



# Spot Check Evaluation

APPLICANT : Motorola Mobility LLC  
EQUIPMENT : Mobile Cellular Phone  
BRAND NAME : Motorola  
MODEL NAME : XT2503-4, XT2505-1  
FCC ID : IHDT56AU8  
STANDARD : 47 CFR Part 2, 22, 24, 27, 90S  
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) : Jan. 03, 2025 ~ Jan. 23, 2025

We, Sporton International Inc. (ShenZhen), 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. (KunShan)

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

Jason Jia

Approved by: Jason Jia



**Sporton International Inc. (ShenZhen)**

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**People's Republic of China**



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## REVISION HISTORY

| REPORT NO.   | VERSION | DESCRIPTION             | ISSUED DATE   |
|--------------|---------|-------------------------|---------------|
| FG4D1311-01F | Rev. 01 | Initial issue of report | Feb. 10, 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      | XT2503-4, XT2505-1                                                                                                                          |
| FCC ID          | IHDT56AU8                                                                                                                                   |
| IMEI Code       | Conducted/DFS: 357706750005150/357706750005168<br>Radiation: 357706750006133/357706750006141<br>Conduction: 357706750006158/357706750006166 |
| HW Version      | DVT2                                                                                                                                        |
| SW Version      | V2VC35.13                                                                                                                                   |
| 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. (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> | 1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China<br>TEL: +86-755-86379589<br>FAX: +86-755-86379595 |                            |                                       |
| <b>Test Site No.</b>      | <b>Sporton Site No.</b>                                                                                                                                                 | <b>FCC Designation No.</b> | <b>FCC Test Firm Registration No.</b> |
|                           | TH01-SZ<br>DFS01-SZ                                                                                                                                                     | CN1256                     | 421272                                |

|                           |                                                                                                                                                                                                                 |                            |                                       |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------|
| <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> |
|                           | 03CH01-SZ                                                                                                                                                                                                       | CN1256                     | 421272                                |

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 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> |
|                           | CO01-KS<br>03CH02-KS<br>03CH08-KS                                                                                                           | CN1257                     | 314309                                |

## 1.6 Test Software

| Item | Site      | Manufacturer | Name       | Version       |
|------|-----------|--------------|------------|---------------|
| 1.   | CO01-KS   | AUDIX        | E3         | 6.2009-8-24   |
| 2.   | 03CH02-KS | AUDIX        | E3         | 6.2009-8-24a1 |
| 3.   | 03CH08-KS | AUDIX        | E3         | 210616        |
| 4.   | 03CH01-SZ | AUDIX        | E3         | 6.2009-8-24   |
| 5.   | DFS01-SZ  | Sporton      | Test Tools | 1.0           |

## 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 2, 22, 24, 27, 90S
- 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

| Accessories Information |            |                    |            |            |
|-------------------------|------------|--------------------|------------|------------|
| AC Adapter 1(US)        | Brand Name | Motorola(Chenyang) | Model Name | MC-681N    |
| AC Adapter 1(EU)        | Brand Name | Motorola(Chenyang) | Model Name | MC-682N    |
| AC Adapter 1(UK)        | Brand Name | Motorola(Chenyang) | Model Name | MC-683N    |
| AC Adapter 1(AU)        | Brand Name | Motorola(Chenyang) | Model Name | MC-685N    |
| AC Adapter 1(AR)        | Brand Name | Motorola(Chenyang) | Model Name | MC-686N    |
| AC Adapter 1(BR)        | Brand Name | Motorola(Chenyang) | Model Name | MC-687N    |
| AC Adapter 1(CHILE)     | Brand Name | Motorola(Chenyang) | Model Name | MC-689N    |
| AC Adapter 2(US)        | Brand Name | Motorola(Acbel)    | Model Name | MC-681N    |
| AC Adapter 2(EU)        | Brand Name | Motorola(Acbel)    | Model Name | MC-682N    |
| AC Adapter 2(UK)        | Brand Name | Motorola(Acbel)    | Model Name | MC-683N    |
| AC Adapter 2(AU)        | Brand Name | Motorola(Acbel)    | Model Name | MC-685N    |
| AC Adapter 2(AR)        | Brand Name | Motorola(Acbel)    | Model Name | MC-686N    |
| AC Adapter 2(BR)        | Brand Name | Motorola(Acbel)    | Model Name | MC-687N    |
| AC Adapter 2(CHILE)     | Brand Name | Motorola(Acbel)    | Model Name | MC-689N    |
| Battery 1               | Brand Name | Motorola(ATL)      | Model Name | RM52       |
| Battery 2               | Brand Name | Motorola(Cosmx)    | Model Name | RM52       |
| Earphone                | Brand Name | Motorola(Lyand)    | Model Name | MI181C     |
| USB Cable 1             | Brand Name | Motorola(saibao)   | Model Name | SC18D71644 |
| USB Cable 2             | Brand Name | Motorola(Luxshare) | Model Name | SC18E08104 |
| USB Cable 3             | Brand Name | Motorola(saibao)   | Model Name | SC18D86731 |
| USB Cable 4             | Brand Name | Motorola(Luxshare) | Model Name | SC18E08103 |



## **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: XT2503-4, XT2505-1, FCC ID: IHDT56AU8) is electrically identical to the reference device (Model: XT2503-1, XT2505-3, FCC ID: IHDT56AU7) 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 FA4D1311-01.

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: IHDT56AU8 .

### **2.2 Model Difference Information**

The **main** difference between FCC ID: IHDT56AU7 and FCC ID: IHDT56AU8 is as below:

- Remove WCDMA B4, LTE B4/12/13/17/66 and 5G NR n2/n66.
- Add LTE B18/19/20/32/43/71, 5G NR n20/n71/n75.
- Add n5 NSA mode and n41 SA mode.
- LTE B41, 5G NR n77/N78 upgraded to PC2 via software.

Other differences and all the details of similarity and difference can be found in the confidential documents (IHDT56AU8 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                    | IHDT56AU7                 | Full test         | FR4D1311A                                        | IHDT56AU8                | Spot check          | Y,<br>All test items                                         |
|                          | DTS (BLE)       | 2400~2483.5                    | IHDT56AU7                 | Full test         | FR4D1311B                                        | IHDT56AU8                | Spot check          | Y,<br>All test items                                         |
|                          | DTS (WLAN)      | 2400~2483.5                    | IHDT56AU7                 | Full test         | FR4D1311C                                        | IHDT56AU8                | Spot check          | Y,<br>All test items                                         |
|                          | DXX (NFC)       | 13.56                          | IHDT56AU7                 | Full test         | FR4D1311D                                        | IHDT56AU8                | Spot check          | Y,<br>All test items                                         |
| 15E                      | U-NII           | 5180~5240                      | IHDT56AU7                 | Full test         | FR4D1311E                                        | IHDT56AU8                | Spot check          | Y,<br>All test items                                         |
|                          |                 | 5260~5320                      | IHDT56AU7                 | Full test         | FR4D1311E                                        | IHDT56AU8                | Spot check          | Y,<br>All test items                                         |
|                          |                 | 5500~5720                      | IHDT56AU7                 | Full test         | FR4D1311E                                        | IHDT56AU8                | Spot check          | Y,<br>All test items                                         |
|                          |                 | 5745~5825                      | IHDT56AU7                 | Full test         | FR4D1311E                                        | IHDT56AU8                | Spot check          | Y,<br>All test items                                         |
|                          |                 | 5260~5320<br>5500~5720         | IHDT56AU7                 | Full test         | FZ4D1311                                         | IHDT56AU8                | Spot check          | Y,<br>All test items                                         |
| 22,<br>24,<br>27,<br>90, | PCE (GSM)       | GSM 850/1900                   | IHDT56AU7                 | Full test         | FG4D1311A                                        | IHDT56AU8                | Spot check          | Y,<br>All test items                                         |
|                          | PCE (WCDMA)     | Band II, V                     | IHDT56AU7                 | Full test         | FG4D1311A                                        | IHDT56AU8                | Spot check          | Y,<br>All test items                                         |
|                          | PCE (LTE)       | B2/5/7/26/38/42/<br>7C/38C/42C | IHDT56AU7                 | Full test         | FG4D1311B<br>FG4D1311C<br>FG4D1311E<br>FG4D1311F | IHDT56AU8                | Spot check          | Y,<br>All test items                                         |
|                          | PCE (LTE)       | B26 (90S)                      | IHDT56AU7                 | Full test         | FG4D1311D                                        | IHDT56AU8                | Spot check          | Y,<br>All test items                                         |
|                          | PCE (NR)        | n5/n7/n26/n38/n41              | IHDT56AU7                 | Full test         | FG4D1311G<br>FG4D1311H                           | IHDT56AU8                | Spot check          | Y,<br>All test items<br>except for n5<br>NSA RSE,<br>n41 RSE |
|                          | PCE (NR)        | n26 (90S)                      | IHDT56AU7                 | Full test         | FG4D1311I                                        | IHDT56AU8                | Spot check          | Y,<br>All test items                                         |

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

## 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                                             | IHDT56AU7<br>Parent<br>Worst mode<br>Test Result | IHDT56AU8<br>Variant<br>Check Test<br>Result | Deviation        | Deviation<br>Limit |
|-----------------------------------|-------------------------------------------------------|--------------------------------------------------|----------------------------------------------|------------------|--------------------|
| BT 1Mbps (CH39)                   | Number of Channels                                    | 79                                               | 79                                           | 0                | 3                  |
|                                   | Hopping Channel Separation                            | 1                                                | 1.003                                        | 0.003 MHz        | 3                  |
|                                   | Dwell Time of Each Channel                            | 0.306                                            | 0.307                                        | 0.001 s          | 3                  |
|                                   | 20dB Bandwidth                                        | 0.87                                             | 0.865                                        | 0.005 MHz        | 3                  |
|                                   | 99% Bandwidth                                         | 0.758                                            | 0.757                                        | 0.01 MHz         | 3                  |
|                                   | Conducted Band Edges                                  | -43.67                                           | -45.85                                       | 2.18 dBm         | 3                  |
|                                   | Conducted Spurious Emission                           | -36.12                                           | -38.30                                       | 2.18 dBm         | 3                  |
| BT 1Mbps (CH78)                   | Radiated Band Edges and<br>Radiated Spurious Emission | -18.78                                           | -18                                          | 0.78 dB          | 3                  |
| BT                                | AC Conducted Emission                                 | -13.67                                           | -11.94                                       | 1.73 dB          | 3                  |
| BLE 2Mbps (CH01)                  | 6dB Bandwidth                                         | 1.16                                             | 1.17                                         | 0.01 MHz         | 3                  |
|                                   | 99% Bandwidth                                         | 2.056                                            | 2.050                                        | 0.006 MHz        | 3                  |
|                                   | Power Spectral Density                                | -4.23                                            | -4.94                                        | 0.71 dBm/3kHz    | 3                  |
|                                   | Conducted Band Edges                                  | -52.99                                           | -53.56                                       | 0.57 dBm/100kHz  | 3                  |
|                                   | Conducted Spurious Emission                           | -35.36                                           | -37.17                                       | 1.81 dBm/100kHz  | 3                  |
| BLE 1Mbps (CH19)                  | Radiated Band Edges and<br>Spurious Emission          | -3.41                                            | -3.13                                        | 0.28 dB          | 3                  |
| BLE                               | AC Conducted Emission                                 | -13.67                                           | -11.94                                       | 1.73 dB          | 3                  |
| WIFI 2.4G<br>(802.11ax HE20 CH06) | 6dB Bandwidth                                         | 18.48                                            | 18.70                                        | 0.22 MHz         | 3                  |
|                                   | 99% Bandwidth                                         | 19.874                                           | 20.280                                       | 0.406 MHz        | 3                  |
|                                   | Power Spectral Density                                | -6.15                                            | -7.19                                        | 1.04 dBm/3kHz    | 3                  |
|                                   | Conducted Band Edges                                  | -14.78                                           | -15.00                                       | 0.22 dBm/100kHz  | 3                  |
|                                   | Conducted Spurious Emission                           | -35.5                                            | -38.06                                       | -2.56 dBm/100kHz | 3                  |
| WIFI 2.4G<br>(802.11ax HE40 CH06) | Radiated Band Edges and<br>Spurious Emission          | -3.11                                            | -3.38                                        | 0.27 dB          | 3                  |
| WIFI 2.4G                         | AC Conducted Emission                                 | -13.67                                           | -11.94                                       | 1.73 dB          | 3                  |
| WIFI 5G<br>(802.11ax HE40 CH142)  | 26dB & 99% Bandwidth                                  | 75.60                                            | 75.24                                        | 0.36 MHz         | 3                  |
|                                   | Power Spectral Density                                | 3.62                                             | 3.14                                         | 0.48 dBm/MHz     | 3                  |
| WIFI 5G<br>(802.11ax HE80 CH58)   | DFS                                                   | 0.951632                                         | 0.88803                                      | 0.63602 s        | 3                  |
| WIFI 5G<br>(802.11ax HE20 CH36)   | Radiated Band Edges and<br>Spurious Emission          | -3.07                                            | -3.23                                        | 0.16 dB          | 3                  |
| WIFI 5G                           | AC Conducted Emission                                 | -17.62                                           | -15.89                                       | 1.73 dB          | 3                  |
| NFC                               | 20dB Spectrum Bandwidth                               | 2.58                                             | 2.57                                         | 0.01 kHz         | 3                  |
|                                   | 99% Occupied Bandwidth                                | 2.19                                             | 2.19                                         | 0 kHz            | 3                  |
|                                   | Field Strength of Fundamental<br>Emissions@3m         | 52.46                                            | 52.54                                        | 0.08 dBuV/m      | 3                  |
|                                   | Radiated Spurious Emissions                           | 47.17                                            | 49.99                                        | 0.82 dBuV/m      | 3                  |
|                                   | AC Power Line Conducted<br>Emissions                  | -14.93                                           | -13.10                                       | 1.83 dB          | 3                  |
| Part 22H<br>(GSM 850)             | Peak-to-Average Ratio                                 | 0.17                                             | 0.14                                         | 0.03 dB          | 3                  |
|                                   | Occupied Bandwidth                                    | 0.242                                            | 0.243                                        | 0.001 MHz        | 3                  |
|                                   | Conducted Band Edge                                   | -14.83                                           | -14.60                                       | 0.23 dBm         | 3                  |
|                                   | Conducted Spurious Emission                           | -31.6                                            | -30.52                                       | 1.08 dBm         | 3                  |
|                                   | Frequency Stability                                   | 0.0023                                           | 0.0024                                       | 0.0001 ppm       | 3                  |
| Part 27M<br>(LTE Band 7)          | 26dB Bandwidth                                        | 0.32                                             | 0.31                                         | 0.01 MHz         | 3                  |
|                                   | Radiated Spurious Emission                            | -49.04                                           | -51.39                                       | 2.35 dB          | 3                  |



| Test Item                | Mode              | IHDT56AU7<br>Parent<br>Worst mode<br>Test Result | IHDT56AU8<br>Variant<br>Check Test<br>Result | Deviation<br>(dB) | Deviation<br>Limit<br>(dB) |
|--------------------------|-------------------|--------------------------------------------------|----------------------------------------------|-------------------|----------------------------|
| Conducted Power<br>(dBm) | BT BR/EDR         | 17.40                                            | 17.30                                        | 0.10              | 3                          |
|                          | BLE 1Mbps/2Mbps   | 12.66                                            | 11.40                                        | 1.26              | 3                          |
|                          | 11b, 2.4GHz       | 21.28                                            | 20.82                                        | 0.46              | 3                          |
|                          | 11g, 2.4GHz       | 23.72                                            | 23.55                                        | 0.17              | 3                          |
|                          | 11n HT20, 2.4GHz  | 23.68                                            | 23.53                                        | 0.15              | 3                          |
|                          | 11n HT40, 2.4GHz  | 22.95                                            | 22.48                                        | 0.47              | 3                          |
|                          | 11ax HE20, 2.4GHz | 23.77                                            | 23.49                                        | 0.28              | 3                          |
|                          | 11ax HE40, 2.4GHz | 23.03                                            | 22.5                                         | 0.53              | 3                          |
|                          | 11a, 5GHz         | 18.78                                            | 18.67                                        | 0.11              | 3                          |
|                          | 11n HT20, 5GHz    | 18.69                                            | 18.67                                        | 0.02              | 3                          |
|                          | 11n HT40, 5GHz    | 18.79                                            | 18.70                                        | 0.09              | 3                          |
|                          | 11ac VHT20, 5GHz  | 18.75                                            | 18.74                                        | 0.01              | 3                          |
|                          | 11ac VHT40, 5GHz  | 18.83                                            | 18.70                                        | 0.13              | 3                          |
|                          | 11ac VHT80, 5GHz  | 17.98                                            | 17.95                                        | 0.03              | 3                          |
|                          | 11ax HE20, 5GHz   | 18.83                                            | 18.78                                        | 0.05              | 3                          |
|                          | 11ax HE40, 5GHz   | 18.95                                            | 18.82                                        | 0.13              | 3                          |
|                          | 11ax HE80, 5GHz   | 18.07                                            | 18.06                                        | 0.01              | 3                          |
|                          | GSM 850           | 31.75                                            | 31.34                                        | 0.41              | 3                          |
|                          | GSM 1900          | 28.86                                            | 26.57                                        | 2.29              | 3                          |
|                          | WCDMA II          | 22.68                                            | 20.42                                        | 2.26              | 3                          |
|                          | WCDMA V           | 22.81                                            | 22.39                                        | 0.42              | 3                          |
|                          | LTE B2            | 22.51                                            | 22.27                                        | 0.24              | 3                          |
|                          | LTE B5            | 22.49                                            | 22.39                                        | 0.10              | 3                          |
|                          | LTE B7            | 23.67                                            | 22.36                                        | 1.31              | 3                          |
|                          | LTE B7C           | 22.52                                            | 22.39                                        | 0.13              | 3                          |
|                          | LTE B26L          | 22.47                                            | 22.13                                        | 0.34              | 3                          |
|                          | LTE B26H          | 22.52                                            | 22.28                                        | 0.24              | 3                          |
|                          | LTE B38           | 23.58                                            | 23.28                                        | 0.30              | 3                          |
|                          | LTE B38C          | 22.39                                            | 22.53                                        | 0.14              | 3                          |
|                          | LTE B42           | 22.49                                            | 22.23                                        | 0.26              | 3                          |
|                          | LTE B42C          | 22.38                                            | 22.18                                        | 0.20              | 3                          |
|                          | 5GNR n5           | 23.17                                            | 22.95                                        | 0.22              | 3                          |
|                          | 5GNR n7           | 23.57                                            | 22.84                                        | 0.73              | 3                          |
|                          | 5GNR n38          | 23.10                                            | 23.01                                        | 0.29              | 3                          |
|                          | 5GNR n41          | 23.62                                            | 23.26                                        | 0.36              | 3                          |
|                          | 5GNR n26L         | 23.66                                            | 22.87                                        | 0.79              | 3                          |
|                          | 5GNR n26H         | 23.45                                            | 23.19                                        | 0.26              | 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.

The same detection mechanism/software/antenna gain is used in the variant of DFS. Hence, all test cases refer to parent report.

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       | 101078       | 10Hz~40GHz              | Apr. 09, 2024    | Jan. 22, 2025 | Apr. 08, 2025 | Conducted (TH01-SZ)   |
| Pulse Power Sensor                | Anritsu      | MA2411B     | 1339473      | 30MHz~40GHz             | Dec. 25, 2024    | Jan. 22, 2025 | Dec. 24, 2025 | Conducted (TH01-SZ)   |
| Power Meter                       | Anritsu      | ML2495A     | 1218010      | 50MHz Bandwidth         | Oct.14, 2024     | Jan. 22, 2025 | Oct. 13, 2025 | Conducted (TH01-SZ)   |
| EMI Test Receiver                 | Keysight     | N9038A      | MY57290151   | 3Hz~8.5GHz;Max 30dBm    | Jul. 04, 2024    | Jan. 20, 2025 | Jul. 03, 2025 | Radiation (03CH08-KS) |
| EXA Spectrum Analyzer             | Keysight     | N9010B      | MY57441079   | 10Hz~44GHz              | Oct. 09, 2024    | Jan. 20, 2025 | Oct. 08, 2025 | Radiation (03CH08-KS) |
| Loop Antenna                      | R&S          | HFH2-Z2E    | 101125       | 9kHz~30MHz              | Sep. 08, 2024    | Jan. 20, 2025 | Sep. 07, 2025 | Radiation (03CH08-KS) |
| Bilog Antenna                     | TESEQ        | CBL 6111D   | 59915        | 30MHz~1GHz              | Aug. 18, 2024    | Jan. 20, 2025 | Aug.17, 2025  | Radiation (03CH08-KS) |
| Double Ridge Horn Antenna         | ETS-Lindgren | 3117        | 00240138     | 1GHz~18GHz              | Jul. 06, 2024    | Jan. 20, 2025 | Jul. 05, 2025 | Radiation (03CH08-KS) |
| high gain Amplifier               | EM           | EM01G18GA   | 060890       | 1Ghz~18Ghz              | Jul. 23, 2024    | Jan. 20, 2025 | Jul. 22, 2025 | Radiation (03CH08-KS) |
| SHF-EHF Horn                      | Com-power    | AH-840      | 101116       | 18GHz~40GHz             | Oct. 22, 2024    | Jan. 20, 2025 | Oct. 21, 2025 | Radiation (03CH08-KS) |
| Amplifier                         | SONOMA       | 310N        | 380826       | 9KHz~1GHz               | Jul. 03, 2024    | Jan. 20, 2025 | Jul. 02, 2025 | Radiation (03CH08-KS) |
| Amplifier                         | Keysight     | 83017A      | MY53270417   | 500MHz~26.5GHz          | Oct. 09, 2024    | Jan. 20, 2025 | Oct. 08, 2025 | Radiation (03CH08-KS) |
| Amplifier                         | EM           | EM18G40GGA  | 060737       | 18~40GHz                | Jan. 03, 2025    | Jan. 20, 2025 | Jan. 02, 2026 | Radiation (03CH08-KS) |
| AC Power Source                   | Chroma       | 61601       | 616010002473 | N/A                     | NCR              | Jan. 20, 2025 | NCR           | Radiation (03CH08-KS) |
| Turn Table                        | EM           | EM 1000-T   | N/A          | 0~360 degree            | NCR              | Jan. 20, 2025 | NCR           | Radiation (03CH08-KS) |
| Antenna Mast                      | EM           | EM 1000-A   | N/A          | 1 m~4 m                 | NCR              | Jan. 20, 2025 | NCR           | Radiation (03CH08-KS) |
| EMI Receiver                      | R&S          | ESCI7       | 100768       | 9kHz~7GHz;              | Apr. 18, 2024    | Jan. 20, 2025 | Apr. 17, 2025 | Conduction (CO01-KS)  |
| AC LISN (for auxiliary equipment) | MessTec      | AN3016      | 060103       | 9kHz~30MHz              | Aug. 20, 2024    | Jan. 20, 2025 | Aug. 19, 2025 | Conduction (CO01-KS)  |
| AC LISN                           | MessTec      | AN3016      | 060105       | 9kHz~30MHz              | Apr. 18, 2024    | Jan. 20, 2025 | Apr. 17, 2025 | Conduction (CO01-KS)  |
| AC Power Source                   | Chroma       | 61602       | ABP000000811 | AC 0V~300V, 45Hz~1000Hz | Oct. 09, 2024    | Jan. 20, 2025 | Oct. 08, 2025 | Conduction (CO01-KS)  |
| Signal Analyzer                   | R&S          | FSV7        | 101473       | 10Hz~7GHz               | Dec. 25, 2024    | Jan. 08, 2025 | Dec. 24, 2025 | DFS (DFS01-SZ)        |
| MXG-B RF Vector Signal Generator  | Keysight     | N5182B      | MY56200424   | 9kHz~6GHz               | Apr. 09, 2024    | Jan. 08, 2025 | Apr. 08, 2025 | DFS (DFS01-SZ)        |
| Combiner                          | TOJOIN       | PS-2AM-0460 | SZE14011007  | 0.4~6GHz                | Sep. 05, 2024    | Jan. 08, 2025 | Sep. 04, 2025 | DFS (DFS01-SZ)        |

NCR: No Calibration Required.



