |
| Part 22/24/27/90<br>(GSM 850)     | Frequency Stability                       | 0.0012  | 0.0027   | 0.0015   | 3 |
|                                   | Radiated Spurious Emission                | -34.48  | -32.78   | 1.7      | 3 |



| Test Item                | Mode               | IHDT56AV5<br>Parent<br>Worst mode<br>Test Result | IHDT56AV4<br>Variant<br>Check Test<br>Result | Deviation<br>(dB) | Deviation<br>Limit<br>(dB) |
|--------------------------|--------------------|--------------------------------------------------|----------------------------------------------|-------------------|----------------------------|
| Conducted Power<br>(dBm) | BT BR/EDR          | 16.74                                            | 15.87                                        | 0.87              | 3                          |
|                          | BLE 1Mbps          | 11.92                                            | 11.67                                        | 0.25              | 3                          |
|                          | BLE 2Mbps          | 11.96                                            | 11.64                                        | 0.32              | 3                          |
|                          | 11b, 2.4GHz        | 18.51                                            | 18.18                                        | 0.33              | 3                          |
|                          | 11g, 2.4GHz        | 18.57                                            | 18.47                                        | 0.10              | 3                          |
|                          | 11n HT20, 2.4GHz   | 18.59                                            | 18.25                                        | 0.34              | 3                          |
|                          | 11n HT40, 2.4GHz   | 16.86                                            | 16.59                                        | 0.33              | 3                          |
|                          | 11ax HE20, 2.4GHz  | 18.69                                            | 18.50                                        | 0.19              | 3                          |
|                          | 11ax HE40, 2.4GHz  | 17.05                                            | 17.59                                        | 0.54              | 3                          |
|                          | 11a, 5.2GHz        | 18.24                                            | 18.21                                        | 0.03              | 3                          |
|                          | 11a, 5.3GHz        | 18.30                                            | 18.26                                        | 0.04              | 3                          |
|                          | 11a, 5.5GHz        | 18.01                                            | 17.96                                        | 0.05              | 3                          |
|                          | 11a, 5.8GHz        | 17.92                                            | 17.86                                        | 0.06              | 3                          |
|                          | 11n HT20, 5.2GHz   | 18.07                                            | 17.92                                        | 0.15              | 3                          |
|                          | 11n HT20, 5.3GHz   | 18.27                                            | 18.11                                        | 0.16              | 3                          |
|                          | 11n HT20, 5.5GHz   | 18.08                                            | 17.97                                        | 0.11              | 3                          |
|                          | 11n HT20, 5.8GHz   | 17.81                                            | 17.61                                        | 0.20              | 3                          |
|                          | 11ac VHT20, 5.2GHz | 18.12                                            | 18.04                                        | 0.08              | 3                          |
|                          | 11ac VHT20, 5.3GHz | 18.34                                            | 18.21                                        | 0.13              | 3                          |
|                          | 11ac VHT20, 5.5GHz | 18.12                                            | 18.03                                        | 0.09              | 3                          |
|                          | 11ac VHT20, 5.8GHz | 17.88                                            | 17.81                                        | 0.07              | 3                          |
|                          | 11ax HE20, 5.2GHz  | 18.23                                            | 18.18                                        | 0.05              | 3                          |
|                          | 11ax HE20, 5.3GHz  | 18.41                                            | 18.36                                        | 0.05              | 3                          |
|                          | 11ax HE20, 5.5GHz  | 18.21                                            | 18.18                                        | 0.03              | 3                          |
|                          | 11ax HE20, 5.8GHz  | 17.97                                            | 17.93                                        | 0.04              | 3                          |
|                          | 11n HT40, 5.2GHz   | 17.29                                            | 17.21                                        | 0.08              | 3                          |
|                          | 11n HT40, 5.3GHz   | 17.70                                            | 17.62                                        | 0.08              | 3                          |
|                          | 11n HT40, 5.5GHz   | 17.19                                            | 17.07                                        | 0.12              | 3                          |
|                          | 11n HT40, 5.8GHz   | 17.18                                            | 17.12                                        | 0.06              | 3                          |
|                          | 11ac VHT40, 5.2GHz | 17.36                                            | 17.35                                        | 0.01              | 3                          |
|                          | 11ac VHT40, 5.3GHz | 17.73                                            | 17.71                                        | 0.02              | 3                          |
|                          | 11ac VHT40, 5.5GHz | 17.25                                            | 17.21                                        | 0.04              | 3                          |
|                          | 11ac VHT40, 5.8GHz | 17.24                                            | 17.22                                        | 0.02              | 3                          |
|                          | 11ax HE40, 5.2GHz  | 17.47                                            | 17.41                                        | 0.06              | 3                          |
|                          | 11ax HE40, 5.3GHz  | 17.82                                            | 17.77                                        | 0.05              | 3                          |
|                          | 11ax HE40, 5.5GHz  | 17.37                                            | 17.34                                        | 0.03              | 3                          |
|                          | 11ax HE40, 5.8GHz  | 17.34                                            | 17.30                                        | 0.04              | 3                          |
|                          | 11ac VHT80, 5.2GHz | 16.33                                            | 16.26                                        | 0.07              | 3                          |
|                          | 11ac VHT80, 5.3GHz | 16.46                                            | 16.30                                        | 0.16              | 3                          |
|                          | 11ac VHT80, 5.5GHz | 16.27                                            | 16.23                                        | 0.04              | 3                          |
|                          | 11ac VHT80, 5.8GHz | 16.20                                            | 16.19                                        | 0.01              | 3                          |
|                          | 11ax HE80, 5.2GHz  | 16.43                                            | 16.38                                        | 0.05              | 3                          |
|                          | 11ax HE80, 5.3GHz  | 16.58                                            | 16.55                                        | 0.03              | 3                          |
|                          | 11ax HE80, 5.5GHz  | 16.38                                            | 16.34                                        | 0.04              | 3                          |
|                          | 11ax HE80, 5.8GHz  | 16.33                                            | 16.30                                        | 0.03              | 3                          |
|                          | GSM 850            | 31.76                                            | 31.65                                        | 0.11              | 3                          |
|                          | GSM 1900           | 28.52                                            | 28.24                                        | 0.28              | 3                          |
|                          | WCDMA 850          | 22.58                                            | 22.53                                        | 0.05              | 3                          |
|                          | WCDMA 1900         | 22.70                                            | 22.65                                        | 0.05              | 3                          |
|                          | LTE B5             | 22.59                                            | 22.49                                        | 0.1               | 3                          |
|                          | LTE B26            | 22.65                                            | 22.54                                        | 0.11              | 3                          |



|  |             |       |       |      |   |
|--|-------------|-------|-------|------|---|
|  | LTE B26-90S | 22.81 | 22.48 | 0.33 | 3 |
|  | LTE B7      | 22.84 | 22.72 | 0.12 | 3 |
|  | LTE B42     | 23.04 | 22.92 | 0.12 | 3 |
|  | LTE B7C     | 22.77 | 22.45 | 0.32 | 3 |

**Conclusion:**

All test items test against the variant model based on the worst-case condition from the original model was performed in this filing to demonstrate the test data from original model remains representative for the variant model.

Based on the spot check test result, the test data from the original model is representative for the variant model. All spot check test data are shown within expected level compliant to limit line.

We are using power and ERP/EIRP measurements from the original parent model reports to list on the grant.

We confirm that the test data referencing policy of FCC KDB 484596 D01 Referencing Test Data v02r03 has been followed and the test data as referenced from the parent model report represents compliance with new FCC ID.



### 3 List of Measuring Equipment

For BT/WIFI:

| Instrument                | Manufacturer         | Model No.                | Serial No.   | Characteristics | Calibration Date | Test Date     | Due Date      | Remark                |
|---------------------------|----------------------|--------------------------|--------------|-----------------|------------------|---------------|---------------|-----------------------|
| Spectrum Analyzer         | R&S                  | FSV40                    | 101040       | 10Hz~40GHz      | Oct. 10, 2024    | Apr. 23, 2025 | Oct. 09, 2025 | Conducted (TH01-KS)   |
| Pulse Power Sensor        | Anritsu              | MA2411B                  | 0917070      | 300MHz~40GHz    | Jan. 02, 2025    | Apr. 23, 2025 | Jan. 01, 2026 | Conducted (TH01-KS)   |
| Power Meter               | Anritsu              | ML2495A                  | 1005002      | 50MHz Bandwidth | Jan. 02, 2025    | Apr. 23, 2025 | Jan. 01, 2026 | Conducted (TH01-KS)   |
| EMI Test Receiver&SA      | KEYSIGHT             | N9038A                   | MY54450083   | 20Hz~8.4GHz     | Apr. 08, 2025    | Apr. 16, 2025 | Apr. 07, 2026 | Radiation (03CH03-SZ) |
| EXA Spectrum Analyzer     | KEYSIGHT             | N9010A                   | MY55150246   | 10Hz~44GHz;     | Apr. 08, 2025    | Apr. 16, 2025 | Apr. 07, 2026 | Radiation (03CH03-SZ) |
| Loop Antenna              | R&S                  | HFH2-Z2E                 | 101141       | 9kHz~30MHz      | Dec. 28, 2024    | Apr. 16, 2025 | Dec. 27, 2025 | Radiation (03CH03-SZ) |
| Bilog Antenna             | TeseQ                | CBL6112D                 | 35408        | 30MHz~2GHz      | Aug. 20, 2023    | Apr. 16, 2025 | Aug. 19, 2025 | Radiation (03CH03-SZ) |
| Double Ridge Horn Antenna | SCHWARZBECK          | BBHA9120D                | 9120D-1355   | 1GHz~18GHz      | Apr. 08, 2025    | Apr. 16, 2025 | Apr. 07, 2026 | Radiation (03CH03-SZ) |
| HF Amplifier              | MITEQ                | TTA1840-35-HG            | 1871923      | 18GHz~40GHz     | Jul. 03, 2024    | Apr. 16, 2025 | Jul. 02, 2025 | Radiation (03CH03-SZ) |
| SHF-EHF Horn              | com-power            | AH-840                   | 101071       | 18GHz~40GHz     | Apr. 08, 2025    | Apr. 16, 2025 | Apr. 07, 2026 | Radiation (03CH03-SZ) |
| Amplifier                 | Burgeon              | BPA-530                  | 102211       | 0.01Hz~3000MHz  | Oct. 18, 2024    | Apr. 16, 2025 | Oct. 17, 2025 | Radiation (03CH03-SZ) |
| HF Amplifier              | MITEQ                | AMF-7D-00101800-30-10P-R | 1943528      | 1GHz~18GHz      | Oct. 14, 2024    | Apr. 16, 2025 | Oct. 13, 2025 | Radiation (03CH03-SZ) |
| Amplifier                 | Agilent Technologies | 83017A                   | MY39501302   | 500MHz~26.5GHz  | Dec. 27, 2023    | Apr. 16, 2025 | Dec. 26, 2024 | Radiation (03CH03-SZ) |
| AC Power Source           | Chroma               | 61601                    | 616010002729 | N/A             | Oct. 18, 2024    | Apr. 16, 2025 | Oct. 17, 2025 | Radiation (03CH03-SZ) |
| Turn Table                | EM                   | EM1000                   | N/A          | 0~360 degree    | NCR              | Apr. 16, 2025 | NCR           | Radiation (03CH03-SZ) |
| Antenna Mast              | EM                   | EM1000                   | N/A          | 1 m~4 m         | NCR              | Apr. 16, 2025 | NCR           | Radiation (03CH03-SZ) |
| EMI Receiver              | R&S                  | ESR7                     | 102297       | 9kHz~7GHz;      | Jul. 03, 2024    | Apr. 17, 2025 | Jul. 02, 2025 | Conduction (CO02-SZ)  |
| AC LISN                   | R&S                  | ENV216                   | 101499       | 9kHz~30MHz      | Jul. 03, 2024    | Apr. 17, 2025 | Jul. 02, 2025 | Conduction (CO02-SZ)  |
| AC Power Source           | CHROMA               | 61601                    | 616010002470 | 100Vac~250Vac   | Dec. 25, 2024    | Apr. 17, 2025 | Dec. 24, 2025 | Conduction (CO02-SZ)  |
| Spectrum Analyzer         | R&S                  | FSV7                     | 101632       | 10Hz~7GHz       | Jan. 03, 2025    | Apr. 16, 2025 | Jan. 02, 2026 | Conducted (DFS01-KS)  |
| Signal Generator          | KEYSIGHT             | N5182B                   | MY53050604   | 9KHz~6GHz       | Apr. 17, 2024    | Apr. 16, 2025 | Apr. 16, 2025 | Conducted (DFS01-KS)  |
| Combiner                  | MTJ Cooperation      | MTJ7112                  | N/A          | 0.4-6GHz        | NCR              | Apr. 16, 2025 | NCR           | Conducted (DFS01-KS)  |

NCR: No Calibration Required.

**For NFC:**

| Instrument                     | Manufacturer   | Model No. | Serial No.   | Characteristics         | Calibration Date | Test Date     | Due Date      | Remark                |
|--------------------------------|----------------|-----------|--------------|-------------------------|------------------|---------------|---------------|-----------------------|
| EMI Test Receiver              | R&S            | ESR7      | 102261       | 9kHz~7GHz               | Apr. 08, 2025    | Apr. 23, 2025 | Apr. 07, 2026 | Radiation (03CH05-SZ) |
| EXA Spectrum Analyzer          | KEYSIGHT       | N9010B    | MY59071191   | 10Hz~44GHz              | Apr. 08, 2025    | Apr. 23, 2025 | Apr. 07, 2026 | Radiation (03CH05-SZ) |
| Loop Antenna                   | R&S            | HFH2-Z2E  | 101141       | 9kHz~30MHz              | Dec. 28, 2024    | Apr. 23, 2025 | Dec. 27, 2025 | Radiation (03CH05-SZ) |
| Log-periodic Antenna           | SCHWARZBECK    | VULB 9168 | 01001        | 20MHz~1.5GHz            | Jul. 08, 2024    | Apr. 23, 2025 | Jul. 07, 2025 | Radiation (03CH05-SZ) |
| Amplifier                      | EM Electronics | EM330     | 060756       | 0.01Hz~3000MHz          | Apr. 08, 2025    | Apr. 23, 2025 | Apr. 07, 2026 | Radiation (03CH05-SZ) |
| AC Power Source                | APC            | AFV-S-600 | F119050013   | N/A                     | Oct. 14, 2024    | Apr. 23, 2025 | Oct. 13, 2025 | Radiation (03CH05-SZ) |
| Turn Table                     | EMEC           | T-200-S-1 | 060925-T     | 0~360 degree            | NCR              | Apr. 23, 2025 | NCR           | Radiation (03CH05-SZ) |
| Antenna Mast                   | EMEC           | MBS-400-1 | 060927       | 1 m~4 m                 | NCR              | Apr. 23, 2025 | NCR           | Radiation (03CH05-SZ) |
| Spectrum Analyzer              | R&S            | FSV40     | 101040       | 10Hz~40GHz              | Oct. 10, 2024    | Apr. 23, 2025 | Oct. 09, 2025 | Conducted (TH01-KS)   |
| DC Power Supply                | GW INSTEK      | PLR36-10  | GET220683    | Max 20A, 36V            | Jan. 02, 2025    | Apr. 23, 2025 | Jan. 01, 2026 | Conducted (TH01-KS)   |
| Temperature & humidity chamber | Hongzhan       | LP-150U   | H2014011440  | -40~+150°C<br>20%~95%RH | Jul. 04, 2024    | Apr. 23, 2025 | Jul. 03, 2025 | Conducted (TH01-KS)   |
| EMI Receiver                   | R&S            | ESR7      | 102297       | 9kHz~7GHz;              | Jul. 03, 2024    | Apr. 17, 2025 | Jul. 02, 2025 | Conduction (CO02-SZ)  |
| AC LISN                        | R&S            | ENV216    | 101499       | 9kHz~30MHz              | Jul. 03, 2024    | Apr. 17, 2025 | Jul. 02, 2025 | Conduction (CO02-SZ)  |
| AC Power Source                | CHROMA         | 61601     | 616010002470 | 100Vac~250Vac           | Dec.25, 2024     | Apr. 17, 2025 | Dec. 24, 2025 | Conduction (CO02-SZ)  |

NCR: No Calibration Required.



## For WWAN Bands:

| Instrument                     | Manufacturer | Model No.     | Serial No.   | Characteristics         | Calibration Date | Test Date                       | Due Date      | Remark                |
|--------------------------------|--------------|---------------|--------------|-------------------------|------------------|---------------------------------|---------------|-----------------------|
| Spectrum Analyzer              | R&S          | FSV40         | 101040       | 10Hz~40GHz              | Oct. 10, 2024    | Apr. 22, 2025~<br>Apr. 23, 2025 | Oct. 09, 2025 | Conducted (TH01-KS)   |
| Power divider                  | STI          | STI08-0055    | -            | 0.5~40GHz               | NCR              | Apr. 22, 2025~<br>Apr. 23, 2025 | NCR           | Conducted (TH01-KS)   |
| Temperature & humidity chamber | Hongzhan     | LP-150U       | H2014011440  | -40~+150°C<br>20%~95%RH | Jul. 04, 2024    | Apr. 22, 2025~<br>Apr. 23, 2025 | Jul. 03, 2025 | Conducted (TH01-KS)   |
| EXA Spectrum Analyzer          | KEYSIGHT     | N9010A        | MY55150213   | 10Hz~44GHz              | Jul. 03, 2024    | Apr. 16, 2025~<br>Apr. 27, 2025 | Jul. 02, 2025 | Radiation (03CH02-SZ) |
| Loop Antenna                   | R&S          | HFH2-Z2E      | 101141       | 9kHz~30MHz              | Dec. 28, 2024    | Apr. 16, 2025~<br>Apr. 27, 2025 | Dec. 27, 2025 | Radiation (03CH02-SZ) |
| Bilog Antenna                  | TeseQ        | CBL6112D      | 35407        | 30MHz-2GHz              | Oct. 24, 2023    | Apr. 16, 2025~<br>Apr. 27, 2025 | Oct. 23, 2025 | Radiation (03CH02-SZ) |
| Double Ridge Horn Antenna      | ETS-Lindgren | 3117          | 00119436     | 1GHz~18GHz              | Jul. 04, 2024    | Apr. 16, 2025~<br>Apr. 27, 2025 | Jul. 04, 2025 | Radiation (03CH02-SZ) |
| HF Amplifier                   | MITEQ        | TTA1840-35-HG | 1871923      | 18GHz~40GHz             | Jul. 03, 2024    | Apr. 16, 2025~<br>Apr. 27, 2025 | Jul. 03, 2025 | Radiation (03CH02-SZ) |
| SHF-EHF Horn                   | com-power    | AH-840        | 101071       | 18Ghz-40GHz             | Apr. 08, 2025    | Apr. 16, 2025~<br>Apr. 27, 2025 | Apr. 07, 2026 | Radiation (03CH02-SZ) |
| LF Amplifier                   | Burgeon      | BPA-530       | 102211       | 0.01~3000Mhz            | Oct. 18, 2024    | Apr. 16, 2025~<br>Apr. 27, 2025 | Oct. 17, 2025 | Radiation (03CH02-SZ) |
| HF Amplifier                   | KEYSIGHT     | 83017A        | MY53270105   | 0.5GHz~26.5GHz          | Oct. 14, 2024    | Apr. 16, 2025~<br>Apr. 27, 2025 | Oct. 13, 2025 | Radiation (03CH02-SZ) |
| AC Power Source                | Chroma       | 61601         | 616010003043 | N/A                     | Oct. 18, 2024    | Apr. 16, 2025~<br>Apr. 27, 2025 | Oct. 17, 2025 | Radiation (03CH02-SZ) |
| Turn Table                     | Chaintek     | T-200         | N/A          | 0~360 degree            | NCR              | Apr. 16, 2025~<br>Apr. 27, 2025 | NCR           | Radiation (03CH02-SZ) |
| Antenna Mast                   | Chaintek     | MBS-400       | N/A          | 1 m~4 m                 | NCR              | Apr. 16, 2025~<br>Apr. 27, 2025 | NCR           | Radiation (03CH02-SZ) |

NCR: No Calibration Required.

## 4 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.26-2015. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

### Uncertainty of Conducted Measurement (BT/WIFI2.4G/5G)

| Test Item                              | Uncertainty |
|----------------------------------------|-------------|
| Conducted Spurious Emission & Bandedge | ±2.22 dB    |
| Occupied Channel Bandwidth             | ±0.1%       |
| Conducted Power                        | ±0.50 dB    |
| Conducted Power Spectral Density       | ±0.90 dB    |
| Frequency                              | ±0.04 Hz    |

### Uncertainty of Conducted Measurement (DFS)

|                                   |          |
|-----------------------------------|----------|
| Conducted Generated signal Levels | ±0.56 dB |
| Conducted Time                    | 0.38%    |

### Uncertainty of Conducted Measurement (NFC)

| Test Item                  | Uncertainty |
|----------------------------|-------------|
| Occupied Channel Bandwidth | ±0.1%       |
| Frequency                  | ±0.04 Hz    |

### Uncertainty of Conducted Measurement (WWAN)

| Test Item                              | Uncertainty |
|----------------------------------------|-------------|
| Conducted Spurious Emission & Bandedge | ±2.22 dB    |
| Occupied Channel Bandwidth             | ±0.1%       |
| Conducted Power                        | ±0.50 dB    |
| Peak to Average Ratio                  | ±0.90 dB    |
| Frequency Stability                    | ±0.04 ppm   |

**Uncertainty of AC Conducted Emission Measurement (0.15 MHz ~ 30 MHz)**

|                                                                         |        |
|-------------------------------------------------------------------------|--------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 2.5 dB |
|-------------------------------------------------------------------------|--------|

03CH03-SZ(BT/WIF):

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

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 5.00 dB |
|-------------------------------------------------------------------------|---------|

**Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)**

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 4.90 dB |
|-------------------------------------------------------------------------|---------|

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

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 5.00 dB |
|-------------------------------------------------------------------------|---------|

03CH05-SZ(NFC):

**Uncertainty of Radiated Emission Measurement (9 kHz ~ 30 MHz)**

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 2.50 dB |
|-------------------------------------------------------------------------|---------|

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

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 4.20 dB |
|-------------------------------------------------------------------------|---------|

03CH02-SZ(WWAN):

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

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 2.47 dB |
|-------------------------------------------------------------------------|---------|

**Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)**

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 3.31 dB |
|-------------------------------------------------------------------------|---------|

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

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 3.72 dB |
|-------------------------------------------------------------------------|---------|

-THE END-



## Appendix A. Radiated Spurious Emission

|                 |              |                     |        |
|-----------------|--------------|---------------------|--------|
| Test Engineer : | Shunping You | Relative Humidity : | 50%    |
|                 |              | Temperature :       | 20-24℃ |

### Radiated Spurious Emission Test Modes

| Mode   | Band  | Band (GHz) | Antenna | Modulation    | Channel | Frequency | Data Rate | RU   | Remark |
|--------|-------|------------|---------|---------------|---------|-----------|-----------|------|--------|
| Mode 1 | CO-TX | 5.25-5.35  | 5       | 802.11ax HE20 | 64      | 5320      | MCS0      | Full | -      |
|        |       | -          | -       | BT on         | -       | -         | -         | -    | -      |
|        |       | -          | -       | NFC on        | -       | -         | -         | -    | -      |
|        |       | -          | -       | LTE Band 71   | LINK    | -         | -         | -    | -      |
| Mode 2 | CO-TX | 5.25-5.35  | 5       | 802.11ax HE20 | 64      | 5320      | MCS0      | Full | -      |
|        |       | -          | -       | BT on         | -       | -         | -         | -    | -      |
|        |       | -          | -       | NFC on        | -       | -         | -         | -    | -      |
|        |       | -          | -       | LTE Band 41   | LINK    | -         | -         | -    | -      |
| Mode 3 | CO-TX |            |         | LF            |         |           |           |      |        |

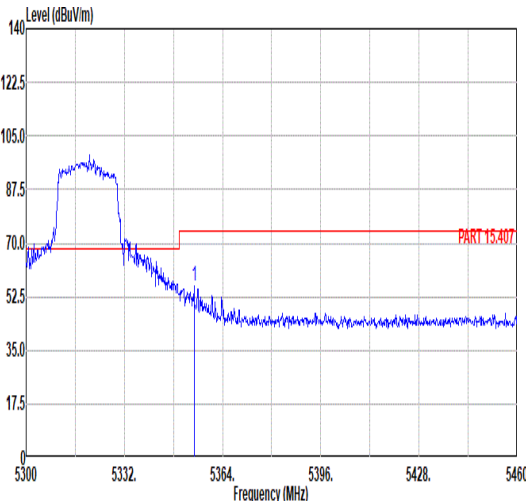
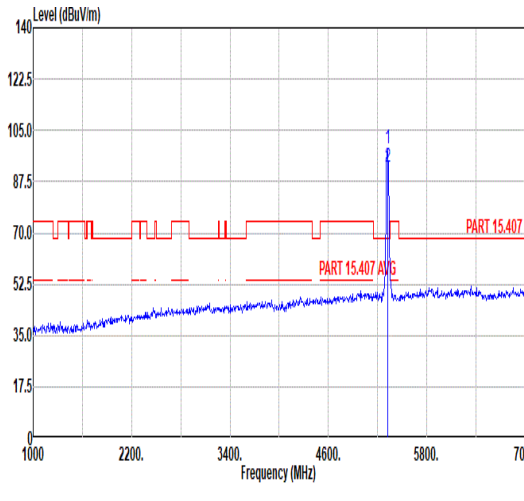
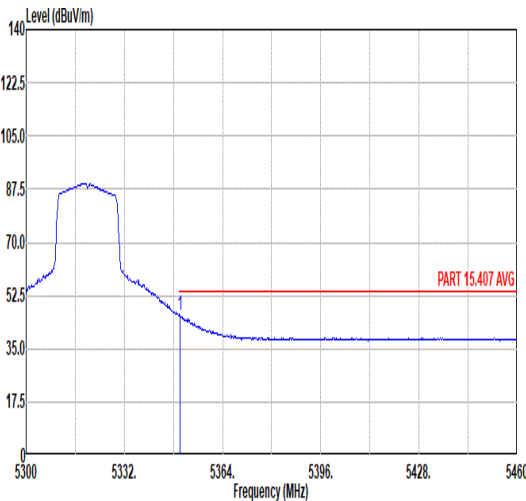
### Summary of each worse mode

| Mode | Modulation       | Ch. | Freq. (MHz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Pol. | Peak Avg. | Result | Remark    |
|------|------------------|-----|-------------|----------------|----------------|-------------|------|-----------|--------|-----------|
| 1    | 802.11ax HE20    | 64  | 5350.24     | 49.99          | 54.00          | -4.01       | H    | Average   | Pass   | Band Edge |
|      | 802.11ax HE20    | 64  | 15960.00    | 46.33          | 74.00          | -27.67      | H    | Peak      | Pass   | Harmonic  |
| 2    | 802.11ax HE20    | 64  | 5350.10     | 49.71          | 54.00          | -4.29       | H    | AVERAGE   | Pass   | Band Edge |
|      | 802.11ax HE20    | 64  | 10640.00    | 47.57          | 74.00          | -26.43      | H    | Peak      | Pass   | Harmonic  |
| 3    | 802.11ax HE20_LF | 64  | 34.85       | 26.73          | 40.00          | -13.27      | V    | Peak      | Pass   | LF        |

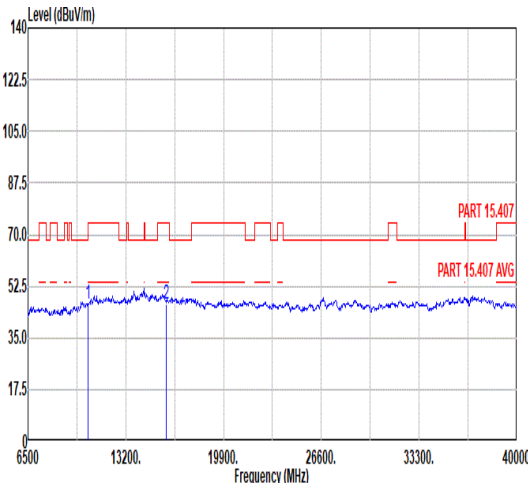
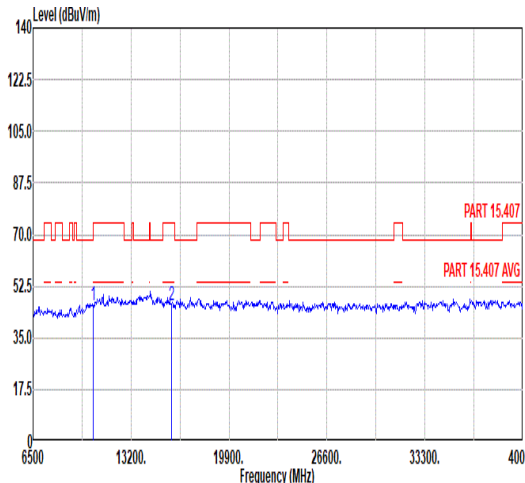


| Mode | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |        |        |        |        |        |        |        |            |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |       |      |     |       |        |      |      |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |     |         |   |         |       |       |       |       |       |      |       |     |            |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------|--------|--------|--------|--------|--------|--------|------------|--------|------|-------|------|--------|-------|--------|------|--------|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|------|-------|-----|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-------|------|-----|-------|--------|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|--------|-------|-------|-------|-------|------|-------|-----|---------|---|---------|-------|-------|-------|-------|-------|------|-------|-----|------------|
|      | Band Edge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |        |        |        |        |        |        |        |            |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |       |      |     |       |        |      |      |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |     |         |   |         |       |       |       |       |       |      |       |     |            |
|      | LTE Band 71 + 802.11ax HE20 + BT on + NFC on.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |        |        |        |        |        |        |        |            |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |       |      |     |       |        |      |      |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |     |         |   |         |       |       |       |       |       |      |       |     |            |
| ANT  | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |             |        |        |        |        |        |        |        |            |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |       |      |     |       |        |      |      |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |     |         |   |         |       |       |       |       |       |      |       |     |            |
| Pol. | Horizontal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Fundamental |        |        |        |        |        |        |        |            |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |       |      |     |       |        |      |      |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |     |         |   |         |       |       |       |       |       |      |       |     |            |
| Peak | <div><table><tr><th colspan="2"></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th rowspan="2">Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5351.52</td><td>60.07</td><td>74.00</td><td>-13.93</td><td>50.29</td><td>34.11</td><td>8.33</td><td>32.66</td><td>161</td><td>40 Peak</td></tr></table></div>                          |             |        | Limit  | Read   | Ant    | Cable  | Preamp | APos   | TPos       | Remark | Freq | Level | Line | Margin | Level | Factor | Loss | Factor |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 5351.52 | 60.07 | 74.00 | -13.93 | 50.29 | 34.11 | 8.33 | 32.66 | 161 | 40 Peak    | <div><table><tr><th colspan="2"></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th rowspan="2">Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5320.00</td><td>103.66</td><td>-----</td><td>-----</td><td>93.99</td><td>34.09</td><td>8.25</td><td>32.67</td><td>161</td><td>40 Peak</td></tr><tr><td>2</td><td>5320.00</td><td>96.65</td><td>-----</td><td>-----</td><td>86.98</td><td>34.09</td><td>8.25</td><td>32.67</td><td>161</td><td>40 Average</td></tr></table></div> |  |  | Limit | Read | Ant | Cable | Preamp | APos | TPos | Remark | Freq | Level | Line | Margin | Level | Factor | Loss | Factor |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 5320.00 | 103.66 | ----- | ----- | 93.99 | 34.09 | 8.25 | 32.67 | 161 | 40 Peak | 2 | 5320.00 | 96.65 | ----- | ----- | 86.98 | 34.09 | 8.25 | 32.67 | 161 | 40 Average |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             | Limit  | Read   | Ant    | Cable  | Preamp | APos   | TPos   | Remark     |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |       |      |     |       |        |      |      |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |     |         |   |         |       |       |       |       |       |      |       |     |            |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Line        | Margin | Level  | Factor | Loss   | Factor |        |        |            |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |       |      |     |       |        |      |      |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |     |         |   |         |       |       |       |       |       |      |       |     |            |
| MHz  | dBuV/m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | dBuV/m      | dB     | dBuV   | dB/m   | dB     | dB     | cm     | deg    |            |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |       |      |     |       |        |      |      |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |     |         |   |         |       |       |       |       |       |      |       |     |            |
| 1    | 5351.52                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 60.07       | 74.00  | -13.93 | 50.29  | 34.11  | 8.33   | 32.66  | 161    | 40 Peak    |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |       |      |     |       |        |      |      |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |     |         |   |         |       |       |       |       |       |      |       |     |            |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Limit       | Read   | Ant    | Cable  | Preamp | APos   | TPos   | Remark |            |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |       |      |     |       |        |      |      |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |     |         |   |         |       |       |       |       |       |      |       |     |            |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Line        | Margin | Level  | Factor | Loss   | Factor |        |        |            |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |       |      |     |       |        |      |      |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |     |         |   |         |       |       |       |       |       |      |       |     |            |
| MHz  | dBuV/m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | dBuV/m      | dB     | dBuV   | dB/m   | dB     | dB     | cm     | deg    |            |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |       |      |     |       |        |      |      |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |     |         |   |         |       |       |       |       |       |      |       |     |            |
| 1    | 5320.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 103.66      | -----  | -----  | 93.99  | 34.09  | 8.25   | 32.67  | 161    | 40 Peak    |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |       |      |     |       |        |      |      |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |     |         |   |         |       |       |       |       |       |      |       |     |            |
| 2    | 5320.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 96.65       | -----  | -----  | 86.98  | 34.09  | 8.25   | 32.67  | 161    | 40 Average |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |       |      |     |       |        |      |      |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |     |         |   |         |       |       |       |       |       |      |       |     |            |
| Avg  | <div><p>Date: 2025-04-27</p><table><tr><th colspan="2"></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th rowspan="2">Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5350.24</td><td>49.99</td><td>54.00</td><td>-4.01</td><td>40.21</td><td>34.11</td><td>8.33</td><td>32.66</td><td>161</td><td>40 Average</td></tr></table></div> |             |        | Limit  | Read   | Ant    | Cable  | Preamp | APos   | TPos       | Remark | Freq | Level | Line | Margin | Level | Factor | Loss | Factor |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 5350.24 | 49.99 | 54.00 | -4.01  | 40.21 | 34.11 | 8.33 | 32.66 | 161 | 40 Average | Blank                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |       |      |     |       |        |      |      |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |     |         |   |         |       |       |       |       |       |      |       |     |            |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Limit       | Read   | Ant    | Cable  | Preamp | APos   | TPos   | Remark |            |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |       |      |     |       |        |      |      |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |     |         |   |         |       |       |       |       |       |      |       |     |            |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Line        | Margin | Level  | Factor | Loss   | Factor |        |        |            |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |       |      |     |       |        |      |      |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |     |         |   |         |       |       |       |       |       |      |       |     |            |
| MHz  | dBuV/m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | dBuV/m      | dB     | dBuV   | dB/m   | dB     | dB     | cm     | deg    |            |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |       |      |     |       |        |      |      |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |     |         |   |         |       |       |       |       |       |      |       |     |            |
| 1    | 5350.24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 49.99       | 54.00  | -4.01  | 40.21  | 34.11  | 8.33   | 32.66  | 161    | 40 Average |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |       |      |     |       |        |      |      |        |      |       |      |        |       |        |      |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |     |         |   |         |       |       |       |       |       |      |       |     |            |