## For NFC:

| Instrument                        | Manufacturer | Model No. | Serial No.   | Characteristics         | Calibration Date | Test Date     | Due Date      | Remark                |
|-----------------------------------|--------------|-----------|--------------|-------------------------|------------------|---------------|---------------|-----------------------|
| Spectrum Analyzer                 | R&S          | FSV40     | 101078       | 10Hz~40GHz              | Apr. 09, 2024    | Jan. 23, 2025 | Apr. 08, 2025 | Conducted (TH01-SZ)   |
| Temperature & humidity chamber    | Hongzhan     | LP-150U   | H2014011440  | -40~+150°C<br>20%~95%RH | Jul. 04, 2024    | Jan. 23, 2025 | Jul. 03, 2025 | Conducted (TH01-KS)   |
| EMI Test Receiver                 | R&S          | ESR7      | 101403       | 9kHz~7GHz;Max 30dBm     | Oct. 11, 2024    | Jan. 03, 2025 | Oct. 10, 2025 | Radiation (03CH02-KS) |
| Loop Antenna                      | R&S          | HFH2-Z2E  | 101125       | 9kHz~30MHz              | Sep. 08, 2024    | Jan. 03, 2025 | Sep. 07, 2025 | Radiation (03CH02-KS) |
| Bilog Antenna                     | TeseQ        | CBL6111D  | 59915        | 30MHz~1GHz              | Aug. 18, 2024    | Jan. 03, 2025 | Aug. 17, 2025 | Radiation (03CH02-KS) |
| AC Power Source                   | Chroma       | 61601     | 616010002473 | N/A                     | NCR              | Jan. 03, 2025 | NCR           | Radiation (03CH02-KS) |
| Turn Table                        | MF           | MF7802    | N/A          | 0~360 degree            | NCR              | Jan. 03, 2025 | NCR           | Radiation (03CH02-KS) |
| Antenna Mast                      | MF           | MF7802    | N/A          | 1 m~4 m                 | NCR              | Jan. 03, 2025 | NCR           | Radiation (03CH02-KS) |
| Amplifier                         | SONOMA       | 310N      | 413740       | 9KHz~1GHz               | Jan. 02, 2025    | Jan. 03, 2025 | Jan. 01, 2026 | Radiation (03CH02-KS) |
| EMI Receiver                      | R&S          | ESCI7     | 100768       | 9kHz~7GHz;              | Apr. 18, 2024    | Jan. 20, 2025 | Apr. 17, 2025 | Conduction (CO01-KS)  |
| AC LISN (for auxiliary equipment) | MessTec      | AN3016    | 060103       | 9kHz~30MHz              | Aug. 20, 2024    | Jan. 20, 2025 | Aug. 19, 2025 | Conduction (CO01-KS)  |
| AC LISN                           | MessTec      | AN3016    | 060105       | 9kHz~30MHz              | Apr. 18, 2024    | Jan. 20, 2025 | Apr. 17, 2025 | Conduction (CO01-KS)  |
| AC Power Source                   | Chroma       | 61602     | ABP00000811  | AC 0V~300V, 45Hz~1000Hz | Oct. 09, 2024    | Jan. 20, 2025 | Oct. 08, 2025 | Conduction (CO01-KS)  |

## For WWAN Bands:

| Instrument                | Manufacturer              | Model No.                | Serial No.   | Characteristics | Calibration Date | Test Date     | Due Date      | Remark                |
|---------------------------|---------------------------|--------------------------|--------------|-----------------|------------------|---------------|---------------|-----------------------|
| Spectrum Analyzer         | R&S                       | FSV40                    | 101078       | 10Hz~40GHz      | Apr. 09, 2024    | Jan. 08, 2025 | Apr. 08, 2025 | Conducted (TH01-SZ)   |
| DC Power Supply           | TTI                       | PL330P                   | 290070       | Max 32V , 3A    | Oct.14, 2024     | Jan. 08, 2025 | Oct. 13, 2025 | Conducted (TH01-SZ)   |
| Power Divider             | Titan                     | P02N005180               | 923402       | 0.4GHz~26.5GHz  | Nov. 08, 2024    | Jan. 08, 2025 | Nov. 07, 2025 | Conducted (TH01-SZ)   |
| Thermal Chamber           | Ten Billion Hongzhangroup | LP-150U                  | H2014081803  | -40~+150°C      | Jul. 03, 2024    | Jan. 08, 2025 | Jul. 02, 2025 | Conducted (TH01-SZ)   |
| EMI Test Receiver&SA      | Agilent                   | N9038A                   | MY52260185   | 20Hz~26.5GHz    | Dec. 25, 2024    | Jan. 18, 2025 | Dec. 24, 2025 | Radiation (03CH01-SZ) |
| Loop Antenna              | R&S                       | HFH2-Z2E                 | 101141       | 9kHz~30MHz      | Dec. 28, 2024    | Jan. 18, 2025 | Dec. 27, 2025 | Radiation (03CH01-SZ) |
| Bilog Antenna             | TeseQ                     | CBL6112D                 | 35407        | 30MHz~2GHz      | Oct. 24, 2023    | Jan. 18, 2025 | Oct. 23, 2025 | Radiation (03CH01-SZ) |
| Double Ridge Horn Antenna | ETS-Lindgren              | 3117                     | 00119436     | 1GHz~18GHz      | Jul. 04, 2024    | Jan. 18, 2025 | Jul. 03, 2025 | Radiation (03CH01-SZ) |
| SHF-EHF Horn              | com-power                 | AH-840                   | 101071       | 18GHz~40GHz     | Apr. 09, 2024    | Jan. 18, 2025 | Apr. 08, 2025 | Radiation (03CH01-SZ) |
| LF Amplifier              | Burgeon                   | BPA-530                  | 102209       | 0.01~3000Mhz    | Apr. 09, 2024    | Jan. 18, 2025 | Apr. 08, 2025 | Radiation (03CH01-SZ) |
| HF Amplifier              | MITEQ                     | AMF-7D-00101800-30-10P-R | 1943528      | 1GHz~18GHz      | Oct. 14, 2024    | Jan. 18, 2025 | Oct. 13, 2025 | Radiation (03CH01-SZ) |
| HF Amplifier              | MITEQ                     | TTA1840-35-HG            | 1871923      | 18GHz~40GHz     | Jul. 03, 2024    | Jan. 18, 2025 | Jul. 02, 2025 | Radiation (03CH01-SZ) |
| AC Power Source           | Chroma                    | 61601                    | 616010001985 | N/A             | Oct. 14, 2024    | Jan. 18, 2025 | Oct. 13, 2025 | Radiation (03CH01-SZ) |
| Turn Table                | EM                        | EM1000                   | N/A          | 0~360 degree    | NCR              | Jan. 18, 2025 | NCR           | Radiation (03CH01-SZ) |
| Antenna Mast              | EM                        | EM1000                   | N/A          | 1 m~4 m         | NCR              | Jan. 18, 2025 | NCR           | Radiation (03CH01-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 | $\pm 1.34$ dB   |
| Occupied Channel Bandwidth             | $\pm 0.012$ MHz |
| Conducted Power                        | $\pm 1.34$ dB   |
| Conducted Power Spectral Density       | $\pm 1.32$ dB   |
| Frequency                              | $\pm 1.3$ Hz    |

### Uncertainty of Conducted Measurement (NFC)

| Test Item                  | Uncertainty     |
|----------------------------|-----------------|
| Occupied Channel Bandwidth | $\pm 0.012$ MHz |
| Frequency                  | $\pm 1.3$ Hz    |

### Uncertainty of Conducted Measurement (DFS)

| Test Item                         | Uncertainty   |
|-----------------------------------|---------------|
| Conducted Generated signal Levels | $\pm 1.23$ dB |
| Conducted Time                    | 0.38%         |

### Uncertainty of Conducted Measurement (WWAN)

| Test Item                              | Uncertainty     |
|----------------------------------------|-----------------|
| Conducted Spurious Emission & Bandedge | $\pm 1.34$ dB   |
| Occupied Channel Bandwidth             | $\pm 0.012$ MHz |
| Conducted Power                        | $\pm 1.34$ dB   |
| Peak to Average Ratio                  | $\pm 1.34$ dB   |
| Frequency Stability                    | $\pm 1.3$ Hz    |

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

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 2.84 dB |
|-------------------------------------------------------------------------|---------|

03CH08-KS(BT/WIF):

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

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 3.30 dB |
|-------------------------------------------------------------------------|---------|

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

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 6.04 dB |
|-------------------------------------------------------------------------|---------|

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

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 5.26 dB |
|-------------------------------------------------------------------------|---------|

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

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 5.40 dB |
|-------------------------------------------------------------------------|---------|

03CH02-KS(NFC):

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

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 3.30 dB |
|-------------------------------------------------------------------------|---------|

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

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 6.04 dB |
|-------------------------------------------------------------------------|---------|

**03CH01-SZ(WWAN):****Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)**

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 2.48 dB |
|-------------------------------------------------------------------------|---------|

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

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 3.53 dB |
|-------------------------------------------------------------------------|---------|

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

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 4.02 dB |
|-------------------------------------------------------------------------|---------|

-THE END-



## Appendix A. Radiated Spurious Emission

For Simultaneous transmission:

|                 |               |                     |        |
|-----------------|---------------|---------------------|--------|
| Test Engineer : | Zhaohui Liang | Relative Humidity : | 50%    |
|                 |               | Temperature :       | 20-22℃ |

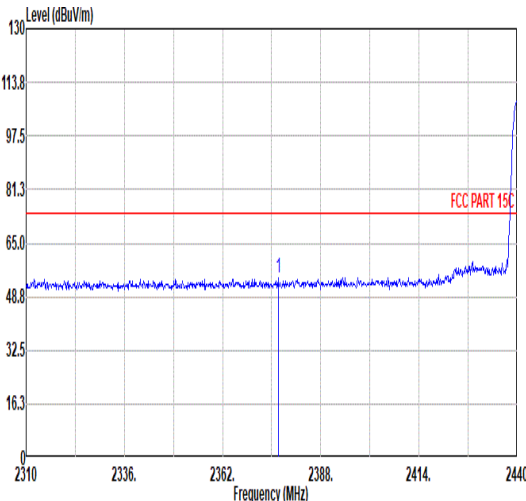
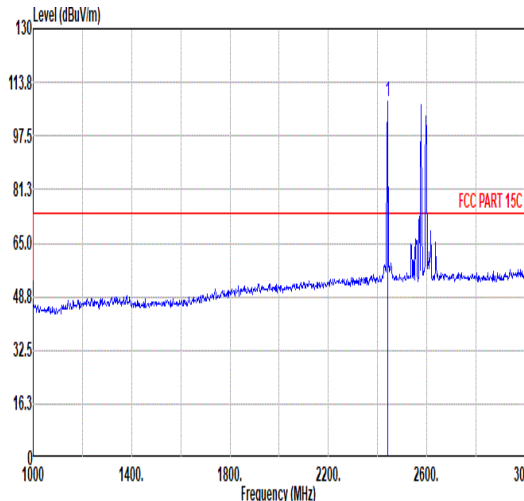
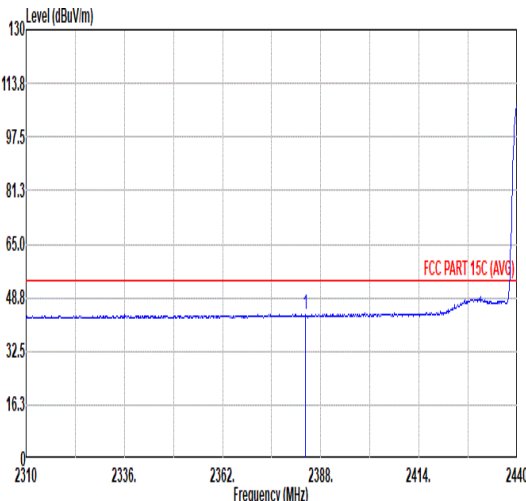
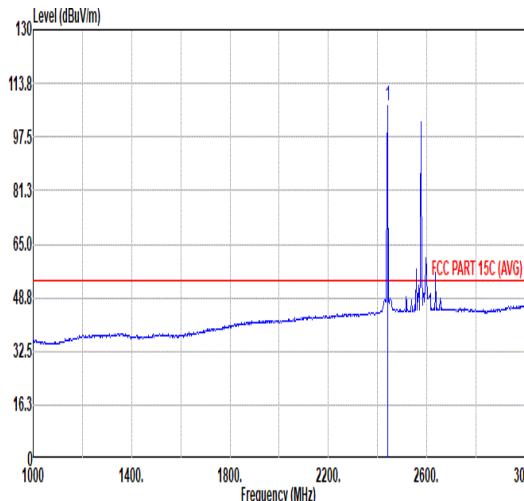
### Radiated Spurious Emission Test Modes

| Mode   | Band         | Band (GHz)  | Antenna | Modulation        | Channel | Frequency | Data Rate | RU      | Remark |
|--------|--------------|-------------|---------|-------------------|---------|-----------|-----------|---------|--------|
| Mode 1 | 2400-2483.5  | 2400-2483.5 | 3       | Bluetooth-LE_GSKF | 19      | 2440      | 1Mbps     | -       | -      |
|        | U-NII-1      | 5.15-5.25   | 4       | 802.11ax HE20     | 36      | 5180      | MCS0      | Full RU | -      |
|        | LTE Band 41C |             |         |                   |         |           |           |         |        |

### Summary of each worse mode

| Mode | Modulation        | Ch. | Freq. (MHz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Pol. | Peak Avg. | Result | Remark    |
|------|-------------------|-----|-------------|----------------|----------------|-------------|------|-----------|--------|-----------|
| 1    | Bluetooth-LE_GSKF | 19  | 2490.46     | 44.29          | 54.00          | -9.71       | H    | AVERAGE   | Pass   | Band Edge |
|      | Bluetooth-LE_GSKF | 19  | 4880.00     | 50.74          | 54.00          | -3.26       | H    | AVERAGE   | Pass   | Harmonic  |
| 1    | 802.11ax HE20     | 36  | 5149.65     | 50.39          | 54.00          | -3.61       | H    | AVERAGE   | Pass   | Band Edge |
|      | 802.11ax HE20     | 36  | 10360.00    | 44.85          | 68.20          | -23.35      | H    | PEAK      | Pass   | Harmonic  |

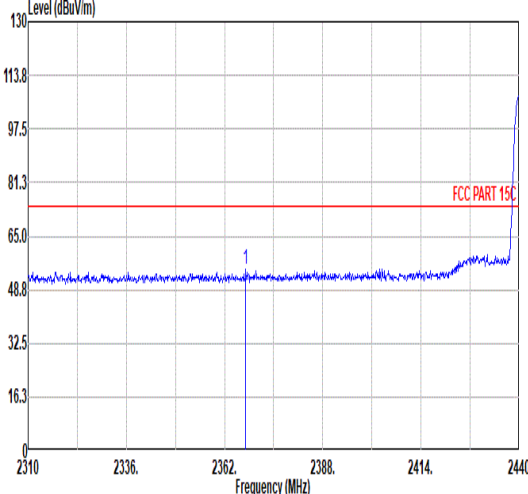
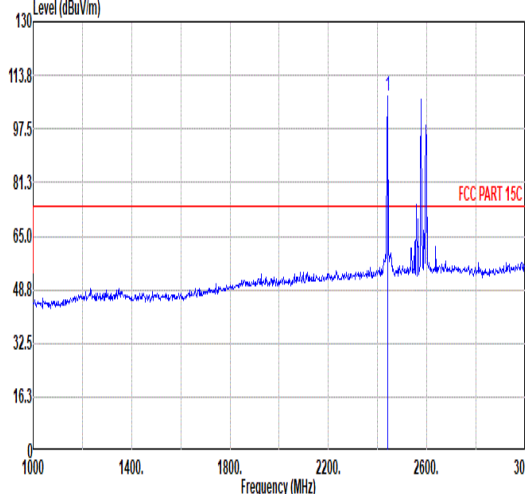
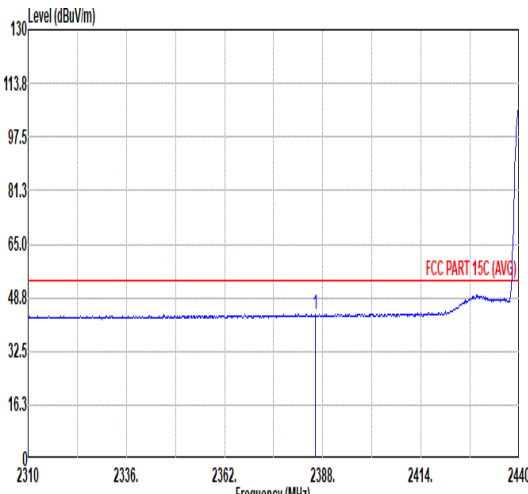
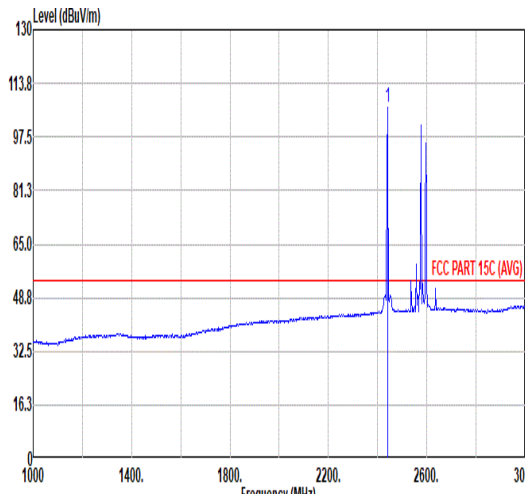


| Mode | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |        |        |        |        |                                                                                      |        |        |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |         |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------------------------------------------------------------------------------------|--------|--------|-----|-------|---------|-----|------|------|--|------|-------|------|--------|-------|--------|------|--------|--------|--------|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|------|-------|------|-----|-----|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|-------|------|-----|-------|--------|-----|------|------|--|------|-------|------|--------|-------|--------|------|--------|--------|--------|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|--------|-------|-------|-------|-------|------|-------|------|-----|-----|---------|
|      | Band Edge - L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |        |        |        |        |                                                                                      |        |        |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |         |
|      | 2400-2483.5_2400-2483.5_Bluetooth-LE_GSKF_CH19_2440MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |        |        |        |        |                                                                                      |        |        |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |         |
| ANT  | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |        |        |        |        |                                                                                      |        |        |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |         |
| Pol. | Horizontal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |        |        |        |        | Fundamental                                                                          |        |        |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |         |
| Peak |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |        |        |        |        |   |        |        |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |         |
|      | <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</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>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><tr><td>1</td><td>2376.69</td><td>54.35</td><td>74.00</td><td>-19.65</td><td>38.95</td><td>32.06</td><td>8.03</td><td>30.69</td><td>6.00</td><td>300</td><td>349</td><td>PEAK</td></tr></table>    |        |        |        |        |        |                                                                                      | Limit  | Read   | Ant | Cable | Preamp  | Aux | APos | TPos |  | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 2376.69 | 54.35 | 74.00 | -19.65 | 38.95 | 32.06 | 8.03 | 30.69 | 6.00 | 300 | 349 | PEAK    | <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</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>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><tr><td>1</td><td>2440.00</td><td>108.03</td><td>-----</td><td>-----</td><td>92.27</td><td>32.28</td><td>8.15</td><td>30.67</td><td>6.00</td><td>300</td><td>349</td><td>PEAK</td></tr></table>    |  |  |  |  |  |  | Limit | Read | Ant | Cable | Preamp | Aux | APos | TPos |  | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 2440.00 | 108.03 | ----- | ----- | 92.27 | 32.28 | 8.15 | 30.67 | 6.00 | 300 | 349 | PEAK    |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Limit  | Read   | Ant    | Cable  | Preamp | Aux                                                                                  | APos   | TPos   |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |         |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Line   | Margin | Level  | Factor | Loss   | Factor                                                                               | Factor | Remark |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |         |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | dBuV/m | dBuV/m | dB     | dBuV   | dB/m   | dB                                                                                   | dB     | cm     | deg |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |         |
| 1    | 2376.69                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 54.35  | 74.00  | -19.65 | 38.95  | 32.06  | 8.03                                                                                 | 30.69  | 6.00   | 300 | 349   | PEAK    |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |         |
|      | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Read   | Ant    | Cable  | Preamp | Aux    | APos                                                                                 | TPos   |        |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |         |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Line   | Margin | Level  | Factor | Loss   | Factor                                                                               | Factor | Remark |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |         |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | dBuV/m | dBuV/m | dB     | dBuV   | dB/m   | dB                                                                                   | dB     | cm     | deg |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |         |
| 1    | 2440.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 108.03 | -----  | -----  | 92.27  | 32.28  | 8.15                                                                                 | 30.67  | 6.00   | 300 | 349   | PEAK    |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |         |
| Avg  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |        |        |        |        |  |        |        |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |         |
|      | <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</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>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><tr><td>1</td><td>2383.84</td><td>43.66</td><td>54.00</td><td>-10.34</td><td>28.21</td><td>32.10</td><td>8.04</td><td>30.69</td><td>6.00</td><td>300</td><td>349</td><td>AVERAGE</td></tr></table> |        |        |        |        |        |                                                                                      | Limit  | Read   | Ant | Cable | Preamp  | Aux | APos | TPos |  | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 2383.84 | 43.66 | 54.00 | -10.34 | 28.21 | 32.10 | 8.04 | 30.69 | 6.00 | 300 | 349 | AVERAGE | <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</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>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><tr><td>1</td><td>2440.00</td><td>106.84</td><td>-----</td><td>-----</td><td>91.08</td><td>32.28</td><td>8.15</td><td>30.67</td><td>6.00</td><td>300</td><td>349</td><td>AVERAGE</td></tr></table> |  |  |  |  |  |  | Limit | Read | Ant | Cable | Preamp | Aux | APos | TPos |  | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 2440.00 | 106.84 | ----- | ----- | 91.08 | 32.28 | 8.15 | 30.67 | 6.00 | 300 | 349 | AVERAGE |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Limit  | Read   | Ant    | Cable  | Preamp | Aux                                                                                  | APos   | TPos   |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |         |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Line   | Margin | Level  | Factor | Loss   | Factor                                                                               | Factor | Remark |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |         |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | dBuV/m | dBuV/m | dB     | dBuV   | dB/m   | dB                                                                                   | dB     | cm     | deg |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |         |
| 1    | 2383.84                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 43.66  | 54.00  | -10.34 | 28.21  | 32.10  | 8.04                                                                                 | 30.69  | 6.00   | 300 | 349   | AVERAGE |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |         |
|      | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Read   | Ant    | Cable  | Preamp | Aux    | APos                                                                                 | TPos   |        |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |         |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Line   | Margin | Level  | Factor | Loss   | Factor                                                                               | Factor | Remark |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |         |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | dBuV/m | dBuV/m | dB     | dBuV   | dB/m   | dB                                                                                   | dB     | cm     | deg |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |         |
| 1    | 2440.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 106.84 | -----  | -----  | 91.08  | 32.28  | 8.15                                                                                 | 30.67  | 6.00   | 300 | 349   | AVERAGE |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |         |



| Mode | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |        |        |        |       |        |        |        |      |     |         |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |       |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------|--------|--------|-------|--------|--------|--------|------|-----|---------|-------|------|--------|-------|--------|------|--------|--------|--------|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|------|-------|------|-----|-----|---------|-------|
|      | Band Edge - R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |             |        |        |        |       |        |        |        |      |     |         |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |       |
|      | 2400-2483.5_2400-2483.5_Bluetooth-LE_GSKF_CH19_2440MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             |        |        |        |       |        |        |        |      |     |         |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |       |
| ANT  | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |        |        |        |       |        |        |        |      |     |         |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |       |
| Pol. | Horizontal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Fundamental |        |        |        |       |        |        |        |      |     |         |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |       |
| Peak | <div><table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</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>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><tr><td>1</td><td>2495.44</td><td>54.75</td><td>74.00</td><td>-19.25</td><td>38.75</td><td>32.39</td><td>8.26</td><td>30.65</td><td>6.00</td><td>300</td><td>349</td><td>PEAK</td></tr></table></div>   |             | Limit  | Read   | Ant    | Cable | Preamp | Aux    | APos   | TPos |     | Freq    | Level | Line | Margin | Level | Factor | Loss | Factor | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 2495.44 | 54.75 | 74.00 | -19.25 | 38.75 | 32.39 | 8.26 | 30.65 | 6.00 | 300 | 349 | PEAK    | Blank |
|      | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Read        | Ant    | Cable  | Preamp | Aux   | APos   | TPos   |        |      |     |         |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |       |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Line        | Margin | Level  | Factor | Loss  | Factor | Factor | Remark |      |     |         |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |       |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | dBuV/m      | dBuV/m | dB     | dBuV   | dB/m  | dB     | dB     | cm     | deg  |     |         |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |       |
| 1    | 2495.44                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 54.75       | 74.00  | -19.25 | 38.75  | 32.39 | 8.26   | 30.65  | 6.00   | 300  | 349 | PEAK    |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |       |
| Avg  | <div><table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</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>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><tr><td>1</td><td>2490.46</td><td>44.29</td><td>54.00</td><td>-9.71</td><td>28.31</td><td>32.38</td><td>8.25</td><td>30.65</td><td>6.00</td><td>300</td><td>349</td><td>AVERAGE</td></tr></table></div> |             | Limit  | Read   | Ant    | Cable | Preamp | Aux    | APos   | TPos |     | Freq    | Level | Line | Margin | Level | Factor | Loss | Factor | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 2490.46 | 44.29 | 54.00 | -9.71  | 28.31 | 32.38 | 8.25 | 30.65 | 6.00 | 300 | 349 | AVERAGE | Blank |
|      | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Read        | Ant    | Cable  | Preamp | Aux   | APos   | TPos   |        |      |     |         |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |       |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Line        | Margin | Level  | Factor | Loss  | Factor | Factor | Remark |      |     |         |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |       |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | dBuV/m      | dBuV/m | dB     | dBuV   | dB/m  | dB     | dB     | cm     | deg  |     |         |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |       |
| 1    | 2490.46                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 44.29       | 54.00  | -9.71  | 28.31  | 32.38 | 8.25   | 30.65  | 6.00   | 300  | 349 | AVERAGE |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |         |       |