| Mode | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |        |        |        |        |        |        |      |     |         |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |     |      |   |         |       |       |       |       |       |      |       |     |     |         |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------|--------|--------|--------|--------|--------|------|-----|---------|-------|------|--------|-------|--------|------|--------|--------|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|------|-------|-----|-----|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------|------|-----|-------|--------|------|------|--|------|-------|------|--------|-------|--------|------|--------|--------|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|-------|-------|-------|------|-------|-----|-----|------|---|---------|-------|-------|-------|-------|-------|------|-------|-----|-----|---------|
|      | Band Edge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |        |        |        |        |        |        |      |     |         |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |     |      |   |         |       |       |       |       |       |      |       |     |     |         |
|      | LTE Band 71 + 802.11ax HE20 + BT on + NFC on.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |             |        |        |        |        |        |        |      |     |         |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |     |      |   |         |       |       |       |       |       |      |       |     |     |         |
| ANT  | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |        |        |        |        |        |        |      |     |         |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |     |      |   |         |       |       |       |       |       |      |       |     |     |         |
| Pol. | Vertical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Fundamental |        |        |        |        |        |        |      |     |         |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |     |      |   |         |       |       |       |       |       |      |       |     |     |         |
| Peak |  <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5354.72</td><td>56.23</td><td>74.00</td><td>-17.77</td><td>46.44</td><td>34.11</td><td>8.34</td><td>32.66</td><td>115</td><td>266</td><td>Peak</td></tr></table>    |             | Limit  | Read   | Ant    | Cable  | Preamp | APos   | TPos |     | Freq    | Level | Line | Margin | Level | Factor | Loss | Factor | Remark | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 5354.72 | 56.23 | 74.00 | -17.77 | 46.44 | 34.11 | 8.34 | 32.66 | 115 | 266 | Peak    |  <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5320.00</td><td>98.84</td><td>-----</td><td>-----</td><td>89.17</td><td>34.09</td><td>8.25</td><td>32.67</td><td>115</td><td>266</td><td>Peak</td></tr><tr><td>2</td><td>5320.00</td><td>92.32</td><td>-----</td><td>-----</td><td>82.65</td><td>34.09</td><td>8.25</td><td>32.67</td><td>115</td><td>266</td><td>Average</td></tr></table> |  | Limit | Read | Ant | Cable | Preamp | APos | TPos |  | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Remark | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 5320.00 | 98.84 | ----- | ----- | 89.17 | 34.09 | 8.25 | 32.67 | 115 | 266 | Peak | 2 | 5320.00 | 92.32 | ----- | ----- | 82.65 | 34.09 | 8.25 | 32.67 | 115 | 266 | Average |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Limit       | Read   | Ant    | Cable  | Preamp | APos   | TPos   |      |     |         |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |     |      |   |         |       |       |       |       |       |      |       |     |     |         |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Line        | Margin | Level  | Factor | Loss   | Factor | Remark |      |     |         |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |     |      |   |         |       |       |       |       |       |      |       |     |     |         |
| MHz  | dBuV/m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | dBuV/m      | dB     | dBuV   | dB/m   | dB     | dB     | cm     | deg  |     |         |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |     |      |   |         |       |       |       |       |       |      |       |     |     |         |
| 1    | 5354.72                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 56.23       | 74.00  | -17.77 | 46.44  | 34.11  | 8.34   | 32.66  | 115  | 266 | Peak    |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |     |      |   |         |       |       |       |       |       |      |       |     |     |         |
|      | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Read        | Ant    | Cable  | Preamp | APos   | TPos   |        |      |     |         |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |     |      |   |         |       |       |       |       |       |      |       |     |     |         |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Line        | Margin | Level  | Factor | Loss   | Factor | Remark |      |     |         |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |     |      |   |         |       |       |       |       |       |      |       |     |     |         |
| MHz  | dBuV/m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | dBuV/m      | dB     | dBuV   | dB/m   | dB     | dB     | cm     | deg  |     |         |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |     |      |   |         |       |       |       |       |       |      |       |     |     |         |
| 1    | 5320.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 98.84       | -----  | -----  | 89.17  | 34.09  | 8.25   | 32.67  | 115  | 266 | Peak    |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |     |      |   |         |       |       |       |       |       |      |       |     |     |         |
| 2    | 5320.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 92.32       | -----  | -----  | 82.65  | 34.09  | 8.25   | 32.67  | 115  | 266 | Average |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |     |      |   |         |       |       |       |       |       |      |       |     |     |         |
| Avg  |  <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Remark</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5350.08</td><td>45.73</td><td>54.00</td><td>-8.27</td><td>35.95</td><td>34.11</td><td>8.33</td><td>32.66</td><td>115</td><td>266</td><td>Average</td></tr></table> |             | Limit  | Read   | Ant    | Cable  | Preamp | APos   | TPos |     | Freq    | Level | Line | Margin | Level | Factor | Loss | Factor | Remark | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 5350.08 | 45.73 | 54.00 | -8.27  | 35.95 | 34.11 | 8.33 | 32.66 | 115 | 266 | Average | Blank                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |     |      |   |         |       |       |       |       |       |      |       |     |     |         |
|      | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Read        | Ant    | Cable  | Preamp | APos   | TPos   |        |      |     |         |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |     |      |   |         |       |       |       |       |       |      |       |     |     |         |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Line        | Margin | Level  | Factor | Loss   | Factor | Remark |      |     |         |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |     |      |   |         |       |       |       |       |       |      |       |     |     |         |
| MHz  | dBuV/m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | dBuV/m      | dB     | dBuV   | dB/m   | dB     | dB     | cm     | deg  |     |         |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |     |      |   |         |       |       |       |       |       |      |       |     |     |         |
| 1    | 5350.08                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 45.73       | 54.00  | -8.27  | 35.95  | 34.11  | 8.33   | 32.66  | 115  | 266 | Average |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |     |      |   |         |       |       |       |       |       |      |       |     |     |         |



| Mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |        |       |        |        |        |      |                                                                                     |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |       |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|-------|--------|--------|--------|------|-------------------------------------------------------------------------------------|-------|------|-------|--------|--------|------|------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|----|------------|------------|-------|--------|--------|-------|-------|-------|------------|------------|-------|--------|--------|-------|-------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|-------|-------|------|-------|--------|--------|------|------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|------|------|----|------------|------------|-------|--------|--------|-------|-------|-------|------------|------------|-------|--------|--------|-------|-------|-------|-------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Harmonic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |        |       |        |        |        |      |                                                                                     |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |       |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LTE Band 71 + 802.11ax HE20 + BT on + NFC on.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |        |       |        |        |        |      |                                                                                     |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |       |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |       |
| ANT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |        |       |        |        |        |      |                                                                                     |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |       |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |       |
| Pol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Horizontal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |        |       |        |        |        |      | Vertical                                                                            |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |       |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |       |
| Peak<br><br>Avg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |        |       |        |        |        |      |  |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |       |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th></tr><tr><td>1 10640.00</td><td>46.26</td><td>74.00</td><td>-27.74</td><td>56.23</td><td>37.78</td><td>10.94</td><td>58.69</td></tr><tr><td>2 15960.00</td><td>46.33</td><td>74.00</td><td>-27.67</td><td>53.41</td><td>39.59</td><td>12.70</td><td>59.37</td></tr></table> |        |        |       |        |        |        |      |                                                                                     | Limit | Read | Ant   | Cable  | Preamp | APos | TPos | Freq  | Level | Line   | Margin | Level  | Factor | Loss   | Factor | MHz    | dBuV/m | dBuV/m | dB   | dBuV | dB/m | dB | dB         | 1 10640.00 | 46.26 | 74.00  | -27.74 | 56.23 | 37.78 | 10.94 | 58.69      | 2 15960.00 | 46.33 | 74.00  | -27.67 | 53.41 | 39.59 | 12.70 | 59.37                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th></tr><tr><td>1 10640.00</td><td>46.15</td><td>74.00</td><td>-27.85</td><td>56.12</td><td>37.78</td><td>10.94</td><td>58.69</td></tr><tr><td>2 15960.00</td><td>46.03</td><td>74.00</td><td>-27.97</td><td>53.11</td><td>39.59</td><td>12.70</td><td>59.37</td></tr></table> |  |  |  |  |  |  |  |       | Limit | Read | Ant   | Cable  | Preamp | APos | TPos | Freq  | Level | Line   | Margin | Level  | Factor | Loss   | Factor | MHz    | dBuV/m | dBuV/m | dB   | dBuV | dB/m | dB | dB         | 1 10640.00 | 46.15 | 74.00  | -27.85 | 56.12 | 37.78 | 10.94 | 58.69      | 2 15960.00 | 46.03 | 74.00  | -27.97 | 53.11 | 39.59 | 12.70 | 59.37 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Limit  | Read   | Ant   | Cable  | Preamp | APos   | TPos |                                                                                     |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |       |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |       |
| Freq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Line   | Margin | Level | Factor | Loss   | Factor |      |                                                                                     |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |       |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |       |
| MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | dBuV/m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | dBuV/m | dB     | dBuV  | dB/m   | dB     | dB     |      |                                                                                     |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |       |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |       |
| 1 10640.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 46.26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 74.00  | -27.74 | 56.23 | 37.78  | 10.94  | 58.69  |      |                                                                                     |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |       |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |       |
| 2 15960.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 46.33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 74.00  | -27.67 | 53.41 | 39.59  | 12.70  | 59.37  |      |                                                                                     |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |       |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Read   | Ant    | Cable | Preamp | APos   | TPos   |      |                                                                                     |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |       |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |       |
| Freq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Line   | Margin | Level | Factor | Loss   | Factor |      |                                                                                     |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |       |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |       |
| MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | dBuV/m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | dBuV/m | dB     | dBuV  | dB/m   | dB     | dB     |      |                                                                                     |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |       |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |       |
| 1 10640.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 46.15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 74.00  | -27.85 | 56.12 | 37.78  | 10.94  | 58.69  |      |                                                                                     |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |       |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |       |
| 2 15960.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 46.03                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 74.00  | -27.97 | 53.11 | 39.59  | 12.70  | 59.37  |      |                                                                                     |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |       |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |       |
| <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th></tr><tr><td>1 10640.00</td><td>46.26</td><td>74.00</td><td>-27.74</td><td>56.23</td><td>37.78</td><td>10.94</td><td>58.69</td></tr><tr><td>2 15960.00</td><td>46.33</td><td>74.00</td><td>-27.67</td><td>53.41</td><td>39.59</td><td>12.70</td><td>59.37</td></tr></table> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |        |       |        |        |        |      | Limit                                                                               | Read  | Ant  | Cable | Preamp | APos   | TPos | Freq | Level | Line  | Margin | Level  | Factor | Loss   | Factor | MHz    | dBuV/m | dBuV/m | dB     | dBuV | dB/m | dB   | cm | 1 10640.00 | 46.26      | 74.00 | -27.74 | 56.23  | 37.78 | 10.94 | 58.69 | 2 15960.00 | 46.33      | 74.00 | -27.67 | 53.41  | 39.59 | 12.70 | 59.37 | <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th></tr><tr><td>1 10640.00</td><td>46.15</td><td>74.00</td><td>-27.85</td><td>56.12</td><td>37.78</td><td>10.94</td><td>58.69</td></tr><tr><td>2 15960.00</td><td>46.03</td><td>74.00</td><td>-27.97</td><td>53.11</td><td>39.59</td><td>12.70</td><td>59.37</td></tr></table> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  | Limit | Read  | Ant  | Cable | Preamp | APos   | TPos | Freq | Level | Line  | Margin | Level  | Factor | Loss   | Factor | MHz    | dBuV/m | dBuV/m | dB     | dBuV | dB/m | dB   | cm | 1 10640.00 | 46.15      | 74.00 | -27.85 | 56.12  | 37.78 | 10.94 | 58.69 | 2 15960.00 | 46.03      | 74.00 | -27.97 | 53.11  | 39.59 | 12.70 | 59.37 |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Read   | Ant    | Cable | Preamp | APos   | TPos   |      |                                                                                     |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |       |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |       |
| Freq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Line   | Margin | Level | Factor | Loss   | Factor |      |                                                                                     |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |       |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |       |
| MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | dBuV/m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | dBuV/m | dB     | dBuV  | dB/m   | dB     | cm     |      |                                                                                     |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |       |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |       |
| 1 10640.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 46.26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 74.00  | -27.74 | 56.23 | 37.78  | 10.94  | 58.69  |      |                                                                                     |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |       |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |       |
| 2 15960.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 46.33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 74.00  | -27.67 | 53.41 | 39.59  | 12.70  | 59.37  |      |                                                                                     |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |       |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Read   | Ant    | Cable | Preamp | APos   | TPos   |      |                                                                                     |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |       |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |       |
| Freq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Line   | Margin | Level | Factor | Loss   | Factor |      |                                                                                     |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |       |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |       |
| MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | dBuV/m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | dBuV/m | dB     | dBuV  | dB/m   | dB     | cm     |      |                                                                                     |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |       |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |       |
| 1 10640.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 46.15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 74.00  | -27.85 | 56.12 | 37.78  | 10.94  | 58.69  |      |                                                                                     |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |       |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |       |
| 2 15960.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 46.03                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 74.00  | -27.97 | 53.11 | 39.59  | 12.70  | 59.37  |      |                                                                                     |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |       |       |      |       |        |        |      |      |       |       |        |        |        |        |        |        |        |        |        |      |      |      |    |            |            |       |        |        |       |       |       |            |            |       |        |        |       |       |       |       |



| Mode | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             |        |       |        |        |        |        |      |            |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |     |            |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------|-------|--------|--------|--------|--------|------|------------|------|-------|------|--------|-------|--------|------|--------|--------|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|-------|-------|-------|------|-------|-----|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------|------|-----|-------|--------|------|------|--|------|-------|------|--------|-------|--------|------|--------|--------|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|--------|-------|-------|--------|-------|------|-------|-----|------------|
|      | Band Edge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |        |       |        |        |        |        |      |            |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |     |            |
|      | LTE Band 41 + 802.11ax HE20 + BT on + NFC on.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |        |       |        |        |        |        |      |            |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |     |            |
| ANT  | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             |        |       |        |        |        |        |      |            |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |     |            |
| Pol. | Horizontal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Fundamental |        |       |        |        |        |        |      |            |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |     |            |
| Peak | <div><p>Level (dBuV/m)</p><p>Date: 2025-04-27</p><p>Frequency (MHz)</p><table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5353.74</td><td>64.56</td><td>74.00</td><td>-9.44</td><td>54.77</td><td>34.11</td><td>8.34</td><td>32.66</td><td>106</td><td>58 PEAK</td></tr></tbody></table></div>    |             | Limit  | Read  | Ant    | Cable  | Preamp | APos   | TPos |            | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 5353.74 | 64.56 | 74.00 | -9.44 | 54.77 | 34.11 | 8.34 | 32.66 | 106 | 58 PEAK    | <div><p>Level (dBuV/m)</p><p>Date: 2025-04-27</p><p>Frequency (MHz)</p><table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5320.00</td><td>103.80</td><td>-----</td><td>-----</td><td>101.53</td><td>30.64</td><td>5.06</td><td>33.43</td><td>106</td><td>58 PEAK</td></tr></tbody></table></div>  |  | Limit | Read | Ant | Cable | Preamp | APos | TPos |  | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 5320.00 | 103.80 | ----- | ----- | 101.53 | 30.64 | 5.06 | 33.43 | 106 | 58 PEAK    |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Limit       | Read   | Ant   | Cable  | Preamp | APos   | TPos   |      |            |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |     |            |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Line        | Margin | Level | Factor | Loss   | Factor | Remark |      |            |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |     |            |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | dBuV/m      | dBuV/m | dB    | dBuV   | dB/m   | dB     | dB     | cm   | deg        |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |     |            |
| 1    | 5353.74                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 64.56       | 74.00  | -9.44 | 54.77  | 34.11  | 8.34   | 32.66  | 106  | 58 PEAK    |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |     |            |
|      | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Read        | Ant    | Cable | Preamp | APos   | TPos   |        |      |            |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |     |            |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Line        | Margin | Level | Factor | Loss   | Factor | Remark |      |            |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |     |            |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | dBuV/m      | dBuV/m | dB    | dBuV   | dB/m   | dB     | dB     | cm   | deg        |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |     |            |
| 1    | 5320.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 103.80      | -----  | ----- | 101.53 | 30.64  | 5.06   | 33.43  | 106  | 58 PEAK    |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |     |            |
| Avg  | <div><p>Level (dBuV/m)</p><p>Date: 2025-04-27</p><p>Frequency (MHz)</p><table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5350.10</td><td>49.71</td><td>54.00</td><td>-4.29</td><td>39.93</td><td>34.11</td><td>8.33</td><td>32.66</td><td>106</td><td>58 AVERAGE</td></tr></tbody></table></div> |             | Limit  | Read  | Ant    | Cable  | Preamp | APos   | TPos |            | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 5350.10 | 49.71 | 54.00 | -4.29 | 39.93 | 34.11 | 8.33 | 32.66 | 106 | 58 AVERAGE | <div><p>Level (dBuV/m)</p><p>Date: 2025-04-27</p><p>Frequency (MHz)</p><table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5320.00</td><td>95.90</td><td>-----</td><td>-----</td><td>93.63</td><td>30.64</td><td>5.06</td><td>33.43</td><td>106</td><td>58 AVERAGE</td></tr></tbody></table></div> |  | Limit | Read | Ant | Cable | Preamp | APos | TPos |  | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 5320.00 | 95.90  | ----- | ----- | 93.63  | 30.64 | 5.06 | 33.43 | 106 | 58 AVERAGE |
|      | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Read        | Ant    | Cable | Preamp | APos   | TPos   |        |      |            |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |     |            |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Line        | Margin | Level | Factor | Loss   | Factor | Remark |      |            |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |     |            |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | dBuV/m      | dBuV/m | dB    | dBuV   | dB/m   | dB     | dB     | cm   | deg        |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |     |            |
| 1    | 5350.10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 49.71       | 54.00  | -4.29 | 39.93  | 34.11  | 8.33   | 32.66  | 106  | 58 AVERAGE |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |     |            |
|      | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Read        | Ant    | Cable | Preamp | APos   | TPos   |        |      |            |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |     |            |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Line        | Margin | Level | Factor | Loss   | Factor | Remark |      |            |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |     |            |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | dBuV/m      | dBuV/m | dB    | dBuV   | dB/m   | dB     | dB     | cm   | deg        |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |     |            |
| 1    | 5320.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 95.90       | -----  | ----- | 93.63  | 30.64  | 5.06   | 33.43  | 106  | 58 AVERAGE |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |     |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |     |            |

Remark: All signals exceeding the limit are fundamental frequency signals and can be ignored.

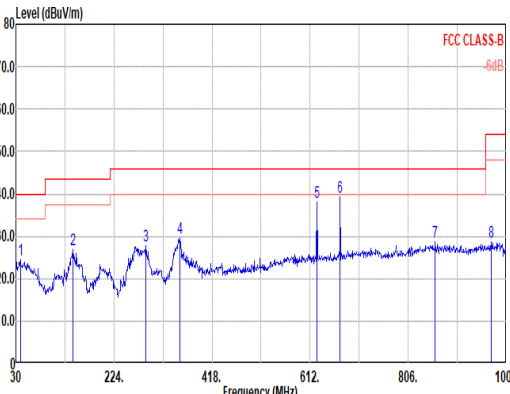
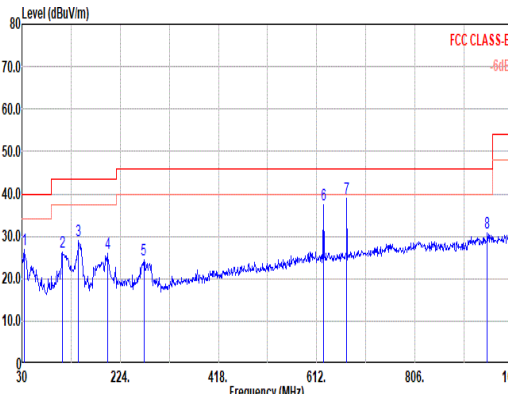


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|                                               |  |  |  |  |             |  |  |  |  |



| Mode            | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |        |        |        |        |          |        |        |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|----------|--------|--------|-----|-------|--------|------|------|--|------|-------|------|--------|-------|--------|------|--------|--------|--|-----|--------|--------|----|------|------|----|----|-----|---|----------|-------|-------|--------|-------|-------|-------|-------|----|----|------|---|----------|-------|-------|--------|-------|-------|-------|-------|----|----|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|-------|------|-----|-------|--------|------|------|--|------|-------|------|--------|-------|--------|------|--------|--------|--|-----|--------|--------|----|------|------|----|----|-----|---|----------|-------|-------|--------|-------|-------|-------|-------|----|----|------|---|----------|-------|-------|--------|-------|-------|-------|-------|----|----|------|
|                 | Harmonic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |        |        |        |        |          |        |        |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |
|                 | LTE Band 41 + 802.11ax HE20 + BT on + NFC on.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |        |        |        |        |          |        |        |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |
| ANT             | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |        |        |        |        |          |        |        |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |
| Pol.            | Horizontal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |        |        |        |        | Vertical |        |        |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |
| Peak<br><br>Avg | <div><div>Level (dBuV/m)</div><div>Date: 2025-04-27</div><table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>10640.00</td><td>47.57</td><td>74.00</td><td>-26.43</td><td>57.54</td><td>37.78</td><td>10.94</td><td>58.69</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>15960.00</td><td>45.19</td><td>74.00</td><td>-28.81</td><td>52.27</td><td>39.59</td><td>12.70</td><td>59.37</td><td>--</td><td>--</td><td>Peak</td></tr></table></div> |        |        |        |        |        |          | Limit  | Read   | Ant | Cable | Preamp | APos | TPos |  | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | cm | deg | 1 | 10640.00 | 47.57 | 74.00 | -26.43 | 57.54 | 37.78 | 10.94 | 58.69 | -- | -- | Peak | 2 | 15960.00 | 45.19 | 74.00 | -28.81 | 52.27 | 39.59 | 12.70 | 59.37 | -- | -- | Peak | <div><div>Level (dBuV/m)</div><div>Date: 2025-04-27</div><table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>10640.00</td><td>46.77</td><td>74.00</td><td>-27.23</td><td>56.74</td><td>37.78</td><td>10.94</td><td>58.69</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>15960.00</td><td>45.21</td><td>74.00</td><td>-28.79</td><td>52.29</td><td>39.59</td><td>12.70</td><td>59.37</td><td>--</td><td>--</td><td>Peak</td></tr></table></div> |  |  |  |  |  |  | Limit | Read | Ant | Cable | Preamp | APos | TPos |  | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | cm | deg | 1 | 10640.00 | 46.77 | 74.00 | -27.23 | 56.74 | 37.78 | 10.94 | 58.69 | -- | -- | Peak | 2 | 15960.00 | 45.21 | 74.00 | -28.79 | 52.29 | 39.59 | 12.70 | 59.37 | -- | -- | Peak |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Limit  | Read   | Ant    | Cable  | Preamp | APos     | TPos   |        |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |
|                 | Freq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Level  | Line   | Margin | Level  | Factor | Loss     | Factor | Remark |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |
|                 | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | dBuV/m | dBuV/m | dB     | dBuV   | dB/m   | dB       | cm     | deg    |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |
| 1               | 10640.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 47.57  | 74.00  | -26.43 | 57.54  | 37.78  | 10.94    | 58.69  | --     | --  | Peak  |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |
| 2               | 15960.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 45.19  | 74.00  | -28.81 | 52.27  | 39.59  | 12.70    | 59.37  | --     | --  | Peak  |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |
|                 | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Read   | Ant    | Cable  | Preamp | APos   | TPos     |        |        |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |
| Freq            | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Line   | Margin | Level  | Factor | Loss   | Factor   | Remark |        |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |
|                 | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | dBuV/m | dBuV/m | dB     | dBuV   | dB/m   | dB       | cm     | deg    |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |
| 1               | 10640.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 46.77  | 74.00  | -27.23 | 56.74  | 37.78  | 10.94    | 58.69  | --     | --  | Peak  |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |
| 2               | 15960.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 45.21  | 74.00  | -28.79 | 52.29  | 39.59  | 12.70    | 59.37  | --     | --  | Peak  |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |        |        |        |        |          |        |        |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |        |        |        |        |          |        |        |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |      |      |  |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |     |   |          |       |       |        |       |       |       |       |    |    |      |   |          |       |       |        |       |       |       |       |    |    |      |



| Mode            | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |        |        |        |        |          |       |        |        |      |        |        |      |       |       |      |        |      |     |       |        |      |      |        |  |     |        |        |    |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |  |  |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|----------|-------|--------|--------|------|--------|--------|------|-------|-------|------|--------|------|-----|-------|--------|------|------|--------|--|-----|--------|--------|----|----|------|------|----|----|----|-----|--|---|-------|-------|-------|--------|-------|-------|------|-------|----|----|----|------|---|--------|-------|-------|--------|-------|-------|------|-------|----|----|----|------|---|--------|-------|-------|--------|-------|-------|------|-------|----|----|----|------|---|--------|-------|-------|--------|-------|-------|------|-------|----|----|----|------|---|--------|-------|-------|--------|-------|-------|------|-------|----|----|----|------|---|--------|-------|--|--|-------|-------|------|-------|----|----|----|------|---|--------|-------|-------|--------|-------|-------|------|-------|----|----|----|------|---|--------|-------|-------|--------|-------|-------|------|-------|----|----|----|------|
|                 | LF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |        |        |        |        |          |       |        |        |      |        |        |      |       |       |      |        |      |     |       |        |      |      |        |  |     |        |        |    |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |  |  |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |
|                 | LTE Band 71 + 802.11ax HE20 + BT on + NFC on.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |        |        |        |        |          |       |        |        |      |        |        |      |       |       |      |        |      |     |       |        |      |      |        |  |     |        |        |    |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |  |  |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |
| ANT             | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |        |        |        |        |          |       |        |        |      |        |        |      |       |       |      |        |      |     |       |        |      |      |        |  |     |        |        |    |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |  |  |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |
| Pol.            | Horizontal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |        |        |        |        | Vertical |       |        |        |      |        |        |      |       |       |      |        |      |     |       |        |      |      |        |  |     |        |        |    |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |  |  |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |
| Peak<br><br>Avg |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |        |        |        |        |          |       |        |        |      |        |        |      |       |       |      |        |      |     |       |        |      |      |        |  |     |        |        |    |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |  |  |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |
|                 | <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Margin</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>38.73</td><td>24.31</td><td>40.00</td><td>-15.69</td><td>39.43</td><td>19.16</td><td>0.62</td><td>34.90</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>142.52</td><td>26.81</td><td>43.50</td><td>-16.69</td><td>41.93</td><td>18.35</td><td>1.25</td><td>34.72</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>3</td><td>287.05</td><td>27.91</td><td>46.00</td><td>-18.09</td><td>42.06</td><td>18.72</td><td>1.76</td><td>34.63</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>4</td><td>353.98</td><td>29.69</td><td>46.00</td><td>-16.31</td><td>42.02</td><td>20.31</td><td>1.95</td><td>34.59</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>5</td><td>625.50</td><td>38.03</td><td></td><td></td><td>43.75</td><td>26.17</td><td>2.66</td><td>34.55</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>6</td><td>671.50</td><td>39.23</td><td></td><td></td><td>44.32</td><td>26.62</td><td>2.75</td><td>34.46</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>7</td><td>859.35</td><td>28.78</td><td>46.00</td><td>-17.22</td><td>31.20</td><td>28.77</td><td>3.11</td><td>34.30</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>8</td><td>970.90</td><td>28.79</td><td>54.00</td><td>-25.21</td><td>29.87</td><td>29.88</td><td>3.30</td><td>34.26</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr></table> |        |        |        |        |        |          |       |        |        |      |        |        | Freq | Level | Limit | Line | Margin | Read | Ant | Cable | Preamp | APos | TPos | Remark |  | MHz | dBuV/m | dBuV/m | dB | dB | dBuV | dB/m | dB | dB | cm | deg |  | 1 | 38.73 | 24.31 | 40.00 | -15.69 | 39.43 | 19.16 | 0.62 | 34.90 | -- | -- | -- | Peak | 2 | 142.52 | 26.81 | 43.50 | -16.69 | 41.93 | 18.35 | 1.25 | 34.72 | -- | -- | -- | Peak | 3 | 287.05 | 27.91 | 46.00 | -18.09 | 42.06 | 18.72 | 1.76 | 34.63 | -- | -- | -- | Peak | 4 | 353.98 | 29.69 | 46.00 | -16.31 | 42.02 | 20.31 | 1.95 | 34.59 | -- | -- | -- | Peak | 5 | 625.50 | 38.03 |       |        | 43.75 | 26.17 | 2.66 | 34.55 | -- | -- | -- | Peak | 6 | 671.50 | 39.23 |  |  | 44.32 | 26.62 | 2.75 | 34.46 | -- | -- | -- | Peak | 7 | 859.35 | 28.78 | 46.00 | -17.22 | 31.20 | 28.77 | 3.11 | 34.30 | -- | -- | -- | Peak | 8 | 970.90 | 28.79 | 54.00 | -25.21 | 29.87 | 29.88 | 3.30 | 34.26 | -- | -- | -- | Peak |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Freq   | Level  | Limit  | Line   | Margin | Read     | Ant   | Cable  | Preamp | APos | TPos   | Remark |      |       |       |      |        |      |     |       |        |      |      |        |  |     |        |        |    |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |  |  |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |
|                 | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | dBuV/m | dBuV/m | dB     | dB     | dBuV   | dB/m     | dB    | dB     | cm     | deg  |        |        |      |       |       |      |        |      |     |       |        |      |      |        |  |     |        |        |    |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |  |  |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |
| 1               | 38.73                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 24.31  | 40.00  | -15.69 | 39.43  | 19.16  | 0.62     | 34.90 | --     | --     | --   | Peak   |        |      |       |       |      |        |      |     |       |        |      |      |        |  |     |        |        |    |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |  |  |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |
| 2               | 142.52                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 26.81  | 43.50  | -16.69 | 41.93  | 18.35  | 1.25     | 34.72 | --     | --     | --   | Peak   |        |      |       |       |      |        |      |     |       |        |      |      |        |  |     |        |        |    |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |  |  |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |
| 3               | 287.05                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 27.91  | 46.00  | -18.09 | 42.06  | 18.72  | 1.76     | 34.63 | --     | --     | --   | Peak   |        |      |       |       |      |        |      |     |       |        |      |      |        |  |     |        |        |    |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |  |  |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |
| 4               | 353.98                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 29.69  | 46.00  | -16.31 | 42.02  | 20.31  | 1.95     | 34.59 | --     | --     | --   | Peak   |        |      |       |       |      |        |      |     |       |        |      |      |        |  |     |        |        |    |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |  |  |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |
| 5               | 625.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 38.03  |        |        | 43.75  | 26.17  | 2.66     | 34.55 | --     | --     | --   | Peak   |        |      |       |       |      |        |      |     |       |        |      |      |        |  |     |        |        |    |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |  |  |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |
| 6               | 671.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 39.23  |        |        | 44.32  | 26.62  | 2.75     | 34.46 | --     | --     | --   | Peak   |        |      |       |       |      |        |      |     |       |        |      |      |        |  |     |        |        |    |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |  |  |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |
| 7               | 859.35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 28.78  | 46.00  | -17.22 | 31.20  | 28.77  | 3.11     | 34.30 | --     | --     | --   | Peak   |        |      |       |       |      |        |      |     |       |        |      |      |        |  |     |        |        |    |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |  |  |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |
| 8               | 970.90                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 28.79  | 54.00  | -25.21 | 29.87  | 29.88  | 3.30     | 34.26 | --     | --     | --   | Peak   |        |      |       |       |      |        |      |     |       |        |      |      |        |  |     |        |        |    |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |  |  |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |        |        |        |        |          |       |        |        |      |        |        |      |       |       |      |        |      |     |       |        |      |      |        |  |     |        |        |    |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |  |  |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |
|                 | <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Margin</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>34.85</td><td>26.73</td><td>40.00</td><td>-13.27</td><td>42.37</td><td>18.68</td><td>0.58</td><td>34.90</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>109.54</td><td>26.35</td><td>43.50</td><td>-17.15</td><td>44.34</td><td>15.68</td><td>1.11</td><td>34.78</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>3</td><td>141.55</td><td>29.03</td><td>43.50</td><td>-14.47</td><td>44.23</td><td>18.27</td><td>1.25</td><td>34.72</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>4</td><td>198.78</td><td>25.84</td><td>43.50</td><td>-17.66</td><td>43.01</td><td>16.05</td><td>1.48</td><td>34.70</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>5</td><td>270.56</td><td>24.31</td><td>46.00</td><td>-21.69</td><td>39.05</td><td>18.21</td><td>1.71</td><td>34.66</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>6</td><td>625.50</td><td>37.44</td><td></td><td></td><td>43.16</td><td>26.17</td><td>2.66</td><td>34.55</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>7</td><td>671.50</td><td>38.82</td><td></td><td></td><td>43.91</td><td>26.62</td><td>2.75</td><td>34.46</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>8</td><td>948.59</td><td>30.69</td><td>46.00</td><td>-15.31</td><td>31.99</td><td>29.74</td><td>3.26</td><td>34.30</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr></table> |        |        |        |        |        |          |       |        |        |      |        |        | Freq | Level | Limit | Line | Margin | Read | Ant | Cable | Preamp | APos | TPos | Remark |  | MHz | dBuV/m | dBuV/m | dB | dB | dBuV | dB/m | dB | dB | cm | deg |  | 1 | 34.85 | 26.73 | 40.00 | -13.27 | 42.37 | 18.68 | 0.58 | 34.90 | -- | -- | -- | Peak | 2 | 109.54 | 26.35 | 43.50 | -17.15 | 44.34 | 15.68 | 1.11 | 34.78 | -- | -- | -- | Peak | 3 | 141.55 | 29.03 | 43.50 | -14.47 | 44.23 | 18.27 | 1.25 | 34.72 | -- | -- | -- | Peak | 4 | 198.78 | 25.84 | 43.50 | -17.66 | 43.01 | 16.05 | 1.48 | 34.70 | -- | -- | -- | Peak | 5 | 270.56 | 24.31 | 46.00 | -21.69 | 39.05 | 18.21 | 1.71 | 34.66 | -- | -- | -- | Peak | 6 | 625.50 | 37.44 |  |  | 43.16 | 26.17 | 2.66 | 34.55 | -- | -- | -- | Peak | 7 | 671.50 | 38.82 |       |        | 43.91 | 26.62 | 2.75 | 34.46 | -- | -- | -- | Peak | 8 | 948.59 | 30.69 | 46.00 | -15.31 | 31.99 | 29.74 | 3.26 | 34.30 | -- | -- | -- | Peak |
|                 | Freq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Level  | Limit  | Line   | Margin | Read   | Ant      | Cable | Preamp | APos   | TPos | Remark |        |      |       |       |      |        |      |     |       |        |      |      |        |  |     |        |        |    |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |  |  |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |
|                 | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | dBuV/m | dBuV/m | dB     | dB     | dBuV   | dB/m     | dB    | dB     | cm     | deg  |        |        |      |       |       |      |        |      |     |       |        |      |      |        |  |     |        |        |    |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |  |  |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |
| 1               | 34.85                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 26.73  | 40.00  | -13.27 | 42.37  | 18.68  | 0.58     | 34.90 | --     | --     | --   | Peak   |        |      |       |       |      |        |      |     |       |        |      |      |        |  |     |        |        |    |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |  |  |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |
| 2               | 109.54                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 26.35  | 43.50  | -17.15 | 44.34  | 15.68  | 1.11     | 34.78 | --     | --     | --   | Peak   |        |      |       |       |      |        |      |     |       |        |      |      |        |  |     |        |        |    |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |  |  |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |
| 3               | 141.55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 29.03  | 43.50  | -14.47 | 44.23  | 18.27  | 1.25     | 34.72 | --     | --     | --   | Peak   |        |      |       |       |      |        |      |     |       |        |      |      |        |  |     |        |        |    |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |  |  |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |
| 4               | 198.78                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 25.84  | 43.50  | -17.66 | 43.01  | 16.05  | 1.48     | 34.70 | --     | --     | --   | Peak   |        |      |       |       |      |        |      |     |       |        |      |      |        |  |     |        |        |    |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |  |  |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |
| 5               | 270.56                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 24.31  | 46.00  | -21.69 | 39.05  | 18.21  | 1.71     | 34.66 | --     | --     | --   | Peak   |        |      |       |       |      |        |      |     |       |        |      |      |        |  |     |        |        |    |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |  |  |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |
| 6               | 625.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 37.44  |        |        | 43.16  | 26.17  | 2.66     | 34.55 | --     | --     | --   | Peak   |        |      |       |       |      |        |      |     |       |        |      |      |        |  |     |        |        |    |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |  |  |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |
| 7               | 671.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 38.82  |        |        | 43.91  | 26.62  | 2.75     | 34.46 | --     | --     | --   | Peak   |        |      |       |       |      |        |      |     |       |        |      |      |        |  |     |        |        |    |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |  |  |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |
| 8               | 948.59                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 30.69  | 46.00  | -15.31 | 31.99  | 29.74  | 3.26     | 34.30 | --     | --     | --   | Peak   |        |      |       |       |      |        |      |     |       |        |      |      |        |  |     |        |        |    |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |  |  |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |   |        |       |       |        |       |       |      |       |    |    |    |      |

Remark: 625.5MHz & 671.5MHz are WWAN fundamental frequency signals and can be ignored



## **Appendix C. Reference Report**



# FCC RF Test Report

APPLICANT : Motorola Mobility LLC  
EQUIPMENT : Mobile Cellular Phone  
BRAND NAME : Motorola  
MODEL NAME : XT2527-1  
FCC ID : IHDT56AV5  
STANDARD : 47 CFR Part 27(F), 27(H), 27(M)  
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)  
TEST DATE(S) : Mar. 19, 2025 ~ Apr. 10, 2025

We, Sporton International Inc. (Kunshan), would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown compliance with the applicable technical standards.

This report contains data that were produced under subcontract by Sporton International Inc. (Shenzhen)

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (Kunshan), the test report shall not be reproduced except in full.

Jason Jia

Approved by: Jason Jia



**Sporton International Inc. (Kunshan)**

**No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300  
People's Republic of China**



## TABLE OF CONTENTS

|                                                              |    |
|--------------------------------------------------------------|----|
| REVISION HISTORY .....                                       | 3  |
| SUMMARY OF TEST RESULT .....                                 | 4  |
| 1 GENERAL DESCRIPTION .....                                  | 5  |
| 1.1 Applicant .....                                          | 5  |
| 1.2 Manufacturer .....                                       | 5  |
| 1.3 Product Feature of Equipment Under Test .....            | 5  |
| 1.4 Product Specification of Equipment Under Test .....      | 5  |
| 1.5 Modification of EUT .....                                | 6  |
| 1.6 Maximum ERP/EIRP and Emission Designator .....           | 7  |
| 1.7 Testing Location .....                                   | 9  |
| 1.8 Test Software .....                                      | 9  |
| 1.9 Applicable Standards .....                               | 10 |
| 1.10 Specification of Accessory .....                        | 10 |
| 2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST .....           | 11 |
| 2.1 Test Mode .....                                          | 11 |
| 2.2 Connection Diagram of Test System .....                  | 13 |
| 2.3 Support Unit used in test configuration and system ..... | 13 |
| 2.4 Measurement Results Explanation Example .....            | 13 |
| 2.5 Frequency List of Low/Middle/High Channels .....         | 14 |
| 3 CONDUCTED TEST ITEMS .....                                 | 17 |
| 3.1 Measuring Instruments .....                              | 17 |
| 3.2 Test Setup .....                                         | 17 |
| 3.3 Test Result of Conducted Test .....                      | 17 |
| 3.4 Conducted Output Power and ERP/EIRP .....                | 18 |
| 3.5 Peak-to-Average Ratio .....                              | 20 |
| 3.6 Occupied Bandwidth .....                                 | 21 |
| 3.7 Conducted Band Edge .....                                | 22 |
| 3.8 Conducted Spurious Emission .....                        | 24 |
| 3.9 Frequency Stability .....                                | 25 |
| 4 RADIATED TEST ITEMS .....                                  | 26 |
| 4.1 Measuring Instruments .....                              | 26 |
| 4.2 Test Setup .....                                         | 26 |
| 4.3 Test Result of Radiated Test .....                       | 27 |
| 4.4 Radiated Spurious Emission .....                         | 28 |
| 5 LIST OF MEASURING EQUIPMENT .....                          | 29 |
| 6 MEASUREMENT UNCERTAINTY .....                              | 30 |
| APPENDIX A. TEST RESULTS OF CONDUCTED TEST                   |    |
| APPENDIX B. TEST RESULTS OF RADIATED TEST                    |    |
| APPENDIX C. TEST SETUP PHOTOGRAPHS                           |    |



## REVISION HISTORY

| REPORT NO. | VERSION | DESCRIPTION             | ISSUED DATE   |
|------------|---------|-------------------------|---------------|
| FG530724C  | Rev. 01 | Initial issue of report | Apr. 21, 2025 |
|            |         |                         |               |
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## SUMMARY OF TEST RESULT

| Report Section | FCC Rule                                          | Description                                                         | Limit                               | Result      | Remark                                    |
|----------------|---------------------------------------------------|---------------------------------------------------------------------|-------------------------------------|-------------|-------------------------------------------|
| 3.4            | §2.1046                                           | Conducted Output Power                                              | -                                   | Report Only | -                                         |
|                | §27.50(b)(10)<br>§27.50(c)(10)                    | Effective Radiated Power<br>(Band 12) (Band 13) (Band 17)           | ERP < 3 Watt                        | PASS        | -                                         |
|                | §27.50(h)(2)                                      | Equivalent Isotropic Radiated Power<br>(Band 7) (Band 38) (Band 41) | EIRP < 2Watt                        |             | -                                         |
| 3.5            | N/A                                               | Peak-to-Average Ratio                                               | <13 dB                              | PASS        | -                                         |
| 3.6            | §2.1049                                           | Occupied Bandwidth                                                  | -                                   | Report Only | -                                         |
| 3.7            | §2.1051<br>§27.53(c)(2)(4)<br>§27.53(g)           | Conducted Band Edge Measurement<br>(Band 12) (Band 13) (Band 17)    | < 43+10log <sub>10</sub> (P[Watts]) | PASS        | -                                         |
|                | §27.53(m)(4)                                      | Conducted Band Edge Measurement<br>(Band 7) (Band 38) (Band 41)     | §27.53(m)(4)                        |             |                                           |
| 3.8            | §2.1051<br>§27.53(c)(2)<br>§27.53(g)              | Conducted Spurious Emission<br>(Band 12) (Band 13) (Band 17)        | < 43+10log <sub>10</sub> (P[Watts]) | PASS        | -                                         |
|                | §2.1051<br>§27.53(m)(4)                           | Conducted Spurious Emission<br>(Band 7) (Band 38) (Band 41)         | < 55+10log <sub>10</sub> (P[Watts]) |             |                                           |
| 3.9            | §2.1055<br>§27.54                                 | Frequency Stability<br>Temperature & Voltage                        | Within Authorized Band              | PASS        | -                                         |
| 4.4            | §2.1053<br>§27.53(c)(2)<br>§27.53(f)<br>§27.53(g) | Radiated Spurious Emission<br>(Band 12) (Band 13) (Band 17)         | < 43+10log <sub>10</sub> (P[Watts]) | PASS        | Under limit<br>11.99 dB at<br>1559.50 MHz |
|                | §2.1053<br>§27.53(m)(4)                           | Radiated Spurious Emission<br>(Band 7) (Band 38) (Band 41)          | < 55+10log <sub>10</sub> (P[Watts]) |             |                                           |

**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/manufacturer 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.



# 1 General Description

## 1.1 Applicant

Motorola Mobility LLC

222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

## 1.2 Manufacturer

Motorola Mobility LLC

222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

## 1.3 Product Feature of Equipment Under Test

| Product Feature |                                                                                          |
|-----------------|------------------------------------------------------------------------------------------|
| Equipment       | Mobile Cellular Phone                                                                    |
| Brand Name      | Motorola                                                                                 |
| Model Name      | XT2527-1                                                                                 |
| FCC ID          | IHDT56AV5                                                                                |
| IMEI Code       | Conducted: 358887330041698/358887330041706<br>Radiation: 358887330039734/358887330039742 |
| HW Version      | DVT2                                                                                     |
| SW Version      | V2VN35.50                                                                                |
| EUT Stage       | Identical Prototype                                                                      |

**Remark:** The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

## 1.4 Product Specification of Equipment Under Test

| Standards-related Product Specification |                                                                                                                                                                                                                     |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tx Frequency                            | LTE Band 7 : 2500 MHz ~ 2570 MHz<br>LTE Band 12 : 699 MHz ~ 716 MHz<br>LTE Band 13 : 777 MHz ~ 787 MHz<br>LTE Band 17 : 704 MHz ~ 716 MHz<br>LTE Band 38 : 2570 MHz ~ 2620 MHz<br>LTE Band 41 : 2496 MHz ~ 2690 MHz |
| Rx Frequency                            | LTE Band 7 : 2620 MHz ~ 2690 MHz<br>LTE Band 12 : 729 MHz ~ 746 MHz<br>LTE Band 13 : 746 MHz ~ 756 MHz<br>LTE Band 17 : 734 MHz ~ 746 MHz<br>LTE Band 38 : 2570 MHz ~ 2620 MHz<br>LTE Band 41 : 2496 MHz ~ 2690 MHz |
| Bandwidth                               | LTE Band 7 : 5MHz / 10MHz / 15MHz / 20MHz<br>LTE Band 12 : 1.4MHz / 3MHz / 5MHz / 10MHz<br>LTE Band 13 : 5MHz / 10MHz<br>LTE Band 17 : 5MHz / 10MHz<br>LTE Band 38 : 5MHz / 10MHz / 15MHz / 20MHz                   |

|                                        |                                                                                                                                                                                                                                                                                                      |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                        | LTE Band 41 : 5MHz / 10MHz / 15MHz / 20MHz                                                                                                                                                                                                                                                           |
| <b>Maximum Output Power to Antenna</b> | <ANT0><br>LTE Band 12 : 22.61 dBm<br>LTE Band 13 : 22.86 dBm<br>LTE Band 17 : 22.53 dBm<br><ANT1><br>LTE Band 7 : 22.84 dBm<br>LTE CA_7C : 22.77 dBm<br>LTE Band 38 : 23.03 dBm<br>LTE Band 41 : 23.05 dBm<br><ANT4><br>LTE Band 7 : 22.73 dBm<br>LTE Band 38 : 22.96 dBm<br>LTE Band 41 : 22.99 dBm |
| <b>Antenna Gain</b>                    | <ANT0><br>LTE Band 12 : -5.0 dBi<br>LTE Band 13 : -5.6 dBi<br>LTE Band 17 : -5.0 dBi<br><ANT1><br>LTE Band 7 : -2.3 dBi<br>LTE Band 38 : -2.3 dBi<br>LTE Band 41 : -2.3 dBi<br><ANT4><br>LTE Band 7 : -2.1 dBi<br>LTE Band 38 : -2.1 dBi<br>LTE Band 41 : -2.1 dBi                                   |
| <b>Type of Modulation</b>              | QPSK / 16QAM / 64QAM / 256QAM                                                                                                                                                                                                                                                                        |

Note:

1. The maximum ERP/EIRP is calculated from max output power and max antenna gain, so only the maximum ERP/EIRP of Antenna 0 for LTE Band12/13/17 and Antenna 4 for LTE Band7/38/41 and Antenna 1 for LTE Band7C are shown in the report.
2. The device supports two PAs for LTE Band 7/38/41, (main PA, and other PA only support NSA mode), both the PAs are full tested, only the worst EIRP are shown in the report. According to the maximum power, LTE B41 covers B38 for other PA.

## 1.5 Modification of EUT

No modifications are made to the EUT during all test items.



## 1.6 Maximum ERP/EIRP and Emission Designator

| LTE Band 7  |                       | QPSK            |                              | 16QAM/64QAM/256QAM |                              |
|-------------|-----------------------|-----------------|------------------------------|--------------------|------------------------------|
| BW (MHz)    | Frequency Range (MHz) | Maximum EIRP(W) | Emission Designator (99%OBW) | Maximum EIRP(W)    | Emission Designator (99%OBW) |
| 5           | 2502.5 ~ 2567.5       | 0.1153          | 4M51G7D                      | 0.0906             | 4M49W7D                      |
| 10          | 2505.0 ~ 2565.0       | 0.1135          | 9M05G7D                      | 0.0910             | 9M07W7D                      |
| 15          | 2507.5 ~ 2562.5       | 0.1138          | 13M5G7D                      | 0.0910             | 13M5W7D                      |
| 20          | 2510.0 ~ 2560.0       | 0.1156          | 17M9G7D                      | 0.0940             | 17M9W7D                      |
| LTE Band 12 |                       | QPSK            |                              | 16QAM/64QAM/256QAM |                              |
| BW (MHz)    | Frequency Range (MHz) | Maximum ERP(W)  | Emission Designator (99%OBW) | Maximum ERP(W)     | Emission Designator (99%OBW) |
| 1.4         | 699.7 ~ 715.3         | 0.0341          | 1M09G7D                      | 0.0305             | 1M09W7D                      |
| 3           | 700.5 ~ 714.5         | 0.0348          | 2M72G7D                      | 0.0301             | 2M71W7D                      |
| 5           | 701.5 ~ 713.5         | 0.0348          | 4M49G7D                      | 0.0305             | 4M49W7D                      |
| 10          | 704.0 ~ 711.0         | 0.0352          | 9M01G7D                      | 0.0307             | 9M01W7D                      |
| LTE Band 13 |                       | QPSK            |                              | 16QAM/64QAM/256QAM |                              |
| BW (MHz)    | Frequency Range (MHz) | Maximum ERP(W)  | Emission Designator (99%OBW) | Maximum ERP(W)     | Emission Designator (99%OBW) |
| 5           | 779.5 ~ 784.5         | 0.0313          | 4M49G7D                      | 0.0272             | 4M49W7D                      |
| 10          | 782.0                 | 0.0324          | 9M07G7D                      | 0.0280             | 9M03W7D                      |
| LTE Band 17 |                       | QPSK            |                              | 16QAM/64QAM/256QAM |                              |
| BW (MHz)    | Frequency Range (MHz) | Maximum ERP(W)  | Emission Designator (99%OBW) | Maximum ERP(W)     | Emission Designator (99%OBW) |
| 5           | 706.5 ~ 713.5         | 0.0338          | 4M49G7D                      | 0.0277             | 4M49W7D                      |
| 10          | 709.0 ~ 711.0         | 0.0345          | 9M01G7D                      | 0.0282             | 9M01W7D                      |



| LTE Band 38   |                       | QPSK            |                              | 16QAM/64QAM/256QAM |                              |
|---------------|-----------------------|-----------------|------------------------------|--------------------|------------------------------|
| BW (MHz)      | Frequency Range (MHz) | Maximum EIRP(W) | Emission Designator (99%OBW) | Maximum EIRP(W)    | Emission Designator (99%OBW) |
| 5             | 2572.5 ~ 2617.5       | 0.1191          | 4M50G7D                      | 0.0951             | 4M50W7D                      |
| 10            | 2575.0 ~ 2615.0       | 0.1211          | 9M05G7D                      | 0.0940             | 9M03W7D                      |
| 15            | 2577.5 ~ 2612.5       | 0.1202          | 13M5G7D                      | 0.0940             | 13M5W7D                      |
| 20            | 2580.0 ~ 2610.0       | 0.1219          | 17M9G7D                      | 0.0964             | 17M9W7D                      |
| LTE Band 41   |                       | QPSK            |                              | 16QAM/64QAM/256QAM |                              |
| BW (MHz)      | Frequency Range (MHz) | Maximum EIRP(W) | Emission Designator (99%OBW) | Maximum EIRP(W)    | Emission Designator (99%OBW) |
| 5             | 2498.5 ~ 2687.5       | 0.1197          | 4M50G7D                      | 0.0953             | 4M50W7D                      |
| 10            | 2501.0 ~ 2685.0       | 0.1199          | 9M05G7D                      | 0.0940             | 9M03W7D                      |
| 15            | 2503.5 ~ 2682.5       | 0.1194          | 13M5G7D                      | 0.0957             | 13M5W7D                      |
| 20            | 2506.0 ~ 2680.0       | 0.1227          | 17M9G7D                      | 0.0955             | 17M9W7D                      |
| LTE Band 7 CA |                       | QPSK            |                              | 16QAM/64QAM/256QAM |                              |
| BW (MHz)      |                       | Maximum EIRP(W) | Emission Designator (99%OBW) | Maximum EIRP(W)    | Emission Designator (99%OBW) |
| 10MHz+20MHz   |                       | 0.1062          | 28M1G7D                      | 0.0904             | 28M2W7D                      |
| 15MHz+15MHz   |                       | 0.1059          | 28M8G7D                      | 0.0918             | 28M8W7D                      |
| 15MHz+20MHz   |                       | 0.1050          | 33M0G7D                      | 0.0914             | 33M1W7D                      |
| 15MHz+10MHz   |                       | 0.1059          | 23M6G7D                      | 0.0914             | 23M6W7D                      |
| 20MHz+10MHz   |                       | 0.1079          | 28M3G7D                      | 0.0910             | 28M0W7D                      |
| 20MHz+15MHz   |                       | 0.1067          | 32M8G7D                      | 0.0897             | 32M3W7D                      |
| 20MHz+20MHz   |                       | 0.1114          | 37M7G7D                      | 0.0957             | 37M8W7D                      |

**Note:**

1. LTE Band 12 overlaps the entire frequency range of LTE Band 17. Therefore, the test results provided in this report covers Band 12 as well as Band 17.
2. LTE Band 41 overlaps the entire frequency range of LTE Band 38. Therefore, the test results provided in this report covers Band 41 as well as Band 38.
3. All modulations have been tested, and only the worst test results of PSK & QAM are shown in the report.

## 1.7 Testing Location

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

|                           |                                                                                                                                                |                            |                                       |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------|
| <b>Test Firm</b>          | Sporton International Inc. (Kunshan)                                                                                                           |                            |                                       |
| <b>Test Site Location</b> | No. 1098, Pengxi North Road, Kunshan Economic Development Zone<br>Jiangsu Province 215300 People's Republic of China<br>TEL : +86-512-57900158 |                            |                                       |
| <b>Test Site No.</b>      | <b>Sporton Site No.</b>                                                                                                                        | <b>FCC Designation No.</b> | <b>FCC Test Firm Registration No.</b> |
|                           | TH01-KS                                                                                                                                        | CN1257                     | 314309                                |

Sporton International Inc. (ShenZhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

|                           |                                                                                                                                                                                                                 |                            |                                       |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------|
| <b>Test Firm</b>          | Sporton International Inc. (ShenZhen)                                                                                                                                                                           |                            |                                       |
| <b>Test Site Location</b> | 101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province 518103 People's Republic of China<br>TEL: +86-755-86066985 |                            |                                       |
| <b>Test Site No.</b>      | <b>Sporton Site No.</b>                                                                                                                                                                                         | <b>FCC Designation No.</b> | <b>FCC Test Firm Registration No.</b> |
|                           | 03CH02-SZ                                                                                                                                                                                                       | CN1256                     | 421272                                |

Test data subcontracted: Radiated Spurious Emission test case in section 4.4 of this report.

## 1.8 Test Software

| Item | Site      | Manufacture | Name                                | Version      |
|------|-----------|-------------|-------------------------------------|--------------|
| 1.   | TH01-KS   | SPORTON     | FCC LTE_Ver2.0<br>Auto_china_210503 | 2.0          |
| 2.   | 03CH02-SZ | AUDIX       | E3                                  | 6.2009-8-24a |



## 1.9 Applicable Standards

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

- 47 CFR Part 27(F), 27(H), 27(M)
- ANSI C63.26-2015
- FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01

### Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

## 1.10 Specification of Accessory

| Specification of Accessory |            |                    |            |                |
|----------------------------|------------|--------------------|------------|----------------|
| AC Adapter 1(US)           | Brand Name | Motorola(Salcomp)  | Model Name | MC-331L        |
| AC Adapter 1(EU)           | Brand Name | Motorola(Salcomp)  | Model Name | MC-332L        |
| AC Adapter 1(UK)           | Brand Name | Motorola(Salcomp)  | Model Name | MC-333L        |
| AC Adapter 1(AU)           | Brand Name | Motorola(Salcomp)  | Model Name | MC-335L        |
| AC Adapter 1(AR)           | Brand Name | Motorola(Salcomp)  | Model Name | MC-336L        |
| AC Adapter 1(BR)           | Brand Name | Motorola(Salcomp)  | Model Name | MC-337L        |
| AC Adapter 2(US)           | Brand Name | Motorola(Chenyang) | Model Name | MC-331L        |
| AC Adapter 2(EU)           | Brand Name | Motorola(Chenyang) | Model Name | MC-332L        |
| AC Adapter 2(UK)           | Brand Name | Motorola(Chenyang) | Model Name | MC-333L        |
| AC Adapter 2(AR)           | Brand Name | Motorola(Chenyang) | Model Name | MC-336L        |
| AC Adapter 2(BR)           | Brand Name | Motorola(Chenyang) | Model Name | MC-337L        |
| Battery 1                  | Brand Name | Motorola(NVT)      | Model Name | RA52           |
| Battery 2                  | Brand Name | Motorola(SUNWODA)  | Model Name | RA52           |
| USB Cable 1                | Brand Name | Motorola(Washin)   | Model Name | HX-ZN-34       |
| USB Cable 2                | Brand Name | Motorola(Juwei)    | Model Name | JWUB1928-ZN01H |
| Wireless Earphones         | Brand Name | Motorola           | Model Name | XT2443-1       |



## 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.

Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission. (Y/Z Plane)

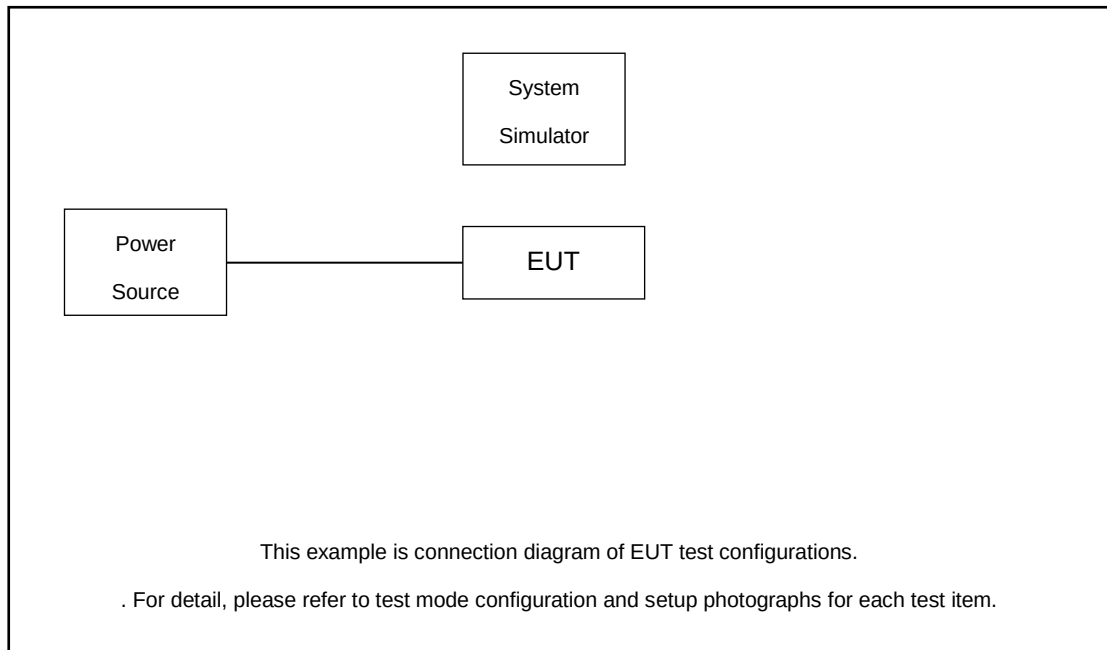
| Test Items                  | Band | Bandwidth (MHz) |   |   |    |    |    | Modulation |        |        |         | RB # |      |      | Test Channel |   |   |
|-----------------------------|------|-----------------|---|---|----|----|----|------------|--------|--------|---------|------|------|------|--------------|---|---|
|                             |      | 1.4             | 3 | 5 | 10 | 15 | 20 | QPSK       | 16 QAM | 64 QAM | 256 QAM | 1    | Half | Full | L            | M | H |
| Max. Output Power           | 7    | -               | - | v | v  | v  | v  | v          | v      | v      | v       | v    | v    | v    | v            | v | v |
|                             | 12   | v               | v | v | v  | -  | -  | v          | v      | v      | v       | v    | v    | v    | v            | v | v |
|                             | 13   | -               | - | v | v  | -  | -  | v          | v      | v      | v       | v    | v    | v    | v            | v | v |
|                             | 17   | -               | - | v | v  | -  | -  | v          | v      | v      | v       | v    | v    | v    | v            | v | v |
|                             | 38   | -               | - | v | v  | v  | v  | v          | v      | v      | v       | v    | v    | v    | v            | v | v |
|                             | 41   | -               | - | v | v  | v  | v  | v          | v      | v      | v       | v    | v    | v    | v            | v | v |
| Peak-to-Average Ratio       | 7    | -               | - |   |    |    | v  | v          |        |        |         |      |      | v    |              | v |   |
|                             | 12   |                 |   |   | v  | -  | -  | v          |        |        |         |      |      | v    |              | v |   |
|                             | 13   | -               | - |   | v  | -  | -  | v          |        |        |         |      |      | v    |              | v |   |
|                             | 41   | -               | - |   |    |    | v  | v          |        |        |         |      |      | v    |              | v |   |
| 26dB and 99% Bandwidth      | 7    | -               | - | v | v  | v  | v  | v          | v      |        |         |      |      | v    |              | v |   |
|                             | 12   | v               | v | v | v  | -  | -  | v          | v      |        |         |      |      | v    |              | v |   |
|                             | 13   | -               | - | v | v  | -  | -  | v          | v      |        |         |      |      | v    |              | v |   |
|                             | 41   | -               | - | v | v  | v  | v  | v          | v      |        |         |      |      | v    |              | v |   |
| Conducted Band Edge         | 7    | -               | - | v | v  | v  | v  | v          | v      | v      | v       | v    |      | v    | v            |   | v |
|                             | 12   | v               | v | v | v  | -  | -  | v          | v      | v      | v       | v    |      | v    | v            |   | v |
|                             | 13   | -               | - | v | v  | -  | -  | v          | v      | v      | v       | v    |      | v    | v            |   | v |
|                             | 41   | -               | - | v | v  | v  | v  | v          | v      | v      | v       | v    |      | v    | v            |   | v |
| Conducted Spurious Emission | 7    | -               | - | v | v  | v  | v  | v          |        |        |         | v    |      |      | v            | v | v |
|                             | 12   | v               | v | v | v  | -  | -  | v          |        |        |         | v    |      |      | v            | v | v |
|                             | 13   | -               | - | v | v  | -  | -  | v          |        |        |         | v    |      |      | v            | v | v |
|                             | 41   | -               | - | v | v  | v  | v  | v          |        |        |         | v    |      |      | v            | v | v |
| Frequency Stability         | 7    | -               | - |   | v  |    |    | v          |        |        |         |      |      | v    |              | v |   |
|                             | 12   |                 |   |   | v  | -  | -  | v          |        |        |         |      |      | v    |              | v |   |
|                             | 13   | -               | - |   | v  | -  | -  | v          |        |        |         |      |      | v    |              | v |   |
|                             | 41   | -               | - |   | v  |    |    | v          |        |        |         |      |      | v    |              | v |   |



|                            |                                                                                                                                                                                                                                                                                                                                                                                     |            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E.R.P / E.I.R.P            | 7                                                                                                                                                                                                                                                                                                                                                                                   | -          | - | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
|                            | 12                                                                                                                                                                                                                                                                                                                                                                                  | v          | v | v | v | - | - | v | v | v | v | v | v | v | v | v | v |
|                            | 13                                                                                                                                                                                                                                                                                                                                                                                  | -          | - | v | v | - | - | v | v | v | v | v | v | v | v | v | v |
|                            | 17                                                                                                                                                                                                                                                                                                                                                                                  | -          | - | v | v | - | - | v | v | v | v | v | v | v | v | v | v |
|                            | 38                                                                                                                                                                                                                                                                                                                                                                                  | -          | - | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
|                            | 41                                                                                                                                                                                                                                                                                                                                                                                  | -          | - | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| Radiated Spurious Emission | 7                                                                                                                                                                                                                                                                                                                                                                                   | Worst Case |   |   |   |   |   |   |   |   |   |   |   |   |   | v |   |
|                            | 12                                                                                                                                                                                                                                                                                                                                                                                  | Worst Case |   |   |   |   |   |   |   |   |   |   |   |   |   | v |   |
|                            | 13                                                                                                                                                                                                                                                                                                                                                                                  | Worst Case |   |   |   |   |   |   |   |   |   |   |   |   |   | v |   |
|                            | 41                                                                                                                                                                                                                                                                                                                                                                                  | Worst Case |   |   |   |   |   |   |   |   |   |   |   |   |   | v |   |
| Note                       | 1. The mark “v ” means that this configuration is chosen for testing<br>2. The mark “-” means that this bandwidth is not supported.<br>3. 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. |            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

| Test Items                  | Band                                                                                                                                                                                                                                                                                                                                                                                 | Bandwidth (MHz) |       |       |       |       |      |      |       |       |       | Modulation |       |       |        | RB # |      |      | Test Channel |   |   |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------|-------|-------|-------|------|------|-------|-------|-------|------------|-------|-------|--------|------|------|------|--------------|---|---|
|                             |                                                                                                                                                                                                                                                                                                                                                                                      | 20+20           | 20+15 | 15+20 | 20+10 | 10+20 | 20+5 | 5+20 | 15+15 | 15+10 | 10+15 | QPSK       | 16QAM | 64QAM | 256QAM | 1    | Half | Full | L            | M | H |
| Max. Output Power           | 7C_CA                                                                                                                                                                                                                                                                                                                                                                                | v               | v     | v     | v     | v     | -    | -    | v     | v     | -     | v          | v     | v     | v      | v    |      | v    | v            | v | v |
| 26dB and 99% Bandwidth      | 7C_CA                                                                                                                                                                                                                                                                                                                                                                                | v               | v     | v     | v     | v     | -    | -    | v     | v     | -     | v          | v     |       |        |      |      | v    |              | v |   |
| Conducted Band Edge         | 7C_CA                                                                                                                                                                                                                                                                                                                                                                                | v               | v     | v     | v     | v     | -    | -    | v     | v     | -     | v          | v     | v     | v      | v    |      | v    | v            |   | v |
| Conducted Spurious Emission | 7C_CA                                                                                                                                                                                                                                                                                                                                                                                | v               | v     | v     | v     | v     | -    | -    | v     | v     | -     | v          |       |       |        | v    |      |      | v            | v | v |
| E.I.R.P.                    | 7C_CA                                                                                                                                                                                                                                                                                                                                                                                | v               | v     | v     | v     | v     | -    | -    | v     | v     | -     | v          | v     | v     | v      | v    |      | v    | v            | v | v |
| Radiated Spurious Emission  | 7C_CA                                                                                                                                                                                                                                                                                                                                                                                | Worst Case      |       |       |       |       |      |      |       |       |       |            |       |       |        |      |      |      |              | v |   |
| Note                        | 1. The mark "v " means that this configuration is chosen for testing<br>2. The mark "- " means that this bandwidth is not supported.<br>3. 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        | Trade Name | Model No. | FCC ID | Data Cable | Power Cord        |
|------|------------------|------------|-----------|--------|------------|-------------------|
| 1.   | Power Supply     | GWINSTEK   | PSS-2002  | N/A    | N/A        | Unshielded, 1.8 m |
| 2.   | LTE Base Station | Anritsu    | MT8820C   | N/A    | N/A        | Unshielded, 1.8 m |

## 2.4 Measurement Results Explanation Example

### For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

The spectrum analyzer offset is derived from RF cable loss.

*Offset = RF cable loss.*

Following shows an offset computation example with cable loss 6.0 dB.

Example :

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)}. \\ &= 6.0 \text{ (dB)} \end{aligned}$$

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

| LTE Band 7 Channel and Frequency List |                        |        |        |         |
|---------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                              | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20                                    | Channel                | 20850  | 21100  | 21350   |
|                                       | Frequency              | 2510   | 2535   | 2560    |
| 15                                    | Channel                | 20825  | 21100  | 21375   |
|                                       | Frequency              | 2507.5 | 2535   | 2562.5  |
| 10                                    | Channel                | 20800  | 21100  | 21400   |
|                                       | Frequency              | 2505   | 2535   | 2565    |
| 5                                     | Channel                | 20775  | 21100  | 21425   |
|                                       | Frequency              | 2502.5 | 2535   | 2567.5  |

| LTE Band 12 Channel and Frequency List |                        |        |        |         |
|----------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                               | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 10                                     | Channel                | 23060  | 23095  | 23130   |
|                                        | Frequency              | 704    | 707.5  | 711     |
| 5                                      | Channel                | 23035  | 23095  | 23155   |
|                                        | Frequency              | 701.5  | 707.5  | 713.5   |
| 3                                      | Channel                | 23025  | 23095  | 23165   |
|                                        | Frequency              | 700.5  | 707.5  | 714.5   |
| 1.4                                    | Channel                | 23017  | 23095  | 23173   |
|                                        | Frequency              | 699.7  | 707.5  | 715.3   |

| LTE Band 13 Channel and Frequency List |                        |        |        |         |
|----------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                               | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 10                                     | Channel                | -      | 23230  | -       |
|                                        | Frequency              | -      | 782    | -       |
| 5                                      | Channel                | 23205  | 23230  | 23255   |
|                                        | Frequency              | 779.5  | 782    | 784.5   |



| LTE Band 17 Channel and Frequency List |                        |        |        |         |
|----------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                               | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 10                                     | Channel                | 23780  | 23790  | 23800   |
|                                        | Frequency              | 709    | 710    | 711     |
| 5                                      | Channel                | 23755  | 23790  | 23825   |
|                                        | Frequency              | 706.5  | 710    | 713.5   |

| LTE Band 38 Channel and Frequency List |                        |        |        |         |
|----------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                               | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20                                     | Channel                | 37850  | 38000  | 38150   |
|                                        | Frequency              | 2580   | 2595   | 2610    |
| 15                                     | Channel                | 37825  | 38000  | 38175   |
|                                        | Frequency              | 2577.5 | 2595   | 2612.5  |
| 10                                     | Channel                | 37800  | 38000  | 38200   |
|                                        | Frequency              | 2575   | 2595   | 2615    |
| 5                                      | Channel                | 37775  | 38000  | 38225   |
|                                        | Frequency              | 2572.5 | 2595   | 2617.5  |

| LTE Band 41 Channel and Frequency List |                        |        |        |         |
|----------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                               | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20                                     | Channel                | 39750  | 40620  | 41490   |
|                                        | Frequency              | 2506   | 2593   | 2680    |
| 15                                     | Channel                | 39725  | 40620  | 41515   |
|                                        | Frequency              | 2503.5 | 2593   | 2682.5  |
| 10                                     | Channel                | 39700  | 40620  | 41540   |
|                                        | Frequency              | 2501   | 2593   | 2685    |
| 5                                      | Channel                | 39675  | 40620  | 41565   |
|                                        | Frequency              | 2498.5 | 2593   | 2687.5  |



| LTE Band 7C_CA Channel and Frequency List |                        |           |        |        |         |
|-------------------------------------------|------------------------|-----------|--------|--------|---------|
| BW [MHz]                                  | Channel/Frequency(MHz) |           | Lowest | Middle | Highest |
| 20 + 20                                   | PCC                    | Channel   | 20850  | 21001  | 21152   |
|                                           |                        | Frequency | 2510.0 | 2525.1 | 2540.2  |
|                                           | SCC                    | Channel   | 21048  | 21199  | 21350   |
|                                           |                        | Frequency | 2529.8 | 2544.9 | 2560.0  |
| 20 + 15                                   | PCC                    | Channel   | 20850  | 21026  | 21201   |
|                                           |                        | Frequency | 2510.0 | 2527.6 | 2545.1  |
|                                           | SCC                    | Channel   | 21021  | 21197  | 21372   |
|                                           |                        | Frequency | 2527.1 | 2544.7 | 2562.2  |
| 15 + 20                                   | PCC                    | Channel   | 20828  | 21003  | 21179   |
|                                           |                        | Frequency | 2507.8 | 2525.3 | 2542.9  |
|                                           | SCC                    | Channel   | 20999  | 21174  | 21350   |
|                                           |                        | Frequency | 2524.9 | 2542.4 | 2560.0  |
| 20 + 10                                   | PCC                    | Channel   | 20850  | 21051  | 21251   |
|                                           |                        | Frequency | 2510.0 | 2530.1 | 2550.1  |
|                                           | SCC                    | Channel   | 20994  | 21195  | 21395   |
|                                           |                        | Frequency | 2524.4 | 2544.5 | 2564.5  |
| 10 + 20                                   | PCC                    | Channel   | 20805  | 21006  | 21206   |
|                                           |                        | Frequency | 2505.5 | 2525.6 | 2545.6  |
|                                           | SCC                    | Channel   | 20949  | 21150  | 21350   |
|                                           |                        | Frequency | 2519.9 | 2540.0 | 2560.0  |
| 15 + 15                                   | PCC                    | Channel   | 20825  | 21025  | 21225   |
|                                           |                        | Frequency | 2507.5 | 2527.5 | 2547.5  |
|                                           | SCC                    | Channel   | 20975  | 21175  | 21375   |
|                                           |                        | Frequency | 2522.5 | 2542.5 | 2562.5  |
| 15 + 10                                   | PCC                    | Channel   | 20825  | 21051  | 21277   |
|                                           |                        | Frequency | 2507.5 | 2530.1 | 2552.7  |
|                                           | SCC                    | Channel   | 20945  | 21171  | 21397   |
|                                           |                        | Frequency | 2519.5 | 2542.1 | 2564.7  |

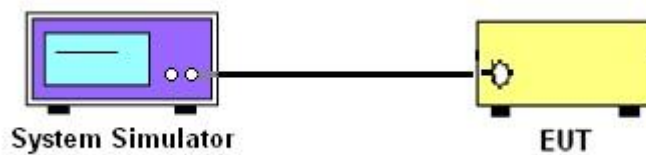
### 3 Conducted Test Items

#### 3.1 Measuring Instruments

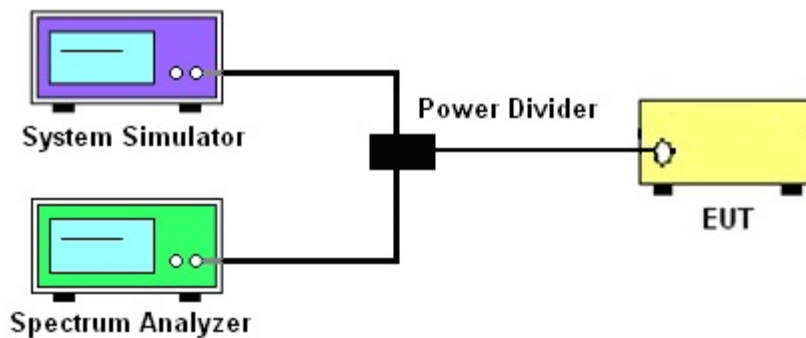
See list of measuring instruments of this test report.