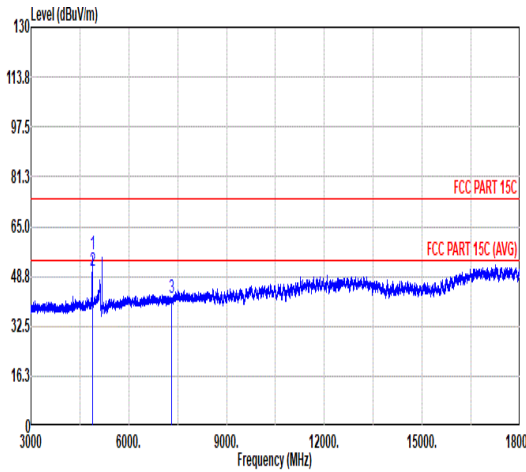
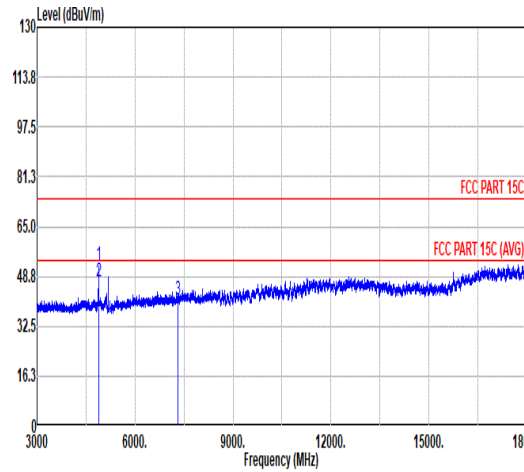


| Mode | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |        |        |        |       |                                                                                      |        |        |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |    |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|-------|--------------------------------------------------------------------------------------|--------|--------|-----|-------|---------|-----|------|------|--|------|-------|------|--------|-------|--------|------|--------|--------|--------|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|------|-------|------|-----|----|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|-------|------|-----|-------|--------|-----|------|------|--|------|-------|------|--------|-------|--------|------|--------|--------|--------|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|--------|-------|-------|-------|-------|------|-------|------|-----|----|
|      | Band Edge - L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |        |        |        |       |                                                                                      |        |        |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |    |
|      | 2400-2483.5_2400-2483.5_Bluetooth-LE_GSKF_CH19_2440MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |        |        |        |       |                                                                                      |        |        |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |    |
| ANT  | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |        |        |        |       |                                                                                      |        |        |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |    |
| Pol. | Vertical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |        |        |        |       | Fundamental                                                                          |        |        |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |    |
| Peak |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |        |        |        |       |   |        |        |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |    |
|      | <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</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>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><tr><td>1</td><td>2367.59</td><td>54.72</td><td>74.00</td><td>-19.28</td><td>39.39</td><td>32.01</td><td>8.02</td><td>30.70</td><td>6.00</td><td>397</td><td>45</td><td>PEAK</td></tr></table>    |        |        |        |        |       |                                                                                      | Limit  | Read   | Ant | Cable | Preamp  | Aux | APos | TPos |  | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 2367.59 | 54.72 | 74.00 | -19.28 | 39.39 | 32.01 | 8.02 | 30.70 | 6.00 | 397 | 45 | PEAK    | <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</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>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><tr><td>1</td><td>2440.00</td><td>107.48</td><td>-----</td><td>-----</td><td>91.72</td><td>32.28</td><td>8.15</td><td>30.67</td><td>6.00</td><td>397</td><td>45</td><td>PEAK</td></tr></table>    |  |  |  |  |  |  | Limit | Read | Ant | Cable | Preamp | Aux | APos | TPos |  | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 2440.00 | 107.48 | ----- | ----- | 91.72 | 32.28 | 8.15 | 30.67 | 6.00 | 397 | 45 |
|      | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Read   | Ant    | Cable  | Preamp | Aux   | APos                                                                                 | TPos   |        |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |    |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Line   | Margin | Level  | Factor | Loss  | Factor                                                                               | Factor | Remark |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |    |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | dBuV/m | dBuV/m | dB     | dBuV   | dB/m  | dB                                                                                   | dB     | cm     | deg |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |    |
| 1    | 2367.59                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 54.72  | 74.00  | -19.28 | 39.39  | 32.01 | 8.02                                                                                 | 30.70  | 6.00   | 397 | 45    | PEAK    |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |    |
|      | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Read   | Ant    | Cable  | Preamp | Aux   | APos                                                                                 | TPos   |        |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |    |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Line   | Margin | Level  | Factor | Loss  | Factor                                                                               | Factor | Remark |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |    |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | dBuV/m | dBuV/m | dB     | dBuV   | dB/m  | dB                                                                                   | dB     | cm     | deg |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |    |
| 1    | 2440.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 107.48 | -----  | -----  | 91.72  | 32.28 | 8.15                                                                                 | 30.67  | 6.00   | 397 | 45    | PEAK    |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |    |
| Avg  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |        |        |        |       |  |        |        |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |    |
|      | <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</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>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><tr><td>1</td><td>2386.05</td><td>43.84</td><td>54.00</td><td>-10.16</td><td>28.36</td><td>32.12</td><td>8.05</td><td>30.69</td><td>6.00</td><td>397</td><td>45</td><td>AVERAGE</td></tr></table> |        |        |        |        |       |                                                                                      | Limit  | Read   | Ant | Cable | Preamp  | Aux | APos | TPos |  | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 2386.05 | 43.84 | 54.00 | -10.16 | 28.36 | 32.12 | 8.05 | 30.69 | 6.00 | 397 | 45 | AVERAGE | <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</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>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><tr><td>1</td><td>2440.00</td><td>106.28</td><td>-----</td><td>-----</td><td>90.52</td><td>32.28</td><td>8.15</td><td>30.67</td><td>6.00</td><td>397</td><td>45</td><td>AVERAGE</td></tr></table> |  |  |  |  |  |  | Limit | Read | Ant | Cable | Preamp | Aux | APos | TPos |  | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 2440.00 | 106.28 | ----- | ----- | 90.52 | 32.28 | 8.15 | 30.67 | 6.00 | 397 | 45 |
|      | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Read   | Ant    | Cable  | Preamp | Aux   | APos                                                                                 | TPos   |        |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |    |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Line   | Margin | Level  | Factor | Loss  | Factor                                                                               | Factor | Remark |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |    |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | dBuV/m | dBuV/m | dB     | dBuV   | dB/m  | dB                                                                                   | dB     | cm     | deg |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |    |
| 1    | 2386.05                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 43.84  | 54.00  | -10.16 | 28.36  | 32.12 | 8.05                                                                                 | 30.69  | 6.00   | 397 | 45    | AVERAGE |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |    |
|      | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Read   | Ant    | Cable  | Preamp | Aux   | APos                                                                                 | TPos   |        |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |    |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Line   | Margin | Level  | Factor | Loss  | Factor                                                                               | Factor | Remark |     |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |    |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | dBuV/m | dBuV/m | dB     | dBuV   | dB/m  | dB                                                                                   | dB     | cm     | deg |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |    |
| 1    | 2440.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 106.28 | -----  | -----  | 90.52  | 32.28 | 8.15                                                                                 | 30.67  | 6.00   | 397 | 45    | AVERAGE |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |    |

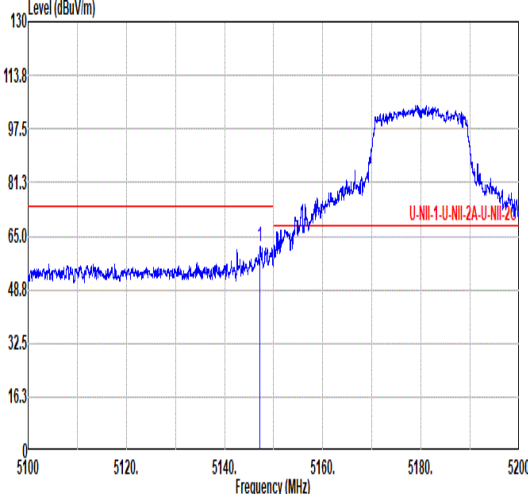
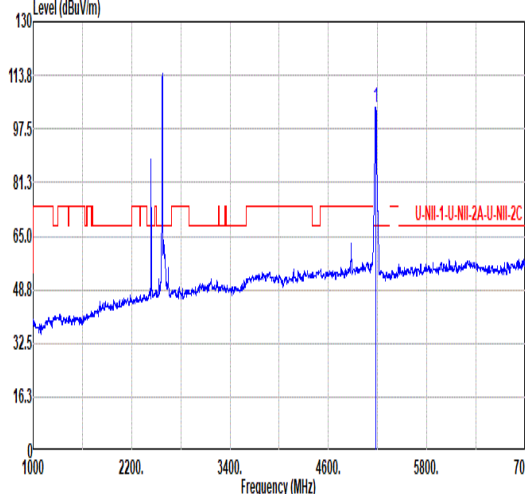
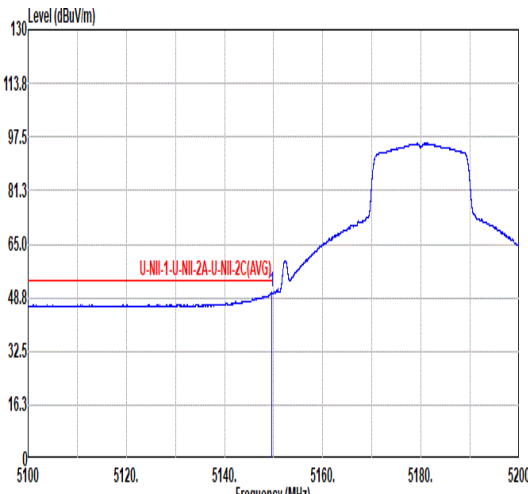
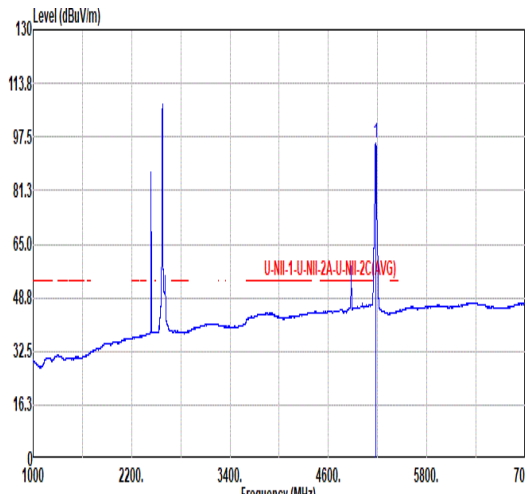


| Mode | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             |        |        |        |       |        |        |        |      |    |         |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |       |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------|--------|--------|-------|--------|--------|--------|------|----|---------|-------|------|--------|-------|--------|------|--------|--------|--------|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|------|-------|------|-----|----|---------|-------|
|      | Band Edge - R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |        |        |        |       |        |        |        |      |    |         |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |       |
|      | 2400-2483.5_2400-2483.5_Bluetooth-LE_GSKF_CH19_2440MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |             |        |        |        |       |        |        |        |      |    |         |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |       |
| ANT  | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             |        |        |        |       |        |        |        |      |    |         |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |       |
| Pol. | Vertical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Fundamental |        |        |        |       |        |        |        |      |    |         |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |       |
| Peak | <div><table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</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>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><tr><td>1</td><td>2493.16</td><td>55.44</td><td>74.00</td><td>-18.56</td><td>39.45</td><td>32.39</td><td>8.25</td><td>30.65</td><td>6.00</td><td>397</td><td>45</td><td>PEAK</td></tr></table></div>   |             | Limit  | Read   | Ant    | Cable | Preamp | Aux    | APos   | TPos |    | Freq    | Level | Line | Margin | Level | Factor | Loss | Factor | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 2493.16 | 55.44 | 74.00 | -18.56 | 39.45 | 32.39 | 8.25 | 30.65 | 6.00 | 397 | 45 | PEAK    | Blank |
|      | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Read        | Ant    | Cable  | Preamp | Aux   | APos   | TPos   |        |      |    |         |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |       |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Line        | Margin | Level  | Factor | Loss  | Factor | Factor | Remark |      |    |         |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |       |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | dBuV/m      | dBuV/m | dB     | dBuV   | dB/m  | dB     | dB     | cm     | deg  |    |         |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |       |
| 1    | 2493.16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 55.44       | 74.00  | -18.56 | 39.45  | 32.39 | 8.25   | 30.65  | 6.00   | 397  | 45 | PEAK    |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |       |
| Avg  | <div><table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</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>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><tr><td>1</td><td>2496.10</td><td>44.10</td><td>54.00</td><td>-9.90</td><td>28.10</td><td>32.39</td><td>8.26</td><td>30.65</td><td>6.00</td><td>397</td><td>45</td><td>AVERAGE</td></tr></table></div> |             | Limit  | Read   | Ant    | Cable | Preamp | Aux    | APos   | TPos |    | Freq    | Level | Line | Margin | Level | Factor | Loss | Factor | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 2496.10 | 44.10 | 54.00 | -9.90  | 28.10 | 32.39 | 8.26 | 30.65 | 6.00 | 397 | 45 | AVERAGE | Blank |
|      | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Read        | Ant    | Cable  | Preamp | Aux   | APos   | TPos   |        |      |    |         |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |       |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Line        | Margin | Level  | Factor | Loss  | Factor | Factor | Remark |      |    |         |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |       |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | dBuV/m      | dBuV/m | dB     | dBuV   | dB/m  | dB     | dB     | cm     | deg  |    |         |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |       |
| 1    | 2496.10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 44.10       | 54.00  | -9.90  | 28.10  | 32.39 | 8.26   | 30.65  | 6.00   | 397  | 45 | AVERAGE |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |    |         |       |

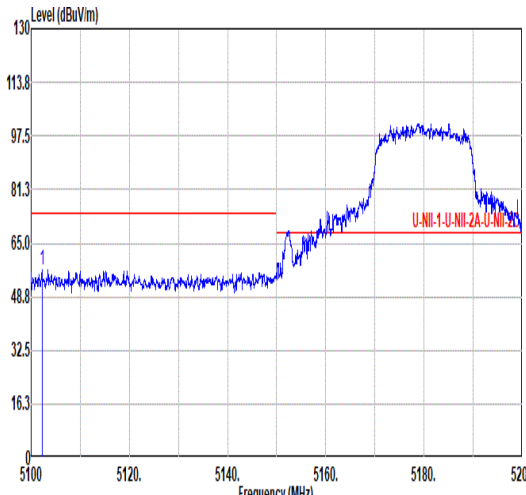
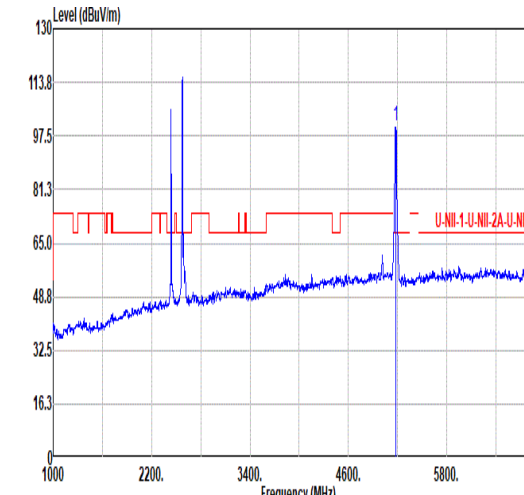
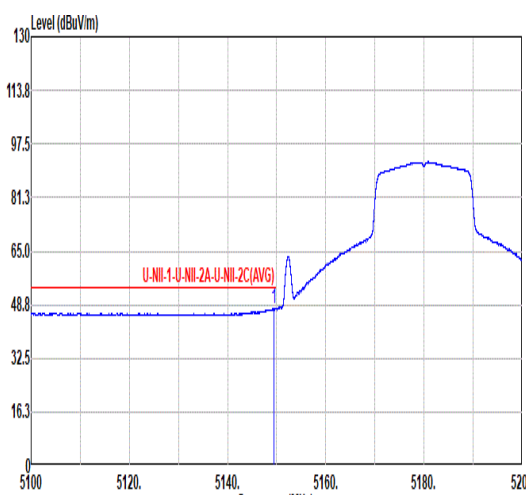
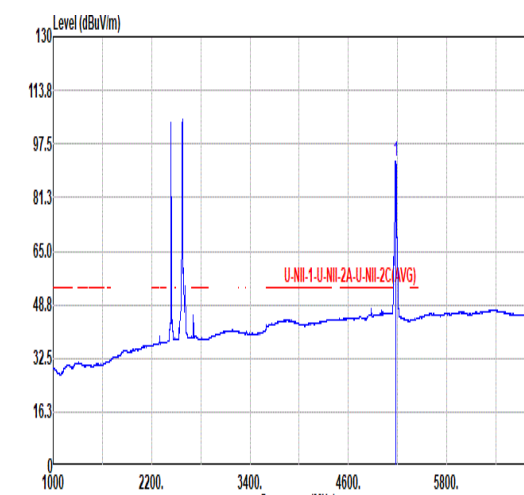