#### 3.2 Test Setup

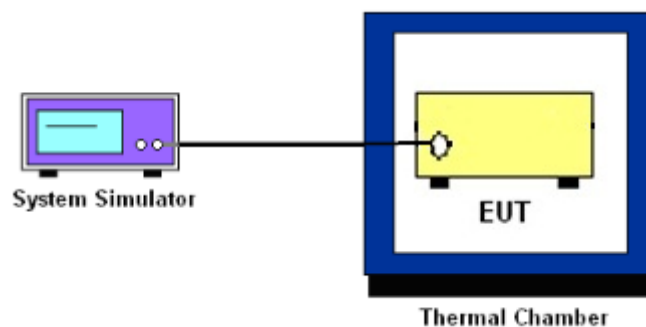
##### 3.2.1 Conducted Output Power



##### 3.2.2 Peak-to-Average Ratio, Occupied Bandwidth ,Conducted Band-Edge and Conducted Spurious Emission



##### 3.2.3 Frequency Stability



### 3.3 Test Result of Conducted Test

Please refer to Appendix A.

### 3.4 Conducted Output Power and ERP/EIRP

#### 3.4.1 Description of the Conducted Output Power Measurement and ERP/EIRP Measurement

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

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 12, Band 13 and Band 17.

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 7 and Band 38 and Band 41.

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$ ,  $ERP = EIRP - 2.15$ , where

$P_T$  = transmitter output power in dBm

$G_T$  = gain of the transmitting antenna in dBi

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

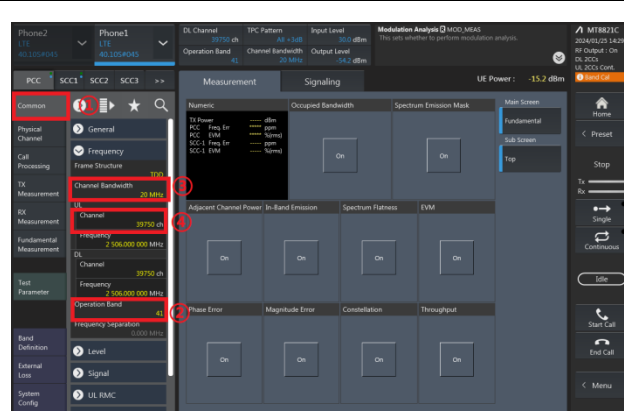
#### 3.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2
2. The transmitter output port was connected to the system simulator.
3. Set EUT at maximum power through the system simulator.
4. Select lowest, middle, and highest channels for each band and different modulation.
5. Measure and record the power level from the system simulator.

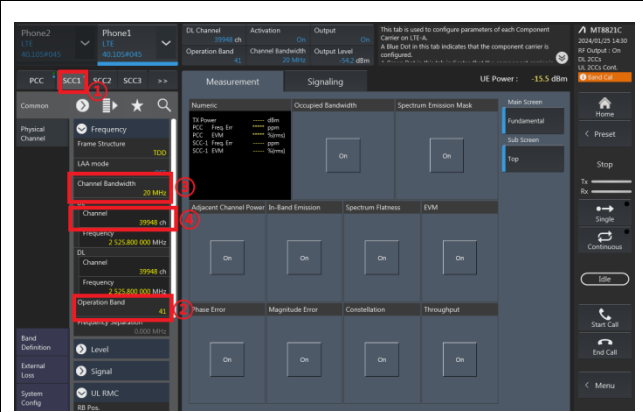
## 3.4.3 Test Procedures for LTE ULCA

1. The testing follows ANSI C63.26 Section 5.2
2. The transmitter PCC & SCC output ports were connected to the system simulator.
3. Set EUT at maximum power, set the PCC/SCC CA band, channel, bandwidth and RB config.

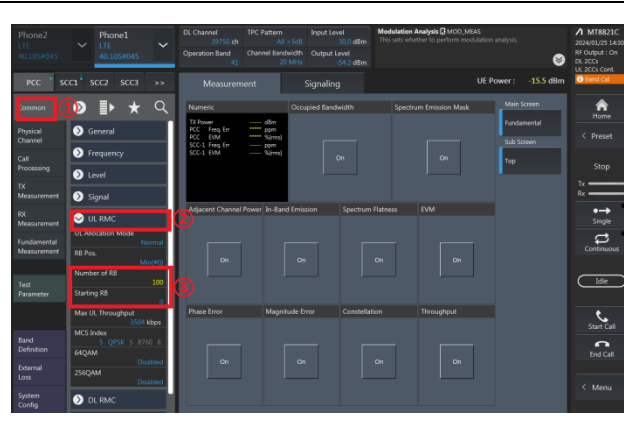
PCC config\_ (Channel Bandwidth / Channel / Band)



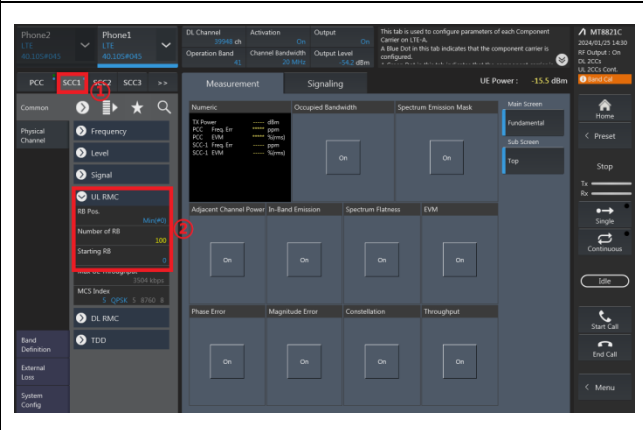
SCC config\_ (Channel Bandwidth / Channel / Band)



PCC config\_ (Number of RB / Starting RB)

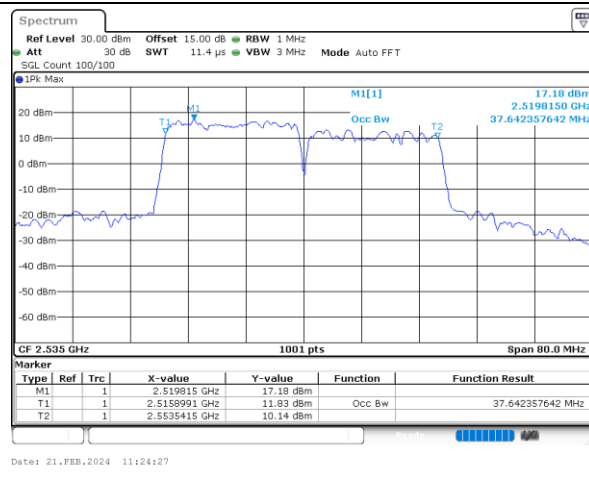


SCC config\_ (Number of RB / Starting RB)

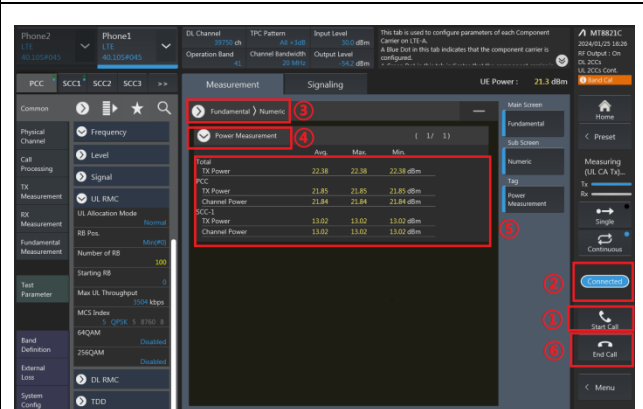


4. Select lowest, middle, and highest channels for each ULCA band and different modulation.
5. Check the ULCA spectrum and record the total power from the system simulator.

Check the ULCA spectrum (eg. 20M+20M)



Read the Total UL CA output power (PCC+SCC)



## **3.5 Peak-to-Average Ratio**

### **3.5.1 Description of the PAR Measurement**

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

### **3.5.2 Test Procedures**

1. The testing follows ANSI C63.26 Section 5.2.3.4 (CCDF).
2. The EUT was connected to spectrum and system simulator via a power divider.
3. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
4. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
5. Record the deviation as Peak to Average Ratio.

## 3.6 Occupied Bandwidth

### 3.6.1 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.

### 3.6.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.4
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. 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.
4. 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.
5. Set the detection mode to peak, and the trace mode to max hold.
6. 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)
7. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
8. 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.
9. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

## 3.7 Conducted Band Edge

### 3.7.1 Description of Conducted Band Edge Measurement

#### 27.53 (c)

For operations in the 776-788 MHz band, the FCC limit is  $43 + 10\log_{10}(P[\text{Watts}])$  dB below the transmitter power  $P(\text{Watts})$  in a 100 kHz bandwidth. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed. In addition, the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power,  $P$  (dBW), by at least  $65 + 10 \log_{10} p(\text{watts})$ , dB, for mobile and portable equipment.

#### 27.53 (g)

For operations in the 600MHz band and 698 -746 MHz band, the FCC limit is  $43 + 10\log_{10}(P[\text{Watts}])$  dB below the transmitter power  $P(\text{Watts})$  in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

#### 27.53(m)(4)

For mobile digital stations, the attenuation factor shall be not less than  $40 + 10 \log (P)$  dB on all frequencies between the channel edge and 5 megahertz from the channel edge,  $43 + 10 \log (P)$  dB on all frequencies between 5 megahertz and  $X$  megahertz from the channel edge, and  $55 + 10 \log (P)$  dB on all frequencies more than  $X$  megahertz from the channel edge, where  $X$  is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than  $43 + 10 \log (P)$  dB on all frequencies between 2490.5 MHz and 2496 MHz and  $55 + 10 \log (P)$  dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

### 3.7.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The band edges of low and high channels for the highest RF powers were measured.
4. Set RBW  $\geq 1\%$  EBW in the 1MHz band immediately outside and adjacent to the band edge.
5. Beyond the 1 MHz band from the band edge, RBW=1MHz was used or a narrower RBW was used and the measured power was integrated over the full required measurement bandwidth of 1 MHz.
6. Set spectrum analyzer with RMS detector.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. Checked that all the results comply with the emission limit line.

Example:

The limit line is derived from  $43 + 10\log(P)$  dB below the transmitter power P(Watts)

$$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)} = -13\text{dBm}.$$

9. For LTE Band 7, 38, 41, the other 40 dB, and 55 dB have additionally applied same calculation above.
10. When using the integration method, the starting frequency of the integration shall be centered at one-half of the RBW away from the band edge.

## 3.8 Conducted Spurious Emission

### 3.8.1 Description of Conducted Spurious Emission Measurement

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least  $43 + 10 \log (P)$  dB.

For Band 7,38,41:

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least  $55 + 10 \log (P)$  dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10<sup>th</sup> harmonic.

### 3.8.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. 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.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
7. Set spectrum analyzer with RMS detector.
8. Taking the record of maximum spurious emission.
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
10. The limit line is derived from  $43 + 10\log(P)$ dB below the transmitter power P(Watts)  
 $= P(W) - [43 + 10\log(P)]$  (dB)  
 $= [30 + 10\log(P)]$  (dBm) -  $[43 + 10\log(P)]$  (dB)  
 $= -13$ dBm.
11. For Band 7, 38, 41  
The limit line is derived from  $55 + 10\log(P)$ dB below the transmitter power P(Watts)  
 $= P(W) - [55 + 10\log(P)]$  (dB)  
 $= [30 + 10\log(P)]$  (dBm) -  $[55 + 10\log(P)]$  (dB)  
 $= -25$ dBm.

### 3.9 Frequency Stability

#### 3.9.1 Description of Frequency Stability Measurement

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within  $\pm 0.00025\%$  ( $\pm 2.5\text{ppm}$ ) of the center frequency.

#### 3.9.2 Test Procedures for Temperature Variation

1. The testing follows ANSI C63.26 section 5.6.4
2. The EUT was set up in the thermal chamber and connected with the system simulator.
3. With power OFF, the temperature was decreased to  $-30^{\circ}\text{C}$  and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
4. With power OFF, the temperature was raised in  $10^{\circ}\text{C}$  step up to  $50^{\circ}\text{C}$ . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

#### 3.9.3 Test Procedures for Voltage Variation

1. The testing follows ANSI C63.26 section 5.6.5
2. The EUT was placed in a temperature chamber at  $20\pm 5^{\circ}\text{C}$  and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value for other than hand carried battery equipment.
4. For hand carried, battery powered equipment, reduce the primary ac or dc supply voltage to the battery operating end point, which shall be specified by the manufacturer.
5. The variation in frequency was measured for the worst case.

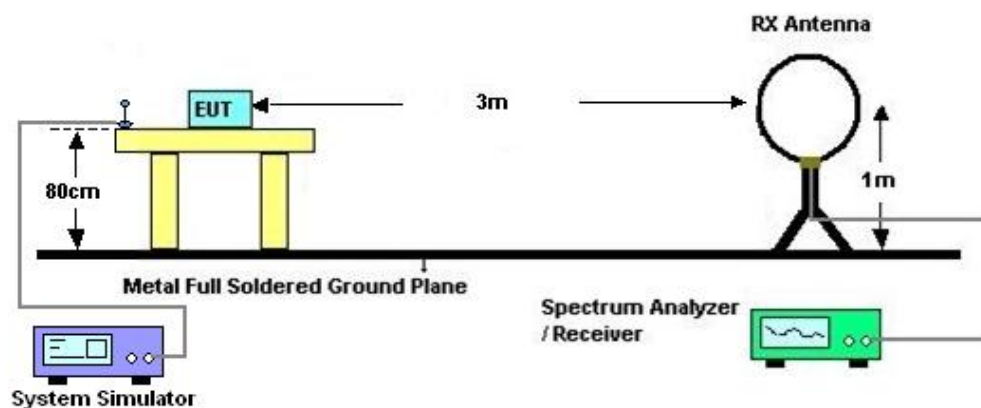
## 4 Radiated Test Items

### 4.1 Measuring Instruments

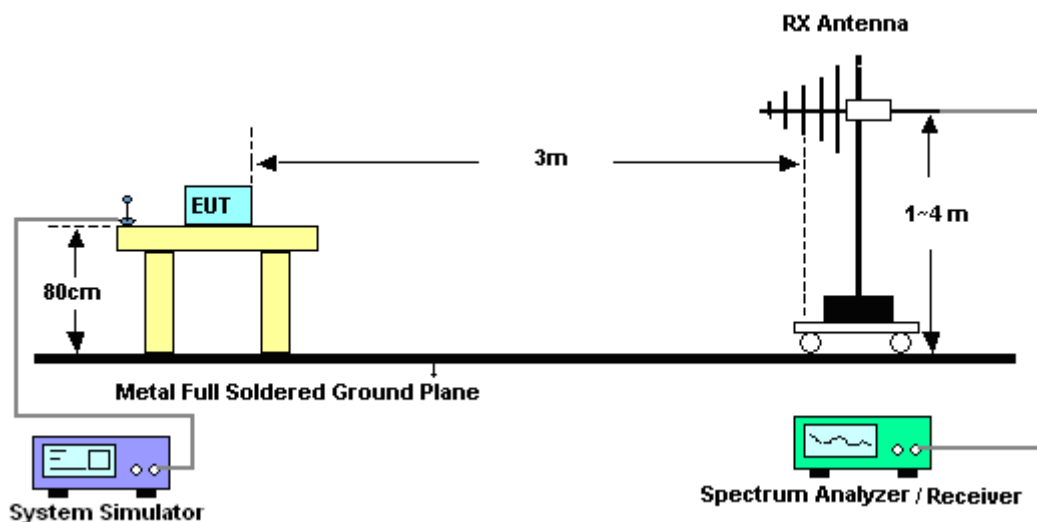
See list of measuring instruments of this test report.

### 4.2 Test Setup

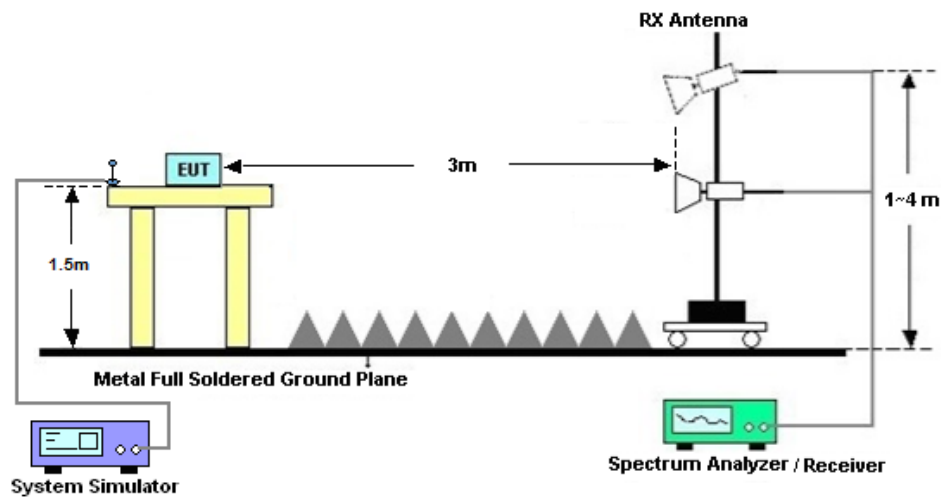
#### 4.2.1 For radiated test below 30MHz



#### 4.2.2 For radiated test from 30MHz to 1GHz



#### 4.2.3 For radiated test above 1GHz



#### 4.3 Test Result of Radiated Test

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.

Please refer to Appendix B.

## 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 C63.26. 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  $43 + 10 \log (P)$  dB.

For Band 7, 38, 41

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  $55 + 10 \log (P)$  dB.

For LTE Band 13

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to  $-70$  dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and  $-80$  dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

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

### 4.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
10.  $\text{EIRP (dBm)} = \text{S.G. Power} - \text{Tx Cable Loss} + \text{Tx Antenna Gain}$
11.  $\text{ERP (dBm)} = \text{EIRP} - 2.15$
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from  $43 + 10\log(P)$ dB below the transmitter power P(Watts)  
 $= P(W) - [43 + 10\log(P)] \text{ (dB)}$   
 $= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$   
 $= -13\text{dBm}.$

13. For Band 7, 38, 41:

The limit line is derived from  $55 + 10\log(P)$ dB below the transmitter power P(Watts)



## 5 List of Measuring Equipment

| Instrument                     | Manufacturer | Model No.     | Serial No.   | Characteristics         | Calibration Date | Test Date                       | Due Date      | Remark                |
|--------------------------------|--------------|---------------|--------------|-------------------------|------------------|---------------------------------|---------------|-----------------------|
| Spectrum Analyzer              | R&S          | FSV40         | 101040       | 10Hz~40GHz              | Oct. 10, 2024    | Mar. 19, 2025~<br>Apr. 10, 2025 | Oct. 09, 2025 | Conducted (TH01-KS)   |
| Power divider                  | STI          | STI08-0055    | -            | 0.5~40GHz               | NCR              | Mar. 19, 2025~<br>Apr. 10, 2025 | NCR           | Conducted (TH01-KS)   |
| Temperature & humidity chamber | Hongzhan     | LP-150U       | H2014011440  | -40~+150°C<br>20%~95%RH | Jul. 04, 2024    | Mar. 19, 2025~<br>Apr. 10, 2025 | Jul. 03, 2025 | Conducted (TH01-KS)   |
| EXA Spectrum Analyzer          | KEYSIGHT     | N9010A        | MY55150213   | 10Hz~44GHz              | Jul. 03, 2024    | Mar. 29, 2025~<br>Apr. 09, 2025 | Jul. 02, 2025 | Radiation (03CH02-SZ) |
| Loop Antenna                   | R&S          | HFH2-Z2E      | 101141       | 9kHz~30MHz              | Dec. 28, 2024    | Mar. 29, 2025~<br>Apr. 09, 2025 | Dec. 27, 2025 | Radiation (03CH02-SZ) |
| Bilog Antenna                  | TeseQ        | CBL6112D      | 35407        | 30MHz~2GHz              | Oct. 24, 2023    | Mar. 29, 2025~<br>Apr. 09, 2025 | Oct. 23, 2025 | Radiation (03CH02-SZ) |
| Double Ridge Horn Antenna      | ETS-Lindgren | 3117          | 00119436     | 1GHz~18GHz              | Jul. 04, 2024    | Mar. 29, 2025~<br>Apr. 09, 2025 | Jul. 04, 2025 | Radiation (03CH02-SZ) |
| HF Amplifier                   | MITEQ        | TTA1840-35-HG | 1871923      | 18GHz~40GHz             | Jul. 03, 2024    | Mar. 29, 2025~<br>Apr. 09, 2025 | Jul. 03, 2025 | Radiation (03CH02-SZ) |
| SHF-EHF Horn                   | com-power    | AH-840        | 101071       | 18Ghz~40GHz             | Apr. 09, 2024    | Mar. 29, 2025~<br>Apr. 09, 2025 | Apr. 08, 2025 | Radiation (03CH02-SZ) |
| SHF-EHF Horn                   | com-power    | AH-840        | 101071       | 18Ghz~40GHz             | Apr. 08, 2025    |                                 | Apr. 07, 2026 | Radiation (03CH02-SZ) |
| LF Amplifier                   | Burgeon      | BPA-530       | 102211       | 0.01~3000Mhz            | Oct. 18, 2024    | Mar. 29, 2025~<br>Apr. 09, 2025 | Oct. 17, 2025 | Radiation (03CH02-SZ) |
| HF Amplifier                   | KEYSIGHT     | 83017A        | MY53270105   | 0.5GHz~26.5Ghz          | Oct. 14, 2024    | Mar. 29, 2025~<br>Apr. 09, 2025 | Oct. 13, 2025 | Radiation (03CH02-SZ) |
| AC Power Source                | Chroma       | 61601         | 616010003043 | N/A                     | Oct. 18, 2024    | Mar. 29, 2025~<br>Apr. 09, 2025 | Oct. 17, 2025 | Radiation (03CH02-SZ) |
| Turn Table                     | Chaintek     | T-200         | N/A          | 0~360 degree            | NCR              | Mar. 29, 2025~<br>Apr. 09, 2025 | NCR           | Radiation (03CH02-SZ) |
| Antenna Mast                   | Chaintek     | MBS-400       | N/A          | 1 m~4 m                 | NCR              | Mar. 29, 2025~<br>Apr. 09, 2025 | NCR           | Radiation (03CH02-SZ) |

NCR: No Calibration Required

## 6 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.26-2015. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

### Uncertainty of Conducted Measurement

|                                        |           |
|----------------------------------------|-----------|
| Conducted Spurious Emission & Bandedge | ±2.22 dB  |
| Occupied Channel Bandwidth             | ±0.1%     |
| Conducted Power                        | ±0.50 dB  |
| Peak to Average Ratio                  | ±0.90 dB  |
| Frequency Stability                    | ±0.04 ppm |

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

|                                                                     |         |
|---------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y)) | 2.47 dB |
|---------------------------------------------------------------------|---------|

### Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

|                                                                     |         |
|---------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y)) | 3.31 dB |
|---------------------------------------------------------------------|---------|

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

|                                                                     |         |
|---------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y)) | 3.72 dB |
|---------------------------------------------------------------------|---------|

----- THE END -----



## Appendix A. Test Results of Conducted Test

|                 |            |                     |        |
|-----------------|------------|---------------------|--------|
| Test Engineer : | Smile Wang | Temperature :       | 22~23℃ |
|                 |            | Relative Humidity : | 40~42% |

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

#### LTE Band 7\_ANT4:

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | EIRP(W) |        |        |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|---------|--------|--------|
| Channel         |            |         |           | 20850                    | 20850                       | 21350                     |         |        |        |
| Frequency (MHz) |            |         |           | 2510                     | 2535                        | 2560                      | L       | M      | H      |
| 20              | QPSK       | 1       | 0         | 22.63                    | 22.73                       | 22.58                     | 0.1130  | 0.1156 | 0.1117 |
| 20              | QPSK       | 1       | 49        | 22.59                    | 22.65                       | 22.36                     | 0.1119  | 0.1135 | 0.1062 |
| 20              | QPSK       | 1       | 99        | 22.57                    | 22.63                       | 22.55                     | 0.1114  | 0.1130 | 0.1109 |
| 20              | QPSK       | 50      | 0         | 21.55                    | 21.73                       | 21.66                     | 0.0881  | 0.0918 | 0.0904 |
| 20              | QPSK       | 50      | 24        | 21.60                    | 21.70                       | 21.68                     | 0.0891  | 0.0912 | 0.0908 |
| 20              | QPSK       | 50      | 50        | 21.66                    | 21.66                       | 21.52                     | 0.0904  | 0.0904 | 0.0875 |
| 20              | QPSK       | 100     | 0         | 21.61                    | 21.64                       | 21.56                     | 0.0893  | 0.0899 | 0.0883 |
| 20              | 16QAM      | 1       | 0         | 21.65                    | 21.83                       | 21.65                     | 0.0902  | 0.0940 | 0.0902 |
| 20              | 16QAM      | 1       | 49        | 21.52                    | 21.74                       | 21.42                     | 0.0875  | 0.0920 | 0.0855 |
| 20              | 16QAM      | 1       | 99        | 21.58                    | 21.55                       | 21.45                     | 0.0887  | 0.0881 | 0.0861 |
| 20              | 16QAM      | 50      | 0         | 20.56                    | 20.72                       | 20.49                     | 0.0701  | 0.0728 | 0.0690 |
| 20              | 16QAM      | 50      | 24        | 20.52                    | 20.76                       | 20.35                     | 0.0695  | 0.0735 | 0.0668 |
| 20              | 16QAM      | 50      | 50        | 20.46                    | 20.54                       | 20.51                     | 0.0685  | 0.0698 | 0.0693 |
| 20              | 16QAM      | 100     | 0         | 20.60                    | 20.72                       | 20.52                     | 0.0708  | 0.0728 | 0.0695 |
| 20              | 64QAM      | 1       | 0         | 20.68                    | 20.80                       | 20.57                     | 0.0721  | 0.0741 | 0.0703 |
| 20              | 64QAM      | 1       | 49        | 20.69                    | 20.63                       | 20.46                     | 0.0723  | 0.0713 | 0.0685 |
| 20              | 64QAM      | 1       | 99        | 20.50                    | 20.65                       | 20.52                     | 0.0692  | 0.0716 | 0.0695 |
| 20              | 64QAM      | 50      | 0         | 19.67                    | 19.78                       | 19.63                     | 0.0571  | 0.0586 | 0.0566 |
| 20              | 64QAM      | 50      | 24        | 19.74                    | 19.78                       | 19.67                     | 0.0581  | 0.0586 | 0.0571 |
| 20              | 64QAM      | 50      | 50        | 19.60                    | 19.64                       | 19.36                     | 0.0562  | 0.0568 | 0.0532 |
| 20              | 64QAM      | 100     | 0         | 19.61                    | 19.75                       | 19.53                     | 0.0564  | 0.0582 | 0.0553 |
| 20              | 256QAM     | 1       | 0         | 17.72                    | 17.65                       | 17.51                     | 0.0365  | 0.0359 | 0.0348 |
| 20              | 256QAM     | 1       | 49        | 17.49                    | 17.57                       | 17.34                     | 0.0346  | 0.0352 | 0.0334 |
| 20              | 256QAM     | 1       | 99        | 17.46                    | 17.59                       | 17.47                     | 0.0344  | 0.0354 | 0.0344 |
| 20              | 256QAM     | 50      | 0         | 17.59                    | 17.62                       | 17.51                     | 0.0354  | 0.0356 | 0.0348 |
| 20              | 256QAM     | 50      | 24        | 17.51                    | 17.75                       | 17.54                     | 0.0348  | 0.0367 | 0.0350 |
| 20              | 256QAM     | 50      | 50        | 17.61                    | 17.71                       | 17.33                     | 0.0356  | 0.0364 | 0.0333 |
| 20              | 256QAM     | 100     | 0         | 17.47                    | 17.56                       | 17.54                     | 0.0344  | 0.0352 | 0.0350 |
| Channel         |            |         |           | 20825                    | 21100                       | 21375                     | EIRP(W) |        |        |
| Frequency (MHz) |            |         |           | 2507.5                   | 2535                        | 2562.5                    | L       | M      | H      |
| 15              | QPSK       | 1       | 0         | 22.56                    | 22.66                       | 22.49                     | 0.1112  | 0.1138 | 0.1094 |
| 15              | QPSK       | 1       | 37        | 22.39                    | 22.57                       | 22.25                     | 0.1069  | 0.1114 | 0.1035 |



|                 |        |    |    |       |       |       |         |        |        |
|-----------------|--------|----|----|-------|-------|-------|---------|--------|--------|
| 15              | QPSK   | 1  | 74 | 22.52 | 22.49 | 22.44 | 0.1102  | 0.1094 | 0.1081 |
| 15              | QPSK   | 36 | 0  | 21.53 | 21.53 | 21.55 | 0.0877  | 0.0877 | 0.0881 |
| 15              | QPSK   | 36 | 20 | 21.48 | 21.63 | 21.69 | 0.0867  | 0.0897 | 0.0910 |
| 15              | QPSK   | 36 | 39 | 21.50 | 21.64 | 21.43 | 0.0871  | 0.0899 | 0.0857 |
| 15              | QPSK   | 75 | 0  | 21.61 | 21.65 | 21.38 | 0.0893  | 0.0902 | 0.0847 |
| 15              | 16QAM  | 1  | 0  | 21.64 | 21.69 | 21.67 | 0.0899  | 0.0910 | 0.0906 |
| 15              | 16QAM  | 1  | 37 | 21.49 | 21.63 | 21.23 | 0.0869  | 0.0897 | 0.0818 |
| 15              | 16QAM  | 1  | 74 | 21.56 | 21.37 | 21.42 | 0.0883  | 0.0845 | 0.0855 |
| 15              | 16QAM  | 36 | 0  | 20.50 | 20.55 | 20.32 | 0.0692  | 0.0700 | 0.0664 |
| 15              | 16QAM  | 36 | 20 | 20.51 | 20.61 | 20.15 | 0.0693  | 0.0710 | 0.0638 |
| 15              | 16QAM  | 36 | 39 | 20.40 | 20.51 | 20.30 | 0.0676  | 0.0693 | 0.0661 |
| 15              | 16QAM  | 75 | 0  | 20.52 | 20.57 | 20.50 | 0.0695  | 0.0703 | 0.0692 |
| 15              | 64QAM  | 1  | 0  | 20.60 | 20.60 | 20.51 | 0.0708  | 0.0708 | 0.0693 |
| 15              | 64QAM  | 1  | 37 | 20.51 | 20.58 | 20.32 | 0.0693  | 0.0705 | 0.0664 |
| 15              | 64QAM  | 1  | 74 | 20.51 | 20.51 | 20.48 | 0.0693  | 0.0693 | 0.0689 |
| 15              | 64QAM  | 36 | 0  | 19.64 | 19.70 | 19.62 | 0.0568  | 0.0575 | 0.0565 |
| 15              | 64QAM  | 36 | 20 | 19.71 | 19.78 | 19.58 | 0.0577  | 0.0586 | 0.0560 |
| 15              | 64QAM  | 36 | 39 | 19.45 | 19.65 | 19.35 | 0.0543  | 0.0569 | 0.0531 |
| 15              | 64QAM  | 75 | 0  | 19.48 | 19.73 | 19.46 | 0.0547  | 0.0579 | 0.0545 |
| 15              | 256QAM | 1  | 0  | 17.64 | 17.56 | 17.48 | 0.0358  | 0.0352 | 0.0345 |
| 15              | 256QAM | 1  | 37 | 17.39 | 17.54 | 17.23 | 0.0338  | 0.0350 | 0.0326 |
| 15              | 256QAM | 1  | 74 | 17.29 | 17.61 | 17.30 | 0.0330  | 0.0356 | 0.0331 |
| 15              | 256QAM | 36 | 0  | 17.54 | 17.42 | 17.46 | 0.0350  | 0.0340 | 0.0344 |
| 15              | 256QAM | 36 | 20 | 17.50 | 17.61 | 17.35 | 0.0347  | 0.0356 | 0.0335 |
| 15              | 256QAM | 36 | 39 | 17.53 | 17.62 | 17.20 | 0.0349  | 0.0356 | 0.0324 |
| 15              | 256QAM | 75 | 0  | 17.47 | 17.45 | 17.45 | 0.0344  | 0.0343 | 0.0343 |
| Channel         |        |    |    | 20800 | 21100 | 21400 | EIRP(W) |        |        |
| Frequency (MHz) |        |    |    | 2505  | 2535  | 2565  | L       | M      | H      |
| 10              | QPSK   | 1  | 0  | 22.46 | 22.53 | 22.40 | 0.1086  | 0.1104 | 0.1072 |
| 10              | QPSK   | 1  | 25 | 22.38 | 22.65 | 22.22 | 0.1067  | 0.1135 | 0.1028 |
| 10              | QPSK   | 1  | 49 | 22.40 | 22.55 | 22.51 | 0.1072  | 0.1109 | 0.1099 |
| 10              | QPSK   | 25 | 0  | 21.55 | 21.57 | 21.65 | 0.0881  | 0.0885 | 0.0902 |
| 10              | QPSK   | 25 | 12 | 21.59 | 21.64 | 21.65 | 0.0889  | 0.0899 | 0.0902 |
| 10              | QPSK   | 25 | 25 | 21.46 | 21.56 | 21.33 | 0.0863  | 0.0883 | 0.0838 |
| 10              | QPSK   | 50 | 0  | 21.39 | 21.58 | 21.43 | 0.0849  | 0.0887 | 0.0857 |
| 10              | 16QAM  | 1  | 0  | 21.58 | 21.62 | 21.66 | 0.0887  | 0.0895 | 0.0904 |
| 10              | 16QAM  | 1  | 25 | 21.49 | 21.69 | 21.42 | 0.0869  | 0.0910 | 0.0855 |
| 10              | 16QAM  | 1  | 49 | 21.51 | 21.33 | 21.40 | 0.0873  | 0.0838 | 0.0851 |
| 10              | 16QAM  | 25 | 0  | 20.35 | 20.59 | 20.29 | 0.0668  | 0.0706 | 0.0659 |
| 10              | 16QAM  | 25 | 12 | 20.37 | 20.73 | 20.30 | 0.0671  | 0.0729 | 0.0661 |
| 10              | 16QAM  | 25 | 25 | 20.24 | 20.32 | 20.47 | 0.0652  | 0.0664 | 0.0687 |
| 10              | 16QAM  | 50 | 0  | 20.59 | 20.60 | 20.43 | 0.0706  | 0.0708 | 0.0681 |
| 10              | 64QAM  | 1  | 0  | 20.51 | 20.70 | 20.52 | 0.0693  | 0.0724 | 0.0695 |
| 10              | 64QAM  | 1  | 25 | 20.71 | 20.52 | 20.24 | 0.0726  | 0.0695 | 0.0652 |
| 10              | 64QAM  | 1  | 49 | 20.37 | 20.56 | 20.33 | 0.0671  | 0.0701 | 0.0665 |
| 10              | 64QAM  | 25 | 0  | 19.56 | 19.63 | 19.54 | 0.0557  | 0.0566 | 0.0555 |



|                 |        |    |    |        |       |        |         |        |        |
|-----------------|--------|----|----|--------|-------|--------|---------|--------|--------|
| 10              | 64QAM  | 25 | 12 | 19.52  | 19.58 | 19.49  | 0.0552  | 0.0560 | 0.0548 |
| 10              | 64QAM  | 25 | 25 | 19.48  | 19.59 | 19.16  | 0.0547  | 0.0561 | 0.0508 |
| 10              | 64QAM  | 50 | 0  | 19.56  | 19.64 | 19.46  | 0.0557  | 0.0568 | 0.0545 |
| 10              | 256QAM | 1  | 0  | 17.56  | 17.50 | 17.47  | 0.0352  | 0.0347 | 0.0344 |
| 10              | 256QAM | 1  | 25 | 17.40  | 17.47 | 17.18  | 0.0339  | 0.0344 | 0.0322 |
| 10              | 256QAM | 1  | 49 | 17.44  | 17.40 | 17.30  | 0.0342  | 0.0339 | 0.0331 |
| 10              | 256QAM | 25 | 0  | 17.40  | 17.61 | 17.37  | 0.0339  | 0.0356 | 0.0337 |
| 10              | 256QAM | 25 | 12 | 17.37  | 17.60 | 17.50  | 0.0337  | 0.0355 | 0.0347 |
| 10              | 256QAM | 25 | 25 | 17.49  | 17.57 | 17.32  | 0.0346  | 0.0352 | 0.0333 |
| 10              | 256QAM | 50 | 0  | 17.33  | 17.51 | 17.45  | 0.0333  | 0.0348 | 0.0343 |
| Channel         |        |    |    | 20775  | 21100 | 21425  | EIRP(W) |        |        |
| Frequency (MHz) |        |    |    | 2502.5 | 2535  | 2567.5 | L       | M      | H      |
| 5               | QPSK   | 1  | 0  | 22.47  | 22.72 | 22.59  | 0.1089  | 0.1153 | 0.1119 |
| 5               | QPSK   | 1  | 12 | 22.52  | 22.52 | 22.30  | 0.1102  | 0.1102 | 0.1047 |
| 5               | QPSK   | 1  | 24 | 22.42  | 22.55 | 22.43  | 0.1076  | 0.1109 | 0.1079 |
| 5               | QPSK   | 12 | 0  | 21.35  | 21.57 | 21.58  | 0.0841  | 0.0885 | 0.0887 |
| 5               | QPSK   | 12 | 7  | 21.43  | 21.56 | 21.47  | 0.0857  | 0.0883 | 0.0865 |
| 5               | QPSK   | 12 | 13 | 21.67  | 21.65 | 21.53  | 0.0906  | 0.0902 | 0.0877 |
| 5               | QPSK   | 25 | 0  | 21.48  | 21.63 | 21.38  | 0.0867  | 0.0897 | 0.0847 |
| 5               | 16QAM  | 1  | 0  | 21.60  | 21.67 | 21.45  | 0.0891  | 0.0906 | 0.0861 |
| 5               | 16QAM  | 1  | 12 | 21.52  | 21.57 | 21.38  | 0.0875  | 0.0885 | 0.0847 |
| 5               | 16QAM  | 1  | 24 | 21.38  | 21.34 | 21.37  | 0.0847  | 0.0839 | 0.0845 |
| 5               | 16QAM  | 12 | 0  | 20.41  | 20.65 | 20.30  | 0.0678  | 0.0716 | 0.0661 |
| 5               | 16QAM  | 12 | 7  | 20.54  | 20.65 | 20.35  | 0.0698  | 0.0716 | 0.0668 |
| 5               | 16QAM  | 12 | 13 | 20.42  | 20.34 | 20.40  | 0.0679  | 0.0667 | 0.0676 |
| 5               | 16QAM  | 25 | 0  | 20.47  | 20.52 | 20.38  | 0.0687  | 0.0695 | 0.0673 |
| 5               | 64QAM  | 1  | 0  | 20.63  | 20.60 | 20.54  | 0.0713  | 0.0708 | 0.0698 |
| 5               | 64QAM  | 1  | 12 | 20.68  | 20.51 | 20.31  | 0.0721  | 0.0693 | 0.0662 |
| 5               | 64QAM  | 1  | 24 | 20.38  | 20.66 | 20.51  | 0.0673  | 0.0718 | 0.0693 |
| 5               | 64QAM  | 12 | 0  | 19.45  | 19.61 | 19.55  | 0.0543  | 0.0564 | 0.0556 |
| 5               | 64QAM  | 12 | 7  | 19.74  | 19.57 | 19.48  | 0.0581  | 0.0558 | 0.0547 |
| 5               | 64QAM  | 12 | 13 | 19.42  | 19.65 | 19.43  | 0.0540  | 0.0569 | 0.0541 |
| 5               | 64QAM  | 25 | 0  | 19.61  | 19.75 | 19.52  | 0.0564  | 0.0582 | 0.0552 |
| 5               | 256QAM | 1  | 0  | 17.50  | 17.47 | 17.30  | 0.0347  | 0.0344 | 0.0331 |
| 5               | 256QAM | 1  | 12 | 17.51  | 17.41 | 17.29  | 0.0348  | 0.0340 | 0.0330 |
| 5               | 256QAM | 1  | 24 | 17.24  | 17.45 | 17.29  | 0.0327  | 0.0343 | 0.0330 |
| 5               | 256QAM | 12 | 0  | 17.50  | 17.47 | 17.51  | 0.0347  | 0.0344 | 0.0348 |
| 5               | 256QAM | 12 | 7  | 17.48  | 17.61 | 17.36  | 0.0345  | 0.0356 | 0.0336 |
| 5               | 256QAM | 12 | 13 | 17.55  | 17.51 | 17.29  | 0.0351  | 0.0348 | 0.0330 |
| 5               | 256QAM | 25 | 0  | 17.41  | 17.42 | 17.50  | 0.0340  | 0.0340 | 0.0347 |



## LTE Band 12\_ANT0:

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | ERP(W) |        |        |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|--------|--------|--------|
| Channel         |            |         |           | 23060                 | 23095                    | 23130                  |        |        |        |
| Frequency (MHz) |            |         |           | 704                   | 707.5                    | 711                    | L      | M      | H      |
| 10              | QPSK       | 1       | 0         | 22.55                 | 22.61                    | 22.50                  | 0.0347 | 0.0352 | 0.0343 |
| 10              | QPSK       | 1       | 25        | 22.59                 | 22.47                    | 22.50                  | 0.0350 | 0.0340 | 0.0343 |
| 10              | QPSK       | 1       | 49        | 22.43                 | 22.51                    | 22.47                  | 0.0337 | 0.0344 | 0.0340 |
| 10              | QPSK       | 25      | 0         | 21.65                 | 21.67                    | 21.54                  | 0.0282 | 0.0283 | 0.0275 |
| 10              | QPSK       | 25      | 12        | 21.57                 | 21.61                    | 21.64                  | 0.0277 | 0.0279 | 0.0281 |
| 10              | QPSK       | 25      | 25        | 21.64                 | 21.62                    | 21.54                  | 0.0281 | 0.0280 | 0.0275 |
| 10              | QPSK       | 50      | 0         | 21.58                 | 21.60                    | 21.43                  | 0.0277 | 0.0279 | 0.0268 |
| 10              | 16QAM      | 1       | 0         | 21.91                 | 21.93                    | 21.99                  | 0.0299 | 0.0301 | 0.0305 |
| 10              | 16QAM      | 1       | 25        | 21.98                 | 21.96                    | 21.96                  | 0.0304 | 0.0303 | 0.0303 |
| 10              | 16QAM      | 1       | 49        | 21.91                 | 22.02                    | 21.95                  | 0.0299 | 0.0307 | 0.0302 |
| 10              | 16QAM      | 25      | 0         | 20.49                 | 20.69                    | 20.58                  | 0.0216 | 0.0226 | 0.0220 |
| 10              | 16QAM      | 25      | 12        | 20.52                 | 20.70                    | 20.52                  | 0.0217 | 0.0226 | 0.0217 |
| 10              | 16QAM      | 25      | 25        | 20.59                 | 20.54                    | 20.78                  | 0.0221 | 0.0218 | 0.0231 |
| 10              | 16QAM      | 50      | 0         | 20.67                 | 20.54                    | 20.61                  | 0.0225 | 0.0218 | 0.0222 |
| 10              | 64QAM      | 1       | 0         | 20.45                 | 20.62                    | 20.54                  | 0.0214 | 0.0222 | 0.0218 |
| 10              | 64QAM      | 1       | 25        | 20.56                 | 20.70                    | 20.45                  | 0.0219 | 0.0226 | 0.0214 |
| 10              | 64QAM      | 1       | 49        | 20.50                 | 20.52                    | 20.75                  | 0.0216 | 0.0217 | 0.0229 |
| 10              | 64QAM      | 25      | 0         | 19.45                 | 19.58                    | 19.60                  | 0.0170 | 0.0175 | 0.0176 |
| 10              | 64QAM      | 25      | 12        | 19.44                 | 19.65                    | 19.71                  | 0.0169 | 0.0178 | 0.0180 |
| 10              | 64QAM      | 25      | 25        | 19.64                 | 19.46                    | 19.76                  | 0.0177 | 0.0170 | 0.0182 |
| 10              | 64QAM      | 50      | 0         | 19.61                 | 19.51                    | 19.77                  | 0.0176 | 0.0172 | 0.0183 |
| 10              | 256QAM     | 1       | 0         | 17.54                 | 17.61                    | 17.74                  | 0.0109 | 0.0111 | 0.0115 |
| 10              | 256QAM     | 1       | 25        | 17.49                 | 17.70                    | 17.55                  | 0.0108 | 0.0114 | 0.0110 |
| 10              | 256QAM     | 1       | 49        | 17.45                 | 17.71                    | 17.70                  | 0.0107 | 0.0114 | 0.0114 |
| 10              | 256QAM     | 25      | 0         | 17.49                 | 17.65                    | 17.60                  | 0.0108 | 0.0112 | 0.0111 |
| 10              | 256QAM     | 25      | 12        | 17.62                 | 17.60                    | 17.70                  | 0.0111 | 0.0111 | 0.0114 |
| 10              | 256QAM     | 25      | 25        | 17.69                 | 17.61                    | 17.66                  | 0.0113 | 0.0111 | 0.0112 |
| 10              | 256QAM     | 50      | 0         | 17.65                 | 17.60                    | 17.82                  | 0.0112 | 0.0111 | 0.0117 |
| Channel         |            |         |           | 23035                 | 23095                    | 23155                  | ERP(W) |        |        |
| Frequency (MHz) |            |         |           | 701.5                 | 707.5                    | 713.5                  | L      | M      | H      |
| 5               | QPSK       | 1       | 0         | 22.44                 | 22.56                    | 22.47                  | 0.0338 | 0.0348 | 0.0340 |
| 5               | QPSK       | 1       | 12        | 22.43                 | 22.33                    | 22.45                  | 0.0337 | 0.0330 | 0.0339 |
| 5               | QPSK       | 1       | 24        | 22.33                 | 22.44                    | 22.38                  | 0.0330 | 0.0338 | 0.0333 |
| 5               | QPSK       | 12      | 0         | 21.48                 | 21.56                    | 21.51                  | 0.0271 | 0.0276 | 0.0273 |
| 5               | QPSK       | 12      | 7         | 21.48                 | 21.51                    | 21.59                  | 0.0271 | 0.0273 | 0.0278 |
| 5               | QPSK       | 12      | 13        | 21.55                 | 21.55                    | 21.48                  | 0.0275 | 0.0275 | 0.0271 |
| 5               | QPSK       | 25      | 0         | 21.48                 | 21.55                    | 21.41                  | 0.0271 | 0.0275 | 0.0267 |
| 5               | 16QAM      | 1       | 0         | 21.77                 | 21.82                    | 21.93                  | 0.0290 | 0.0293 | 0.0301 |
| 5               | 16QAM      | 1       | 12        | 21.81                 | 21.89                    | 21.84                  | 0.0292 | 0.0298 | 0.0294 |
| 5               | 16QAM      | 1       | 24        | 21.85                 | 21.99                    | 21.79                  | 0.0295 | 0.0305 | 0.0291 |



|                 |        |    |    |       |       |       |        |        |        |
|-----------------|--------|----|----|-------|-------|-------|--------|--------|--------|
| 5               | 16QAM  | 12 | 0  | 20.34 | 20.53 | 20.48 | 0.0208 | 0.0218 | 0.0215 |
| 5               | 16QAM  | 12 | 7  | 20.43 | 20.58 | 20.38 | 0.0213 | 0.0220 | 0.0210 |
| 5               | 16QAM  | 12 | 13 | 20.53 | 20.48 | 20.75 | 0.0218 | 0.0215 | 0.0229 |
| 5               | 16QAM  | 25 | 0  | 20.51 | 20.36 | 20.48 | 0.0217 | 0.0209 | 0.0215 |
| 5               | 64QAM  | 1  | 0  | 20.34 | 20.58 | 20.42 | 0.0208 | 0.0220 | 0.0212 |
| 5               | 64QAM  | 1  | 12 | 20.39 | 20.56 | 20.29 | 0.0211 | 0.0219 | 0.0206 |
| 5               | 64QAM  | 1  | 24 | 20.34 | 20.40 | 20.68 | 0.0208 | 0.0211 | 0.0225 |
| 5               | 64QAM  | 12 | 0  | 19.30 | 19.50 | 19.50 | 0.0164 | 0.0172 | 0.0172 |
| 5               | 64QAM  | 12 | 7  | 19.28 | 19.57 | 19.62 | 0.0163 | 0.0175 | 0.0177 |
| 5               | 64QAM  | 12 | 13 | 19.48 | 19.30 | 19.59 | 0.0171 | 0.0164 | 0.0175 |
| 5               | 64QAM  | 25 | 0  | 19.55 | 19.36 | 19.62 | 0.0174 | 0.0166 | 0.0177 |
| 5               | 256QAM | 1  | 0  | 17.42 | 17.55 | 17.67 | 0.0106 | 0.0110 | 0.0113 |
| 5               | 256QAM | 1  | 12 | 17.42 | 17.67 | 17.38 | 0.0106 | 0.0113 | 0.0105 |
| 5               | 256QAM | 1  | 24 | 17.36 | 17.58 | 17.58 | 0.0105 | 0.0110 | 0.0110 |
| 5               | 256QAM | 12 | 0  | 17.37 | 17.62 | 17.47 | 0.0105 | 0.0111 | 0.0108 |
| 5               | 256QAM | 12 | 7  | 17.59 | 17.54 | 17.55 | 0.0111 | 0.0109 | 0.0110 |
| 5               | 256QAM | 12 | 13 | 17.55 | 17.53 | 17.49 | 0.0110 | 0.0109 | 0.0108 |
| 5               | 256QAM | 25 | 0  | 17.52 | 17.52 | 17.69 | 0.0109 | 0.0109 | 0.0113 |
| Channel         |        |    |    | 23025 | 23095 | 23165 | ERP(W) |        |        |
| Frequency (MHz) |        |    |    | 700.5 | 707.5 | 714.5 | L      | M      | H      |
| 3               | QPSK   | 1  | 0  | 22.46 | 22.48 | 22.45 | 0.0340 | 0.0341 | 0.0339 |
| 3               | QPSK   | 1  | 8  | 22.56 | 22.39 | 22.36 | 0.0348 | 0.0334 | 0.0332 |
| 3               | QPSK   | 1  | 14 | 22.28 | 22.42 | 22.40 | 0.0326 | 0.0337 | 0.0335 |
| 3               | QPSK   | 8  | 0  | 21.51 | 21.52 | 21.42 | 0.0273 | 0.0274 | 0.0267 |
| 3               | QPSK   | 8  | 4  | 21.41 | 21.49 | 21.52 | 0.0267 | 0.0272 | 0.0274 |
| 3               | QPSK   | 8  | 7  | 21.50 | 21.45 | 21.46 | 0.0272 | 0.0269 | 0.0270 |
| 3               | QPSK   | 15 | 0  | 21.42 | 21.50 | 21.29 | 0.0267 | 0.0272 | 0.0259 |
| 3               | 16QAM  | 1  | 0  | 21.87 | 21.76 | 21.93 | 0.0296 | 0.0289 | 0.0301 |
| 3               | 16QAM  | 1  | 8  | 21.90 | 21.78 | 21.93 | 0.0299 | 0.0290 | 0.0301 |
| 3               | 16QAM  | 1  | 14 | 21.89 | 21.86 | 21.84 | 0.0298 | 0.0296 | 0.0294 |
| 3               | 16QAM  | 8  | 0  | 20.35 | 20.62 | 20.42 | 0.0209 | 0.0222 | 0.0212 |
| 3               | 16QAM  | 8  | 4  | 20.45 | 20.56 | 20.37 | 0.0214 | 0.0219 | 0.0210 |
| 3               | 16QAM  | 8  | 7  | 20.51 | 20.39 | 20.75 | 0.0217 | 0.0211 | 0.0229 |
| 3               | 16QAM  | 15 | 0  | 20.63 | 20.51 | 20.51 | 0.0223 | 0.0217 | 0.0217 |
| 3               | 64QAM  | 1  | 0  | 20.28 | 20.52 | 20.38 | 0.0206 | 0.0217 | 0.0210 |
| 3               | 64QAM  | 1  | 8  | 20.51 | 20.58 | 20.36 | 0.0217 | 0.0220 | 0.0209 |
| 3               | 64QAM  | 1  | 14 | 20.41 | 20.49 | 20.70 | 0.0212 | 0.0216 | 0.0226 |
| 3               | 64QAM  | 8  | 0  | 19.29 | 19.41 | 19.47 | 0.0164 | 0.0168 | 0.0171 |
| 3               | 64QAM  | 8  | 4  | 19.30 | 19.51 | 19.54 | 0.0164 | 0.0172 | 0.0173 |
| 3               | 64QAM  | 8  | 7  | 19.58 | 19.42 | 19.62 | 0.0175 | 0.0169 | 0.0177 |
| 3               | 64QAM  | 15 | 0  | 19.50 | 19.45 | 19.63 | 0.0172 | 0.0170 | 0.0177 |
| 3               | 256QAM | 1  | 0  | 17.46 | 17.59 | 17.63 | 0.0107 | 0.0111 | 0.0112 |
| 3               | 256QAM | 1  | 8  | 17.46 | 17.55 | 17.40 | 0.0107 | 0.0110 | 0.0106 |
| 3               | 256QAM | 1  | 14 | 17.43 | 17.56 | 17.57 | 0.0107 | 0.0110 | 0.0110 |
| 3               | 256QAM | 8  | 0  | 17.40 | 17.62 | 17.44 | 0.0106 | 0.0111 | 0.0107 |
| 3               | 256QAM | 8  | 4  | 17.59 | 17.52 | 17.66 | 0.0111 | 0.0109 | 0.0112 |
| 3               | 256QAM | 8  | 7  | 17.63 | 17.52 | 17.56 | 0.0112 | 0.0109 | 0.0110 |



|                 |        |    |   |       |       |       |        |        |        |
|-----------------|--------|----|---|-------|-------|-------|--------|--------|--------|
| 3               | 256QAM | 15 | 0 | 17.62 | 17.45 | 17.73 | 0.0111 | 0.0107 | 0.0114 |
| Channel         |        |    |   | 23017 | 23095 | 23173 | ERP(W) |        |        |
| Frequency (MHz) |        |    |   | 699.7 | 707.5 | 715.3 | L      | M      | H      |
| 1.4             | QPSK   | 1  | 0 | 22.48 | 22.47 | 22.37 | 0.0341 | 0.0340 | 0.0333 |
| 1.4             | QPSK   | 1  | 3 | 22.43 | 22.41 | 22.48 | 0.0337 | 0.0336 | 0.0341 |
| 1.4             | QPSK   | 1  | 5 | 22.31 | 22.38 | 22.38 | 0.0328 | 0.0333 | 0.0333 |
| 1.4             | QPSK   | 3  | 0 | 22.30 | 22.35 | 22.24 | 0.0327 | 0.0331 | 0.0323 |
| 1.4             | QPSK   | 3  | 1 | 22.36 | 22.33 | 22.32 | 0.0332 | 0.0330 | 0.0329 |
| 1.4             | QPSK   | 3  | 3 | 22.17 | 22.33 | 22.28 | 0.0318 | 0.0330 | 0.0326 |
| 1.4             | QPSK   | 6  | 0 | 21.56 | 21.52 | 21.30 | 0.0276 | 0.0274 | 0.0260 |
| 1.4             | 16QAM  | 1  | 0 | 21.75 | 21.86 | 21.96 | 0.0288 | 0.0296 | 0.0303 |
| 1.4             | 16QAM  | 1  | 3 | 21.86 | 21.82 | 21.81 | 0.0296 | 0.0293 | 0.0292 |
| 1.4             | 16QAM  | 1  | 5 | 21.78 | 21.99 | 21.82 | 0.0290 | 0.0305 | 0.0293 |
| 1.4             | 16QAM  | 3  | 0 | 21.61 | 21.83 | 21.90 | 0.0279 | 0.0294 | 0.0299 |
| 1.4             | 16QAM  | 3  | 1 | 21.79 | 21.73 | 21.65 | 0.0291 | 0.0287 | 0.0282 |
| 1.4             | 16QAM  | 3  | 3 | 21.61 | 21.84 | 21.76 | 0.0279 | 0.0294 | 0.0289 |
| 1.4             | 16QAM  | 6  | 0 | 20.53 | 20.47 | 20.58 | 0.0218 | 0.0215 | 0.0220 |
| 1.4             | 64QAM  | 1  | 0 | 20.39 | 20.56 | 20.38 | 0.0211 | 0.0219 | 0.0210 |
| 1.4             | 64QAM  | 1  | 3 | 20.42 | 20.53 | 20.28 | 0.0212 | 0.0218 | 0.0206 |
| 1.4             | 64QAM  | 1  | 5 | 20.37 | 20.38 | 20.72 | 0.0210 | 0.0210 | 0.0228 |
| 1.4             | 64QAM  | 3  | 0 | 20.34 | 20.40 | 20.33 | 0.0208 | 0.0211 | 0.0208 |
| 1.4             | 64QAM  | 3  | 1 | 20.34 | 20.44 | 20.16 | 0.0208 | 0.0213 | 0.0200 |
| 1.4             | 64QAM  | 3  | 3 | 20.21 | 20.30 | 20.60 | 0.0202 | 0.0207 | 0.0221 |
| 1.4             | 64QAM  | 6  | 0 | 19.58 | 19.39 | 19.71 | 0.0175 | 0.0167 | 0.0180 |
| 1.4             | 256QAM | 1  | 0 | 17.51 | 17.57 | 17.67 | 0.0109 | 0.0110 | 0.0113 |
| 1.4             | 256QAM | 1  | 3 | 17.32 | 17.59 | 17.52 | 0.0104 | 0.0111 | 0.0109 |
| 1.4             | 256QAM | 1  | 5 | 17.29 | 17.68 | 17.64 | 0.0103 | 0.0113 | 0.0112 |
| 1.4             | 256QAM | 3  | 0 | 17.31 | 17.48 | 17.46 | 0.0104 | 0.0108 | 0.0107 |
| 1.4             | 256QAM | 3  | 1 | 17.52 | 17.43 | 17.62 | 0.0109 | 0.0107 | 0.0111 |
| 1.4             | 256QAM | 3  | 3 | 17.64 | 17.56 | 17.50 | 0.0112 | 0.0110 | 0.0108 |
| 1.4             | 256QAM | 6  | 0 | 17.51 | 17.55 | 17.72 | 0.0109 | 0.0110 | 0.0114 |



## LTE Band 13\_ANT0:

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | ERP(W) |        |        |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|--------|--------|--------|
| Channel         |            |         |           | 23230                 |                          |                        |        |        |        |
| Frequency (MHz) |            |         |           | 782                   |                          |                        |        | M      |        |
| 10              | QPSK       | 1       | 0         | 22.69                 | 22.86                    | 22.66                  | 0.0312 | 0.0324 | 0.0310 |
| 10              | QPSK       | 1       | 25        | 22.81                 | 22.73                    | 22.79                  | 0.0321 | 0.0315 | 0.0319 |
| 10              | QPSK       | 1       | 49        | 22.60                 | 22.75                    | 22.75                  | 0.0305 | 0.0316 | 0.0316 |
| 10              | QPSK       | 25      | 0         | 21.89                 | 21.91                    | 21.67                  | 0.0259 | 0.0261 | 0.0247 |
| 10              | QPSK       | 25      | 12        | 21.73                 | 21.78                    | 21.84                  | 0.0250 | 0.0253 | 0.0256 |
| 10              | QPSK       | 25      | 25        | 21.77                 | 21.77                    | 21.63                  | 0.0252 | 0.0252 | 0.0244 |
| 10              | QPSK       | 50      | 0         | 21.78                 | 21.83                    | 21.72                  | 0.0253 | 0.0256 | 0.0249 |
| 10              | 16QAM      | 1       | 0         | 22.05                 | 22.04                    | 22.14                  | 0.0269 | 0.0269 | 0.0275 |
| 10              | 16QAM      | 1       | 25        | 22.10                 | 22.20                    | 22.12                  | 0.0272 | 0.0279 | 0.0274 |
| 10              | 16QAM      | 1       | 49        | 21.97                 | 22.06                    | 22.22                  | 0.0264 | 0.0270 | 0.0280 |
| 10              | 16QAM      | 25      | 0         | 20.64                 | 20.88                    | 20.88                  | 0.0195 | 0.0206 | 0.0206 |
| 10              | 16QAM      | 25      | 12        | 20.67                 | 20.89                    | 20.74                  | 0.0196 | 0.0206 | 0.0199 |
| 10              | 16QAM      | 25      | 25        | 20.70                 | 20.72                    | 20.88                  | 0.0197 | 0.0198 | 0.0206 |
| 10              | 16QAM      | 50      | 0         | 20.87                 | 20.76                    | 20.88                  | 0.0205 | 0.0200 | 0.0206 |
| 10              | 64QAM      | 1       | 0         | 20.68                 | 20.72                    | 20.84                  | 0.0196 | 0.0198 | 0.0204 |
| 10              | 64QAM      | 1       | 25        | 20.77                 | 20.88                    | 20.65                  | 0.0200 | 0.0206 | 0.0195 |
| 10              | 64QAM      | 1       | 49        | 20.66                 | 20.73                    | 20.88                  | 0.0195 | 0.0199 | 0.0206 |
| 10              | 64QAM      | 25      | 0         | 19.72                 | 19.80                    | 19.71                  | 0.0157 | 0.0160 | 0.0157 |
| 10              | 64QAM      | 25      | 12        | 19.71                 | 19.90                    | 19.84                  | 0.0157 | 0.0164 | 0.0162 |
| 10              | 64QAM      | 25      | 25        | 19.83                 | 19.67                    | 19.93                  | 0.0161 | 0.0156 | 0.0165 |
| 10              | 64QAM      | 50      | 0         | 19.81                 | 19.80                    | 19.80                  | 0.0161 | 0.0160 | 0.0160 |
| 10              | 256QAM     | 1       | 0         | 17.65                 | 17.79                    | 17.94                  | 0.0098 | 0.0101 | 0.0104 |
| 10              | 256QAM     | 1       | 25        | 17.80                 | 17.82                    | 17.71                  | 0.0101 | 0.0102 | 0.0099 |
| 10              | 256QAM     | 1       | 49        | 17.62                 | 17.93                    | 17.81                  | 0.0097 | 0.0104 | 0.0101 |
| 10              | 256QAM     | 25      | 0         | 17.74                 | 17.86                    | 17.75                  | 0.0100 | 0.0103 | 0.0100 |
| 10              | 256QAM     | 25      | 12        | 17.79                 | 17.76                    | 17.82                  | 0.0101 | 0.0100 | 0.0102 |
| 10              | 256QAM     | 25      | 25        | 17.86                 | 17.71                    | 17.86                  | 0.0103 | 0.0099 | 0.0103 |
| 10              | 256QAM     | 50      | 0         | 17.83                 | 17.63                    | 17.96                  | 0.0102 | 0.0097 | 0.0105 |
| Channel         |            |         |           | 23205                 | 23230                    | 23255                  | ERP(W) |        |        |
| Frequency (MHz) |            |         |           | 779.5                 | 782                      | 784.5                  | L      | M      | H      |
| 5               | QPSK       | 1       | 0         | 22.65                 | 22.70                    | 22.55                  | 0.0309 | 0.0313 | 0.0302 |
| 5               | QPSK       | 1       | 12        | 22.70                 | 22.64                    | 22.70                  | 0.0313 | 0.0308 | 0.0313 |
| 5               | QPSK       | 1       | 24        | 22.46                 | 22.58                    | 22.69                  | 0.0296 | 0.0304 | 0.0312 |
| 5               | QPSK       | 12      | 0         | 21.76                 | 21.83                    | 21.62                  | 0.0252 | 0.0256 | 0.0244 |
| 5               | QPSK       | 12      | 7         | 21.66                 | 21.60                    | 21.74                  | 0.0246 | 0.0243 | 0.0251 |
| 5               | QPSK       | 12      | 13        | 21.69                 | 21.72                    | 21.53                  | 0.0248 | 0.0249 | 0.0239 |
| 5               | QPSK       | 25      | 0         | 21.75                 | 21.79                    | 21.56                  | 0.0251 | 0.0254 | 0.0240 |
| 5               | 16QAM      | 1       | 0         | 22.00                 | 21.99                    | 22.07                  | 0.0266 | 0.0265 | 0.0270 |
| 5               | 16QAM      | 1       | 12        | 22.04                 | 22.08                    | 22.03                  | 0.0269 | 0.0271 | 0.0268 |
| 5               | 16QAM      | 1       | 24        | 21.94                 | 21.96                    | 22.09                  | 0.0262 | 0.0264 | 0.0272 |



|   |        |    |    |       |       |       |        |        |        |
|---|--------|----|----|-------|-------|-------|--------|--------|--------|
| 5 | 16QAM  | 12 | 0  | 20.52 | 20.72 | 20.82 | 0.0189 | 0.0198 | 0.0203 |
| 5 | 16QAM  | 12 | 7  | 20.61 | 20.87 | 20.63 | 0.0193 | 0.0205 | 0.0194 |
| 5 | 16QAM  | 12 | 13 | 20.63 | 20.57 | 20.78 | 0.0194 | 0.0191 | 0.0201 |
| 5 | 16QAM  | 25 | 0  | 20.84 | 20.61 | 20.81 | 0.0204 | 0.0193 | 0.0202 |
| 5 | 64QAM  | 1  | 0  | 20.59 | 20.62 | 20.72 | 0.0192 | 0.0194 | 0.0198 |
| 5 | 64QAM  | 1  | 12 | 20.66 | 20.83 | 20.59 | 0.0195 | 0.0203 | 0.0192 |
| 5 | 64QAM  | 1  | 24 | 20.48 | 20.62 | 20.77 | 0.0187 | 0.0194 | 0.0200 |
| 5 | 64QAM  | 12 | 0  | 19.58 | 19.67 | 19.53 | 0.0152 | 0.0156 | 0.0151 |
| 5 | 64QAM  | 12 | 7  | 19.68 | 19.85 | 19.70 | 0.0156 | 0.0162 | 0.0157 |
| 5 | 64QAM  | 12 | 13 | 19.72 | 19.53 | 19.81 | 0.0157 | 0.0151 | 0.0161 |
| 5 | 64QAM  | 25 | 0  | 19.72 | 19.71 | 19.75 | 0.0157 | 0.0157 | 0.0158 |
| 5 | 256QAM | 1  | 0  | 17.49 | 17.66 | 17.82 | 0.0094 | 0.0098 | 0.0102 |
| 5 | 256QAM | 1  | 12 | 17.77 | 17.71 | 17.64 | 0.0100 | 0.0099 | 0.0097 |
| 5 | 256QAM | 1  | 24 | 17.58 | 17.77 | 17.66 | 0.0096 | 0.0100 | 0.0098 |
| 5 | 256QAM | 12 | 0  | 17.65 | 17.75 | 17.68 | 0.0098 | 0.0100 | 0.0098 |
| 5 | 256QAM | 12 | 7  | 17.68 | 17.61 | 17.79 | 0.0098 | 0.0097 | 0.0101 |
| 5 | 256QAM | 12 | 13 | 17.76 | 17.66 | 17.74 | 0.0100 | 0.0098 | 0.0100 |
| 5 | 256QAM | 25 | 0  | 17.80 | 17.49 | 17.88 | 0.0101 | 0.0094 | 0.0103 |