| Mode            | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |        |        |        |        |                                                                                     |        |        |        |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |    |      |   |         |       |       |       |       |       |       |       |      |     |    |         |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |       |       |       |       |      |     |     |         |   |         |       |       |        |       |       |       |       |      |    |    |      |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|-------------------------------------------------------------------------------------|--------|--------|--------|-------|---------|-----|------|------|--|------|-------|------|--------|-------|--------|------|--------|--------|--------|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|-------|-------|------|-----|----|------|---|---------|-------|-------|-------|-------|-------|-------|-------|------|-----|----|---------|---|---------|-------|-------|--------|-------|-------|-------|-------|------|----|----|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|-------|------|-----|-------|--------|-----|------|------|--|------|-------|------|--------|-------|--------|------|--------|--------|--------|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|-------|-------|------|-----|-----|------|---|---------|-------|-------|-------|-------|-------|-------|-------|------|-----|-----|---------|---|---------|-------|-------|--------|-------|-------|-------|-------|------|----|----|------|
|                 | Harmonic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |        |        |        |        |                                                                                     |        |        |        |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |    |      |   |         |       |       |       |       |       |       |       |      |     |    |         |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |       |       |       |       |      |     |     |         |   |         |       |       |        |       |       |       |       |      |    |    |      |
|                 | 2400-2483.5_2400-2483.5_Bluetooth-LE_GSKF_CH19_2440MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |        |        |        |        |                                                                                     |        |        |        |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |    |      |   |         |       |       |       |       |       |       |       |      |     |    |         |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |       |       |       |       |      |     |     |         |   |         |       |       |        |       |       |       |       |      |    |    |      |
| ANT             | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |        |        |        |        |                                                                                     |        |        |        |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |    |      |   |         |       |       |       |       |       |       |       |      |     |    |         |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |       |       |       |       |      |     |     |         |   |         |       |       |        |       |       |       |       |      |    |    |      |
| 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>Aux</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>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><tr><td>1</td><td>4880.00</td><td>56.06</td><td>74.00</td><td>-17.94</td><td>75.48</td><td>34.14</td><td>11.69</td><td>65.25</td><td>0.00</td><td>100</td><td>57</td><td>PEAK</td></tr><tr><td>2</td><td>4880.00</td><td>50.74</td><td>54.00</td><td>-3.26</td><td>70.16</td><td>34.14</td><td>11.69</td><td>65.25</td><td>0.00</td><td>100</td><td>57</td><td>AVERAGE</td></tr><tr><td>3</td><td>7320.00</td><td>41.79</td><td>74.00</td><td>-32.21</td><td>58.99</td><td>35.76</td><td>14.49</td><td>67.45</td><td>0.00</td><td>--</td><td>--</td><td>PEAK</td></tr></table> |        |        |        |        |        |                                                                                     | Limit  | Read   | Ant    | Cable | Preamp  | Aux | APos | TPos |  | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 4880.00 | 56.06 | 74.00 | -17.94 | 75.48 | 34.14 | 11.69 | 65.25 | 0.00 | 100 | 57 | PEAK | 2 | 4880.00 | 50.74 | 54.00 | -3.26 | 70.16 | 34.14 | 11.69 | 65.25 | 0.00 | 100 | 57 | AVERAGE | 3 | 7320.00 | 41.79 | 74.00 | -32.21 | 58.99 | 35.76 | 14.49 | 67.45 | 0.00 | -- | -- | PEAK | <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</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>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><tr><td>1</td><td>4880.00</td><td>52.43</td><td>74.00</td><td>-21.57</td><td>71.85</td><td>34.14</td><td>11.69</td><td>65.25</td><td>0.00</td><td>366</td><td>211</td><td>PEAK</td></tr><tr><td>2</td><td>4880.00</td><td>47.14</td><td>54.00</td><td>-6.86</td><td>66.56</td><td>34.14</td><td>11.69</td><td>65.25</td><td>0.00</td><td>366</td><td>211</td><td>AVERAGE</td></tr><tr><td>3</td><td>7320.00</td><td>41.30</td><td>74.00</td><td>-32.70</td><td>58.50</td><td>35.76</td><td>14.49</td><td>67.45</td><td>0.00</td><td>--</td><td>--</td><td>PEAK</td></tr></table> |  |  |  |  |  |  | Limit | Read | Ant | Cable | Preamp | Aux | APos | TPos |  | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 4880.00 | 52.43 | 74.00 | -21.57 | 71.85 | 34.14 | 11.69 | 65.25 | 0.00 | 366 | 211 | PEAK | 2 | 4880.00 | 47.14 | 54.00 | -6.86 | 66.56 | 34.14 | 11.69 | 65.25 | 0.00 | 366 | 211 | AVERAGE | 3 | 7320.00 | 41.30 | 74.00 | -32.70 | 58.50 | 35.76 | 14.49 | 67.45 | 0.00 | -- | -- | PEAK |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Limit  | Read   | Ant    | Cable  | Preamp | Aux                                                                                 | APos   | TPos   |        |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |    |      |   |         |       |       |       |       |       |       |       |      |     |    |         |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |       |       |       |       |      |     |     |         |   |         |       |       |        |       |       |       |       |      |    |    |      |
|                 | Freq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Level  | Line   | Margin | Level  | Factor | Loss                                                                                | Factor | Factor | Remark |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |    |      |   |         |       |       |       |       |       |       |       |      |     |    |         |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |       |       |       |       |      |     |     |         |   |         |       |       |        |       |       |       |       |      |    |    |      |
|                 | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | dBuV/m | dBuV/m | dB     | dBuV   | dB/m   | dB                                                                                  | dB     | cm     | deg    |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |    |      |   |         |       |       |       |       |       |       |       |      |     |    |         |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |       |       |       |       |      |     |     |         |   |         |       |       |        |       |       |       |       |      |    |    |      |
| 1               | 4880.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 56.06  | 74.00  | -17.94 | 75.48  | 34.14  | 11.69                                                                               | 65.25  | 0.00   | 100    | 57    | PEAK    |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |    |      |   |         |       |       |       |       |       |       |       |      |     |    |         |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |       |       |       |       |      |     |     |         |   |         |       |       |        |       |       |       |       |      |    |    |      |
| 2               | 4880.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 50.74  | 54.00  | -3.26  | 70.16  | 34.14  | 11.69                                                                               | 65.25  | 0.00   | 100    | 57    | AVERAGE |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |    |      |   |         |       |       |       |       |       |       |       |      |     |    |         |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |       |       |       |       |      |     |     |         |   |         |       |       |        |       |       |       |       |      |    |    |      |
| 3               | 7320.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 41.79  | 74.00  | -32.21 | 58.99  | 35.76  | 14.49                                                                               | 67.45  | 0.00   | --     | --    | PEAK    |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |    |      |   |         |       |       |       |       |       |       |       |      |     |    |         |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |       |       |       |       |      |     |     |         |   |         |       |       |        |       |       |       |       |      |    |    |      |
|                 | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Read   | Ant    | Cable  | Preamp | Aux    | APos                                                                                | TPos   |        |        |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |    |      |   |         |       |       |       |       |       |       |       |      |     |    |         |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |       |       |       |       |      |     |     |         |   |         |       |       |        |       |       |       |       |      |    |    |      |
| Freq            | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Line   | Margin | Level  | Factor | Loss   | Factor                                                                              | Factor | Remark |        |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |    |      |   |         |       |       |       |       |       |       |       |      |     |    |         |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |       |       |       |       |      |     |     |         |   |         |       |       |        |       |       |       |       |      |    |    |      |
|                 | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | dBuV/m | dBuV/m | dB     | dBuV   | dB/m   | dB                                                                                  | dB     | cm     | deg    |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |    |      |   |         |       |       |       |       |       |       |       |      |     |    |         |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |       |       |       |       |      |     |     |         |   |         |       |       |        |       |       |       |       |      |    |    |      |
| 1               | 4880.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 52.43  | 74.00  | -21.57 | 71.85  | 34.14  | 11.69                                                                               | 65.25  | 0.00   | 366    | 211   | PEAK    |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |    |      |   |         |       |       |       |       |       |       |       |      |     |    |         |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |       |       |       |       |      |     |     |         |   |         |       |       |        |       |       |       |       |      |    |    |      |
| 2               | 4880.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 47.14  | 54.00  | -6.86  | 66.56  | 34.14  | 11.69                                                                               | 65.25  | 0.00   | 366    | 211   | AVERAGE |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |    |      |   |         |       |       |       |       |       |       |       |      |     |    |         |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |       |       |       |       |      |     |     |         |   |         |       |       |        |       |       |       |       |      |    |    |      |
| 3               | 7320.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 41.30  | 74.00  | -32.70 | 58.50  | 35.76  | 14.49                                                                               | 67.45  | 0.00   | --     | --    | PEAK    |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |    |      |   |         |       |       |       |       |       |       |       |      |     |    |         |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |       |       |       |       |      |     |     |         |   |         |       |       |        |       |       |       |       |      |    |    |      |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |        |        |        |        |                                                                                     |        |        |        |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |    |      |   |         |       |       |       |       |       |       |       |      |     |    |         |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |       |       |       |       |      |     |     |         |   |         |       |       |        |       |       |       |       |      |    |    |      |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |        |        |        |        |                                                                                     |        |        |        |       |         |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |    |      |   |         |       |       |       |       |       |       |       |      |     |    |         |   |         |       |       |        |       |       |       |       |      |    |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |       |       |       |       |      |     |     |         |   |         |       |       |        |       |       |       |       |      |    |    |      |

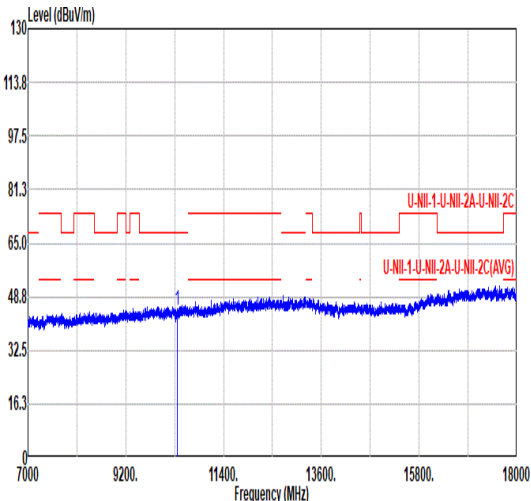
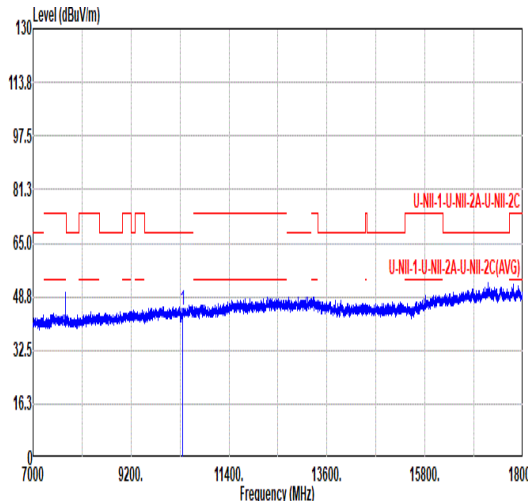


| Mode | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |        |        |        |       |             |        |        |     |     |         |                                                                                      |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |       |       |      |     |     |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|-------|-------------|--------|--------|-----|-----|---------|--------------------------------------------------------------------------------------|-------|------|-----|-------|--------|-----|------|------|--|------|-------|------|--------|-------|--------|------|--------|--------|--------|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|-------|-------|------|-----|-----|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|-------|------|-----|-------|--------|-----|------|------|--|------|-------|------|--------|-------|--------|------|--------|--------|--------|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|--------|-------|-------|-------|-------|-------|-------|------|-----|-----|
|      | Band Edge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |        |        |        |       |             |        |        |     |     |         |                                                                                      |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |       |       |      |     |     |
|      | U-NII-1_5.15-5.25_802.11ax HE20_CH36_Full RU_5180MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |        |        |        |       |             |        |        |     |     |         |                                                                                      |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |       |       |      |     |     |
| ANT  | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |        |        |        |       |             |        |        |     |     |         |                                                                                      |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |       |       |      |     |     |
| Pol. | Horizontal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |        |        |        |       | Fundamental |        |        |     |     |         |                                                                                      |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |       |       |      |     |     |
| Peak |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |        |        |        |       |             |        |        |     |     |         |   |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |       |       |      |     |     |
|      | <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</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>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><tr><td>1</td><td>5147.25</td><td>62.01</td><td>74.00</td><td>-11.99</td><td>45.74</td><td>34.11</td><td>12.03</td><td>29.87</td><td>0.00</td><td>105</td><td>246</td><td>PEAK</td></tr></table>   |        |        |        |        |       |             |        |        |     |     |         |                                                                                      | Limit | Read | Ant | Cable | Preamp | Aux | APos | TPos |  | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 5147.25 | 62.01 | 74.00 | -11.99 | 45.74 | 34.11 | 12.03 | 29.87 | 0.00 | 105 | 246 | PEAK    | <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</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>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><tr><td>1</td><td>5180.00</td><td>104.18</td><td>-----</td><td>-----</td><td>87.78</td><td>34.22</td><td>12.06</td><td>29.88</td><td>0.00</td><td>105</td><td>246</td><td>PEAK</td></tr></table>   |  |  |  |  |  |  |  |  |  |  |  |  | Limit | Read | Ant | Cable | Preamp | Aux | APos | TPos |  | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 5180.00 | 104.18 | ----- | ----- | 87.78 | 34.22 | 12.06 | 29.88 | 0.00 | 105 | 246 |
|      | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Read   | Ant    | Cable  | Preamp | Aux   | APos        | TPos   |        |     |     |         |                                                                                      |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |       |       |      |     |     |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Line   | Margin | Level  | Factor | Loss  | Factor      | Factor | Remark |     |     |         |                                                                                      |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |       |       |      |     |     |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | dBuV/m | dBuV/m | dB     | dBuV   | dB/m  | dB          | dB     | cm     | deg |     |         |                                                                                      |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |       |       |      |     |     |
| 1    | 5147.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 62.01  | 74.00  | -11.99 | 45.74  | 34.11 | 12.03       | 29.87  | 0.00   | 105 | 246 | PEAK    |                                                                                      |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |       |       |      |     |     |
|      | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Read   | Ant    | Cable  | Preamp | Aux   | APos        | TPos   |        |     |     |         |                                                                                      |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |       |       |      |     |     |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Line   | Margin | Level  | Factor | Loss  | Factor      | Factor | Remark |     |     |         |                                                                                      |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |       |       |      |     |     |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | dBuV/m | dBuV/m | dB     | dBuV   | dB/m  | dB          | dB     | cm     | deg |     |         |                                                                                      |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |       |       |      |     |     |
| 1    | 5180.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 104.18 | -----  | -----  | 87.78  | 34.22 | 12.06       | 29.88  | 0.00   | 105 | 246 | PEAK    |                                                                                      |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |       |       |      |     |     |
| Avg  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |        |        |        |       |             |        |        |     |     |         |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |       |       |      |     |     |
|      | <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</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>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><tr><td>1</td><td>5149.65</td><td>50.39</td><td>54.00</td><td>-3.61</td><td>34.13</td><td>34.10</td><td>12.03</td><td>29.87</td><td>0.00</td><td>105</td><td>246</td><td>AVERAGE</td></tr></table> |        |        |        |        |       |             |        |        |     |     |         |                                                                                      | Limit | Read | Ant | Cable | Preamp | Aux | APos | TPos |  | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 5149.65 | 50.39 | 54.00 | -3.61  | 34.13 | 34.10 | 12.03 | 29.87 | 0.00 | 105 | 246 | AVERAGE | <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</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>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><tr><td>1</td><td>5180.00</td><td>95.61</td><td>-----</td><td>-----</td><td>79.21</td><td>34.22</td><td>12.06</td><td>29.88</td><td>0.00</td><td>105</td><td>246</td><td>AVERAGE</td></tr></table> |  |  |  |  |  |  |  |  |  |  |  |  | Limit | Read | Ant | Cable | Preamp | Aux | APos | TPos |  | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 5180.00 | 95.61  | ----- | ----- | 79.21 | 34.22 | 12.06 | 29.88 | 0.00 | 105 | 246 |
|      | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Read   | Ant    | Cable  | Preamp | Aux   | APos        | TPos   |        |     |     |         |                                                                                      |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |       |       |      |     |     |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Line   | Margin | Level  | Factor | Loss  | Factor      | Factor | Remark |     |     |         |                                                                                      |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |       |       |      |     |     |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | dBuV/m | dBuV/m | dB     | dBuV   | dB/m  | dB          | dB     | cm     | deg |     |         |                                                                                      |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |       |       |      |     |     |
| 1    | 5149.65                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 50.39  | 54.00  | -3.61  | 34.13  | 34.10 | 12.03       | 29.87  | 0.00   | 105 | 246 | AVERAGE |                                                                                      |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |       |       |      |     |     |
|      | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Read   | Ant    | Cable  | Preamp | Aux   | APos        | TPos   |        |     |     |         |                                                                                      |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |       |       |      |     |     |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Line   | Margin | Level  | Factor | Loss  | Factor      | Factor | Remark |     |     |         |                                                                                      |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |       |       |      |     |     |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | dBuV/m | dBuV/m | dB     | dBuV   | dB/m  | dB          | dB     | cm     | deg |     |         |                                                                                      |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |       |       |      |     |     |
| 1    | 5180.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 95.61  | -----  | -----  | 79.21  | 34.22 | 12.06       | 29.88  | 0.00   | 105 | 246 | AVERAGE |                                                                                      |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |       |       |      |     |     |



| Mode | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |        |        |        |       |             |        |        |     |    |         |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |        |       |       |       |       |      |     |    |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|-------|-------------|--------|--------|-----|----|---------|--|-------|------|-----|-------|--------|-----|------|------|--|------|-------|------|--------|-------|--------|------|--------|--------|--------|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|--------|-------|--------|-------|-------|-------|-------|------|-----|----|
|      | Band Edge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |        |        |        |       |             |        |        |     |    |         |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |        |       |       |       |       |      |     |    |
|      | U-NII-1_5.15-5.25_802.11ax HE20_CH36_Full RU_5180MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |        |        |        |       |             |        |        |     |    |         |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |        |       |       |       |       |      |     |    |
| ANT  | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |        |        |        |       |             |        |        |     |    |         |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |        |       |       |       |       |      |     |    |
| Pol. | Vertical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |        |        |        |       | Fundamental |        |        |     |    |         |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |        |       |       |       |       |      |     |    |
| Peak |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |        |        |        |       |             |        |        |     |    |         |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |        |       |       |       |       |      |     |    |
|      | <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</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>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><tr><td>1</td><td>5102.25</td><td>57.06</td><td>74.00</td><td>-16.94</td><td>40.62</td><td>34.29</td><td>12.00</td><td>29.85</td><td>0.00</td><td>338</td><td>50</td><td>PEAK</td></tr></table>   |        |        |        |        |       |             |        |        |     |    |         |  | Limit | Read | Ant | Cable | Preamp | Aux | APos | TPos |  | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 5102.25 | 57.06  | 74.00 | -16.94 | 40.62 | 34.29 | 12.00 | 29.85 | 0.00 | 338 | 50 |
|      | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Read   | Ant    | Cable  | Preamp | Aux   | APos        | TPos   |        |     |    |         |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |        |       |       |       |       |      |     |    |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Line   | Margin | Level  | Factor | Loss  | Factor      | Factor | Remark |     |    |         |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |        |       |       |       |       |      |     |    |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | dBuV/m | dBuV/m | dB     | dBuV   | dB/m  | dB          | dB     | cm     | deg |    |         |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |        |       |       |       |       |      |     |    |
| 1    | 5102.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 57.06  | 74.00  | -16.94 | 40.62  | 34.29 | 12.00       | 29.85  | 0.00   | 338 | 50 | PEAK    |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |        |       |       |       |       |      |     |    |
| Peak |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |        |        |        |       |             |        |        |     |    |         |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |        |       |       |       |       |      |     |    |
|      | <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</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>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><tr><td>1</td><td>5180.00</td><td>100.33</td><td>-----</td><td>-----</td><td>83.93</td><td>34.22</td><td>12.06</td><td>29.88</td><td>0.00</td><td>338</td><td>50</td><td>PEAK</td></tr></table>   |        |        |        |        |       |             |        |        |     |    |         |  | Limit | Read | Ant | Cable | Preamp | Aux | APos | TPos |  | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 5180.00 | 100.33 | ----- | -----  | 83.93 | 34.22 | 12.06 | 29.88 | 0.00 | 338 | 50 |
|      | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Read   | Ant    | Cable  | Preamp | Aux   | APos        | TPos   |        |     |    |         |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |        |       |       |       |       |      |     |    |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Line   | Margin | Level  | Factor | Loss  | Factor      | Factor | Remark |     |    |         |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |        |       |       |       |       |      |     |    |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | dBuV/m | dBuV/m | dB     | dBuV   | dB/m  | dB          | dB     | cm     | deg |    |         |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |        |       |       |       |       |      |     |    |
| 1    | 5180.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 100.33 | -----  | -----  | 83.93  | 34.22 | 12.06       | 29.88  | 0.00   | 338 | 50 | PEAK    |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |        |       |       |       |       |      |     |    |
| Avg  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |        |        |        |       |             |        |        |     |    |         |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |        |       |       |       |       |      |     |    |
|      | <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</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>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><tr><td>1</td><td>5149.45</td><td>47.65</td><td>54.00</td><td>-6.35</td><td>31.39</td><td>34.10</td><td>12.03</td><td>29.87</td><td>0.00</td><td>338</td><td>50</td><td>AVERAGE</td></tr></table> |        |        |        |        |       |             |        |        |     |    |         |  | Limit | Read | Ant | Cable | Preamp | Aux | APos | TPos |  | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 5149.45 | 47.65  | 54.00 | -6.35  | 31.39 | 34.10 | 12.03 | 29.87 | 0.00 | 338 | 50 |
|      | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Read   | Ant    | Cable  | Preamp | Aux   | APos        | TPos   |        |     |    |         |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |        |       |       |       |       |      |     |    |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Line   | Margin | Level  | Factor | Loss  | Factor      | Factor | Remark |     |    |         |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |        |       |       |       |       |      |     |    |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | dBuV/m | dBuV/m | dB     | dBuV   | dB/m  | dB          | dB     | cm     | deg |    |         |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |        |       |       |       |       |      |     |    |
| 1    | 5149.45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 47.65  | 54.00  | -6.35  | 31.39  | 34.10 | 12.03       | 29.87  | 0.00   | 338 | 50 | AVERAGE |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |        |       |       |       |       |      |     |    |
| Avg  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |        |        |        |       |             |        |        |     |    |         |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |        |       |       |       |       |      |     |    |
|      | <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</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>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><tr><td>1</td><td>5180.00</td><td>92.18</td><td>-----</td><td>-----</td><td>75.78</td><td>34.22</td><td>12.06</td><td>29.88</td><td>0.00</td><td>338</td><td>50</td><td>AVERAGE</td></tr></table> |        |        |        |        |       |             |        |        |     |    |         |  | Limit | Read | Ant | Cable | Preamp | Aux | APos | TPos |  | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 5180.00 | 92.18  | ----- | -----  | 75.78 | 34.22 | 12.06 | 29.88 | 0.00 | 338 | 50 |
|      | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Read   | Ant    | Cable  | Preamp | Aux   | APos        | TPos   |        |     |    |         |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |        |       |       |       |       |      |     |    |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Line   | Margin | Level  | Factor | Loss  | Factor      | Factor | Remark |     |    |         |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |        |       |       |       |       |      |     |    |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | dBuV/m | dBuV/m | dB     | dBuV   | dB/m  | dB          | dB     | cm     | deg |    |         |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |        |       |       |       |       |      |     |    |
| 1    | 5180.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 92.18  | -----  | -----  | 75.78  | 34.22 | 12.06       | 29.88  | 0.00   | 338 | 50 | AVERAGE |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |        |       |       |       |       |      |     |    |



| Mode            | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |        |        |        |        |                                                                                     |        |        |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |      |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |      |    |      |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|-------------------------------------------------------------------------------------|--------|--------|-----|-------|--------|-----|------|------|--|------|-------|------|--------|-------|--------|------|--------|--------|--------|--|-----|--------|--------|----|------|------|----|----|----|-----|---|----------|-------|-------|--------|-------|-------|-------|-------|------|----|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|-------|------|-----|-------|--------|-----|------|------|--|------|-------|------|--------|-------|--------|------|--------|--------|--------|--|-----|--------|--------|----|------|------|----|----|----|-----|---|----------|-------|-------|--------|-------|-------|-------|-------|------|----|------|
|                 | Harmonic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |        |        |        |        |                                                                                     |        |        |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |      |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |      |    |      |
|                 | U-NII-1_5.15-5.25_802.11ax HE20_CH36_Full RU_5180MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |        |        |        |        |                                                                                     |        |        |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |      |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |      |    |      |
| ANT             | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |        |        |        |        |                                                                                     |        |        |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |      |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |      |    |      |
| 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>Aux</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>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><tr><td>1</td><td>10360.00</td><td>44.85</td><td>68.20</td><td>-23.35</td><td>56.40</td><td>37.46</td><td>17.53</td><td>66.54</td><td>0.00</td><td>--</td><td>PEAK</td></tr></table> |        |        |        |        |        |                                                                                     | Limit  | Read   | Ant | Cable | Preamp | Aux | APos | TPos |  | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 10360.00 | 44.85 | 68.20 | -23.35 | 56.40 | 37.46 | 17.53 | 66.54 | 0.00 | -- | PEAK | <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</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>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><tr><td>1</td><td>10360.00</td><td>44.55</td><td>68.20</td><td>-23.65</td><td>56.08</td><td>37.47</td><td>17.54</td><td>66.54</td><td>0.00</td><td>--</td><td>PEAK</td></tr></table> |  |  |  |  |  |  | Limit | Read | Ant | Cable | Preamp | Aux | APos | TPos |  | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 10360.00 | 44.55 | 68.20 | -23.65 | 56.08 | 37.47 | 17.54 | 66.54 | 0.00 | -- | PEAK |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Limit  | Read   | Ant    | Cable  | Preamp | Aux                                                                                 | APos   | TPos   |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |      |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |      |    |      |
| Freq            | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Line   | Margin | Level  | Factor | Loss   | Factor                                                                              | Factor | Remark |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |      |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |      |    |      |
|                 | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | dBuV/m | dBuV/m | dB     | dBuV   | dB/m   | dB                                                                                  | dB     | cm     | deg |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |      |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |      |    |      |
| 1               | 10360.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 44.85  | 68.20  | -23.35 | 56.40  | 37.46  | 17.53                                                                               | 66.54  | 0.00   | --  | PEAK  |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |      |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |      |    |      |
|                 | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Read   | Ant    | Cable  | Preamp | Aux    | APos                                                                                | TPos   |        |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |      |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |      |    |      |
| Freq            | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Line   | Margin | Level  | Factor | Loss   | Factor                                                                              | Factor | Remark |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |      |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |      |    |      |
|                 | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | dBuV/m | dBuV/m | dB     | dBuV   | dB/m   | dB                                                                                  | dB     | cm     | deg |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |      |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |      |    |      |
| 1               | 10360.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 44.55  | 68.20  | -23.65 | 56.08  | 37.47  | 17.54                                                                               | 66.54  | 0.00   | --  | PEAK  |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |      |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |      |    |      |

Note: For all plots above, the over limit line signals are Fundamental signal which can be ignored

**For 5G NR n5 NSA:**

|                        |               |                            |        |
|------------------------|---------------|----------------------------|--------|
| <b>Test Engineer :</b> | HuaCong Liang | <b>Relative Humidity :</b> | 48~52% |
|                        |               | <b>Temperature :</b>       | 22-25℃ |

| EN-DC_7A_n5A / LTE 10MHz + NR 20MHz / QPSK (ANT2+0) |                      |                     |                  |                         |                         |                          |                            |                             |                       |
|-----------------------------------------------------|----------------------|---------------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                                             | Frequency<br>( MHz ) | ERP/EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| NR n5<br>Middle                                     | 1654.5               | -65.70              | -13              | -52.70                  | -77.23                  | -68.95                   | 4.00                       | 9.40                        | H                     |
|                                                     | 2481.75              | -59.92              | -13              | -46.92                  | -78.65                  | -63.49                   | 4.88                       | 10.60                       | H                     |
|                                                     | 3309                 | -59.16              | -13              | -46.16                  | -79.95                  | -64.09                   | 5.52                       | 12.60                       | H                     |
|                                                     | 1654.5               | -64.93              | -13              | -51.93                  | -77.10                  | -68.18                   | 4.00                       | 9.40                        | V                     |
|                                                     | 2481.75              | -59.78              | -13              | -46.78                  | -78.83                  | -63.35                   | 4.88                       | 10.60                       | V                     |
|                                                     | 3309                 | -58.45              | -13              | -45.45                  | -79.94                  | -63.38                   | 5.52                       | 12.60                       | V                     |
| LTE Band7<br>Middle                                 | 5061.18              | -58.04              | -25              | -33.04                  | -81.16                  | -63.60                   | 7.14                       | 12.70                       | H                     |
|                                                     | 7591.77              | -55.00              | -25              | -30.00                  | -81.25                  | -58.30                   | 8.30                       | 11.60                       | H                     |
|                                                     | 10122.36             | -52.53              | -25              | -27.53                  | -82.91                  | -54.05                   | 10.48                      | 12.00                       | H                     |
|                                                     | 5061.18              | -57.38              | -25              | -32.38                  | -81.71                  | -62.94                   | 7.14                       | 12.70                       | V                     |
|                                                     | 7591.77              | -55.73              | -25              | -30.73                  | -81.98                  | -59.03                   | 8.30                       | 11.60                       | V                     |
|                                                     | 10122.36             | -51.58              | -25              | -26.58                  | -83.01                  | -53.10                   | 10.48                      | 12.00                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



## **Appendix C. Reference Report**



# FCC RF Test Report

APPLICANT : Motorola Mobility LLC  
EQUIPMENT : Mobile Cellular Phone  
BRAND NAME : Motorola  
MODEL NAME : XT2503-1, XT2505-3  
FCC ID : IHDT56AU7  
STANDARD : 47 CFR Part 22(H), 24(E), 27(L) , 27(H) , 27(F)  
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)  
TEST DATE(S) : Dec. 26, 2024 ~ Jan. 07, 2025

We, Sporton International Inc. (ShenZhen), 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.