## LTE Band 17\_ANT0:

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low<br>Ch. / Freq. | Power Middle<br>Ch. / Freq. | Power High<br>Ch. / Freq. | ERP(W) |        |        |
|-----------------|------------|---------|-----------|--------------------------|-----------------------------|---------------------------|--------|--------|--------|
| Channel         |            |         |           | 23780                    | 23790                       | 23800                     |        |        |        |
| Frequency (MHz) |            |         |           | 709                      | 710                         | 711                       | L      | M      | H      |
| 10              | QPSK       | 1       | 0         | 22.49                    | 22.53                       | 22.47                     | 0.0342 | 0.0345 | 0.0340 |
| 10              | QPSK       | 1       | 25        | 22.37                    | 22.49                       | 22.37                     | 0.0333 | 0.0342 | 0.0333 |
| 10              | QPSK       | 1       | 49        | 22.51                    | 22.41                       | 22.48                     | 0.0344 | 0.0336 | 0.0341 |
| 10              | QPSK       | 25      | 0         | 21.53                    | 21.60                       | 21.53                     | 0.0274 | 0.0279 | 0.0274 |
| 10              | QPSK       | 25      | 12        | 21.51                    | 21.51                       | 21.44                     | 0.0273 | 0.0273 | 0.0269 |
| 10              | QPSK       | 25      | 25        | 21.56                    | 21.42                       | 21.42                     | 0.0276 | 0.0267 | 0.0267 |
| 10              | QPSK       | 50      | 0         | 21.49                    | 21.56                       | 21.39                     | 0.0272 | 0.0276 | 0.0265 |
| 10              | 16QAM      | 1       | 0         | 21.38                    | 21.57                       | 21.40                     | 0.0265 | 0.0277 | 0.0266 |
| 10              | 16QAM      | 1       | 25        | 21.65                    | 21.59                       | 21.58                     | 0.0282 | 0.0278 | 0.0277 |
| 10              | 16QAM      | 1       | 49        | 21.49                    | 21.57                       | 21.52                     | 0.0272 | 0.0277 | 0.0274 |
| 10              | 16QAM      | 25      | 0         | 20.55                    | 20.67                       | 20.55                     | 0.0219 | 0.0225 | 0.0219 |
| 10              | 16QAM      | 25      | 12        | 20.55                    | 20.66                       | 20.37                     | 0.0219 | 0.0224 | 0.0210 |
| 10              | 16QAM      | 25      | 25        | 20.57                    | 20.72                       | 20.37                     | 0.0220 | 0.0228 | 0.0210 |
| 10              | 16QAM      | 50      | 0         | 20.44                    | 20.48                       | 20.42                     | 0.0213 | 0.0215 | 0.0212 |
| 10              | 64QAM      | 1       | 0         | 20.51                    | 20.53                       | 20.45                     | 0.0217 | 0.0218 | 0.0214 |
| 10              | 64QAM      | 1       | 25        | 20.44                    | 20.42                       | 20.55                     | 0.0213 | 0.0212 | 0.0219 |
| 10              | 64QAM      | 1       | 49        | 20.52                    | 20.46                       | 20.33                     | 0.0217 | 0.0214 | 0.0208 |
| 10              | 64QAM      | 25      | 0         | 19.42                    | 19.57                       | 19.46                     | 0.0169 | 0.0175 | 0.0170 |
| 10              | 64QAM      | 25      | 12        | 19.47                    | 19.48                       | 19.60                     | 0.0171 | 0.0171 | 0.0176 |
| 10              | 64QAM      | 25      | 25        | 19.50                    | 19.44                       | 19.45                     | 0.0172 | 0.0169 | 0.0170 |
| 10              | 64QAM      | 50      | 0         | 19.56                    | 19.43                       | 19.42                     | 0.0174 | 0.0169 | 0.0169 |



|                 |        |    |    |       |       |       |        |        |        |
|-----------------|--------|----|----|-------|-------|-------|--------|--------|--------|
| 10              | 256QAM | 1  | 0  | 17.51 | 17.49 | 17.34 | 0.0109 | 0.0108 | 0.0104 |
| 10              | 256QAM | 1  | 25 | 17.49 | 17.66 | 17.56 | 0.0108 | 0.0112 | 0.0110 |
| 10              | 256QAM | 1  | 49 | 17.41 | 17.46 | 17.35 | 0.0106 | 0.0107 | 0.0105 |
| 10              | 256QAM | 25 | 0  | 17.43 | 17.39 | 17.56 | 0.0107 | 0.0106 | 0.0110 |
| 10              | 256QAM | 25 | 12 | 17.54 | 17.46 | 17.40 | 0.0109 | 0.0107 | 0.0106 |
| 10              | 256QAM | 25 | 25 | 17.54 | 17.49 | 17.57 | 0.0109 | 0.0108 | 0.0110 |
| 10              | 256QAM | 50 | 0  | 17.62 | 17.52 | 17.44 | 0.0111 | 0.0109 | 0.0107 |
| Channel         |        |    |    | 23755 | 23790 | 23825 | ERP(W) |        |        |
| Frequency (MHz) |        |    |    | 706.5 | 710   | 713.5 | L      | M      | H      |
| 5               | QPSK   | 1  | 0  | 22.34 | 22.41 | 22.34 | 0.0330 | 0.0336 | 0.0330 |
| 5               | QPSK   | 1  | 12 | 22.27 | 22.36 | 22.24 | 0.0325 | 0.0332 | 0.0323 |
| 5               | QPSK   | 1  | 24 | 22.44 | 22.30 | 22.43 | 0.0338 | 0.0327 | 0.0337 |
| 5               | QPSK   | 12 | 0  | 21.44 | 21.55 | 21.36 | 0.0269 | 0.0275 | 0.0264 |
| 5               | QPSK   | 12 | 7  | 21.38 | 21.40 | 21.41 | 0.0265 | 0.0266 | 0.0267 |
| 5               | QPSK   | 12 | 13 | 21.43 | 21.30 | 21.32 | 0.0268 | 0.0260 | 0.0261 |
| 5               | QPSK   | 25 | 0  | 21.33 | 21.49 | 21.31 | 0.0262 | 0.0272 | 0.0261 |
| 5               | 16QAM  | 1  | 0  | 21.32 | 21.53 | 21.31 | 0.0261 | 0.0274 | 0.0261 |
| 5               | 16QAM  | 1  | 12 | 21.57 | 21.43 | 21.50 | 0.0277 | 0.0268 | 0.0272 |
| 5               | 16QAM  | 1  | 24 | 21.40 | 21.43 | 21.43 | 0.0266 | 0.0268 | 0.0268 |
| 5               | 16QAM  | 12 | 0  | 20.53 | 20.64 | 20.44 | 0.0218 | 0.0223 | 0.0213 |
| 5               | 16QAM  | 12 | 7  | 20.42 | 20.52 | 20.29 | 0.0212 | 0.0217 | 0.0206 |
| 5               | 16QAM  | 12 | 13 | 20.45 | 20.57 | 20.20 | 0.0214 | 0.0220 | 0.0202 |
| 5               | 16QAM  | 25 | 0  | 20.30 | 20.37 | 20.33 | 0.0207 | 0.0210 | 0.0208 |
| 5               | 64QAM  | 1  | 0  | 20.34 | 20.44 | 20.40 | 0.0208 | 0.0213 | 0.0211 |
| 5               | 64QAM  | 1  | 12 | 20.33 | 20.29 | 20.38 | 0.0208 | 0.0206 | 0.0210 |
| 5               | 64QAM  | 1  | 24 | 20.41 | 20.39 | 20.16 | 0.0212 | 0.0211 | 0.0200 |
| 5               | 64QAM  | 12 | 0  | 19.31 | 19.53 | 19.39 | 0.0164 | 0.0173 | 0.0167 |
| 5               | 64QAM  | 12 | 7  | 19.43 | 19.42 | 19.51 | 0.0169 | 0.0169 | 0.0172 |
| 5               | 64QAM  | 12 | 13 | 19.47 | 19.33 | 19.39 | 0.0171 | 0.0165 | 0.0167 |
| 5               | 64QAM  | 25 | 0  | 19.49 | 19.34 | 19.38 | 0.0171 | 0.0166 | 0.0167 |
| 5               | 256QAM | 1  | 0  | 17.42 | 17.40 | 17.29 | 0.0106 | 0.0106 | 0.0103 |
| 5               | 256QAM | 1  | 12 | 17.32 | 17.52 | 17.43 | 0.0104 | 0.0109 | 0.0107 |
| 5               | 256QAM | 1  | 24 | 17.34 | 17.41 | 17.17 | 0.0104 | 0.0106 | 0.0100 |
| 5               | 256QAM | 12 | 0  | 17.26 | 17.28 | 17.39 | 0.0103 | 0.0103 | 0.0106 |
| 5               | 256QAM | 12 | 7  | 17.42 | 17.35 | 17.27 | 0.0106 | 0.0105 | 0.0103 |
| 5               | 256QAM | 12 | 13 | 17.41 | 17.40 | 17.50 | 0.0106 | 0.0106 | 0.0108 |
| 5               | 256QAM | 25 | 0  | 17.53 | 17.38 | 17.38 | 0.0109 | 0.0105 | 0.0105 |



## LTE Band 38\_ANT4:

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | EIRP(W) |        |        |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------|--------|--------|
| Channel         |            |         |           | 37850                 | 38000                    | 38150                  |         |        |        |
| Frequency (MHz) |            |         |           | 2580                  | 2595                     | 2610                   | L       | M      | H      |
| 20              | QPSK       | 1       | 0         | 22.80                 | 22.96                    | 22.91                  | 0.1175  | 0.1219 | 0.1205 |
| 20              | QPSK       | 1       | 49        | 22.71                 | 22.75                    | 22.80                  | 0.1151  | 0.1161 | 0.1175 |
| 20              | QPSK       | 1       | 99        | 22.68                 | 22.85                    | 22.87                  | 0.1143  | 0.1189 | 0.1194 |
| 20              | QPSK       | 50      | 0         | 21.80                 | 22.08                    | 21.94                  | 0.0933  | 0.0995 | 0.0964 |
| 20              | QPSK       | 50      | 24        | 21.76                 | 22.05                    | 21.80                  | 0.0925  | 0.0989 | 0.0933 |
| 20              | QPSK       | 50      | 50        | 21.83                 | 21.90                    | 21.83                  | 0.0940  | 0.0955 | 0.0940 |
| 20              | QPSK       | 100     | 0         | 21.75                 | 21.86                    | 21.78                  | 0.0923  | 0.0946 | 0.0929 |
| 20              | 16QAM      | 1       | 0         | 21.73                 | 21.94                    | 21.88                  | 0.0918  | 0.0964 | 0.0951 |
| 20              | 16QAM      | 1       | 49        | 21.78                 | 21.63                    | 21.89                  | 0.0929  | 0.0897 | 0.0953 |
| 20              | 16QAM      | 1       | 99        | 21.75                 | 21.75                    | 21.86                  | 0.0923  | 0.0923 | 0.0946 |
| 20              | 16QAM      | 50      | 0         | 20.85                 | 20.86                    | 20.96                  | 0.0750  | 0.0752 | 0.0769 |
| 20              | 16QAM      | 50      | 24        | 20.74                 | 20.67                    | 20.83                  | 0.0731  | 0.0719 | 0.0746 |
| 20              | 16QAM      | 50      | 50        | 20.67                 | 20.76                    | 20.97                  | 0.0719  | 0.0735 | 0.0771 |
| 20              | 16QAM      | 100     | 0         | 20.73                 | 20.90                    | 20.84                  | 0.0729  | 0.0759 | 0.0748 |
| 20              | 64QAM      | 1       | 0         | 20.85                 | 21.08                    | 20.82                  | 0.0750  | 0.0791 | 0.0745 |
| 20              | 64QAM      | 1       | 49        | 20.66                 | 20.71                    | 20.85                  | 0.0718  | 0.0726 | 0.0750 |
| 20              | 64QAM      | 1       | 99        | 20.66                 | 20.88                    | 20.81                  | 0.0718  | 0.0755 | 0.0743 |
| 20              | 64QAM      | 50      | 0         | 19.80                 | 20.02                    | 19.98                  | 0.0589  | 0.0619 | 0.0614 |
| 20              | 64QAM      | 50      | 24        | 19.84                 | 20.02                    | 19.81                  | 0.0594  | 0.0619 | 0.0590 |
| 20              | 64QAM      | 50      | 50        | 19.68                 | 19.75                    | 19.82                  | 0.0573  | 0.0582 | 0.0592 |
| 20              | 64QAM      | 100     | 0         | 19.57                 | 19.80                    | 19.86                  | 0.0558  | 0.0589 | 0.0597 |
| 20              | 256QAM     | 1       | 0         | 17.70                 | 17.89                    | 18.02                  | 0.0363  | 0.0379 | 0.0391 |
| 20              | 256QAM     | 1       | 49        | 17.66                 | 17.83                    | 17.71                  | 0.0360  | 0.0374 | 0.0364 |
| 20              | 256QAM     | 1       | 99        | 17.62                 | 17.75                    | 17.77                  | 0.0356  | 0.0367 | 0.0369 |
| 20              | 256QAM     | 50      | 0         | 17.88                 | 17.96                    | 17.79                  | 0.0378  | 0.0385 | 0.0371 |
| 20              | 256QAM     | 50      | 24        | 17.88                 | 17.88                    | 17.90                  | 0.0378  | 0.0378 | 0.0380 |
| 20              | 256QAM     | 50      | 50        | 17.73                 | 17.71                    | 17.73                  | 0.0366  | 0.0364 | 0.0366 |
| 20              | 256QAM     | 100     | 0         | 17.78                 | 17.80                    | 17.87                  | 0.0370  | 0.0372 | 0.0378 |
| Channel         |            |         |           | 37825                 | 38000                    | 38175                  | EIRP(W) |        |        |
| Frequency (MHz) |            |         |           | 2577.5                | 2595                     | 2612.5                 | L       | M      | H      |
| 15              | QPSK       | 1       | 0         | 22.66                 | 22.90                    | 22.73                  | 0.1138  | 0.1202 | 0.1156 |
| 15              | QPSK       | 1       | 37        | 22.64                 | 22.53                    | 22.67                  | 0.1132  | 0.1104 | 0.1140 |
| 15              | QPSK       | 1       | 74        | 22.53                 | 22.76                    | 22.84                  | 0.1104  | 0.1164 | 0.1186 |
| 15              | QPSK       | 36      | 0         | 21.60                 | 21.94                    | 21.93                  | 0.0891  | 0.0964 | 0.0962 |
| 15              | QPSK       | 36      | 20        | 21.72                 | 21.91                    | 21.63                  | 0.0916  | 0.0957 | 0.0897 |
| 15              | QPSK       | 36      | 39        | 21.76                 | 21.86                    | 21.80                  | 0.0925  | 0.0946 | 0.0933 |
| 15              | QPSK       | 75      | 0         | 21.71                 | 21.69                    | 21.62                  | 0.0914  | 0.0910 | 0.0895 |
| 15              | 16QAM      | 1       | 0         | 21.51                 | 21.77                    | 21.67                  | 0.0873  | 0.0927 | 0.0906 |
| 15              | 16QAM      | 1       | 37        | 21.65                 | 21.55                    | 21.74                  | 0.0902  | 0.0881 | 0.0920 |
| 15              | 16QAM      | 1       | 74        | 21.53                 | 21.58                    | 21.83                  | 0.0877  | 0.0887 | 0.0940 |
| 15              | 16QAM      | 36      | 0         | 20.65                 | 20.81                    | 20.87                  | 0.0716  | 0.0743 | 0.0753 |
| 15              | 16QAM      | 36      | 20        | 20.72                 | 20.49                    | 20.67                  | 0.0728  | 0.0690 | 0.0719 |



|                 |        |    |    |        |       |        |         |        |        |
|-----------------|--------|----|----|--------|-------|--------|---------|--------|--------|
| 15              | 16QAM  | 36 | 39 | 20.63  | 20.59 | 20.84  | 0.0713  | 0.0706 | 0.0748 |
| 15              | 16QAM  | 75 | 0  | 20.71  | 20.76 | 20.79  | 0.0726  | 0.0735 | 0.0740 |
| 15              | 64QAM  | 1  | 0  | 20.66  | 20.91 | 20.70  | 0.0718  | 0.0760 | 0.0724 |
| 15              | 64QAM  | 1  | 37 | 20.68  | 20.57 | 20.74  | 0.0721  | 0.0703 | 0.0731 |
| 15              | 64QAM  | 1  | 74 | 20.64  | 20.84 | 20.73  | 0.0714  | 0.0748 | 0.0729 |
| 15              | 64QAM  | 36 | 0  | 19.79  | 20.03 | 19.83  | 0.0587  | 0.0621 | 0.0593 |
| 15              | 64QAM  | 36 | 20 | 19.80  | 19.83 | 19.80  | 0.0589  | 0.0593 | 0.0589 |
| 15              | 64QAM  | 36 | 39 | 19.53  | 19.56 | 19.64  | 0.0553  | 0.0557 | 0.0568 |
| 15              | 64QAM  | 75 | 0  | 19.41  | 19.70 | 19.82  | 0.0538  | 0.0575 | 0.0592 |
| 15              | 256QAM | 1  | 0  | 17.62  | 17.76 | 17.86  | 0.0356  | 0.0368 | 0.0377 |
| 15              | 256QAM | 1  | 37 | 17.49  | 17.65 | 17.62  | 0.0346  | 0.0359 | 0.0356 |
| 15              | 256QAM | 1  | 74 | 17.50  | 17.60 | 17.64  | 0.0347  | 0.0355 | 0.0358 |
| 15              | 256QAM | 36 | 0  | 17.79  | 17.81 | 17.77  | 0.0371  | 0.0372 | 0.0369 |
| 15              | 256QAM | 36 | 20 | 17.82  | 17.79 | 17.88  | 0.0373  | 0.0371 | 0.0378 |
| 15              | 256QAM | 36 | 39 | 17.55  | 17.54 | 17.73  | 0.0351  | 0.0350 | 0.0366 |
| 15              | 256QAM | 75 | 0  | 17.57  | 17.79 | 17.80  | 0.0352  | 0.0371 | 0.0372 |
| Channel         |        |    |    | 37800  | 38000 | 38200  | EIRP(W) |        |        |
| Frequency (MHz) |        |    |    | 2575   | 2595  | 2615   | L       | M      | H      |
| 10              | QPSK   | 1  | 0  | 22.82  | 22.93 | 22.88  | 0.1180  | 0.1211 | 0.1197 |
| 10              | QPSK   | 1  | 25 | 22.61  | 22.64 | 22.64  | 0.1125  | 0.1132 | 0.1132 |
| 10              | QPSK   | 1  | 49 | 22.48  | 22.71 | 22.84  | 0.1091  | 0.1151 | 0.1186 |
| 10              | QPSK   | 25 | 0  | 21.64  | 21.90 | 21.85  | 0.0899  | 0.0955 | 0.0944 |
| 10              | QPSK   | 25 | 12 | 21.73  | 22.00 | 21.80  | 0.0918  | 0.0977 | 0.0933 |
| 10              | QPSK   | 25 | 25 | 21.71  | 21.91 | 21.82  | 0.0914  | 0.0957 | 0.0938 |
| 10              | QPSK   | 50 | 0  | 21.75  | 21.69 | 21.58  | 0.0923  | 0.0910 | 0.0887 |
| 10              | 16QAM  | 1  | 0  | 21.57  | 21.75 | 21.83  | 0.0885  | 0.0923 | 0.0940 |
| 10              | 16QAM  | 1  | 25 | 21.73  | 21.57 | 21.74  | 0.0918  | 0.0885 | 0.0920 |
| 10              | 16QAM  | 1  | 49 | 21.73  | 21.54 | 21.81  | 0.0918  | 0.0879 | 0.0935 |
| 10              | 16QAM  | 25 | 0  | 20.84  | 20.66 | 20.81  | 0.0748  | 0.0718 | 0.0743 |
| 10              | 16QAM  | 25 | 12 | 20.69  | 20.67 | 20.80  | 0.0723  | 0.0719 | 0.0741 |
| 10              | 16QAM  | 25 | 25 | 20.47  | 20.67 | 20.92  | 0.0687  | 0.0719 | 0.0762 |
| 10              | 16QAM  | 50 | 0  | 20.75  | 20.68 | 20.72  | 0.0733  | 0.0721 | 0.0728 |
| 10              | 64QAM  | 1  | 0  | 20.71  | 20.96 | 20.62  | 0.0726  | 0.0769 | 0.0711 |
| 10              | 64QAM  | 1  | 25 | 20.47  | 20.52 | 20.83  | 0.0687  | 0.0695 | 0.0746 |
| 10              | 64QAM  | 1  | 49 | 20.67  | 20.84 | 20.64  | 0.0719  | 0.0748 | 0.0714 |
| 10              | 64QAM  | 25 | 0  | 19.58  | 19.84 | 19.82  | 0.0560  | 0.0594 | 0.0592 |
| 10              | 64QAM  | 25 | 12 | 19.78  | 19.99 | 19.70  | 0.0586  | 0.0615 | 0.0575 |
| 10              | 64QAM  | 25 | 25 | 19.64  | 19.53 | 19.83  | 0.0568  | 0.0553 | 0.0593 |
| 10              | 64QAM  | 50 | 0  | 19.56  | 19.81 | 19.64  | 0.0557  | 0.0590 | 0.0568 |
| 10              | 256QAM | 1  | 0  | 17.51  | 17.74 | 17.86  | 0.0348  | 0.0366 | 0.0377 |
| 10              | 256QAM | 1  | 25 | 17.44  | 17.62 | 17.50  | 0.0342  | 0.0356 | 0.0347 |
| 10              | 256QAM | 1  | 49 | 17.53  | 17.57 | 17.72  | 0.0349  | 0.0352 | 0.0365 |
| 10              | 256QAM | 25 | 0  | 17.81  | 17.79 | 17.69  | 0.0372  | 0.0371 | 0.0362 |
| 10              | 256QAM | 25 | 12 | 17.80  | 17.89 | 17.70  | 0.0372  | 0.0379 | 0.0363 |
| 10              | 256QAM | 25 | 25 | 17.55  | 17.50 | 17.55  | 0.0351  | 0.0347 | 0.0351 |
| 10              | 256QAM | 50 | 0  | 17.62  | 17.65 | 17.83  | 0.0356  | 0.0359 | 0.0374 |
| Channel         |        |    |    | 37775  | 38000 | 38225  | EIRP(W) |        |        |
| Frequency (MHz) |        |    |    | 2572.5 | 2595  | 2617.5 | L       | M      | H      |



|   |        |    |    |       |       |       |        |        |        |
|---|--------|----|----|-------|-------|-------|--------|--------|--------|
| 5 | QPSK   | 1  | 0  | 22.72 | 22.85 | 22.70 | 0.1153 | 0.1189 | 0.1148 |
| 5 | QPSK   | 1  | 12 | 22.67 | 22.58 | 22.73 | 0.1140 | 0.1117 | 0.1156 |
| 5 | QPSK   | 1  | 24 | 22.60 | 22.86 | 22.67 | 0.1122 | 0.1191 | 0.1140 |
| 5 | QPSK   | 12 | 0  | 21.77 | 22.04 | 21.95 | 0.0927 | 0.0986 | 0.0966 |
| 5 | QPSK   | 12 | 7  | 21.71 | 22.02 | 21.65 | 0.0914 | 0.0982 | 0.0902 |
| 5 | QPSK   | 12 | 13 | 21.81 | 21.72 | 21.61 | 0.0935 | 0.0916 | 0.0893 |
| 5 | QPSK   | 25 | 0  | 21.70 | 21.87 | 21.75 | 0.0912 | 0.0948 | 0.0923 |
| 5 | 16QAM  | 1  | 0  | 21.55 | 21.88 | 21.67 | 0.0881 | 0.0951 | 0.0906 |
| 5 | 16QAM  | 1  | 12 | 21.61 | 21.54 | 21.77 | 0.0893 | 0.0879 | 0.0927 |
| 5 | 16QAM  | 1  | 24 | 21.53 | 21.65 | 21.85 | 0.0877 | 0.0902 | 0.0944 |
| 5 | 16QAM  | 12 | 0  | 20.80 | 20.77 | 20.94 | 0.0741 | 0.0736 | 0.0766 |
| 5 | 16QAM  | 12 | 7  | 20.66 | 20.52 | 20.74 | 0.0718 | 0.0695 | 0.0731 |
| 5 | 16QAM  | 12 | 13 | 20.49 | 20.75 | 20.83 | 0.0690 | 0.0733 | 0.0746 |
| 5 | 16QAM  | 25 | 0  | 20.69 | 20.80 | 20.64 | 0.0723 | 0.0741 | 0.0714 |
| 5 | 64QAM  | 1  | 0  | 20.80 | 20.86 | 20.81 | 0.0741 | 0.0752 | 0.0743 |
| 5 | 64QAM  | 1  | 12 | 20.64 | 20.71 | 20.78 | 0.0714 | 0.0726 | 0.0738 |
| 5 | 64QAM  | 1  | 24 | 20.67 | 20.82 | 20.80 | 0.0719 | 0.0745 | 0.0741 |
| 5 | 64QAM  | 12 | 0  | 19.75 | 19.93 | 19.92 | 0.0582 | 0.0607 | 0.0605 |
| 5 | 64QAM  | 12 | 7  | 19.72 | 19.95 | 19.68 | 0.0578 | 0.0610 | 0.0573 |
| 5 | 64QAM  | 12 | 13 | 19.60 | 19.71 | 19.77 | 0.0562 | 0.0577 | 0.0585 |
| 5 | 64QAM  | 25 | 0  | 19.46 | 19.71 | 19.67 | 0.0545 | 0.0577 | 0.0571 |
| 5 | 256QAM | 1  | 0  | 17.51 | 17.89 | 17.97 | 0.0348 | 0.0379 | 0.0386 |
| 5 | 256QAM | 1  | 12 | 17.63 | 17.76 | 17.55 | 0.0357 | 0.0368 | 0.0351 |
| 5 | 256QAM | 1  | 24 | 17.49 | 17.58 | 17.64 | 0.0346 | 0.0353 | 0.0358 |
| 5 | 256QAM | 12 | 0  | 17.71 | 17.88 | 17.76 | 0.0364 | 0.0378 | 0.0368 |
| 5 | 256QAM | 12 | 7  | 17.71 | 17.67 | 17.81 | 0.0364 | 0.0361 | 0.0372 |
| 5 | 256QAM | 12 | 13 | 17.51 | 17.61 | 17.70 | 0.0348 | 0.0356 | 0.0363 |
| 5 | 256QAM | 25 | 0  | 17.74 | 17.66 | 17.71 | 0.0366 | 0.0360 | 0.0364 |

**LTE Band 41\_ANT4:**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | EIRP(W) |        |        |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------|--------|--------|
| Channel         |            |         |           | 39750                 | 40620                    | 41490                  |         |        |        |
| Frequency (MHz) |            |         |           | 2506                  | 2593                     | 2680                   | L       | M      | H      |
| 20              | QPSK       | 1       | 0         | 22.87                 | 22.99                    | 22.65                  | 0.1194  | 0.1227 | 0.1135 |
| 20              | QPSK       | 1       | 49        | 22.87                 | 22.79                    | 22.59                  | 0.1194  | 0.1172 | 0.1119 |
| 20              | QPSK       | 1       | 99        | 22.73                 | 22.70                    | 22.53                  | 0.1156  | 0.1148 | 0.1104 |
| 20              | QPSK       | 50      | 0         | 21.84                 | 21.98                    | 21.71                  | 0.0942  | 0.0973 | 0.0914 |
| 20              | QPSK       | 50      | 24        | 21.82                 | 21.87                    | 21.66                  | 0.0938  | 0.0948 | 0.0904 |
| 20              | QPSK       | 50      | 50        | 21.76                 | 21.77                    | 21.61                  | 0.0925  | 0.0927 | 0.0893 |
| 20              | QPSK       | 100     | 0         | 21.73                 | 21.82                    | 21.52                  | 0.0918  | 0.0938 | 0.0875 |
| 20              | 16QAM      | 1       | 0         | 21.90                 | 21.77                    | 21.54                  | 0.0955  | 0.0927 | 0.0879 |
| 20              | 16QAM      | 1       | 49        | 21.88                 | 21.71                    | 21.54                  | 0.0951  | 0.0914 | 0.0879 |
| 20              | 16QAM      | 1       | 99        | 21.80                 | 21.70                    | 21.45                  | 0.0933  | 0.0912 | 0.0861 |
| 20              | 16QAM      | 50      | 0         | 20.95                 | 20.81                    | 20.58                  | 0.0767  | 0.0743 | 0.0705 |
| 20              | 16QAM      | 50      | 24        | 20.83                 | 20.81                    | 20.65                  | 0.0746  | 0.0743 | 0.0716 |



|                 |        |     |    |        |       |        |         |        |        |
|-----------------|--------|-----|----|--------|-------|--------|---------|--------|--------|
| 20              | 16QAM  | 50  | 50 | 20.80  | 20.73 | 20.66  | 0.0741  | 0.0729 | 0.0718 |
| 20              | 16QAM  | 100 | 0  | 20.64  | 20.77 | 20.58  | 0.0714  | 0.0736 | 0.0705 |
| 20              | 64QAM  | 1   | 0  | 20.74  | 20.70 | 20.60  | 0.0731  | 0.0724 | 0.0708 |
| 20              | 64QAM  | 1   | 49 | 20.70  | 20.79 | 20.52  | 0.0724  | 0.0740 | 0.0695 |
| 20              | 64QAM  | 1   | 99 | 20.78  | 20.71 | 20.44  | 0.0738  | 0.0726 | 0.0682 |
| 20              | 64QAM  | 50  | 0  | 19.77  | 19.94 | 19.66  | 0.0585  | 0.0608 | 0.0570 |
| 20              | 64QAM  | 50  | 24 | 19.85  | 19.95 | 19.74  | 0.0596  | 0.0610 | 0.0581 |
| 20              | 64QAM  | 50  | 50 | 19.89  | 19.79 | 19.45  | 0.0601  | 0.0587 | 0.0543 |
| 20              | 64QAM  | 100 | 0  | 19.80  | 19.76 | 19.56  | 0.0589  | 0.0583 | 0.0557 |
| 20              | 256QAM | 1   | 0  | 17.88  | 17.75 | 17.59  | 0.0378  | 0.0367 | 0.0354 |
| 20              | 256QAM | 1   | 49 | 17.86  | 17.85 | 17.51  | 0.0377  | 0.0376 | 0.0348 |
| 20              | 256QAM | 1   | 99 | 17.63  | 17.81 | 17.50  | 0.0357  | 0.0372 | 0.0347 |
| 20              | 256QAM | 50  | 0  | 17.82  | 17.88 | 17.67  | 0.0373  | 0.0378 | 0.0361 |
| 20              | 256QAM | 50  | 24 | 17.96  | 17.75 | 17.56  | 0.0385  | 0.0367 | 0.0352 |
| 20              | 256QAM | 50  | 50 | 17.77  | 17.68 | 17.61  | 0.0369  | 0.0361 | 0.0356 |
| 20              | 256QAM | 100 | 0  | 17.69  | 17.76 | 17.54  | 0.0362  | 0.0368 | 0.0350 |
| Channel         |        |     |    | 39725  | 40620 | 41515  | EIRP(W) |        |        |
| Frequency (MHz) |        |     |    | 2503.5 | 2593  | 2682.5 | L       | M      | H      |
| 15              | QPSK   | 1   | 0  | 22.80  | 22.87 | 22.69  | 0.1175  | 0.1194 | 0.1146 |
| 15              | QPSK   | 1   | 37 | 22.82  | 22.79 | 22.48  | 0.1180  | 0.1172 | 0.1091 |
| 15              | QPSK   | 1   | 74 | 22.67  | 22.71 | 22.49  | 0.1140  | 0.1151 | 0.1094 |
| 15              | QPSK   | 36  | 0  | 21.71  | 21.91 | 21.68  | 0.0914  | 0.0957 | 0.0908 |
| 15              | QPSK   | 36  | 20 | 21.83  | 21.81 | 21.67  | 0.0940  | 0.0935 | 0.0906 |
| 15              | QPSK   | 36  | 39 | 21.79  | 21.72 | 21.56  | 0.0931  | 0.0916 | 0.0883 |
| 15              | QPSK   | 75  | 0  | 21.65  | 21.79 | 21.51  | 0.0902  | 0.0931 | 0.0873 |
| 15              | 16QAM  | 1   | 0  | 21.91  | 21.75 | 21.48  | 0.0957  | 0.0923 | 0.0867 |
| 15              | 16QAM  | 1   | 37 | 21.87  | 21.71 | 21.48  | 0.0948  | 0.0914 | 0.0867 |
| 15              | 16QAM  | 1   | 74 | 21.72  | 21.60 | 21.41  | 0.0916  | 0.0891 | 0.0853 |
| 15              | 16QAM  | 36  | 0  | 20.95  | 20.82 | 20.55  | 0.0767  | 0.0745 | 0.0700 |
| 15              | 16QAM  | 36  | 20 | 20.71  | 20.72 | 20.66  | 0.0726  | 0.0728 | 0.0718 |
| 15              | 16QAM  | 36  | 39 | 20.66  | 20.63 | 20.58  | 0.0718  | 0.0713 | 0.0705 |
| 15              | 16QAM  | 75  | 0  | 20.60  | 20.75 | 20.58  | 0.0708  | 0.0733 | 0.0705 |
| 15              | 64QAM  | 1   | 0  | 20.74  | 20.70 | 20.47  | 0.0731  | 0.0724 | 0.0687 |
| 15              | 64QAM  | 1   | 37 | 20.63  | 20.77 | 20.56  | 0.0713  | 0.0736 | 0.0701 |
| 15              | 64QAM  | 1   | 74 | 20.72  | 20.63 | 20.42  | 0.0728  | 0.0713 | 0.0679 |
| 15              | 64QAM  | 36  | 0  | 19.68  | 19.79 | 19.61  | 0.0573  | 0.0587 | 0.0564 |
| 15              | 64QAM  | 36  | 20 | 19.72  | 19.92 | 19.65  | 0.0578  | 0.0605 | 0.0569 |
| 15              | 64QAM  | 36  | 39 | 19.84  | 19.68 | 19.49  | 0.0594  | 0.0573 | 0.0548 |
| 15              | 64QAM  | 75  | 0  | 19.82  | 19.70 | 19.53  | 0.0592  | 0.0575 | 0.0553 |
| 15              | 256QAM | 1   | 0  | 17.82  | 17.75 | 17.46  | 0.0373  | 0.0367 | 0.0344 |
| 15              | 256QAM | 1   | 37 | 17.74  | 17.85 | 17.53  | 0.0366  | 0.0376 | 0.0349 |
| 15              | 256QAM | 1   | 74 | 17.57  | 17.79 | 17.51  | 0.0352  | 0.0371 | 0.0348 |
| 15              | 256QAM | 36  | 0  | 17.68  | 17.73 | 17.67  | 0.0361  | 0.0366 | 0.0361 |
| 15              | 256QAM | 36  | 20 | 17.95  | 17.77 | 17.48  | 0.0385  | 0.0369 | 0.0345 |
| 15              | 256QAM | 36  | 39 | 17.68  | 17.55 | 17.50  | 0.0361  | 0.0351 | 0.0347 |
| 15              | 256QAM | 75  | 0  | 17.65  | 17.65 | 17.47  | 0.0359  | 0.0359 | 0.0344 |
| Channel         |        |     |    | 39700  | 40620 | 41540  | EIRP(W) |        |        |
| Frequency (MHz) |        |     |    | 2501   | 2593  | 2685   | L       | M      | H      |