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

Jason Jia

Approved by: Jason Jia



**Sporton International Inc. (ShenZhen)**

**1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055**

**People's Republic of China**



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## REVISION HISTORY

| REPORT NO. | VERSION | DESCRIPTION             | ISSUED DATE   |
|------------|---------|-------------------------|---------------|
| FG4D1311B  | Rev. 01 | Initial issue of report | Jan. 24, 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 | -                                   |
|                | §22.913(a)(5)                                                                              | Effective Radiated Power (Band 5) (Band 26)                                                                  | ERP < 7 Watt           | PASS        | -                                   |
|                | §27.50(b)(10)<br>§27.50(c)(10)                                                             | Effective Radiated Power (Band 12) (Band 13) (Band 17)                                                       | ERP < 3 Watt           |             | -                                   |
|                | §24.232(c)                                                                                 | Equivalent Isotropic Radiated Power (Band 2)                                                                 | EIRP < 2Watt           |             | -                                   |
|                | §27.50(d)(4)                                                                               | Equivalent Isotropic Radiated Power (Band 4) (Band 66)                                                       | EIRP < 1Watt           |             | -                                   |
| 3.5            | §24.232(d)                                                                                 | Peak-to-Average Ratio                                                                                        | <13 dB                 | PASS        | -                                   |
| 3.6            | §2.1049                                                                                    | Occupied Bandwidth                                                                                           | -                      | Report Only | -                                   |
| 3.7            | §2.1051<br>§22.917(a)<br>§24.238(a)<br>§27.53(c)(2)(4)<br>§27.53(g)<br>§27.53(h)           | Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 26) (Band 66) | < 43+10log10(P[Watts]) | PASS        | -                                   |
| 3.8            | §2.1051<br>§22.917(a)<br>§24.238(a)<br>§27.53(c)(2)<br>§27.53(g)<br>§27.53(h)              | Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 26) (Band 66)     | < 43+10log10(P[Watts]) | PASS        | -                                   |
| 3.9            | §2.1055<br>§22.355                                                                         | Frequency Stability<br>Temperature & Voltage                                                                 | < 2.5 ppm for Part 22  | PASS        | -                                   |
|                | §2.1055<br>§24.235<br>§27.54                                                               |                                                                                                              | Within Authorized Band |             |                                     |
| 4.4            | §2.1053<br>§22.917(a)<br>§24.238(a)<br>§27.53(c)(2)<br>§27.53(f)<br>§27.53(g)<br>§27.53(h) | Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 26) (Band 66)      | < 43+10log10(P[Watts]) | PASS        | Under limit 23.03 dB at 1559.50 MHz |

**Conformity Assessment Condition:**

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

**Disclaimer:**

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



# 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      | XT2503-1, XT2505-3                                                       |
| FCC ID          | IHDT56AU7                                                                |
| IMEI Code       | Conducted: 354424860019615<br>Radiation: 354424860020035/354424860020043 |
| HW Version      | DVT2                                                                     |
| SW Version      | V2VC35.13                                                                |
| EUT Stage       | Identical Prototype                                                      |

Note: There are two types of EUT, model name: XT2503-1 is sample 1 and model name: XT2505-3 is sample 2, the differences could be referred to the XT2503-1, XT2505-3\_Operational Description of Product Equality Declaration which is exhibit separately. According to the difference, for RF report, we choose sample 1 to full test

## 1.4 Product Specification of Equipment Under Test

| Standards-related Product Specification |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tx Frequency</b>                     | LTE Band 2 : 1850 MHz ~ 1910 MHz<br>LTE Band 4 : 1710 MHz ~ 1755 MHz<br>LTE Band 5 : 824 MHz ~ 849 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 26 : 824 MHz ~ 849 MHz<br>LTE Band 66 : 1710 MHz ~ 1780 MHz                                                                                                                                                                                                                                                                                                                                                   |
| <b>Rx Frequency</b>                     | LTE Band 2 : 1930 MHz ~ 1990 MHz<br>LTE Band 4 : 2110 MHz ~ 2155 MHz<br>LTE Band 5 : 869 MHz ~ 894 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 26 : 869 MHz ~ 894 MHz<br>LTE Band 66 : 2110 MHz ~ 2200 MHz                                                                                                                                                                                                                                                                                                                                                   |
| <b>Bandwidth</b>                        | LTE Band 2 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz<br>LTE Band 4 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz<br>LTE Band 5 : 1.4MHz / 3MHz / 5MHz / 10MHz<br>LTE Band 12 : 1.4MHz / 3MHz / 5MHz / 10MHz<br>LTE Band 13 : 5MHz / 10MHz<br>LTE Band 17 : 5MHz / 10MHz<br>LTE Band 26 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz<br>LTE Band 66 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz                                                                                                                                                                                                                                         |
| <b>Maximum Output Power to Antenna</b>  | <b>Ant0:</b><br>LTE Band 2 : 20.37 dBm<br>LTE Band 4 : 20.33 dBm<br>LTE Band 5 : 22.46 dBm<br>LTE Band 12 : 22.51 dBm<br>LTE Band 13 : 22.47 dBm<br>LTE Band 17 : 22.50 dBm<br>LTE Band 26 : 22.52 dBm<br>LTE Band 66 : 20.37 dBm<br><b>Ant1:</b><br>LTE Band 2 : 20.55 dBm<br>LTE Band 4 : 20.46 dBm<br>LTE Band 5 : 22.49 dBm<br>LTE Band 12 : 21.96 dBm<br>LTE Band 13 : 21.73 dBm<br>LTE Band 17 : 21.95 dBm<br>LTE Band 26 : 22.51 dBm<br>LTE Band 66 : 20.49 dBm<br><b>Ant2:</b><br>LTE Band 2 : 22.49 dBm<br>LTE Band 4 : 22.45 dBm<br>LTE Band 66 : 22.48 dBm<br><b>Ant9:</b><br>LTE Band 2 : 22.51 dBm<br>LTE Band 4 : 22.46 dBm |



|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                    | LTE Band 66 : 22.49 dBm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Antenna Gain       | <b>Ant0:</b><br>LTE Band 2 : -6.2 dBi<br>LTE Band 4 : -6.9 dBi<br>LTE Band 5 : -5.1 dBi<br>LTE Band 12 : -4.9 dBi<br>LTE Band 13 : -4.6 dBi<br>LTE Band 17 : -4.9 dBi<br>LTE Band 26 : -5.1 dBi<br>LTE Band 66 : -6.9 dBi<br><b>Ant1:</b><br>LTE Band 2 : -2.9 dBi<br>LTE Band 4 : -3.9 dBi<br>LTE Band 5 : -4.5 dBi<br>LTE Band 12 : -7.1 dBi<br>LTE Band 13 : -6.8 dBi<br>LTE Band 17 : -7.1 dBi<br>LTE Band 26 : -4.5 dBi<br>LTE Band 66 : -3.9 dBi<br><b>Ant2:</b><br>LTE Band 2 : -1.1 dBi<br>LTE Band 4 : -2.2 dBi<br>LTE Band 66 : -2.2 dBi<br><b>Ant9:</b><br>LTE Band 2 : -8.3 dBi<br>LTE Band 4 : -7.2 dBi<br>LTE Band 66 : -7.2 dBi |
| Type of Modulation | 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 1 for LTE Band5/26 and Antenna 2 for LTE Band2/4/66 are shown in the report.
2. The device supports two PAs(Main PA and other PA) for LTE Band 2/4/66, we chose higher power PA to calculate the EIRP and show in the report.

## 1.5 Modification of EUT

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

## 1.6 Specification of Accessory

| Accessories Information |            |                    |            |            |
|-------------------------|------------|--------------------|------------|------------|
| AC Adapter 1(US)        | Brand Name | Motorola(Chenyang) | Model Name | MC-681N    |
| AC Adapter 1(EU)        | Brand Name | Motorola(Chenyang) | Model Name | MC-682N    |
| AC Adapter 1(UK)        | Brand Name | Motorola(Chenyang) | Model Name | MC-683N    |
| AC Adapter 1(AU)        | Brand Name | Motorola(Chenyang) | Model Name | MC-685N    |
| AC Adapter 1(AR)        | Brand Name | Motorola(Chenyang) | Model Name | MC-686N    |
| AC Adapter 1(BR)        | Brand Name | Motorola(Chenyang) | Model Name | MC-687N    |
| AC Adapter 1(CHILE)     | Brand Name | Motorola(Chenyang) | Model Name | MC-689N    |
| AC Adapter 2(US)        | Brand Name | Motorola(Acbel)    | Model Name | MC-681N    |
| AC Adapter 2(EU)        | Brand Name | Motorola(Acbel)    | Model Name | MC-682N    |
| AC Adapter 2(UK)        | Brand Name | Motorola(Acbel)    | Model Name | MC-683N    |
| AC Adapter 2(AU)        | Brand Name | Motorola(Acbel)    | Model Name | MC-685N    |
| AC Adapter 2(AR)        | Brand Name | Motorola(Acbel)    | Model Name | MC-686N    |
| AC Adapter 2(BR)        | Brand Name | Motorola(Acbel)    | Model Name | MC-687N    |
| AC Adapter 2(CHILE)     | Brand Name | Motorola(Acbel)    | Model Name | MC-689N    |
| Battery 1               | Brand Name | Motorola(ATL)      | Model Name | RM52       |
| Battery 2               | Brand Name | Motorola(Cosmx)    | Model Name | RM52       |
| USB Cable 1             | Brand Name | Motorola(saibao)   | Model Name | SC18D71644 |
| USB Cable 2             | Brand Name | Motorola(Luxshare) | Model Name | SC18E08104 |
| USB Cable 3             | Brand Name | Motorola(saibao)   | Model Name | SC18D86731 |
| USB Cable 4             | Brand Name | Motorola(Luxshare) | Model Name | SC18E08103 |
| Wireless Earphones      | Brand Name | Motorola           | Model Name | XT2443-1   |



## 1.7 Maximum ERP/EIRP Power and Emission Designator

| LTE Band 2  |                       | QPSK            |                              | 16QAM/64QAM/256QAM |                              |
|-------------|-----------------------|-----------------|------------------------------|--------------------|------------------------------|
| BW (MHz)    | Frequency Range (MHz) | Maximum EIRP(W) | Emission Designator (99%OBW) | Maximum EIRP(W)    | Emission Designator (99%OBW) |
| 1.4         | 1850.7 ~ 1909.3       | 0.1361          | 1M09G7D                      | 0.1148             | 1M10W7D                      |
| 3           | 1851.5 ~ 1908.5       | 0.1368          | 2M71G7D                      | 0.1175             | 2M72W7D                      |
| 5           | 1852.5 ~ 1907.5       | 0.1368          | 4M50G7D                      | 0.1178             | 4M48W7D                      |
| 10          | 1855.0 ~ 1905.0       | 0.1365          | 9M07G7D                      | 0.1189             | 9M01W7D                      |
| 15          | 1857.5 ~ 1902.5       | 0.1365          | 13M4G7D                      | 0.1172             | 13M6W7D                      |
| 20          | 1860.0 ~ 1900.0       | 0.1377          | 17M9G7D                      | 0.1183             | 17M9W7D                      |
| LTE Band 4  |                       | QPSK            |                              | 16QAM/64QAM/256QAM |                              |
| BW (MHz)    | Frequency Range (MHz) | Maximum EIRP(W) | Emission Designator (99%OBW) | Maximum EIRP(W)    | Emission Designator (99%OBW) |
| 1.4         | 1710.7 ~ 1754.3       | 0.1050          | 1M10G7D                      | 0.0902             | 1M10W7D                      |
| 3           | 1711.5 ~ 1753.5       | 0.1050          | 2M71G7D                      | 0.0899             | 2M73W7D                      |
| 5           | 1712.5 ~ 1752.5       | 0.1052          | 4M49G7D                      | 0.0908             | 4M50W7D                      |
| 10          | 1715.0 ~ 1750.0       | 0.1047          | 9M03G7D                      | 0.0902             | 9M03W7D                      |
| 15          | 1717.5 ~ 1747.5       | 0.1047          | 13M5G7D                      | 0.0902             | 13M4W7D                      |
| 20          | 1720.0 ~ 1745.0       | 0.1059          | 17M9G7D                      | 0.0912             | 17M9W7D                      |
| LTE Band 5  |                       | 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         | 824.7 ~ 848.3         | 0.0379          | 1M08G7D                      | 0.0323             | 1M10W7D                      |
| 3           | 825.5 ~ 847.5         | 0.0378          | 2M72G7D                      | 0.0326             | 2M70W7D                      |
| 5           | 826.5 ~ 846.5         | 0.0379          | 4M49G7D                      | 0.0324             | 4M48W7D                      |
| 10          | 829.0 ~ 844.0         | 0.0384          | 9M05G7D                      | 0.0332             | 9M03W7D                      |
| 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         | 0.0345          | 1M09G7D                      | 0.0270             | 1M09W7D                      |
| 3           | 700.5 ~ 714.5         | 0.0348          | 2M72G7D                      | 0.0281             | 2M72W7D                      |
| 5           | 701.5 ~ 713.5         | 0.0348          | 4M50G7D                      | 0.0281             | 4M50W7D                      |
| 10          | 704.0 ~ 711.0         | 0.0352          | 9M03G7D                      | 0.0283             | 9M05W7D                      |



| 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         | 0.0372          | 4M51G7D                      | 0.0306             | 4M50W7D                      |
| 10          | 782.0                 | 0.0373          | 9M03G7D                      | 0.0305             | 9M07W7D                      |
| 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         | 0.0348          | 4M50G7D                      | 0.0278             | 4M50W7D                      |
| 10          | 709.0 ~ 711.0         | 0.0351          | 9M03G7D                      | 0.0283             | 9M05W7D                      |
| LTE Band 26 |                       | 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         | 824.7 ~ 848.3         | 0.0378          | 1M08G7D                      | 0.0324             | 1M10W7D                      |
| 3           | 825.5 ~ 847.5         | 0.0375          | 2M72G7D                      | 0.0321             | 2M70W7D                      |
| 5           | 826.5 ~ 846.5         | 0.0378          | 4M49G7D                      | 0.0324             | 4M48W7D                      |
| 10          | 829.0 ~ 844.0         | 0.0375          | 9M05G7D                      | 0.0326             | 9M03W7D                      |
| 15          | 831.5 ~ 841.5         | 0.0385          | 13M4G7D                      | 0.0332             | 13M5W7D                      |
| CH26790     | 824.0                 | 0.0380          | 13M5G7D                      | 0.0324             | 13M5W7D                      |
| LTE Band 66 |                       | QPSK            |                              | 16QAM/64QAM/256QAM |                              |
| BW (MHz)    | Frequency Range (MHz) | Maximum EIRP(W) | Emission Designator (99%OBW) | Maximum EIRP(W)    | Emission Designator (99%OBW) |
| 1.4         | 1710.7 ~ 1779.3       | 0.1057          | 1M10G7D                      | 0.0899             | 1M10W7D                      |
| 3           | 1711.5 ~ 1778.5       | 0.1047          | 2M71G7D                      | 0.0897             | 2M73W7D                      |
| 5           | 1712.5 ~ 1777.5       | 0.1047          | 4M49G7D                      | 0.0904             | 4M50W7D                      |
| 10          | 1715.0 ~ 1775.0       | 0.1047          | 9M03G7D                      | 0.0906             | 9M03W7D                      |
| 15          | 1717.5 ~ 1772.5       | 0.1052          | 13M5G7D                      | 0.0906             | 13M4W7D                      |
| 20          | 1720.0 ~ 1770.0       | 0.1067          | 17M9G7D                      | 0.0902             | 17M9W7D                      |

**Note:**

1. LTE Band 26 overlaps the entire frequency range of LTE Band 5. Therefore, the test results provided in this report covers Band 26 as well as Band 5.
2. LTE Band 66 overlaps the entire frequency range of LTE Band 4. Therefore, the test results provided in this report covers Band 66 as well as Band 4.
3. 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.
4. All modulations have been tested, and only the worst test results of PSK & QAM are shown in the report.

## 1.8 Testing Location

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> | 1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China<br>TEL: +86-755-86379589<br>FAX: +86-755-86379595 |                            |                                       |
| <b>Test Site No.</b>      | <b>Sporton Site No.</b>                                                                                                                                                 | <b>FCC Designation No.</b> | <b>FCC Test Firm Registration No.</b> |
|                           | TH01-SZ                                                                                                                                                                 | CN1256                     | 421272                                |

|                           |                                                                                                                                                                                                                 |                            |                                       |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------|
| <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> |
|                           | 03CH01-SZ                                                                                                                                                                                                       | CN1256                     | 421272                                |

## 1.9 Test Software

| Item | Site      | Manufacture | Name | Version     |
|------|-----------|-------------|------|-------------|
| 1.   | 03CH01-SZ | AUDIX       | E3   | 6.2009-8-24 |



## **1.10 Applicable Standards**

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

- ♦ 47 CFR Part 22(H), 24(E), 27(L) , 27(H) , 27(F)
- ♦ 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.



## 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.

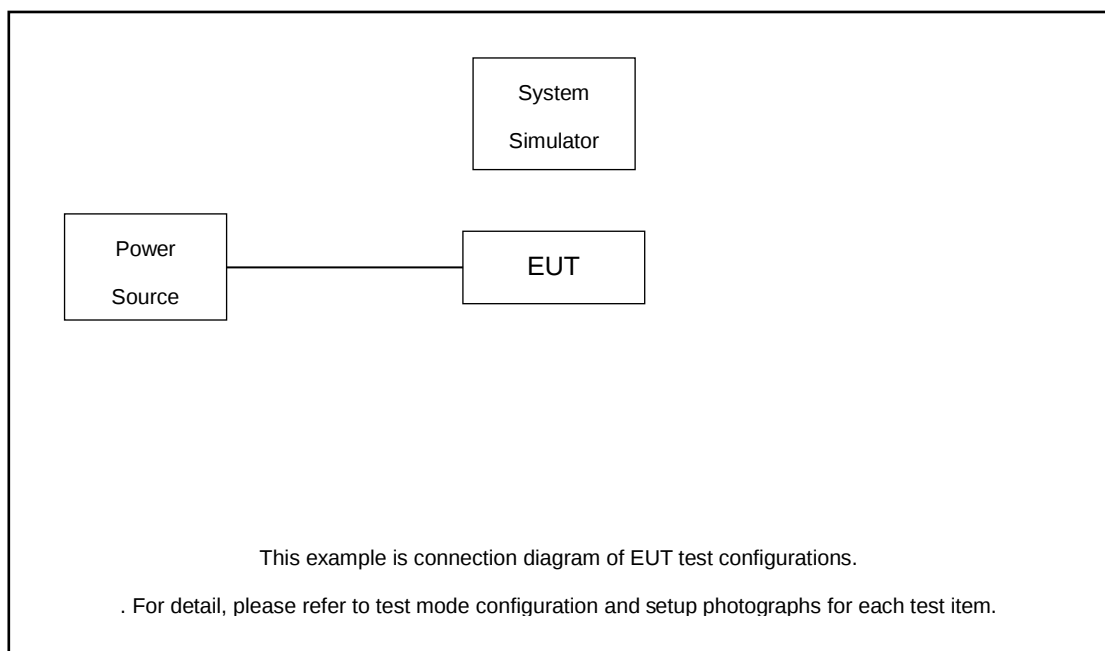
Radiated measurements are performed by rotating the EUT in three different orthogonal test planes for Adapter mode and Earphone mode to find the maximum emission. (Z/Y-Plane)

| 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                 | 2    | V               | V | V | V  | V  | V  | V          | V      | V      | V       | V    | V    | V    | V            | V | V |
|                                   | 4    | V               | V | V | V  | V  | V  | V          | V      | V      | V       | V    | V    | V    | V            | V | V |
|                                   | 5    | 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 |
|                                   | 26   | V               | V | V | V  | V  | -  | V          | V      | V      | V       | V    | V    | V    | V            | V | V |
|                                   | 66   | V               | V | V | V  | V  | V  | V          | V      | V      | V       | V    | V    | V    | V            | V | V |
| Peak-to-Ave<br>rage Ratio         | 2    |                 |   |   |    |    | V  | V          | V      | V      |         |      |      | V    |              | V |   |
|                                   | 12   |                 |   |   | V  | -  | -  | V          | V      | V      |         |      |      | V    |              | V |   |
|                                   | 13   | -               | - |   | V  | -  | -  | V          | V      | V      |         |      |      | V    |              | V |   |
|                                   | 26   |                 |   |   |    | V  | -  | V          | V      | V      |         |      |      | V    |              | V |   |
|                                   | 66   |                 |   |   |    |    | V  | V          | V      | V      |         |      |      | V    |              | V |   |
| 26dB and<br>99%<br>Bandwidth      | 2    | V               | V | V | V  | V  | V  | V          | V      |        |         |      |      | V    |              | V |   |
|                                   | 12   | V               | V | V | V  | -  | -  | V          | V      |        |         |      |      | V    |              | V |   |
|                                   | 13   | -               | - | V | V  | -  | -  | V          | V      |        |         |      |      | V    |              | V |   |
|                                   | 26   | V               | V | V | V  | V  | -  | V          | V      |        |         |      |      | V    |              | V |   |
|                                   | 66   | V               | V | V | V  | V  | V  | V          | V      |        |         |      |      | V    |              | V |   |
| Conducted<br>Band Edge            | 2    | 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 |
|                                   | 13   | -               | - | V | V  | -  | -  | V          | V      | V      |         | V    |      | V    | V            |   | V |
|                                   | 26   | V               | V | V | V  | V  | -  | V          | V      | V      |         | V    |      | V    | V            |   | V |
|                                   | 66   | V               | V | V | V  | V  | V  | V          | V      | V      |         | V    |      | V    | V            |   | V |
| Conducted<br>Spurious<br>Emission | 2    | V               | V | 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 |
|                                   | 26   | V               | V | V | V  | V  | -  | V          |        |        |         | V    |      |      | V            | V | V |
|                                   | 66   | V               | V | V | V  | V  | V  | V          |        |        |         | V    |      |      | V            | V | V |
| Frequency<br>Stability            | 2    |                 |   |   | V  |    |    | V          |        |        |         |      |      | V    |              | V |   |
|                                   | 12   |                 |   |   | V  | -  | -  | V          |        |        |         |      |      | V    |              | V |   |
|                                   | 13   | -               | - |   | V  | -  | -  | V          |        |        |         |      |      | V    |              | V |   |
|                                   | 26   |                 |   |   | V  |    | -  | V          |        |        |         |      |      | V    |              | V |   |
|                                   | 66   |                 |   |   | V  |    |    | V          |        |        |         |      |      | V    |              | V |   |
| E.R.P /<br>E.I.R.P                | 2    | V               | V | V | V  | V  | V  | V          | V      | V      | V       | V    |      |      | V            | V | V |
|                                   | 4    | V               | V | V | V  | V  | V  | V          | V      | V      | V       | V    |      |      | V            | V | V |
|                                   | 5    | 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 |
|                            | 17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -          | - | v | v | - | - | v | v | v | v | v |  |  | v | v | v |
|                            | 26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | v          | v | v | v | v | - | v | v | v | v | v |  |  | v | v | v |
|                            | 66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | v          | v | v | v | v | v | v | v | v | v | v |  |  | v | v | v |
| Radiated Spurious Emission | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Worst Case |   |   |   |   |   |   |   |   |   |   |  |  |   | v |   |
|                            | 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Worst Case |   |   |   |   |   |   |   |   |   |   |  |  |   | v |   |
|                            | 13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Worst Case |   |   |   |   |   |   |   |   |   |   |  |  |   | v |   |
|                            | 26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Worst Case |   |   |   |   |   |   |   |   |   |   |  |  |   | v |   |
|                            | 66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Worst Case |   |   |   |   |   |   |   |   |   |   |  |  |   | v |   |
| Note                       | <div>1. The mark “v ” means that this configuration is chosen for testing</div> <div>2. The mark “-” means that this bandwidth is not supported.</div> <div>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.</div> <div>4. For QAM modulation mode, the whole testing has assessed 16QAM&amp;64QAM mode by referring to the higher conducted power</div> |            |   |   |   |   |   |   |   |   |   |   |  |  |   |   |   |

## 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 and attenuator factor 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 and attenuator factor.

*Offset = RF cable loss + attenuator factor.*

Following shows an offset computation example with cable loss 4.5 dB and 10dB attenuator.

Example :

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 4.5 + 10 = 14.5 \text{ (dB)}\end{aligned}$$

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

| LTE Band 2 Channel and Frequency List |                        |        |        |         |
|---------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                              | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20                                    | Channel                | 18700  | 18900  | 19100   |
|                                       | Frequency              | 1860   | 1880   | 1900    |
| 15                                    | Channel                | 18675  | 18900  | 19125   |
|                                       | Frequency              | 1857.5 | 1880   | 1902.5  |
| 10                                    | Channel                | 18650  | 18900  | 19150   |
|                                       | Frequency              | 1855   | 1880   | 1905    |
| 5                                     | Channel                | 18625  | 18900  | 19175   |
|                                       | Frequency              | 1852.5 | 1880   | 1907.5  |
| 3                                     | Channel                | 18615  | 18900  | 19185   |
|                                       | Frequency              | 1851.5 | 1880   | 1908.5  |
| 1.4                                   | Channel                | 18607  | 18900  | 19193   |
|                                       | Frequency              | 1850.7 | 1880   | 1909.3  |



| LTE Band 4 Channel and Frequency List |                        |        |        |         |
|---------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                              | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20                                    | Channel                | 20050  | 20175  | 20300   |
|                                       | Frequency              | 1720   | 1732.5 | 1745    |
| 15                                    | Channel                | 20025  | 20175  | 20325   |
|                                       | Frequency              | 1717.5 | 1732.5 | 1747.5  |
| 10                                    | Channel                | 20000  | 20175  | 20350   |
|                                       | Frequency              | 1715   | 1732.5 | 1750    |
| 5                                     | Channel                | 19975  | 20175  | 20375   |
|                                       | Frequency              | 1712.5 | 1732.5 | 1752.5  |
| 3                                     | Channel                | 19965  | 20175  | 20385   |
|                                       | Frequency              | 1711.5 | 1732.5 | 1753.5  |
| 1.4                                   | Channel                | 19957  | 20175  | 20393   |
|                                       | Frequency              | 1710.7 | 1732.5 | 1754.3  |

| LTE Band 5 Channel and Frequency List |                        |        |        |         |
|---------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                              | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 10                                    | Channel                | 20450  | 20525  | 20600   |
|                                       | Frequency              | 829    | 836.5  | 844     |
| 5                                     | Channel                | 20425  | 20525  | 20625   |
|                                       | Frequency              | 826.5  | 836.5  | 846.5   |
| 3                                     | Channel                | 20415  | 20525  | 20635   |
|                                       | Frequency              | 825.5  | 836.5  | 847.5   |
| 1.4                                   | Channel                | 20407  | 20525  | 20643   |
|                                       | Frequency              | 824.7  | 836.5  | 848.3   |



| 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 26 Channel and Frequency List |                        |        |        |         |
|----------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                               | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 15                                     | Channel                | 26865  | 26915  | 26965   |
|                                        | Frequency              | 831.5  | 836.5  | 841.5   |
| 10                                     | Channel                | 26840  | 26915  | 26990   |
|                                        | Frequency              | 829    | 836.5  | 844     |
| 5                                      | Channel                | 26815  | 26915  | 27015   |
|                                        | Frequency              | 826.5  | 836.5  | 846.5   |
| 3                                      | Channel                | 26805  | 26915  | 27025   |
|                                        | Frequency              | 825.5  | 836.5  | 847.5   |
| 1.4                                    | Channel                | 26797  | 26915  | 27033   |
|                                        | Frequency              | 824.7  | 836.5  | 848.3   |

| LTE Band 66 Channel and Frequency List |                        |        |        |         |
|----------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                               | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20                                     | Channel                | 132072 | 132322 | 132572  |
|                                        | Frequency              | 1720   | 1745   | 1770    |
| 15                                     | Channel                | 132047 | 132322 | 132597  |
|                                        | Frequency              | 1717.5 | 1745   | 1772.5  |
| 10                                     | Channel                | 132022 | 132322 | 132622  |
|                                        | Frequency              | 1715   | 1745   | 1775    |
| 5                                      | Channel                | 131997 | 132322 | 132647  |
|                                        | Frequency              | 1712.5 | 1745   | 1777.5  |
| 3                                      | Channel                | 131987 | 132322 | 132657  |
|                                        | Frequency              | 1711.5 | 1745   | 1778.5  |
| 1.4                                    | Channel                | 131979 | 132322 | 132665  |
|                                        | Frequency              | 1710.7 | 1745   | 1779.3  |

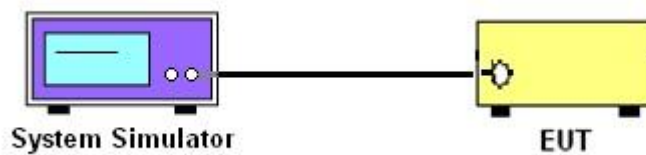
### 3 Conducted Test Items

#### 3.1 Measuring Instruments

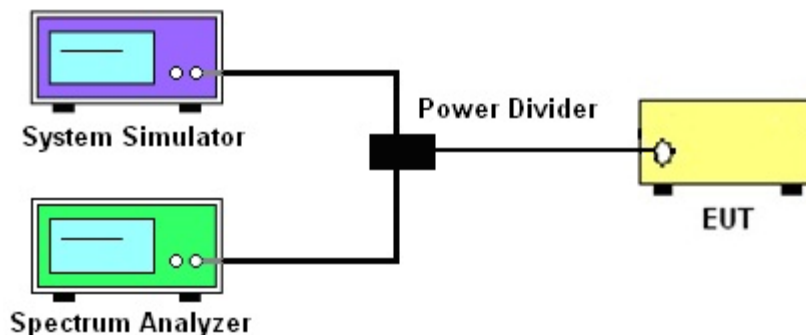
See list of measuring instruments of this test report.

#### 3.2 Test Setup

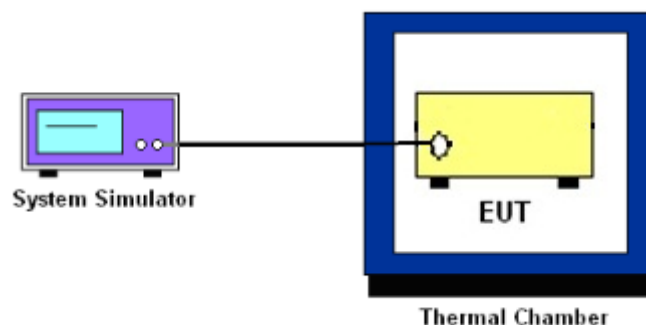
##### 3.2.1 Conducted Output Power



##### 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 7 Watts for LTE Band 5 and Band 26.

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 2.

The EIRP of mobile transmitters must not exceed 1 Watts for LTE Band 4 and Band 66.

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.

## 3.5 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

22.917(a)

For operations in the 824 – 849 MHz band, the FCC limit is  $43 + 10\log_{10}(P[\text{Watts}])$  dB below the transmitter power  $P(\text{Watts})$  in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

24.238 (a)

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is  $43 + 10\log_{10}(P[\text{Watts}])$  dB below the transmitter power  $P(\text{Watts})$  in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

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 (h)

For operations in the 1710 – 1780 MHz band, the FCC limit is  $43 + 10\log_{10}(P[\text{Watts}])$  dB below the transmitter power  $P(\text{Watts})$  in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

### 3.7.2 Test Procedures

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

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

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

8. 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.

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.

### 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.

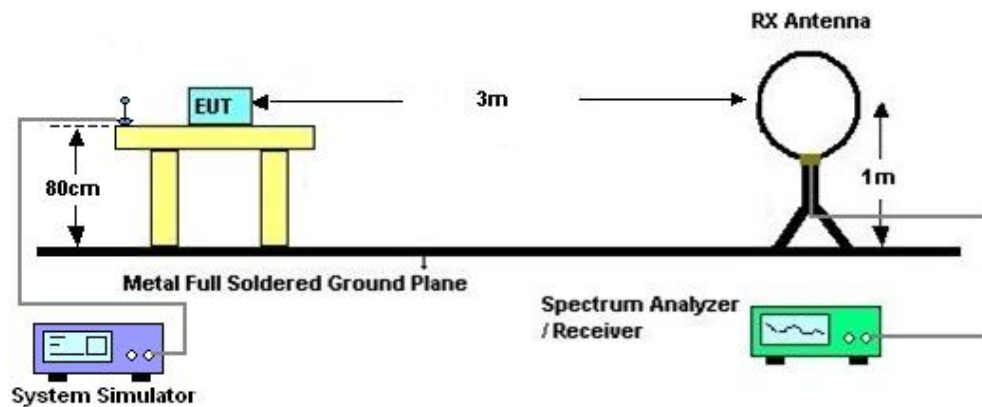
## 4 Radiated Test Items

### 4.1 Measuring Instruments

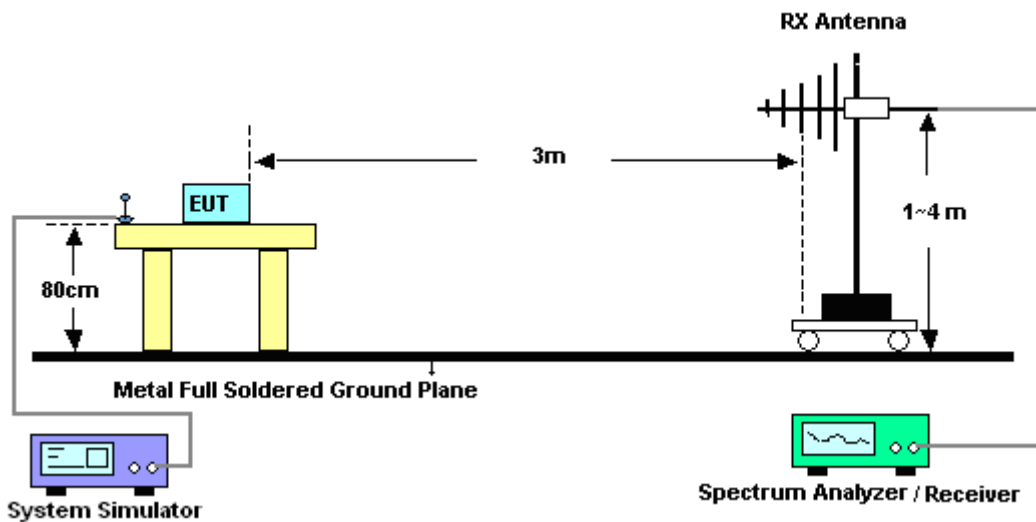
See list of measuring instruments of this test report.

### 4.2 Test Setup

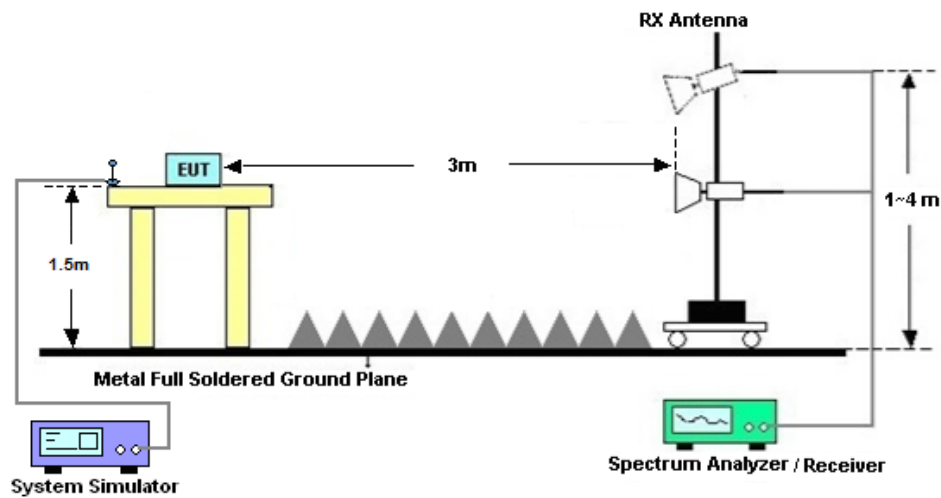
#### 4.2.1 For radiated test below 30MHz



#### 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 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.  $EIRP \text{ (dBm)} = S.G. \text{ Power} - Tx \text{ Cable Loss} + Tx \text{ Antenna Gain}$
11.  $ERP \text{ (dBm)} = EIRP - 2.15$
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)  
 $= P(W) - [43 + 10\log(P)] \text{ (dB)}$   
 $= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$   
 $= -13\text{dBm}.$



## 5 List of Measuring Equipment

| Instrument                | Manufacturer              | Model No.                | Serial No.   | Characteristics | Calibration Date | Test Date                   | Due Date      | Remark                |
|---------------------------|---------------------------|--------------------------|--------------|-----------------|------------------|-----------------------------|---------------|-----------------------|
| Spectrum Analyzer         | R&S                       | FSV40                    | 101078       | 10Hz~40GHz      | Apr. 09, 2024    | Dec. 28, 2024~Jan. 07, 2025 | Apr. 08, 2025 | Conducted (TH01-SZ)   |
| Power Divider             | Titan                     | P02N005180               | 923402       | 0.4GHz~26.5GHz  | Nov. 08, 2024    | Dec. 28, 2024~Jan. 07, 2025 | Nov. 07, 2025 | Conducted (TH01-SZ)   |
| Thermal Chamber           | Ten Billion Hongzhangroup | LP-150U                  | H2014081803  | -40~+150°C      | Jul. 03, 2024    | Dec. 28, 2024~Jan. 07, 2025 | Jul. 02, 2025 | Conducted (TH01-SZ)   |
| EMI Test Receiver&SA      | Agilent                   | N9038A                   | MY52260185   | 20Hz~26.5GHz    | Dec. 27, 2023    | Dec. 26, 2024               | Dec. 26, 2024 | Radiation (03CH01-SZ) |
| Loop Antenna              | R&S                       | HFH2-Z2E                 | 101141       | 9kHz~30MHz      | Dec. 29, 2023    | Dec. 26, 2024               | Dec. 28, 2024 | Radiation (03CH01-SZ) |
| HF Amplifier              | KEYSIGHT                  | 83017A                   | MY53270105   | 0.5GHz~26.5GHz  | Oct. 14, 2024    | Dec. 26, 2024               | Oct. 13, 2025 | Radiation (03CH01-SZ) |
| Bilog Antenna             | TeseQ                     | CBL6112D                 | 35407        | 30MHz~2GHz      | Oct. 24, 2023    | Dec. 26, 2024               | Oct. 23, 2025 | Radiation (03CH01-SZ) |
| Double Ridge Horn Antenna | ETS-Lindgren              | 3117                     | 00119436     | 1GHz~18GHz      | Jul. 04, 2024    | Dec. 26, 2024               | Jul. 03, 2025 | Radiation (03CH01-SZ) |
| SHF-EHF Horn              | com-power                 | AH-840                   | 101071       | 18GHz~40GHz     | Apr. 09, 2024    | Dec. 26, 2024               | Apr. 08, 2025 | Radiation (03CH01-SZ) |
| LF Amplifier              | Burgeon                   | BPA-530                  | 102209       | 0.01~3000Mhz    | Apr. 09, 2024    | Dec. 26, 2024               | Apr. 08, 2025 | Radiation (03CH01-SZ) |
| HF Amplifier              | MITEQ                     | AMF-7D-00101800-30-10P-R | 1943528      | 1GHz~18GHz      | Oct. 14, 2024    | Dec. 26, 2024               | Oct. 13, 2025 | Radiation (03CH01-SZ) |
| HF Amplifier              | MITEQ                     | TTA1840-35-HG            | 1871923      | 18GHz~40GHz     | Jul. 03, 2024    | Dec. 26, 2024               | Jul. 02, 2025 | Radiation (03CH01-SZ) |
| AC Power Source           | Chroma                    | 61601                    | 616010001985 | N/A             | Oct. 14, 2024    | Dec. 26, 2024               | Oct. 13, 2025 | Radiation (03CH01-SZ) |
| Turn Table                | EM                        | EM1000                   | N/A          | 0~360 degree    | NCR              | Dec. 26, 2024               | NCR           | Radiation (03CH01-SZ) |
| Antenna Mast              | EM                        | EM1000                   | N/A          | 1 m~4 m         | NCR              | Dec. 26, 2024               | NCR           | Radiation (03CH01-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

| Test Item                              | Uncertainty     |
|----------------------------------------|-----------------|
| Conducted Spurious Emission & Bandedge | $\pm 1.34$ dB   |
| Occupied Channel Bandwidth             | $\pm 0.012$ MHz |
| Conducted Power                        | $\pm 1.34$ dB   |
| Peak to Average Ratio                  | $\pm 1.34$ dB   |
| Frequency Stability                    | $\pm 1.3$ Hz    |

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

|                                                                          |        |
|--------------------------------------------------------------------------|--------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2U_c(y)$ ) | 2.48dB |
|--------------------------------------------------------------------------|--------|

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

|                                                                          |        |
|--------------------------------------------------------------------------|--------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2U_c(y)$ ) | 3.53dB |
|--------------------------------------------------------------------------|--------|

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

|                                                                          |        |
|--------------------------------------------------------------------------|--------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2U_c(y)$ ) | 4.02dB |
|--------------------------------------------------------------------------|--------|

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



## Appendix A. Test Results of Conducted Test

|                 |           |                     |         |
|-----------------|-----------|---------------------|---------|
| Test Engineer : | Khan Zhen | Temperature :       | 22~23°C |
|                 |           | Relative Humidity : | 40~42%  |

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

#### LTE Band 2\_Ant2:

| 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         |            |         |           | 18700                    | 18900                       | 19100                     |         |        |        |
| Frequency (MHz) |            |         |           | 1860                     | 1880                        | 1900                      | L       | M      | H      |
| 20              | QPSK       | 1       | 0         | 22.39                    | 22.49                       | 22.45                     | 0.1346  | 0.1377 | 0.1365 |
| 20              | QPSK       | 1       | 49        | 22.36                    | 22.45                       | 22.34                     | 0.1337  | 0.1365 | 0.1330 |
| 20              | QPSK       | 1       | 99        | 22.37                    | 22.36                       | 22.34                     | 0.1340  | 0.1337 | 0.1330 |
| 20              | QPSK       | 50      | 0         | 21.38                    | 21.42                       | 21.34                     | 0.1067  | 0.1076 | 0.1057 |
| 20              | QPSK       | 50      | 24        | 21.30                    | 21.30                       | 21.27                     | 0.1047  | 0.1047 | 0.1040 |
| 20              | QPSK       | 50      | 50        | 21.28                    | 21.37                       | 21.33                     | 0.1042  | 0.1064 | 0.1054 |
| 20              | QPSK       | 100     | 0         | 21.35                    | 21.39                       | 21.30                     | 0.1059  | 0.1069 | 0.1047 |
| 20              | 16QAM      | 1       | 0         | 21.67                    | 21.69                       | 21.74                     | 0.1140  | 0.1146 | 0.1159 |
| 20              | 16QAM      | 1       | 49        | 21.72                    | 21.83                       | 21.74                     | 0.1153  | 0.1183 | 0.1159 |
| 20              | 16QAM      | 1       | 99        | 21.72                    | 21.74                       | 21.61                     | 0.1153  | 0.1159 | 0.1125 |
| 20              | 16QAM      | 50      | 0         | 20.32                    | 20.43                       | 20.30                     | 0.0836  | 0.0857 | 0.0832 |
| 20              | 16QAM      | 50      | 24        | 20.31                    | 20.38                       | 20.34                     | 0.0834  | 0.0847 | 0.0839 |
| 20              | 16QAM      | 50      | 50        | 20.35                    | 20.31                       | 20.35                     | 0.0841  | 0.0834 | 0.0841 |
| 20              | 16QAM      | 100     | 0         | 20.34                    | 20.30                       | 20.33                     | 0.0839  | 0.0832 | 0.0838 |
| 20              | 64QAM      | 1       | 0         | 20.52                    | 20.50                       | 20.42                     | 0.0875  | 0.0871 | 0.0855 |
| 20              | 64QAM      | 1       | 49        | 20.46                    | 20.47                       | 20.49                     | 0.0863  | 0.0865 | 0.0869 |
| 20              | 64QAM      | 1       | 99        | 20.44                    | 20.53                       | 20.55                     | 0.0859  | 0.0877 | 0.0881 |
| 20              | 64QAM      | 50      | 0         | 19.39                    | 19.30                       | 19.36                     | 0.0675  | 0.0661 | 0.0670 |
| 20              | 64QAM      | 50      | 24        | 19.27                    | 19.40                       | 19.43                     | 0.0656  | 0.0676 | 0.0681 |
| 20              | 64QAM      | 50      | 50        | 19.35                    | 19.35                       | 19.28                     | 0.0668  | 0.0668 | 0.0658 |
| 20              | 64QAM      | 100     | 0         | 19.31                    | 19.32                       | 19.34                     | 0.0662  | 0.0664 | 0.0667 |
| 20              | 256QAM     | 1       | 0         | 17.40                    | 17.54                       | 17.40                     | 0.0427  | 0.0441 | 0.0427 |
| 20              | 256QAM     | 1       | 49        | 17.36                    | 17.52                       | 17.50                     | 0.0423  | 0.0439 | 0.0437 |
| 20              | 256QAM     | 1       | 99        | 17.44                    | 17.48                       | 17.38                     | 0.0431  | 0.0435 | 0.0425 |
| 20              | 256QAM     | 50      | 0         | 17.43                    | 17.44                       | 17.43                     | 0.0430  | 0.0431 | 0.0430 |
| 20              | 256QAM     | 50      | 24        | 17.36                    | 17.46                       | 17.38                     | 0.0423  | 0.0433 | 0.0425 |
| 20              | 256QAM     | 50      | 50        | 17.40                    | 17.46                       | 17.38                     | 0.0427  | 0.0433 | 0.0425 |
| 20              | 256QAM     | 100     | 0         | 17.43                    | 17.47                       | 17.40                     | 0.0430  | 0.0434 | 0.0427 |
| Channel         |            |         |           | 18675                    | 18900                       | 19125                     | EIRP(W) |        |        |
| Frequency (MHz) |            |         |           | 1857.5                   | 1880                        | 1902.5                    | L       | M      | H      |
| 15              | QPSK       | 1       | 0         | 22.44                    | 22.42                       | 22.43                     | 0.1361  | 0.1355 | 0.1358 |
| 15              | QPSK       | 1       | 37        | 22.34                    | 22.45                       | 22.40                     | 0.1330  | 0.1365 | 0.1349 |
| 15              | QPSK       | 1       | 74        | 22.39                    | 22.43                       | 22.33                     | 0.1346  | 0.1358 | 0.1327 |
| 15              | QPSK       | 36      | 0         | 21.30                    | 21.42                       | 21.25                     | 0.1047  | 0.1076 | 0.1035 |
| 15              | QPSK       | 36      | 20        | 21.32                    | 21.36                       | 21.25                     | 0.1052  | 0.1062 | 0.1035 |