|                 |        |    |    |        |       |        |         |        |        |
|-----------------|--------|----|----|--------|-------|--------|---------|--------|--------|
| 10              | QPSK   | 1  | 0  | 22.89  | 22.76 | 22.54  | 0.1199  | 0.1164 | 0.1107 |
| 10              | QPSK   | 1  | 25 | 22.85  | 22.65 | 22.54  | 0.1189  | 0.1135 | 0.1107 |
| 10              | QPSK   | 1  | 49 | 22.63  | 22.71 | 22.46  | 0.1130  | 0.1151 | 0.1086 |
| 10              | QPSK   | 25 | 0  | 21.71  | 21.92 | 21.57  | 0.0914  | 0.0959 | 0.0885 |
| 10              | QPSK   | 25 | 12 | 21.87  | 21.83 | 21.69  | 0.0948  | 0.0940 | 0.0910 |
| 10              | QPSK   | 25 | 25 | 21.69  | 21.76 | 21.49  | 0.0910  | 0.0925 | 0.0869 |
| 10              | QPSK   | 50 | 0  | 21.67  | 21.71 | 21.52  | 0.0906  | 0.0914 | 0.0875 |
| 10              | 16QAM  | 1  | 0  | 21.83  | 21.76 | 21.40  | 0.0940  | 0.0925 | 0.0851 |
| 10              | 16QAM  | 1  | 25 | 21.83  | 21.70 | 21.47  | 0.0940  | 0.0912 | 0.0865 |
| 10              | 16QAM  | 1  | 49 | 21.79  | 21.65 | 21.39  | 0.0931  | 0.0902 | 0.0849 |
| 10              | 16QAM  | 25 | 0  | 20.80  | 20.78 | 20.51  | 0.0741  | 0.0738 | 0.0693 |
| 10              | 16QAM  | 25 | 12 | 20.69  | 20.82 | 20.64  | 0.0723  | 0.0745 | 0.0714 |
| 10              | 16QAM  | 25 | 25 | 20.77  | 20.64 | 20.58  | 0.0736  | 0.0714 | 0.0705 |
| 10              | 16QAM  | 50 | 0  | 20.64  | 20.73 | 20.45  | 0.0714  | 0.0729 | 0.0684 |
| 10              | 64QAM  | 1  | 0  | 20.75  | 20.70 | 20.57  | 0.0733  | 0.0724 | 0.0703 |
| 10              | 64QAM  | 1  | 25 | 20.58  | 20.65 | 20.45  | 0.0705  | 0.0716 | 0.0684 |
| 10              | 64QAM  | 1  | 49 | 20.76  | 20.66 | 20.34  | 0.0735  | 0.0718 | 0.0667 |
| 10              | 64QAM  | 25 | 0  | 19.80  | 19.83 | 19.69  | 0.0589  | 0.0593 | 0.0574 |
| 10              | 64QAM  | 25 | 12 | 19.71  | 19.87 | 19.71  | 0.0577  | 0.0598 | 0.0577 |
| 10              | 64QAM  | 25 | 25 | 19.83  | 19.74 | 19.49  | 0.0593  | 0.0581 | 0.0548 |
| 10              | 64QAM  | 50 | 0  | 19.74  | 19.77 | 19.52  | 0.0581  | 0.0585 | 0.0552 |
| 10              | 256QAM | 1  | 0  | 17.79  | 17.78 | 17.57  | 0.0371  | 0.0370 | 0.0352 |
| 10              | 256QAM | 1  | 25 | 17.78  | 17.84 | 17.54  | 0.0370  | 0.0375 | 0.0350 |
| 10              | 256QAM | 1  | 49 | 17.64  | 17.68 | 17.55  | 0.0358  | 0.0361 | 0.0351 |
| 10              | 256QAM | 25 | 0  | 17.71  | 17.82 | 17.63  | 0.0364  | 0.0373 | 0.0357 |
| 10              | 256QAM | 25 | 12 | 17.95  | 17.71 | 17.59  | 0.0385  | 0.0364 | 0.0354 |
| 10              | 256QAM | 25 | 25 | 17.74  | 17.68 | 17.55  | 0.0366  | 0.0361 | 0.0351 |
| 10              | 256QAM | 50 | 0  | 17.69  | 17.78 | 17.57  | 0.0362  | 0.0370 | 0.0352 |
| Channel         |        |    |    | 39675  | 40620 | 41565  | EIRP(W) |        |        |
| Frequency (MHz) |        |    |    | 2498.5 | 2593  | 2687.5 | L       | M      | H      |
| 5               | QPSK   | 1  | 0  | 22.76  | 22.88 | 22.54  | 0.1164  | 0.1197 | 0.1107 |
| 5               | QPSK   | 1  | 12 | 22.85  | 22.68 | 22.47  | 0.1189  | 0.1143 | 0.1089 |
| 5               | QPSK   | 1  | 24 | 22.71  | 22.62 | 22.54  | 0.1151  | 0.1127 | 0.1107 |
| 5               | QPSK   | 12 | 0  | 21.73  | 21.84 | 21.75  | 0.0918  | 0.0942 | 0.0923 |
| 5               | QPSK   | 12 | 7  | 21.78  | 21.91 | 21.58  | 0.0929  | 0.0957 | 0.0887 |
| 5               | QPSK   | 12 | 13 | 21.75  | 21.72 | 21.51  | 0.0923  | 0.0916 | 0.0873 |
| 5               | QPSK   | 25 | 0  | 21.64  | 21.69 | 21.43  | 0.0899  | 0.0910 | 0.0857 |
| 5               | 16QAM  | 1  | 0  | 21.89  | 21.63 | 21.48  | 0.0953  | 0.0897 | 0.0867 |
| 5               | 16QAM  | 1  | 12 | 21.78  | 21.62 | 21.47  | 0.0929  | 0.0895 | 0.0865 |
| 5               | 16QAM  | 1  | 24 | 21.75  | 21.61 | 21.41  | 0.0923  | 0.0893 | 0.0853 |
| 5               | 16QAM  | 12 | 0  | 20.98  | 20.80 | 20.59  | 0.0773  | 0.0741 | 0.0706 |
| 5               | 16QAM  | 12 | 7  | 20.86  | 20.71 | 20.52  | 0.0752  | 0.0726 | 0.0695 |
| 5               | 16QAM  | 12 | 13 | 20.65  | 20.77 | 20.66  | 0.0716  | 0.0736 | 0.0718 |
| 5               | 16QAM  | 25 | 0  | 20.56  | 20.74 | 20.54  | 0.0701  | 0.0731 | 0.0698 |
| 5               | 64QAM  | 1  | 0  | 20.62  | 20.72 | 20.50  | 0.0711  | 0.0728 | 0.0692 |
| 5               | 64QAM  | 1  | 12 | 20.70  | 20.79 | 20.42  | 0.0724  | 0.0740 | 0.0679 |
| 5               | 64QAM  | 1  | 24 | 20.74  | 20.61 | 20.39  | 0.0731  | 0.0710 | 0.0675 |
| 5               | 64QAM  | 12 | 0  | 19.64  | 19.73 | 19.57  | 0.0568  | 0.0579 | 0.0558 |



|   |        |    |    |       |       |       |        |        |        |
|---|--------|----|----|-------|-------|-------|--------|--------|--------|
| 5 | 64QAM  | 12 | 7  | 19.74 | 19.76 | 19.73 | 0.0581 | 0.0583 | 0.0579 |
| 5 | 64QAM  | 12 | 13 | 19.76 | 19.75 | 19.36 | 0.0583 | 0.0582 | 0.0532 |
| 5 | 64QAM  | 25 | 0  | 19.82 | 19.79 | 19.48 | 0.0592 | 0.0587 | 0.0547 |
| 5 | 256QAM | 1  | 0  | 17.86 | 17.71 | 17.51 | 0.0377 | 0.0364 | 0.0348 |
| 5 | 256QAM | 1  | 12 | 17.71 | 17.89 | 17.47 | 0.0364 | 0.0379 | 0.0344 |
| 5 | 256QAM | 1  | 24 | 17.57 | 17.82 | 17.45 | 0.0352 | 0.0373 | 0.0343 |
| 5 | 256QAM | 12 | 0  | 17.77 | 17.76 | 17.67 | 0.0369 | 0.0368 | 0.0361 |
| 5 | 256QAM | 12 | 7  | 17.84 | 17.64 | 17.47 | 0.0375 | 0.0358 | 0.0344 |
| 5 | 256QAM | 12 | 13 | 17.76 | 17.58 | 17.59 | 0.0368 | 0.0353 | 0.0354 |
| 5 | 256QAM | 25 | 0  | 17.67 | 17.79 | 17.58 | 0.0361 | 0.0371 | 0.0353 |

## LTE CA\_7C\_ANT1:

| Combination 20MHz+20MHz (100RB+100RB) |            |         |           |         |           |                |         |
|---------------------------------------|------------|---------|-----------|---------|-----------|----------------|---------|
| Channel                               | Modulation | PCC     |           | SCC     |           | Measured Power | EIRP(W) |
|                                       |            | RB Size | RB offset | RB Size | RB offset |                |         |
| L                                     | QPSK       | 1       | Max       | 1       | 0         | 22.76          | 0.1112  |
| M                                     | QPSK       | 1       | Max       | 1       | 0         | 22.69          | 0.1094  |
| H                                     | QPSK       | 1       | Max       | 1       | 0         | 22.77          | 0.1114  |
| L                                     | 16QAM      | 1       | Max       | 1       | 0         | 22.00          | 0.0933  |
| M                                     | 16QAM      | 1       | Max       | 1       | 0         | 22.05          | 0.0944  |
| H                                     | 16QAM      | 1       | Max       | 1       | 0         | 22.11          | 0.0957  |
| L                                     | 64QAM      | 1       | Max       | 1       | 0         | 20.82          | 0.0711  |
| M                                     | 64QAM      | 1       | Max       | 1       | 0         | 20.80          | 0.0708  |
| H                                     | 64QAM      | 1       | Max       | 1       | 0         | 20.85          | 0.0716  |
| L                                     | 256QAM     | 1       | Max       | 1       | 0         | 17.72          | 0.0348  |
| M                                     | 256QAM     | 1       | Max       | 1       | 0         | 17.66          | 0.0344  |
| H                                     | 256QAM     | 1       | Max       | 1       | 0         | 17.73          | 0.0349  |
| Combination 20MHz+15MHz (100RB+75RB)  |            |         |           |         |           |                |         |
| Channel                               | Modulation | PCC     |           | SCC     |           | Measured Power | EIRP(W) |
|                                       |            | RB Size | RB offset | RB Size | RB offset |                |         |
| H                                     | QPSK       | 1       | Max       | 1       | 0         | 22.58          | 0.1067  |
| H                                     | 16QAM      | 1       | Max       | 1       | 0         | 21.83          | 0.0897  |
| Combination 15MHz+20MHz (75RB+100RB)  |            |         |           |         |           |                |         |
| Channel                               | Modulation | PCC     |           | SCC     |           | Measured Power | EIRP(W) |
|                                       |            | RB Size | RB offset | RB Size | RB offset |                |         |
| H                                     | QPSK       | 1       | Max       | 1       | 0         | 22.51          | 0.1050  |
| H                                     | 16QAM      | 1       | Max       | 1       | 0         | 21.91          | 0.0914  |
| Combination 15MHz+15MHz (75RB+75RB)   |            |         |           |         |           |                |         |
| Channel                               | Modulation | PCC     |           | SCC     |           | Measured Power | EIRP(W) |
|                                       |            | RB Size | RB offset | RB Size | RB offset |                |         |
| H                                     | QPSK       | 1       | Max       | 1       | 0         | 22.55          | 0.1059  |
| H                                     | 16QAM      | 1       | Max       | 1       | 0         | 21.93          | 0.0918  |
| Combination 20MHz+10MHz (100RB+50RB)  |            |         |           |         |           |                |         |
| Channel                               | Modulation | PCC     |           | SCC     |           | Measured Power | EIRP(W) |
|                                       |            | RB Size | RB offset | RB Size | RB offset |                |         |
| H                                     | QPSK       | 1       | Max       | 1       | 0         | 22.63          | 0.1079  |
| H                                     | 16QAM      | 1       | Max       | 1       | 0         | 21.89          | 0.0910  |
| Combination 10MHz+20MHz (50RB+100RB)  |            |         |           |         |           |                |         |
| Channel                               | Modulation | PCC     |           | SCC     |           | Measured       | EIRP(W) |



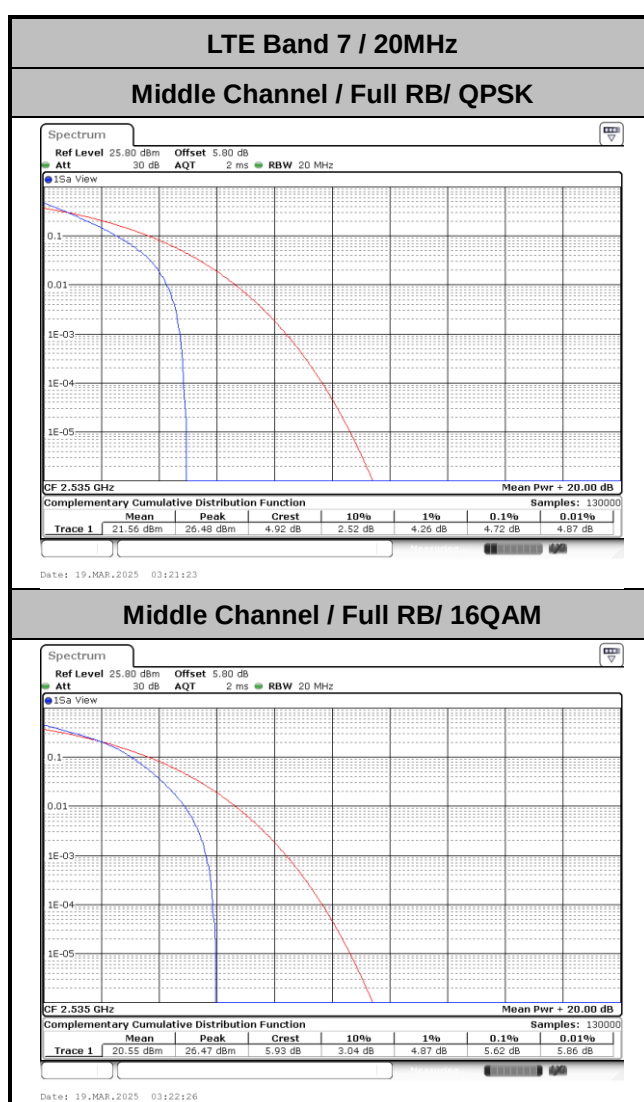
|                                     |            | RB Size | RB offset | RB Size | RB offset |                |         |
|-------------------------------------|------------|---------|-----------|---------|-----------|----------------|---------|
| H                                   | QPSK       | 1       | Max       | 1       | 0         | 22.56          | 0.1062  |
| H                                   | 16QAM      | 1       | Max       | 1       | 0         | 21.86          | 0.0904  |
| Combination 15MHz+10MHz (75RB+50RB) |            |         |           |         |           |                |         |
| Channel                             | Modulation | PCC     |           | SCC     |           | Measured Power | EIRP(W) |
|                                     |            | RB Size | RB offset | RB Size | RB offset |                |         |
| H                                   | QPSK       | 1       | Max       | 1       | 0         | 22.55          | 0.1059  |
| H                                   | 16QAM      | 1       | Max       | 1       | 0         | 21.91          | 0.0914  |

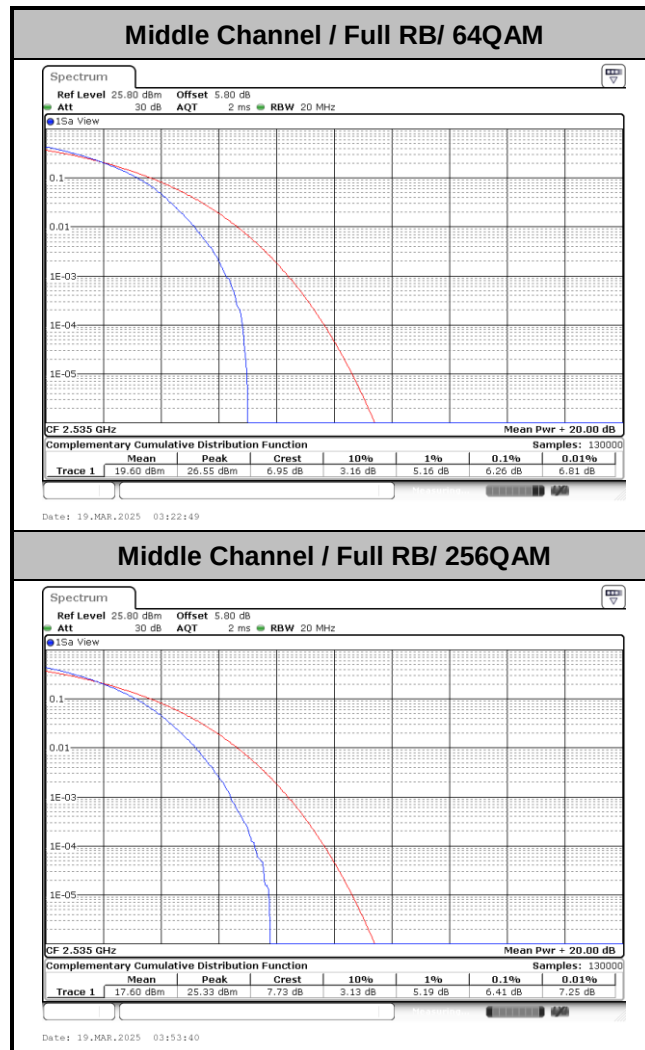


## LTE Band 7

## Peak-to-Average Ratio

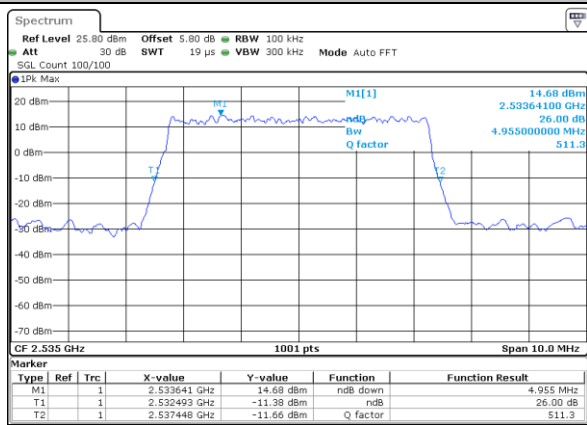
| Mode      | LTE Band 7 / 20MHz |         |         |         |             |
|-----------|--------------------|---------|---------|---------|-------------|
| Mod.      | QPSK               | 16QAM   | 64QAM   | 256QAM  | Limit: 13dB |
| RB Size   | Full RB            | Full RB | Full RB | Full RB | Result      |
| Middle CH | 4.72               | 5.62    | 6.26    | 6.41    | PASS        |



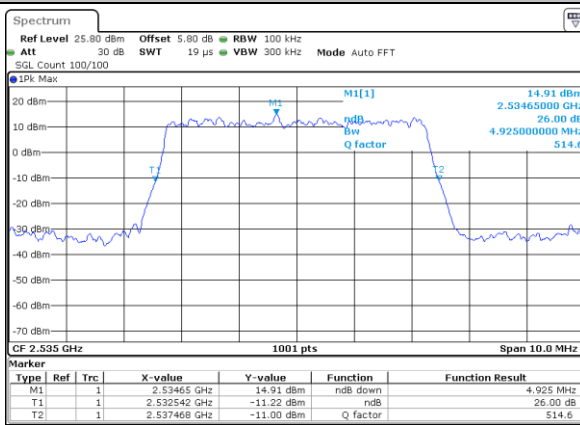


**26dB Bandwidth**

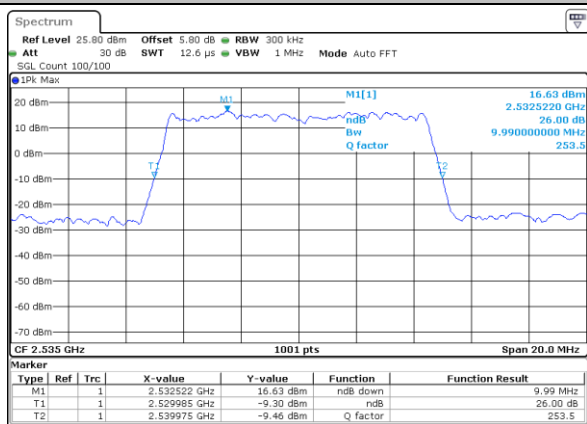
| Mode      | LTE Band 7 : 26dB BW(MHz) |       |       |       |       |       |       |       |
|-----------|---------------------------|-------|-------|-------|-------|-------|-------|-------|
| BW        | 5MHz                      |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.      | QPSK                      | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Middle CH | 4.96                      | 4.93  | 9.99  | 9.83  | 14.27 | 14.36 | 19.06 | 18.82 |

**LTE Band 7****Middle Channel / 5MHz / QPSK**

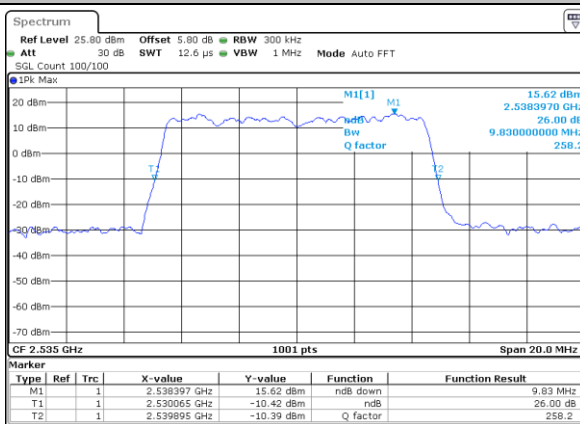
Date: 19.MAR.2025 03:33:17

**Middle Channel / 5MHz / 16QAM**

Date: 19.MAR.2025 03:32:56

**LTE Band 7****Middle Channel / 10MHz / QPSK**

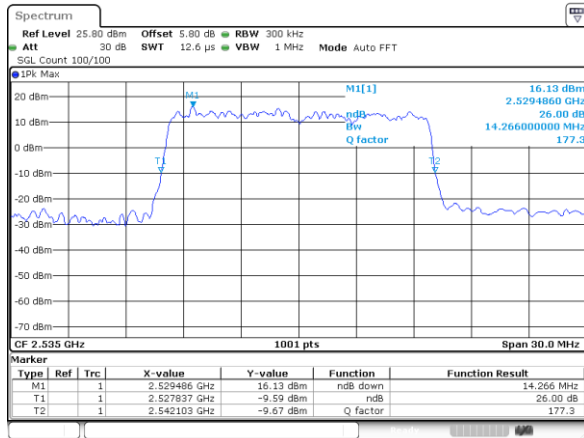
Date: 19.MAR.2025 03:31:33

**Middle Channel / 10MHz / 16QAM**

Date: 19.MAR.2025 03:31:53

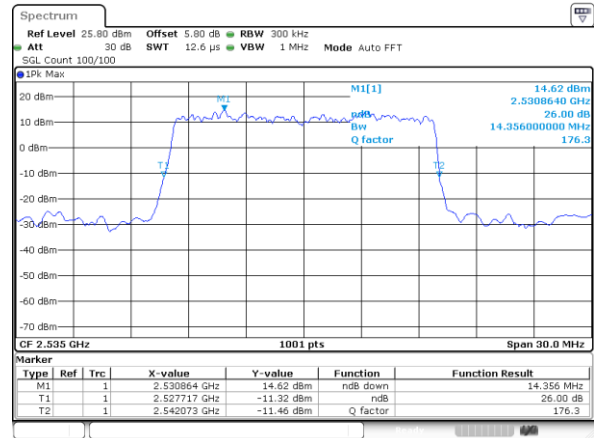
## LTE Band 7

### Middle Channel / 15MHz / QPSK



Date: 19.MAR.2025 03:30:29

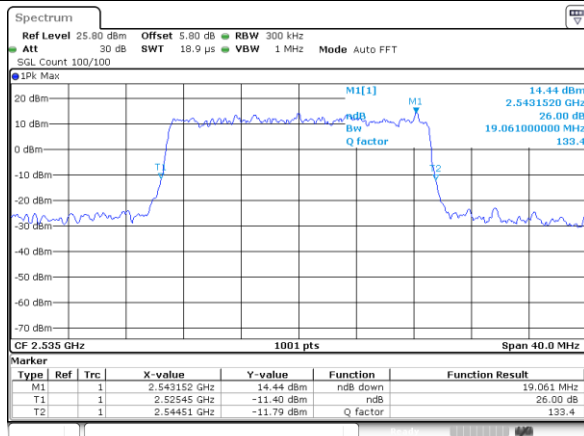
### Middle Channel / 15MHz / 16QAM



Date: 19.MAR.2025 03:30:08

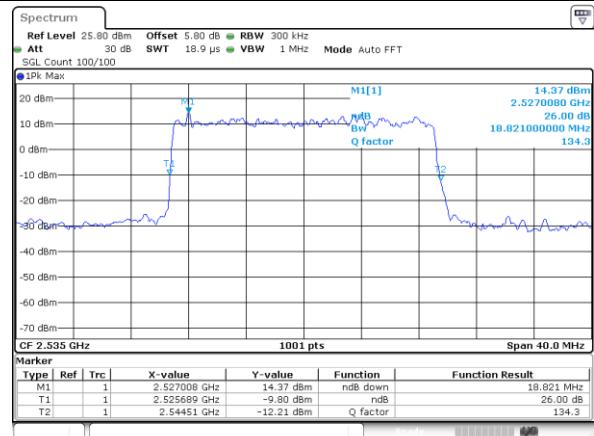
## LTE Band 7

### Middle Channel / 20MHz / QPSK



Date: 19.MAR.2025 03:21:01

### Middle Channel / 20MHz / 16QAM

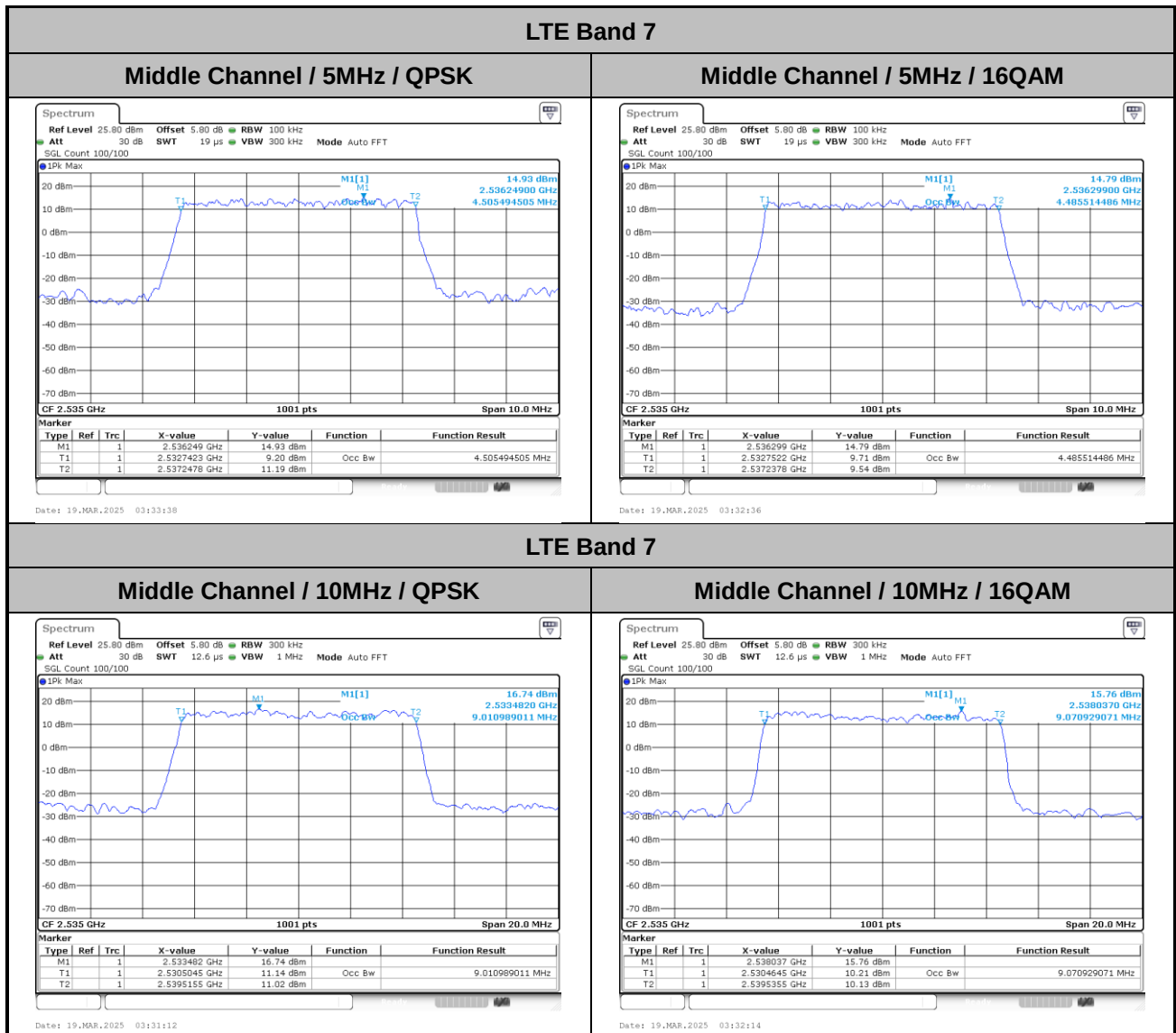


Date: 19.MAR.2025 03:22:04



## Occupied Bandwidth

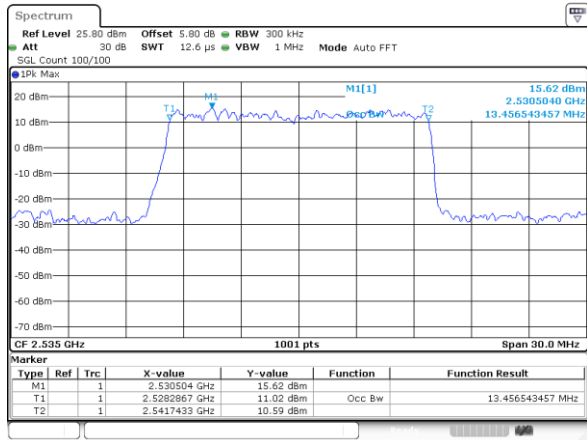
| Mode      | LTE Band 7 : 99%OBW(MHz) |       |       |       |       |       |       |       |
|-----------|--------------------------|-------|-------|-------|-------|-------|-------|-------|
| BW        | 5MHz                     |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.      | QPSK                     | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Middle CH | 4.51                     | 4.49  | 9.01  | 9.07  | 13.46 | 13.46 | 17.82 | 17.90 |



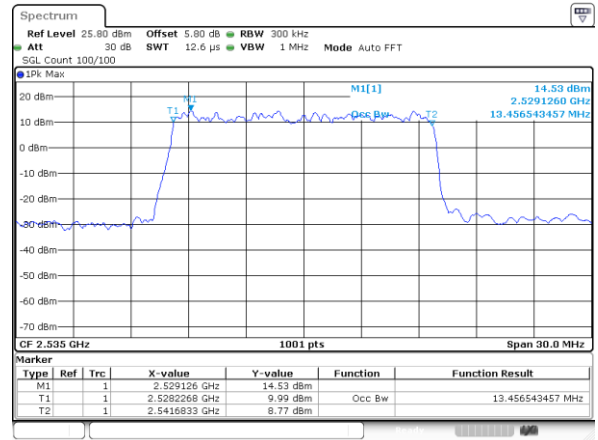


## LTE Band 7

## Middle Channel / 15MHz / QPSK

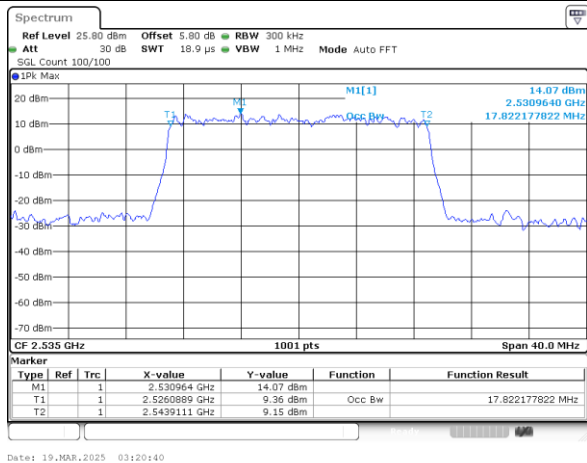


## Middle Channel / 15MHz / 16QAM

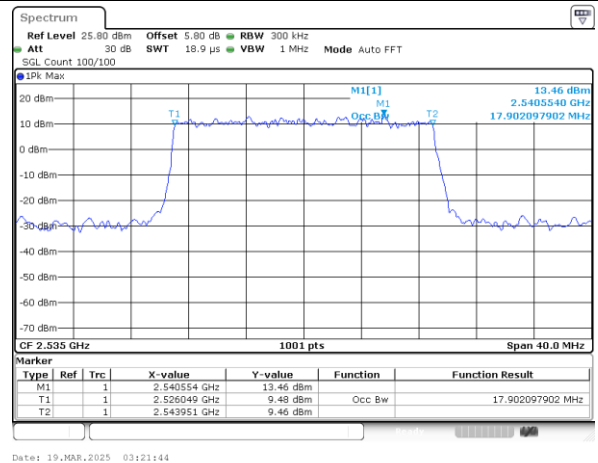


## LTE Band 7

## Middle Channel / 20MHz / QPSK



## Middle Channel / 20MHz / 16QAM

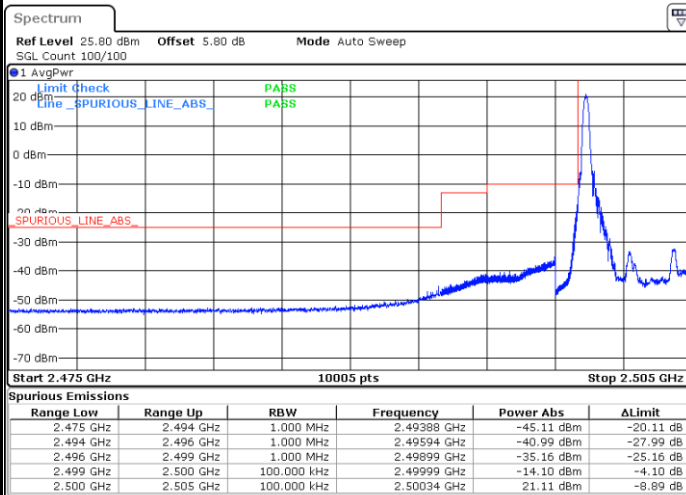




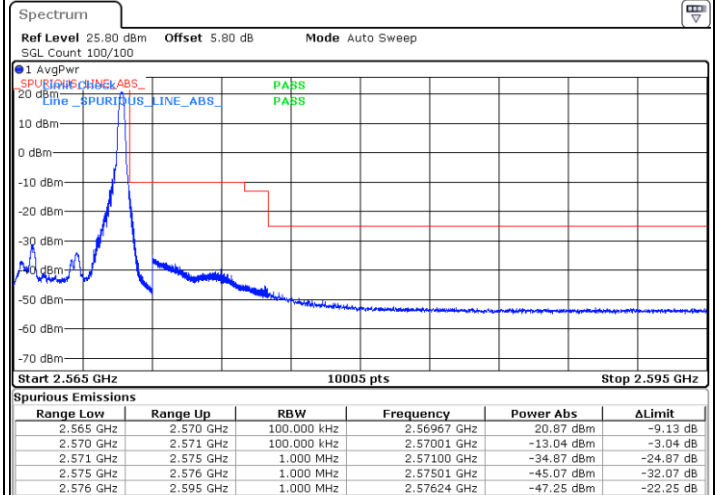
# Conducted Band Edge

## LTE Band 7 / 5MHz / QPSK

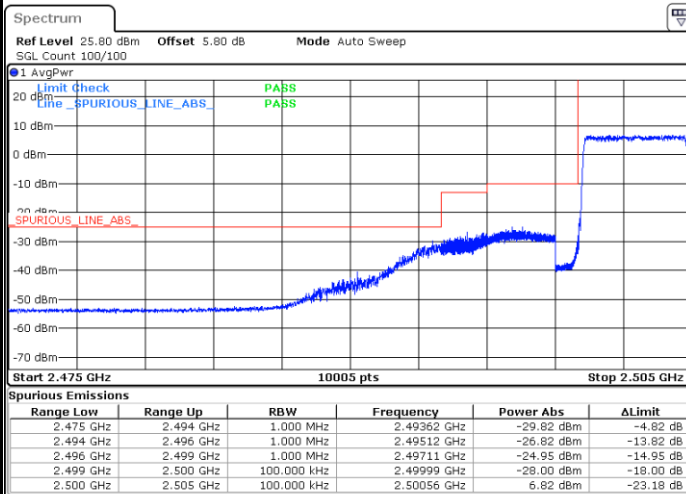
### Lowest Band Edge / 1 RB



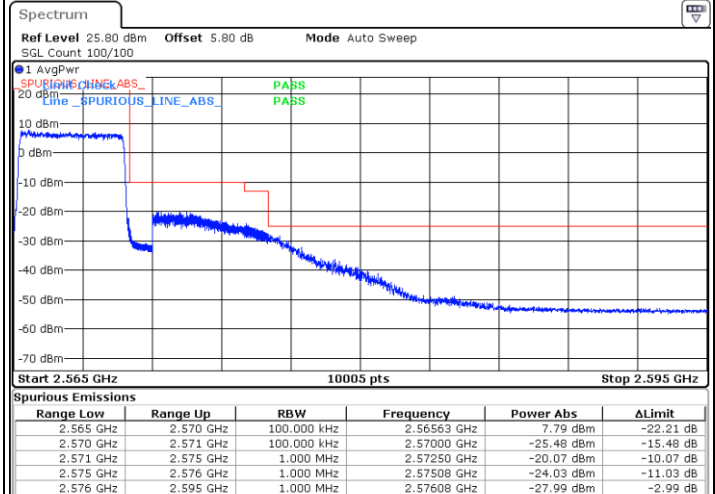
### Highest Band Edge / 1 RB



### Lowest Band Edge / Full RB



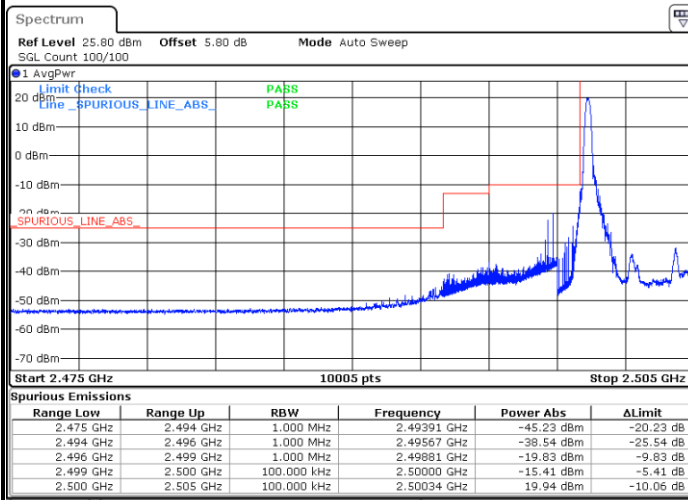
### Highest Band Edge / Full RB



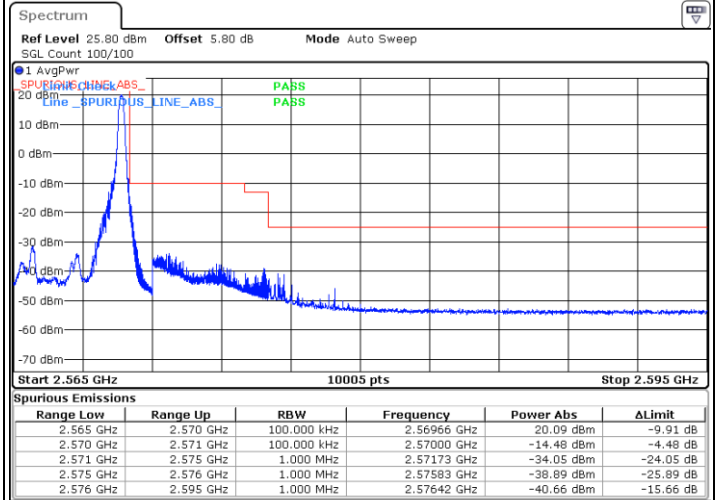


## LTE Band 7 / 5MHz / 16QAM

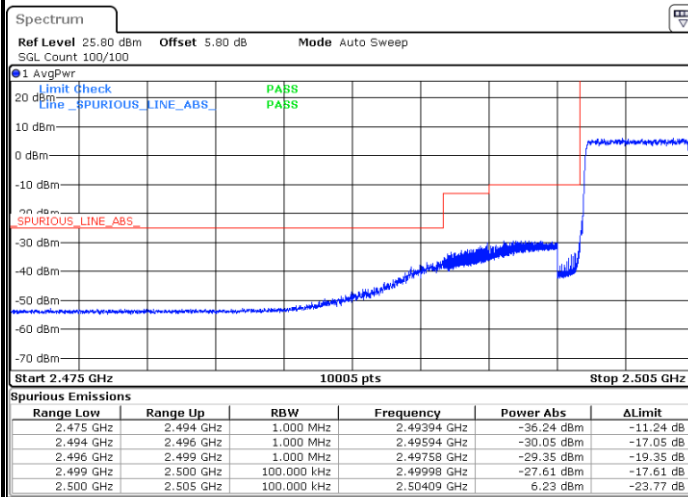
## Lowest Band Edge / 1RB



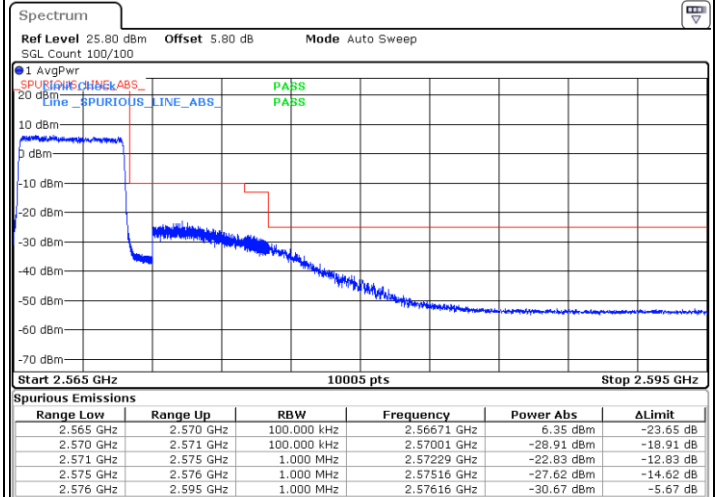
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