|                 |        |    |    |       |       |       |         |        |        |
|-----------------|--------|----|----|-------|-------|-------|---------|--------|--------|
| 15              | QPSK   | 36 | 39 | 21.32 | 21.38 | 21.33 | 0.1052  | 0.1067 | 0.1054 |
| 15              | QPSK   | 75 | 0  | 21.28 | 21.41 | 21.34 | 0.1042  | 0.1074 | 0.1057 |
| 15              | 16QAM  | 1  | 0  | 21.57 | 21.74 | 21.71 | 0.1114  | 0.1159 | 0.1151 |
| 15              | 16QAM  | 1  | 37 | 21.68 | 21.77 | 21.68 | 0.1143  | 0.1167 | 0.1143 |
| 15              | 16QAM  | 1  | 74 | 21.79 | 21.77 | 21.62 | 0.1172  | 0.1167 | 0.1127 |
| 15              | 16QAM  | 36 | 0  | 20.29 | 20.41 | 20.35 | 0.0830  | 0.0853 | 0.0841 |
| 15              | 16QAM  | 36 | 20 | 20.35 | 20.28 | 20.35 | 0.0841  | 0.0828 | 0.0841 |
| 15              | 16QAM  | 36 | 39 | 20.37 | 20.32 | 20.35 | 0.0845  | 0.0836 | 0.0841 |
| 15              | 16QAM  | 75 | 0  | 20.40 | 20.35 | 20.31 | 0.0851  | 0.0841 | 0.0834 |
| 15              | 64QAM  | 1  | 0  | 20.52 | 20.48 | 20.45 | 0.0875  | 0.0867 | 0.0861 |
| 15              | 64QAM  | 1  | 37 | 20.51 | 20.51 | 20.49 | 0.0873  | 0.0873 | 0.0869 |
| 15              | 64QAM  | 1  | 74 | 20.44 | 20.56 | 20.61 | 0.0859  | 0.0883 | 0.0893 |
| 15              | 64QAM  | 36 | 0  | 19.44 | 19.32 | 19.30 | 0.0682  | 0.0664 | 0.0661 |
| 15              | 64QAM  | 36 | 20 | 19.26 | 19.40 | 19.43 | 0.0655  | 0.0676 | 0.0681 |
| 15              | 64QAM  | 36 | 39 | 19.27 | 19.40 | 19.37 | 0.0656  | 0.0676 | 0.0671 |
| 15              | 64QAM  | 75 | 0  | 19.28 | 19.28 | 19.38 | 0.0658  | 0.0658 | 0.0673 |
| 15              | 256QAM | 1  | 0  | 17.47 | 17.53 | 17.45 | 0.0434  | 0.0440 | 0.0432 |
| 15              | 256QAM | 1  | 37 | 17.47 | 17.46 | 17.48 | 0.0434  | 0.0433 | 0.0435 |
| 15              | 256QAM | 1  | 74 | 17.42 | 17.48 | 17.40 | 0.0429  | 0.0435 | 0.0427 |
| 15              | 256QAM | 36 | 0  | 17.46 | 17.50 | 17.46 | 0.0433  | 0.0437 | 0.0433 |
| 15              | 256QAM | 36 | 20 | 17.42 | 17.45 | 17.42 | 0.0429  | 0.0432 | 0.0429 |
| 15              | 256QAM | 36 | 39 | 17.45 | 17.49 | 17.46 | 0.0432  | 0.0436 | 0.0433 |
| 15              | 256QAM | 75 | 0  | 17.44 | 17.38 | 17.38 | 0.0431  | 0.0425 | 0.0425 |
| Channel         |        |    |    | 18650 | 18900 | 19150 | EIRP(W) |        |        |
| Frequency (MHz) |        |    |    | 1855  | 1880  | 1905  | L       | M      | H      |
| 10              | QPSK   | 1  | 0  | 22.38 | 22.45 | 22.37 | 0.1343  | 0.1365 | 0.1340 |
| 10              | QPSK   | 1  | 25 | 22.37 | 22.39 | 22.39 | 0.1340  | 0.1346 | 0.1346 |
| 10              | QPSK   | 1  | 49 | 22.36 | 22.39 | 22.34 | 0.1337  | 0.1346 | 0.1330 |
| 10              | QPSK   | 25 | 0  | 21.27 | 21.43 | 21.33 | 0.1040  | 0.1079 | 0.1054 |
| 10              | QPSK   | 25 | 12 | 21.39 | 21.37 | 21.29 | 0.1069  | 0.1064 | 0.1045 |
| 10              | QPSK   | 25 | 25 | 21.26 | 21.34 | 21.23 | 0.1038  | 0.1057 | 0.1030 |
| 10              | QPSK   | 50 | 0  | 21.32 | 21.38 | 21.31 | 0.1052  | 0.1067 | 0.1050 |
| 10              | 16QAM  | 1  | 0  | 21.65 | 21.73 | 21.68 | 0.1135  | 0.1156 | 0.1143 |
| 10              | 16QAM  | 1  | 25 | 21.73 | 21.85 | 21.64 | 0.1156  | 0.1189 | 0.1132 |
| 10              | 16QAM  | 1  | 49 | 21.71 | 21.81 | 21.56 | 0.1151  | 0.1178 | 0.1112 |
| 10              | 16QAM  | 25 | 0  | 20.25 | 20.43 | 20.27 | 0.0822  | 0.0857 | 0.0826 |
| 10              | 16QAM  | 25 | 12 | 20.31 | 20.35 | 20.33 | 0.0834  | 0.0841 | 0.0838 |
| 10              | 16QAM  | 25 | 25 | 20.29 | 20.38 | 20.34 | 0.0830  | 0.0847 | 0.0839 |
| 10              | 16QAM  | 50 | 0  | 20.34 | 20.31 | 20.28 | 0.0839  | 0.0834 | 0.0828 |
| 10              | 64QAM  | 1  | 0  | 20.51 | 20.57 | 20.41 | 0.0873  | 0.0885 | 0.0853 |
| 10              | 64QAM  | 1  | 25 | 20.42 | 20.52 | 20.46 | 0.0855  | 0.0875 | 0.0863 |
| 10              | 64QAM  | 1  | 49 | 20.34 | 20.59 | 20.52 | 0.0839  | 0.0889 | 0.0875 |
| 10              | 64QAM  | 25 | 0  | 19.38 | 19.37 | 19.34 | 0.0673  | 0.0671 | 0.0667 |
| 10              | 64QAM  | 25 | 12 | 19.31 | 19.41 | 19.37 | 0.0662  | 0.0678 | 0.0671 |
| 10              | 64QAM  | 25 | 25 | 19.25 | 19.35 | 19.27 | 0.0653  | 0.0668 | 0.0656 |
| 10              | 64QAM  | 50 | 0  | 19.32 | 19.26 | 19.40 | 0.0664  | 0.0655 | 0.0676 |
| 10              | 256QAM | 1  | 0  | 17.46 | 17.46 | 17.38 | 0.0433  | 0.0433 | 0.0425 |
| 10              | 256QAM | 1  | 25 | 17.35 | 17.46 | 17.45 | 0.0422  | 0.0433 | 0.0432 |
| 10              | 256QAM | 1  | 49 | 17.46 | 17.40 | 17.41 | 0.0433  | 0.0427 | 0.0428 |
| 10              | 256QAM | 25 | 0  | 17.42 | 17.49 | 17.47 | 0.0429  | 0.0436 | 0.0434 |



|                 |        |    |    |        |       |        |         |        |        |
|-----------------|--------|----|----|--------|-------|--------|---------|--------|--------|
| 10              | 256QAM | 25 | 12 | 17.35  | 17.46 | 17.43  | 0.0422  | 0.0433 | 0.0430 |
| 10              | 256QAM | 25 | 25 | 17.46  | 17.40 | 17.39  | 0.0433  | 0.0427 | 0.0426 |
| 10              | 256QAM | 50 | 0  | 17.43  | 17.39 | 17.35  | 0.0430  | 0.0426 | 0.0422 |
| Channel         |        |    |    | 18625  | 18900 | 19175  | EIRP(W) |        |        |
| Frequency (MHz) |        |    |    | 1852.5 | 1880  | 1907.5 | L       | M      | H      |
| 5               | QPSK   | 1  | 0  | 22.39  | 22.46 | 22.42  | 0.1346  | 0.1368 | 0.1355 |
| 5               | QPSK   | 1  | 12 | 22.40  | 22.46 | 22.38  | 0.1349  | 0.1368 | 0.1343 |
| 5               | QPSK   | 1  | 24 | 22.31  | 22.41 | 22.39  | 0.1321  | 0.1352 | 0.1346 |
| 5               | QPSK   | 12 | 0  | 21.30  | 21.35 | 21.30  | 0.1047  | 0.1059 | 0.1047 |
| 5               | QPSK   | 12 | 7  | 21.38  | 21.34 | 21.32  | 0.1067  | 0.1057 | 0.1052 |
| 5               | QPSK   | 12 | 13 | 21.29  | 21.30 | 21.34  | 0.1045  | 0.1047 | 0.1057 |
| 5               | QPSK   | 25 | 0  | 21.31  | 21.32 | 21.33  | 0.1050  | 0.1052 | 0.1054 |
| 5               | 16QAM  | 1  | 0  | 21.63  | 21.74 | 21.78  | 0.1130  | 0.1159 | 0.1169 |
| 5               | 16QAM  | 1  | 12 | 21.63  | 21.75 | 21.67  | 0.1130  | 0.1161 | 0.1140 |
| 5               | 16QAM  | 1  | 24 | 21.81  | 21.71 | 21.58  | 0.1178  | 0.1151 | 0.1117 |
| 5               | 16QAM  | 12 | 0  | 20.25  | 20.35 | 20.36  | 0.0822  | 0.0841 | 0.0843 |
| 5               | 16QAM  | 12 | 7  | 20.26  | 20.33 | 20.29  | 0.0824  | 0.0838 | 0.0830 |
| 5               | 16QAM  | 12 | 13 | 20.37  | 20.28 | 20.30  | 0.0845  | 0.0828 | 0.0832 |
| 5               | 16QAM  | 25 | 0  | 20.39  | 20.32 | 20.36  | 0.0849  | 0.0836 | 0.0843 |
| 5               | 64QAM  | 1  | 0  | 20.52  | 20.56 | 20.49  | 0.0875  | 0.0883 | 0.0869 |
| 5               | 64QAM  | 1  | 12 | 20.47  | 20.46 | 20.48  | 0.0865  | 0.0863 | 0.0867 |
| 5               | 64QAM  | 1  | 24 | 20.42  | 20.55 | 20.52  | 0.0855  | 0.0881 | 0.0875 |
| 5               | 64QAM  | 12 | 0  | 19.44  | 19.31 | 19.31  | 0.0682  | 0.0662 | 0.0662 |
| 5               | 64QAM  | 12 | 7  | 19.31  | 19.44 | 19.33  | 0.0662  | 0.0682 | 0.0665 |
| 5               | 64QAM  | 12 | 13 | 19.31  | 19.37 | 19.33  | 0.0662  | 0.0671 | 0.0665 |
| 5               | 64QAM  | 25 | 0  | 19.28  | 19.28 | 19.41  | 0.0658  | 0.0658 | 0.0678 |
| 5               | 256QAM | 1  | 0  | 17.41  | 17.49 | 17.39  | 0.0428  | 0.0436 | 0.0426 |
| 5               | 256QAM | 1  | 12 | 17.36  | 17.46 | 17.48  | 0.0423  | 0.0433 | 0.0435 |
| 5               | 256QAM | 1  | 24 | 17.47  | 17.40 | 17.38  | 0.0434  | 0.0427 | 0.0425 |
| 5               | 256QAM | 12 | 0  | 17.41  | 17.46 | 17.44  | 0.0428  | 0.0433 | 0.0431 |
| 5               | 256QAM | 12 | 7  | 17.42  | 17.45 | 17.42  | 0.0429  | 0.0432 | 0.0429 |
| 5               | 256QAM | 12 | 13 | 17.45  | 17.40 | 17.37  | 0.0432  | 0.0427 | 0.0424 |
| 5               | 256QAM | 25 | 0  | 17.35  | 17.42 | 17.37  | 0.0422  | 0.0429 | 0.0424 |
| Channel         |        |    |    | 18615  | 18900 | 19185  | EIRP(W) |        |        |
| Frequency (MHz) |        |    |    | 1851.5 | 1880  | 1908.5 | L       | M      | H      |
| 3               | QPSK   | 1  | 0  | 22.39  | 22.43 | 22.44  | 0.1346  | 0.1358 | 0.1361 |
| 3               | QPSK   | 1  | 8  | 22.38  | 22.46 | 22.35  | 0.1343  | 0.1368 | 0.1334 |
| 3               | QPSK   | 1  | 14 | 22.41  | 22.43 | 22.39  | 0.1352  | 0.1358 | 0.1346 |
| 3               | QPSK   | 8  | 0  | 21.34  | 21.39 | 21.28  | 0.1057  | 0.1069 | 0.1042 |
| 3               | QPSK   | 8  | 4  | 21.37  | 21.38 | 21.23  | 0.1064  | 0.1067 | 0.1030 |
| 3               | QPSK   | 8  | 7  | 21.27  | 21.28 | 21.27  | 0.1040  | 0.1042 | 0.1040 |
| 3               | QPSK   | 15 | 0  | 21.29  | 21.31 | 21.34  | 0.1045  | 0.1050 | 0.1057 |
| 3               | 16QAM  | 1  | 0  | 21.60  | 21.68 | 21.73  | 0.1122  | 0.1143 | 0.1156 |
| 3               | 16QAM  | 1  | 8  | 21.68  | 21.80 | 21.75  | 0.1143  | 0.1175 | 0.1161 |
| 3               | 16QAM  | 1  | 14 | 21.74  | 21.77 | 21.66  | 0.1159  | 0.1167 | 0.1138 |
| 3               | 16QAM  | 8  | 0  | 20.24  | 20.38 | 20.31  | 0.0820  | 0.0847 | 0.0834 |
| 3               | 16QAM  | 8  | 4  | 20.33  | 20.34 | 20.27  | 0.0838  | 0.0839 | 0.0826 |
| 3               | 16QAM  | 8  | 7  | 20.35  | 20.38 | 20.36  | 0.0841  | 0.0847 | 0.0843 |
| 3               | 16QAM  | 15 | 0  | 20.34  | 20.39 | 20.32  | 0.0839  | 0.0849 | 0.0836 |
| 3               | 64QAM  | 1  | 0  | 20.44  | 20.50 | 20.52  | 0.0859  | 0.0871 | 0.0875 |



|                 |        |    |    |        |       |        |         |        |        |
|-----------------|--------|----|----|--------|-------|--------|---------|--------|--------|
| 3               | 64QAM  | 1  | 8  | 20.42  | 20.53 | 20.49  | 0.0855  | 0.0877 | 0.0869 |
| 3               | 64QAM  | 1  | 14 | 20.42  | 20.64 | 20.53  | 0.0855  | 0.0899 | 0.0877 |
| 3               | 64QAM  | 8  | 0  | 19.35  | 19.37 | 19.30  | 0.0668  | 0.0671 | 0.0661 |
| 3               | 64QAM  | 8  | 4  | 19.32  | 19.37 | 19.35  | 0.0664  | 0.0671 | 0.0668 |
| 3               | 64QAM  | 8  | 7  | 19.30  | 19.36 | 19.34  | 0.0661  | 0.0670 | 0.0667 |
| 3               | 64QAM  | 15 | 0  | 19.30  | 19.31 | 19.34  | 0.0661  | 0.0662 | 0.0667 |
| 3               | 256QAM | 1  | 0  | 17.45  | 17.53 | 17.42  | 0.0432  | 0.0440 | 0.0429 |
| 3               | 256QAM | 1  | 8  | 17.38  | 17.43 | 17.42  | 0.0425  | 0.0430 | 0.0429 |
| 3               | 256QAM | 1  | 14 | 17.39  | 17.48 | 17.36  | 0.0426  | 0.0435 | 0.0423 |
| 3               | 256QAM | 8  | 0  | 17.36  | 17.41 | 17.37  | 0.0423  | 0.0428 | 0.0424 |
| 3               | 256QAM | 8  | 4  | 17.45  | 17.42 | 17.41  | 0.0432  | 0.0429 | 0.0428 |
| 3               | 256QAM | 8  | 7  | 17.35  | 17.50 | 17.43  | 0.0422  | 0.0437 | 0.0430 |
| 3               | 256QAM | 15 | 0  | 17.40  | 17.47 | 17.37  | 0.0427  | 0.0434 | 0.0424 |
| Channel         |        |    |    | 18607  | 18900 | 19193  | EIRP(W) |        |        |
| Frequency (MHz) |        |    |    | 1850.7 | 1880  | 1909.3 | L       | M      | H      |
| 1.4             | QPSK   | 1  | 0  | 22.30  | 22.44 | 22.29  | 0.1318  | 0.1361 | 0.1315 |
| 1.4             | QPSK   | 1  | 3  | 22.27  | 22.33 | 22.36  | 0.1309  | 0.1327 | 0.1337 |
| 1.4             | QPSK   | 1  | 5  | 22.27  | 22.33 | 22.34  | 0.1309  | 0.1327 | 0.1330 |
| 1.4             | QPSK   | 3  | 0  | 22.30  | 22.44 | 22.28  | 0.1318  | 0.1361 | 0.1312 |
| 1.4             | QPSK   | 3  | 1  | 22.29  | 22.33 | 22.29  | 0.1315  | 0.1327 | 0.1315 |
| 1.4             | QPSK   | 3  | 3  | 22.28  | 22.40 | 22.33  | 0.1312  | 0.1349 | 0.1327 |
| 1.4             | QPSK   | 6  | 0  | 21.29  | 21.31 | 21.24  | 0.1045  | 0.1050 | 0.1033 |
| 1.4             | 16QAM  | 1  | 0  | 21.30  | 21.33 | 21.28  | 0.1047  | 0.1054 | 0.1042 |
| 1.4             | 16QAM  | 1  | 3  | 21.29  | 21.33 | 21.31  | 0.1045  | 0.1054 | 0.1050 |
| 1.4             | 16QAM  | 1  | 5  | 21.24  | 21.32 | 21.22  | 0.1033  | 0.1052 | 0.1028 |
| 1.4             | 16QAM  | 3  | 0  | 21.53  | 21.64 | 21.66  | 0.1104  | 0.1132 | 0.1138 |
| 1.4             | 16QAM  | 3  | 1  | 21.64  | 21.69 | 21.62  | 0.1132  | 0.1146 | 0.1127 |
| 1.4             | 16QAM  | 3  | 3  | 21.70  | 21.70 | 21.57  | 0.1148  | 0.1148 | 0.1114 |
| 1.4             | 16QAM  | 6  | 0  | 20.26  | 20.29 | 20.23  | 0.0824  | 0.0830 | 0.0818 |
| 1.4             | 64QAM  | 1  | 0  | 20.30  | 20.30 | 20.20  | 0.0832  | 0.0832 | 0.0813 |
| 1.4             | 64QAM  | 1  | 3  | 20.31  | 20.26 | 20.21  | 0.0834  | 0.0824 | 0.0815 |
| 1.4             | 64QAM  | 1  | 5  | 20.29  | 20.24 | 20.20  | 0.0830  | 0.0820 | 0.0813 |
| 1.4             | 64QAM  | 3  | 0  | 20.48  | 20.45 | 20.35  | 0.0867  | 0.0861 | 0.0841 |
| 1.4             | 64QAM  | 3  | 1  | 20.42  | 20.39 | 20.34  | 0.0855  | 0.0849 | 0.0839 |
| 1.4             | 64QAM  | 3  | 3  | 20.32  | 20.48 | 20.46  | 0.0836  | 0.0867 | 0.0863 |
| 1.4             | 64QAM  | 6  | 0  | 19.20  | 19.29 | 19.30  | 0.0646  | 0.0659 | 0.0661 |
| 1.4             | 256QAM | 1  | 0  | 17.34  | 17.39 | 17.38  | 0.0421  | 0.0426 | 0.0425 |
| 1.4             | 256QAM | 1  | 3  | 17.33  | 17.39 | 17.35  | 0.0420  | 0.0426 | 0.0422 |
| 1.4             | 256QAM | 1  | 5  | 17.40  | 17.36 | 17.36  | 0.0427  | 0.0423 | 0.0423 |
| 1.4             | 256QAM | 3  | 0  | 17.34  | 17.40 | 17.40  | 0.0421  | 0.0427 | 0.0427 |
| 1.4             | 256QAM | 3  | 1  | 17.33  | 17.41 | 17.33  | 0.0420  | 0.0428 | 0.0420 |
| 1.4             | 256QAM | 3  | 3  | 17.39  | 17.42 | 17.30  | 0.0426  | 0.0429 | 0.0417 |
| 1.4             | 256QAM | 6  | 0  | 17.38  | 17.35 | 17.30  | 0.0425  | 0.0422 | 0.0417 |