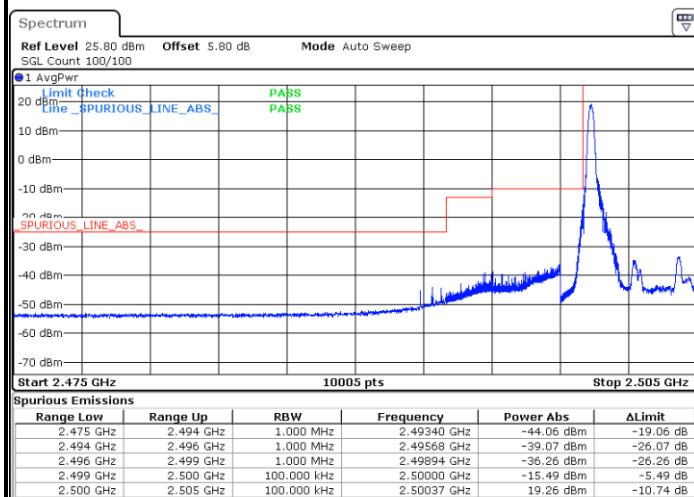
## Highest Band Edge / Full RB



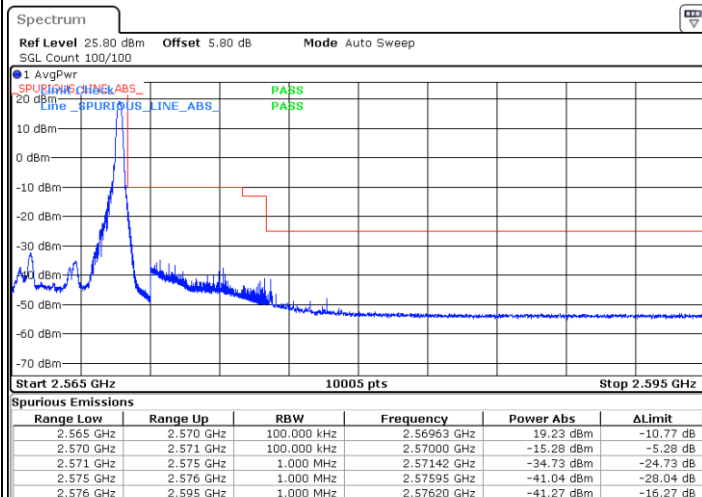


## LTE Band 7 / 5MHz / 64QAM

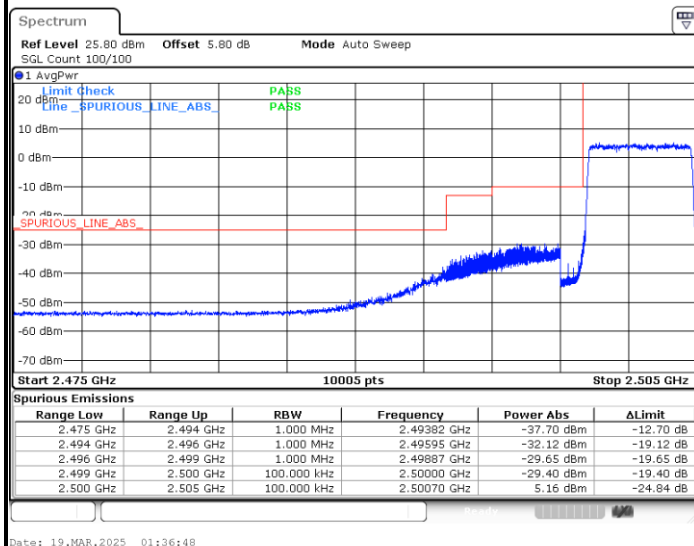
## Lowest Band Edge / 1RB



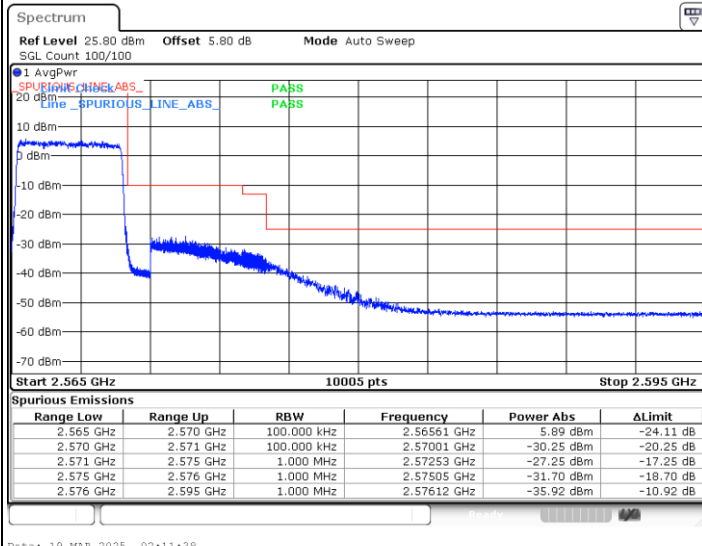
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



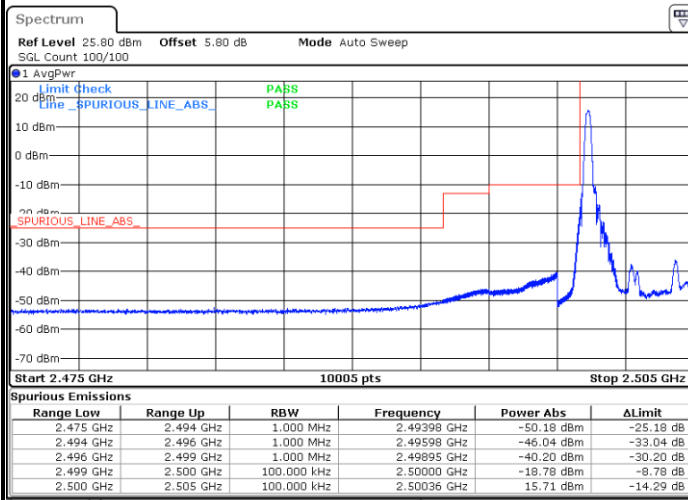
## Highest Band Edge / Full RB



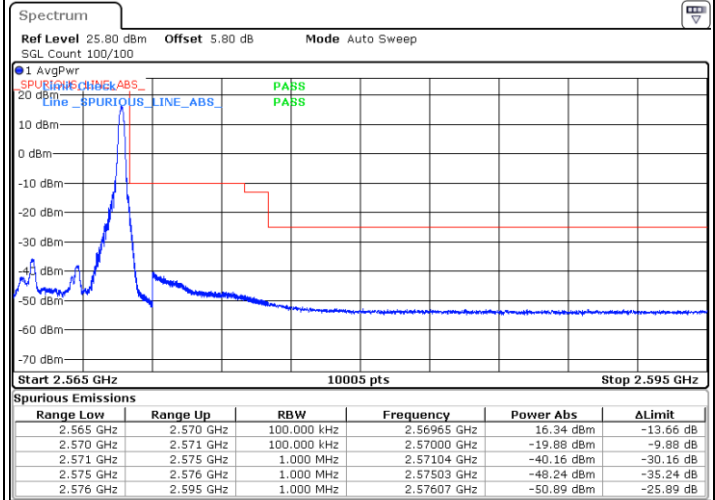


## LTE Band 7 / 5MHz / 256QAM

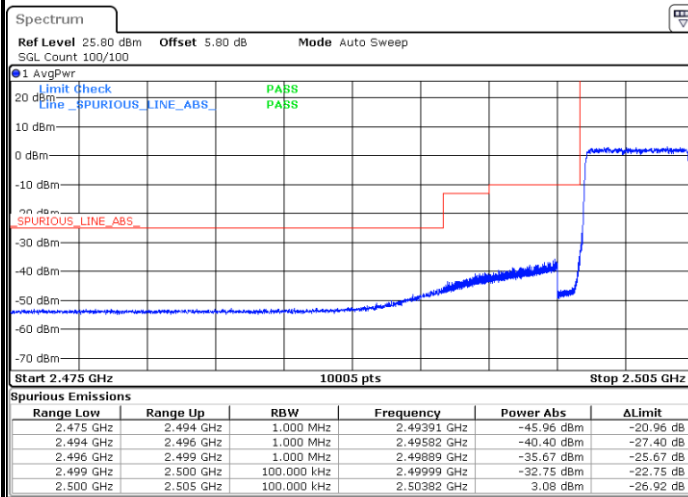
## Lowest Band Edge / 1RB



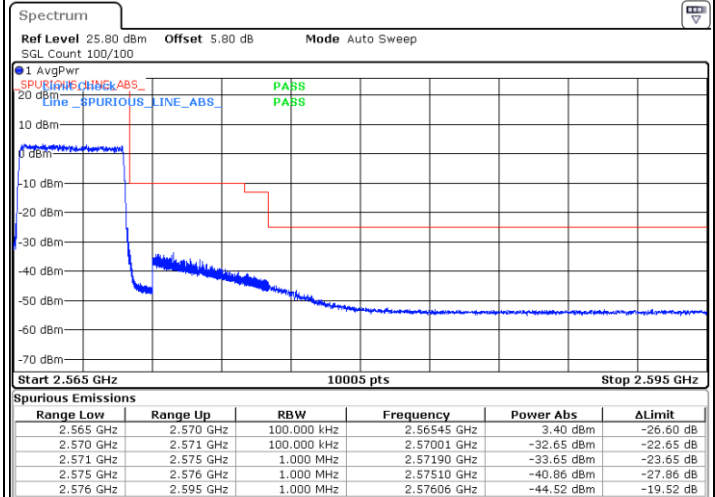
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



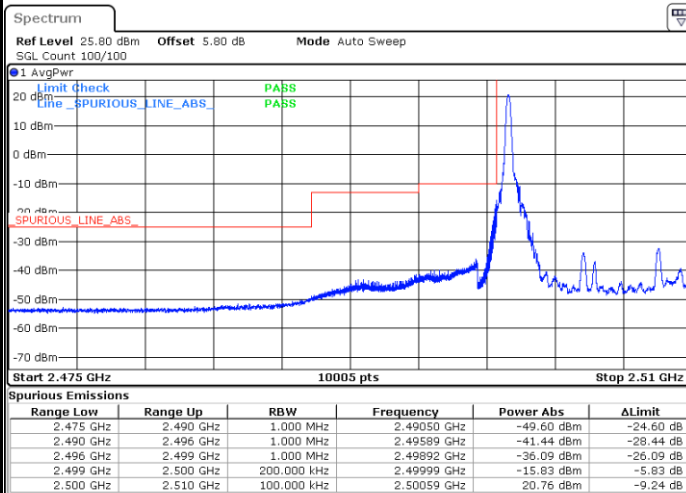
## Highest Band Edge / Full RB



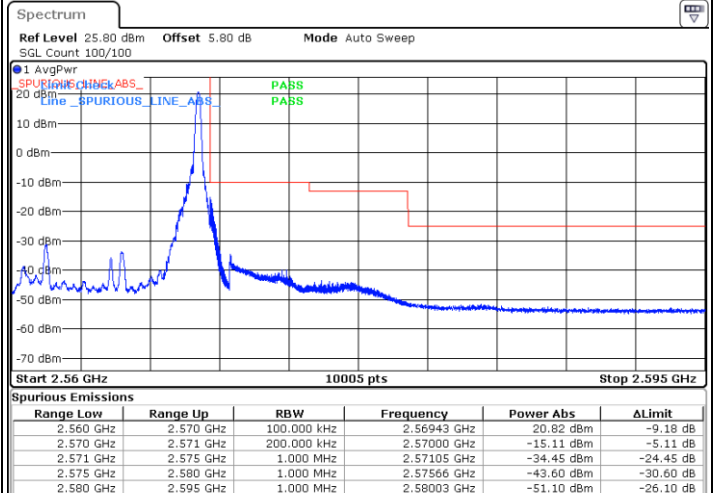


## LTE Band 7 / 10MHz / QPSK

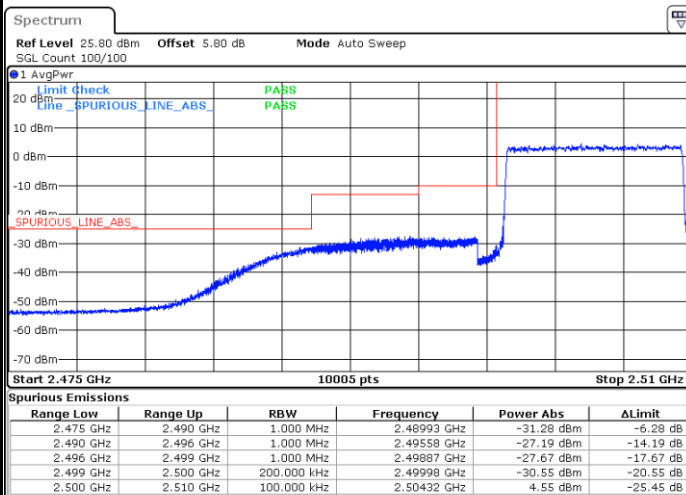
## Lowest Band Edge / 1 RB



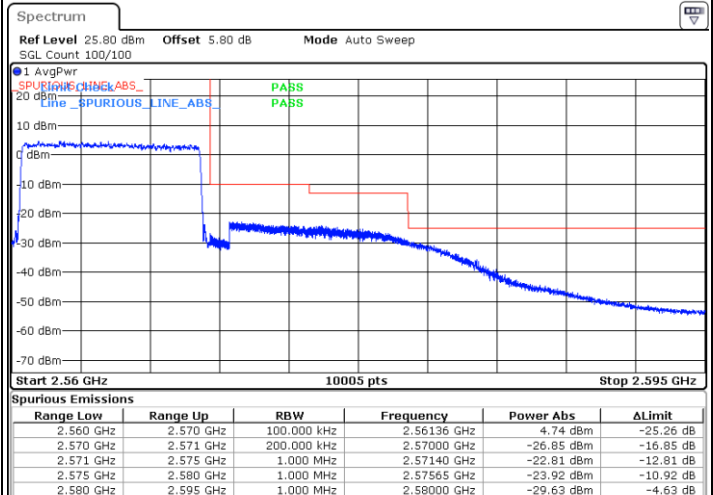
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



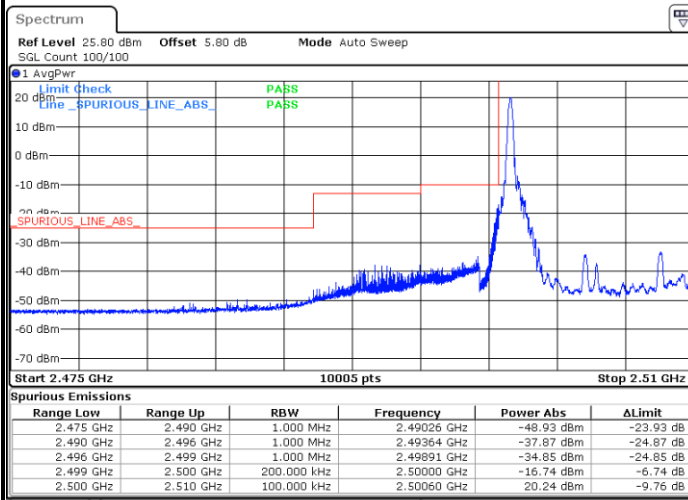
## Highest Band Edge / Full RB



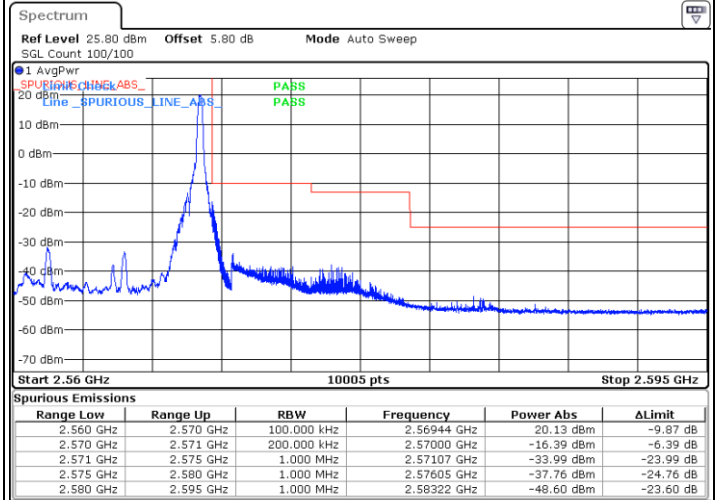


## LTE Band 7 / 10MHz / 16QAM

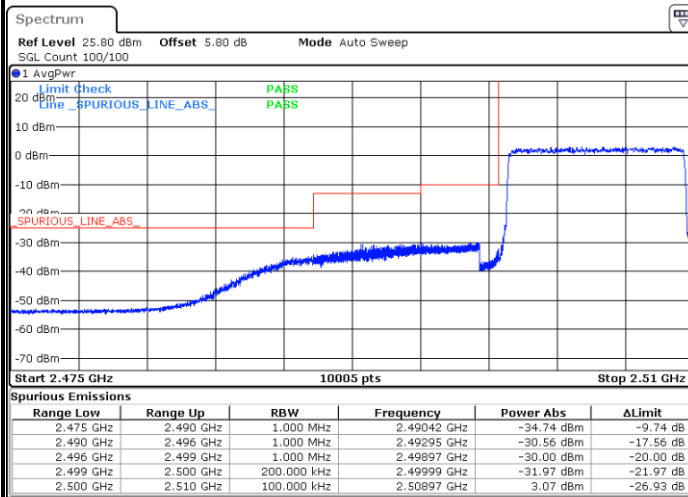
## Lowest Band Edge / 1 RB



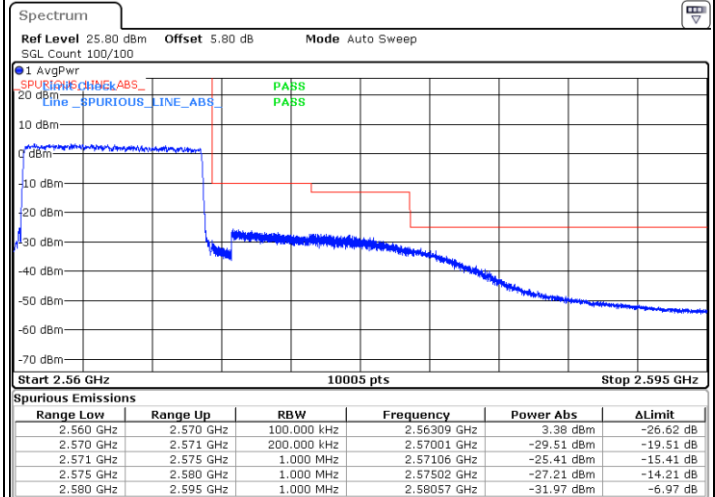
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



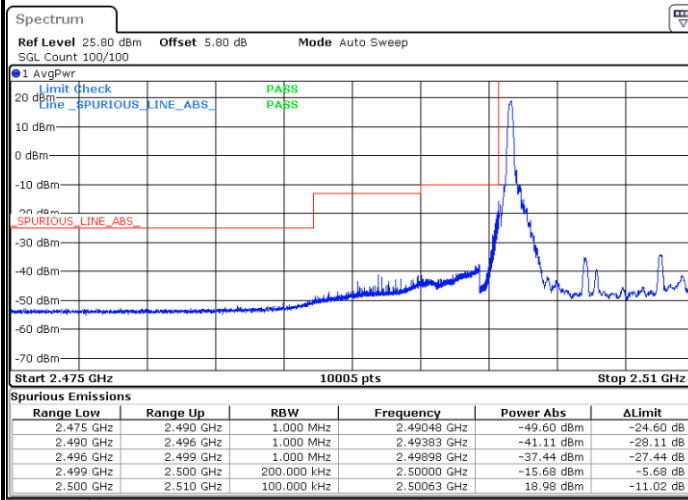
## Highest Band Edge / Full RB



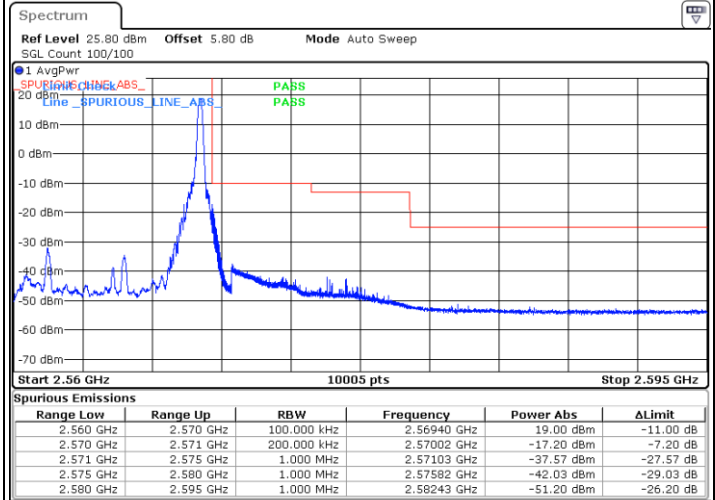


## LTE Band 7 / 10MHz / 64QAM

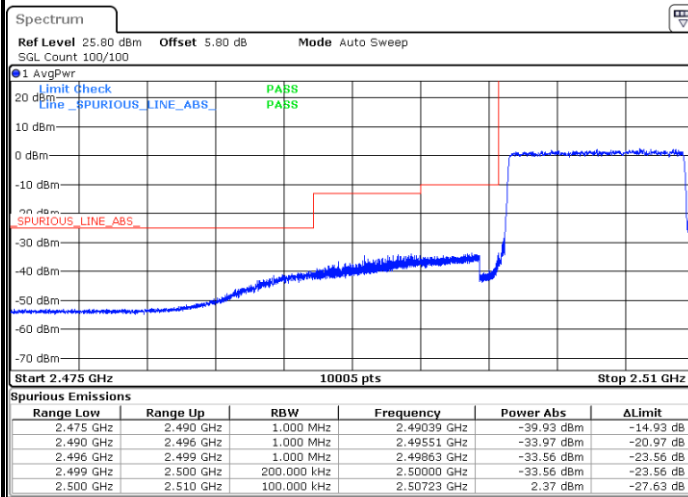
## Lowest Band Edge / 1 RB



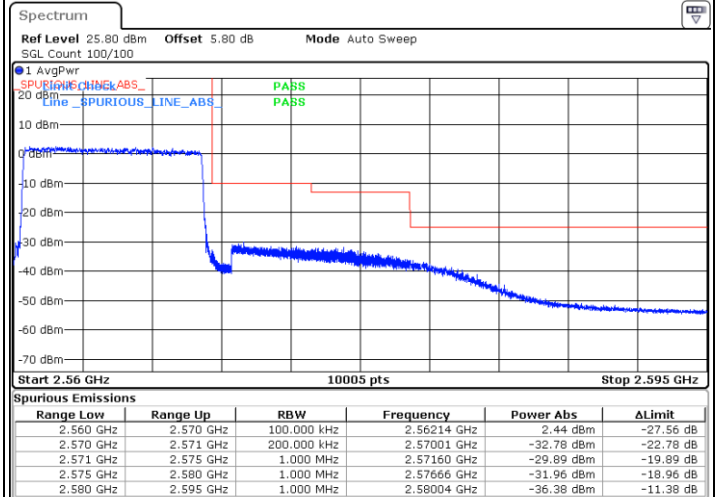
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



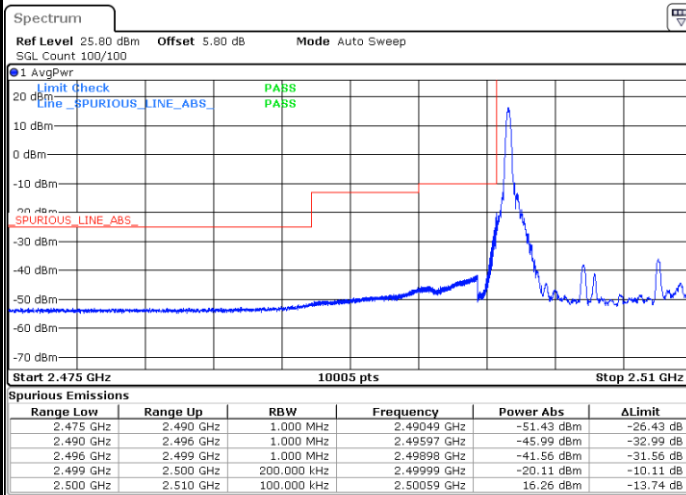
## Highest Band Edge / Full RB



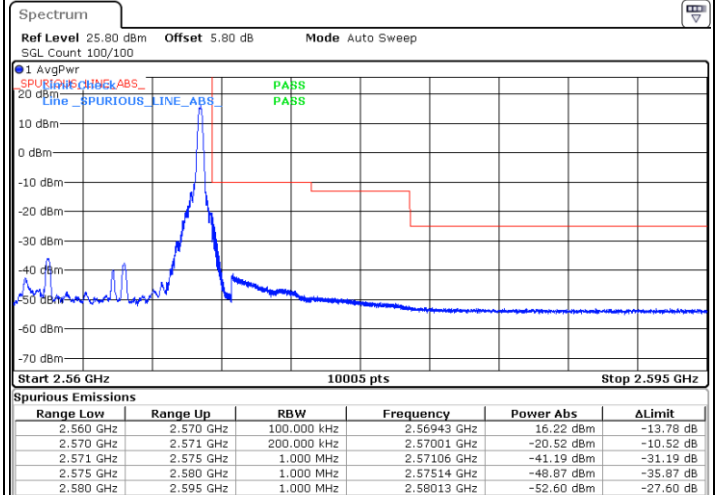


## LTE Band 7 / 10MHz / 256QAM

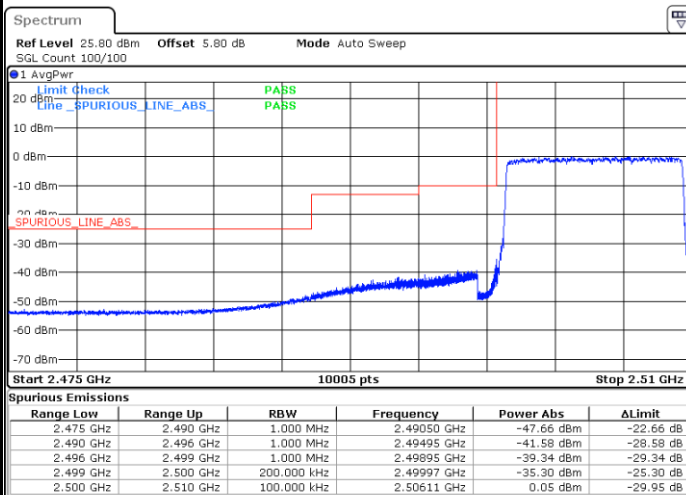
## Lowest Band Edge / 1 RB



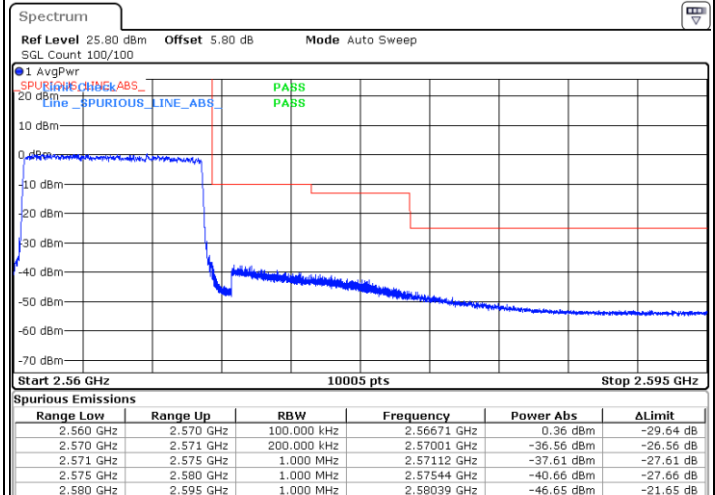
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



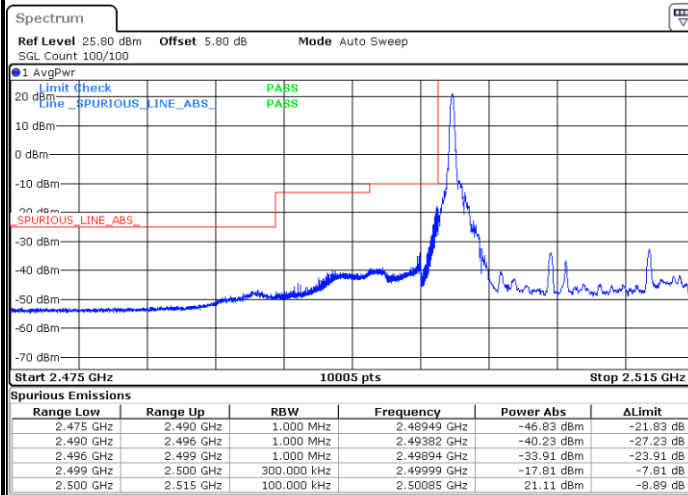
## Highest Band Edge / Full RB



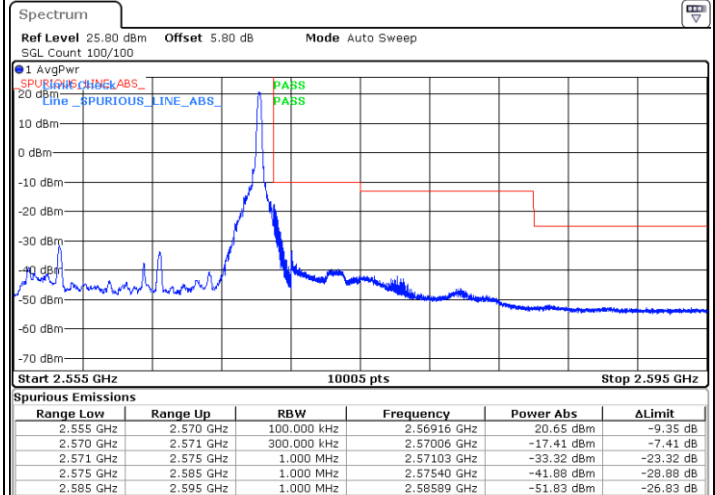


## LTE Band 7 / 15MHz / QPSK

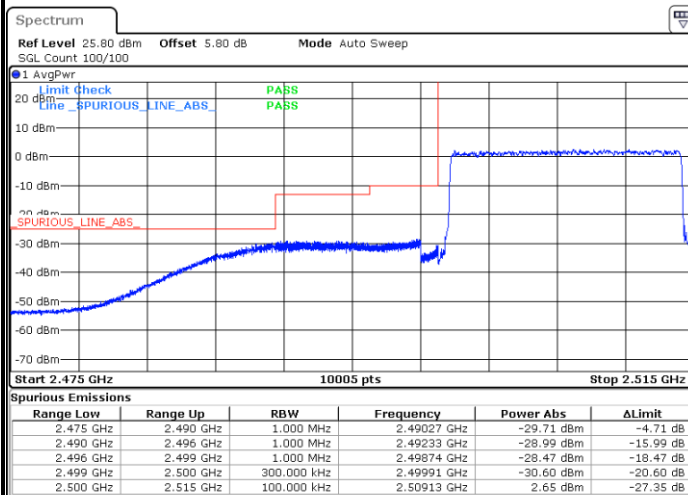
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