## LTE Band 4\_Ant2:

| 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         |            |         |           | 20050                    | 20175                       | 20300                     |         |        |        |
| Frequency (MHz) |            |         |           | 1720                     | 1732.5                      | 1745                      | L       | M      | H      |
| 20              | QPSK       | 1       | 0         | 22.37                    | 22.45                       | 22.44                     | 0.1040  | 0.1059 | 0.1057 |
| 20              | QPSK       | 1       | 49        | 22.42                    | 22.40                       | 22.39                     | 0.1052  | 0.1047 | 0.1045 |
| 20              | QPSK       | 1       | 99        | 22.37                    | 22.44                       | 22.33                     | 0.1040  | 0.1057 | 0.1030 |
| 20              | QPSK       | 50      | 0         | 21.38                    | 21.43                       | 21.36                     | 0.0828  | 0.0838 | 0.0824 |
| 20              | QPSK       | 50      | 24        | 21.32                    | 21.38                       | 21.30                     | 0.0817  | 0.0828 | 0.0813 |
| 20              | QPSK       | 50      | 50        | 21.30                    | 21.38                       | 21.27                     | 0.0813  | 0.0828 | 0.0807 |
| 20              | QPSK       | 100     | 0         | 21.36                    | 21.41                       | 21.35                     | 0.0824  | 0.0834 | 0.0822 |
| 20              | 16QAM      | 1       | 0         | 21.57                    | 21.71                       | 21.71                     | 0.0865  | 0.0893 | 0.0893 |
| 20              | 16QAM      | 1       | 49        | 21.66                    | 21.80                       | 21.66                     | 0.0883  | 0.0912 | 0.0883 |
| 20              | 16QAM      | 1       | 99        | 21.79                    | 21.74                       | 21.56                     | 0.0910  | 0.0899 | 0.0863 |
| 20              | 16QAM      | 50      | 0         | 20.21                    | 20.38                       | 20.26                     | 0.0632  | 0.0658 | 0.0640 |
| 20              | 16QAM      | 50      | 24        | 20.30                    | 20.34                       | 20.27                     | 0.0646  | 0.0652 | 0.0641 |
| 20              | 16QAM      | 50      | 50        | 20.39                    | 20.30                       | 20.29                     | 0.0659  | 0.0646 | 0.0644 |
| 20              | 16QAM      | 100     | 0         | 20.35                    | 20.38                       | 20.27                     | 0.0653  | 0.0658 | 0.0641 |
| 20              | 64QAM      | 1       | 0         | 20.46                    | 20.54                       | 20.50                     | 0.0670  | 0.0682 | 0.0676 |
| 20              | 64QAM      | 1       | 49        | 20.47                    | 20.53                       | 20.42                     | 0.0671  | 0.0681 | 0.0664 |
| 20              | 64QAM      | 1       | 99        | 20.44                    | 20.60                       | 20.57                     | 0.0667  | 0.0692 | 0.0687 |
| 20              | 64QAM      | 50      | 0         | 19.44                    | 19.30                       | 19.35                     | 0.0530  | 0.0513 | 0.0519 |
| 20              | 64QAM      | 50      | 24        | 19.31                    | 19.37                       | 19.34                     | 0.0514  | 0.0521 | 0.0518 |
| 20              | 64QAM      | 50      | 50        | 19.35                    | 19.38                       | 19.32                     | 0.0519  | 0.0522 | 0.0515 |
| 20              | 64QAM      | 100     | 0         | 19.30                    | 19.25                       | 19.40                     | 0.0513  | 0.0507 | 0.0525 |
| 20              | 256QAM     | 1       | 0         | 17.39                    | 17.42                       | 17.44                     | 0.0330  | 0.0333 | 0.0334 |
| 20              | 256QAM     | 1       | 49        | 17.45                    | 17.45                       | 17.43                     | 0.0335  | 0.0335 | 0.0333 |
| 20              | 256QAM     | 1       | 99        | 17.45                    | 17.38                       | 17.45                     | 0.0335  | 0.0330 | 0.0335 |
| 20              | 256QAM     | 50      | 0         | 17.38                    | 17.44                       | 17.44                     | 0.0330  | 0.0334 | 0.0334 |
| 20              | 256QAM     | 50      | 24        | 17.45                    | 17.46                       | 17.44                     | 0.0335  | 0.0336 | 0.0334 |
| 20              | 256QAM     | 50      | 50        | 17.47                    | 17.48                       | 17.44                     | 0.0337  | 0.0337 | 0.0334 |
| 20              | 256QAM     | 100     | 0         | 17.41                    | 17.39                       | 17.45                     | 0.0332  | 0.0330 | 0.0335 |
| Channel         |            |         |           | 20025                    | 20175                       | 20325                     | EIRP(W) |        |        |
| Frequency (MHz) |            |         |           | 1717.5                   | 1732.5                      | 1747.5                    | L       | M      | H      |
| 15              | QPSK       | 1       | 0         | 22.34                    | 22.40                       | 22.35                     | 0.1033  | 0.1047 | 0.1035 |
| 15              | QPSK       | 1       | 37        | 22.34                    | 22.35                       | 22.32                     | 0.1033  | 0.1035 | 0.1028 |
| 15              | QPSK       | 1       | 74        | 22.35                    | 22.36                       | 22.29                     | 0.1035  | 0.1038 | 0.1021 |
| 15              | QPSK       | 36      | 0         | 21.22                    | 21.34                       | 21.22                     | 0.0798  | 0.0820 | 0.0798 |
| 15              | QPSK       | 36      | 20        | 21.32                    | 21.27                       | 21.24                     | 0.0817  | 0.0807 | 0.0802 |
| 15              | QPSK       | 36      | 39        | 21.32                    | 21.32                       | 21.22                     | 0.0817  | 0.0817 | 0.0798 |
| 15              | QPSK       | 75      | 0         | 21.29                    | 21.26                       | 21.19                     | 0.0811  | 0.0805 | 0.0793 |
| 15              | 16QAM      | 1       | 0         | 21.60                    | 21.66                       | 21.66                     | 0.0871  | 0.0883 | 0.0883 |
| 15              | 16QAM      | 1       | 37        | 21.68                    | 21.71                       | 21.69                     | 0.0887  | 0.0893 | 0.0889 |
| 15              | 16QAM      | 1       | 74        | 21.75                    | 21.67                       | 21.57                     | 0.0902  | 0.0885 | 0.0865 |
| 15              | 16QAM      | 36      | 0         | 20.23                    | 20.31                       | 20.22                     | 0.0635  | 0.0647 | 0.0634 |
| 15              | 16QAM      | 36      | 20        | 20.22                    | 20.26                       | 20.31                     | 0.0634  | 0.0640 | 0.0647 |
| 15              | 16QAM      | 36      | 39        | 20.32                    | 20.33                       | 20.20                     | 0.0649  | 0.0650 | 0.0631 |
| 15              | 16QAM      | 75      | 0         | 20.33                    | 20.29                       | 20.29                     | 0.0650  | 0.0644 | 0.0644 |



|                 |        |    |    |        |        |        |         |        |        |
|-----------------|--------|----|----|--------|--------|--------|---------|--------|--------|
| 15              | 64QAM  | 1  | 0  | 20.45  | 20.50  | 20.35  | 0.0668  | 0.0676 | 0.0653 |
| 15              | 64QAM  | 1  | 37 | 20.37  | 20.45  | 20.37  | 0.0656  | 0.0668 | 0.0656 |
| 15              | 64QAM  | 1  | 74 | 20.33  | 20.57  | 20.46  | 0.0650  | 0.0687 | 0.0670 |
| 15              | 64QAM  | 36 | 0  | 19.35  | 19.32  | 19.25  | 0.0519  | 0.0515 | 0.0507 |
| 15              | 64QAM  | 36 | 20 | 19.26  | 19.33  | 19.36  | 0.0508  | 0.0516 | 0.0520 |
| 15              | 64QAM  | 36 | 39 | 19.30  | 19.38  | 19.23  | 0.0513  | 0.0522 | 0.0505 |
| 15              | 64QAM  | 75 | 0  | 19.23  | 19.30  | 19.27  | 0.0505  | 0.0513 | 0.0509 |
| 15              | 256QAM | 1  | 0  | 17.37  | 17.38  | 17.37  | 0.0329  | 0.0330 | 0.0329 |
| 15              | 256QAM | 1  | 37 | 17.35  | 17.36  | 17.34  | 0.0327  | 0.0328 | 0.0327 |
| 15              | 256QAM | 1  | 74 | 17.32  | 17.39  | 17.36  | 0.0325  | 0.0330 | 0.0328 |
| 15              | 256QAM | 36 | 0  | 17.35  | 17.36  | 17.39  | 0.0327  | 0.0328 | 0.0330 |
| 15              | 256QAM | 36 | 20 | 17.38  | 17.37  | 17.38  | 0.0330  | 0.0329 | 0.0330 |
| 15              | 256QAM | 36 | 39 | 17.31  | 17.34  | 17.31  | 0.0324  | 0.0327 | 0.0324 |
| 15              | 256QAM | 75 | 0  | 17.34  | 17.41  | 17.29  | 0.0327  | 0.0332 | 0.0323 |
| Channel         |        |    |    | 20000  | 20175  | 20350  | EIRP(W) |        |        |
| Frequency (MHz) |        |    |    | 1715   | 1732.5 | 1750   | L       | M      | H      |
| 10              | QPSK   | 1  | 0  | 22.40  | 22.36  | 22.38  | 0.1047  | 0.1038 | 0.1042 |
| 10              | QPSK   | 1  | 25 | 22.37  | 22.40  | 22.32  | 0.1040  | 0.1047 | 0.1028 |
| 10              | QPSK   | 1  | 49 | 22.32  | 22.34  | 22.37  | 0.1028  | 0.1033 | 0.1040 |
| 10              | QPSK   | 25 | 0  | 21.25  | 21.36  | 21.33  | 0.0804  | 0.0824 | 0.0818 |
| 10              | QPSK   | 25 | 12 | 21.32  | 21.24  | 21.24  | 0.0817  | 0.0802 | 0.0802 |
| 10              | QPSK   | 25 | 25 | 21.25  | 21.36  | 21.32  | 0.0804  | 0.0824 | 0.0817 |
| 10              | QPSK   | 50 | 0  | 21.31  | 21.29  | 21.26  | 0.0815  | 0.0811 | 0.0805 |
| 10              | 16QAM  | 1  | 0  | 21.54  | 21.67  | 21.67  | 0.0859  | 0.0885 | 0.0885 |
| 10              | 16QAM  | 1  | 25 | 21.66  | 21.75  | 21.67  | 0.0883  | 0.0902 | 0.0885 |
| 10              | 16QAM  | 1  | 49 | 21.73  | 21.72  | 21.55  | 0.0897  | 0.0895 | 0.0861 |
| 10              | 16QAM  | 25 | 0  | 20.25  | 20.38  | 20.30  | 0.0638  | 0.0658 | 0.0646 |
| 10              | 16QAM  | 25 | 12 | 20.20  | 20.30  | 20.20  | 0.0631  | 0.0646 | 0.0631 |
| 10              | 16QAM  | 25 | 25 | 20.28  | 20.24  | 20.28  | 0.0643  | 0.0637 | 0.0643 |
| 10              | 16QAM  | 50 | 0  | 20.28  | 20.26  | 20.22  | 0.0643  | 0.0640 | 0.0634 |
| 10              | 64QAM  | 1  | 0  | 20.39  | 20.41  | 20.40  | 0.0659  | 0.0662 | 0.0661 |
| 10              | 64QAM  | 1  | 25 | 20.43  | 20.37  | 20.35  | 0.0665  | 0.0656 | 0.0653 |
| 10              | 64QAM  | 1  | 49 | 20.34  | 20.54  | 20.44  | 0.0652  | 0.0682 | 0.0667 |
| 10              | 64QAM  | 25 | 0  | 19.35  | 19.23  | 19.29  | 0.0519  | 0.0505 | 0.0512 |
| 10              | 64QAM  | 25 | 12 | 19.25  | 19.39  | 19.30  | 0.0507  | 0.0524 | 0.0513 |
| 10              | 64QAM  | 25 | 25 | 19.24  | 19.34  | 19.20  | 0.0506  | 0.0518 | 0.0501 |
| 10              | 64QAM  | 50 | 0  | 19.27  | 19.26  | 19.34  | 0.0509  | 0.0508 | 0.0518 |
| 10              | 256QAM | 1  | 0  | 17.33  | 17.44  | 17.32  | 0.0326  | 0.0334 | 0.0325 |
| 10              | 256QAM | 1  | 25 | 17.30  | 17.46  | 17.42  | 0.0324  | 0.0336 | 0.0333 |
| 10              | 256QAM | 1  | 49 | 17.41  | 17.38  | 17.40  | 0.0332  | 0.0330 | 0.0331 |
| 10              | 256QAM | 25 | 0  | 17.37  | 17.36  | 17.40  | 0.0329  | 0.0328 | 0.0331 |
| 10              | 256QAM | 25 | 12 | 17.37  | 17.33  | 17.40  | 0.0329  | 0.0326 | 0.0331 |
| 10              | 256QAM | 25 | 25 | 17.30  | 17.38  | 17.32  | 0.0324  | 0.0330 | 0.0325 |
| 10              | 256QAM | 50 | 0  | 17.38  | 17.36  | 17.36  | 0.0330  | 0.0328 | 0.0328 |
| Channel         |        |    |    | 19975  | 20175  | 20375  | EIRP(W) |        |        |
| Frequency (MHz) |        |    |    | 1712.5 | 1732.5 | 1752.5 | L       | M      | H      |
| 5               | QPSK   | 1  | 0  | 22.37  | 22.42  | 22.32  | 0.1040  | 0.1052 | 0.1028 |
| 5               | QPSK   | 1  | 12 | 22.31  | 22.37  | 22.33  | 0.1026  | 0.1040 | 0.1030 |
| 5               | QPSK   | 1  | 24 | 22.32  | 22.33  | 22.27  | 0.1028  | 0.1030 | 0.1016 |
| 5               | QPSK   | 12 | 0  | 21.25  | 21.27  | 21.30  | 0.0804  | 0.0807 | 0.0813 |



|                 |        |    |    |        |        |        |         |        |        |
|-----------------|--------|----|----|--------|--------|--------|---------|--------|--------|
| 5               | QPSK   | 12 | 7  | 21.27  | 21.27  | 21.25  | 0.0807  | 0.0807 | 0.0804 |
| 5               | QPSK   | 12 | 13 | 21.24  | 21.37  | 21.27  | 0.0802  | 0.0826 | 0.0807 |
| 5               | QPSK   | 25 | 0  | 21.21  | 21.30  | 21.20  | 0.0796  | 0.0813 | 0.0794 |
| 5               | 16QAM  | 1  | 0  | 21.54  | 21.61  | 21.69  | 0.0859  | 0.0873 | 0.0889 |
| 5               | 16QAM  | 1  | 12 | 21.68  | 21.78  | 21.62  | 0.0887  | 0.0908 | 0.0875 |
| 5               | 16QAM  | 1  | 24 | 21.66  | 21.70  | 21.59  | 0.0883  | 0.0891 | 0.0869 |
| 5               | 16QAM  | 12 | 0  | 20.17  | 20.31  | 20.19  | 0.0627  | 0.0647 | 0.0630 |
| 5               | 16QAM  | 12 | 7  | 20.24  | 20.26  | 20.19  | 0.0637  | 0.0640 | 0.0630 |
| 5               | 16QAM  | 12 | 13 | 20.32  | 20.34  | 20.21  | 0.0649  | 0.0652 | 0.0632 |
| 5               | 16QAM  | 25 | 0  | 20.23  | 20.32  | 20.29  | 0.0635  | 0.0649 | 0.0644 |
| 5               | 64QAM  | 1  | 0  | 20.44  | 20.52  | 20.43  | 0.0667  | 0.0679 | 0.0665 |
| 5               | 64QAM  | 1  | 12 | 20.44  | 20.43  | 20.40  | 0.0667  | 0.0665 | 0.0661 |
| 5               | 64QAM  | 1  | 24 | 20.32  | 20.56  | 20.55  | 0.0649  | 0.0685 | 0.0684 |
| 5               | 64QAM  | 12 | 0  | 19.33  | 19.31  | 19.22  | 0.0516  | 0.0514 | 0.0504 |
| 5               | 64QAM  | 12 | 7  | 19.20  | 19.34  | 19.28  | 0.0501  | 0.0518 | 0.0511 |
| 5               | 64QAM  | 12 | 13 | 19.26  | 19.34  | 19.26  | 0.0508  | 0.0518 | 0.0508 |
| 5               | 64QAM  | 25 | 0  | 19.24  | 19.24  | 19.30  | 0.0506  | 0.0506 | 0.0513 |
| 5               | 256QAM | 1  | 0  | 17.38  | 17.41  | 17.40  | 0.0330  | 0.0332 | 0.0331 |
| 5               | 256QAM | 1  | 12 | 17.34  | 17.45  | 17.43  | 0.0327  | 0.0335 | 0.0333 |
| 5               | 256QAM | 1  | 24 | 17.35  | 17.41  | 17.32  | 0.0327  | 0.0332 | 0.0325 |
| 5               | 256QAM | 12 | 0  | 17.31  | 17.41  | 17.37  | 0.0324  | 0.0332 | 0.0329 |
| 5               | 256QAM | 12 | 7  | 17.30  | 17.33  | 17.41  | 0.0324  | 0.0326 | 0.0332 |
| 5               | 256QAM | 12 | 13 | 17.29  | 17.34  | 17.33  | 0.0323  | 0.0327 | 0.0326 |
| 5               | 256QAM | 25 | 0  | 17.30  | 17.33  | 17.39  | 0.0324  | 0.0326 | 0.0330 |
| Channel         |        |    |    | 19965  | 20175  | 20385  | EIRP(W) |        |        |
| Frequency (MHz) |        |    |    | 1711.5 | 1732.5 | 1753.5 | L       | M      | H      |
| 3               | QPSK   | 1  | 0  | 22.41  | 22.35  | 22.28  | 0.1050  | 0.1035 | 0.1019 |
| 3               | QPSK   | 1  | 8  | 22.29  | 22.35  | 22.31  | 0.1021  | 0.1035 | 0.1026 |
| 3               | QPSK   | 1  | 14 | 22.25  | 22.34  | 22.30  | 0.1012  | 0.1033 | 0.1023 |
| 3               | QPSK   | 8  | 0  | 21.27  | 21.31  | 21.27  | 0.0807  | 0.0815 | 0.0807 |
| 3               | QPSK   | 8  | 4  | 21.28  | 21.26  | 21.29  | 0.0809  | 0.0805 | 0.0811 |
| 3               | QPSK   | 8  | 7  | 21.24  | 21.37  | 21.28  | 0.0802  | 0.0826 | 0.0809 |
| 3               | QPSK   | 15 | 0  | 21.23  | 21.32  | 21.28  | 0.0800  | 0.0817 | 0.0809 |
| 3               | 16QAM  | 1  | 0  | 21.52  | 21.62  | 21.71  | 0.0855  | 0.0875 | 0.0893 |
| 3               | 16QAM  | 1  | 8  | 21.65  | 21.74  | 21.68  | 0.0881  | 0.0899 | 0.0887 |
| 3               | 16QAM  | 1  | 14 | 21.70  | 21.71  | 21.60  | 0.0891  | 0.0893 | 0.0871 |
| 3               | 16QAM  | 8  | 0  | 20.23  | 20.28  | 20.29  | 0.0635  | 0.0643 | 0.0644 |
| 3               | 16QAM  | 8  | 4  | 20.30  | 20.33  | 20.21  | 0.0646  | 0.0650 | 0.0632 |
| 3               | 16QAM  | 8  | 7  | 20.25  | 20.28  | 20.27  | 0.0638  | 0.0643 | 0.0641 |
| 3               | 16QAM  | 15 | 0  | 20.25  | 20.29  | 20.28  | 0.0638  | 0.0644 | 0.0643 |
| 3               | 64QAM  | 1  | 0  | 20.45  | 20.51  | 20.40  | 0.0668  | 0.0678 | 0.0661 |
| 3               | 64QAM  | 1  | 8  | 20.45  | 20.44  | 20.37  | 0.0668  | 0.0667 | 0.0656 |
| 3               | 64QAM  | 1  | 14 | 20.32  | 20.55  | 20.48  | 0.0649  | 0.0684 | 0.0673 |
| 3               | 64QAM  | 8  | 0  | 19.38  | 19.33  | 19.26  | 0.0522  | 0.0516 | 0.0508 |
| 3               | 64QAM  | 8  | 4  | 19.20  | 19.40  | 19.31  | 0.0501  | 0.0525 | 0.0514 |
| 3               | 64QAM  | 8  | 7  | 19.25  | 19.36  | 19.28  | 0.0507  | 0.0520 | 0.0511 |
| 3               | 64QAM  | 15 | 0  | 19.20  | 19.21  | 19.29  | 0.0501  | 0.0502 | 0.0512 |
| 3               | 256QAM | 1  | 0  | 17.40  | 17.47  | 17.35  | 0.0331  | 0.0337 | 0.0327 |
| 3               | 256QAM | 1  | 8  | 17.32  | 17.46  | 17.45  | 0.0325  | 0.0336 | 0.0335 |
| 3               | 256QAM | 1  | 14 | 17.33  | 17.32  | 17.39  | 0.0326  | 0.0325 | 0.0330 |



|                 |        |    |   |       |        |        |         |        |        |
|-----------------|--------|----|---|-------|--------|--------|---------|--------|--------|
| 3               | 256QAM | 8  | 0 | 17.34 | 17.32  | 17.36  | 0.0327  | 0.0325 | 0.0328 |
| 3               | 256QAM | 8  | 4 | 17.36 | 17.39  | 17.34  | 0.0328  | 0.0330 | 0.0327 |
| 3               | 256QAM | 8  | 7 | 17.30 | 17.39  | 17.35  | 0.0324  | 0.0330 | 0.0327 |
| 3               | 256QAM | 15 | 0 | 17.40 | 17.33  | 17.30  | 0.0331  | 0.0326 | 0.0324 |
| Channel         |        |    |   | 19950 | 20175  | 20393  | EIRP(W) |        |        |
| Frequency (MHz) |        |    |   | 1710  | 1732.5 | 1754.3 | L       | M      | H      |
| 1.4             | QPSK   | 1  | 0 | 22.28 | 22.41  | 22.26  | 0.1019  | 0.1050 | 0.1014 |
| 1.4             | QPSK   | 1  | 3 | 22.31 | 22.28  | 22.31  | 0.1026  | 0.1019 | 0.1026 |
| 1.4             | QPSK   | 1  | 5 | 22.23 | 22.27  | 22.28  | 0.1007  | 0.1016 | 0.1019 |
| 1.4             | QPSK   | 3  | 0 | 22.33 | 22.39  | 22.33  | 0.1030  | 0.1045 | 0.1030 |
| 1.4             | QPSK   | 3  | 1 | 22.27 | 22.31  | 22.31  | 0.1016  | 0.1026 | 0.1026 |
| 1.4             | QPSK   | 3  | 3 | 22.30 | 22.35  | 22.35  | 0.1023  | 0.1035 | 0.1035 |
| 1.4             | QPSK   | 6  | 0 | 21.28 | 21.36  | 21.19  | 0.0809  | 0.0824 | 0.0793 |
| 1.4             | 16QAM  | 1  | 0 | 21.24 | 21.36  | 21.25  | 0.0802  | 0.0824 | 0.0804 |
| 1.4             | 16QAM  | 1  | 3 | 21.23 | 21.37  | 21.30  | 0.0800  | 0.0826 | 0.0813 |
| 1.4             | 16QAM  | 1  | 5 | 21.19 | 21.37  | 21.23  | 0.0793  | 0.0826 | 0.0800 |
| 1.4             | 16QAM  | 3  | 0 | 21.54 | 21.68  | 21.66  | 0.0859  | 0.0887 | 0.0883 |
| 1.4             | 16QAM  | 3  | 1 | 21.69 | 21.65  | 21.66  | 0.0889  | 0.0881 | 0.0883 |
| 1.4             | 16QAM  | 3  | 3 | 21.69 | 21.75  | 21.55  | 0.0889  | 0.0902 | 0.0861 |
| 1.4             | 16QAM  | 6  | 0 | 20.23 | 20.25  | 20.22  | 0.0635  | 0.0638 | 0.0634 |
| 1.4             | 64QAM  | 1  | 0 | 20.24 | 20.34  | 20.21  | 0.0637  | 0.0652 | 0.0632 |
| 1.4             | 64QAM  | 1  | 3 | 20.28 | 20.32  | 20.24  | 0.0643  | 0.0649 | 0.0637 |
| 1.4             | 64QAM  | 1  | 5 | 20.33 | 20.18  | 20.16  | 0.0650  | 0.0628 | 0.0625 |
| 1.4             | 64QAM  | 3  | 0 | 20.50 | 20.50  | 20.35  | 0.0676  | 0.0676 | 0.0653 |
| 1.4             | 64QAM  | 3  | 1 | 20.41 | 20.43  | 20.38  | 0.0662  | 0.0665 | 0.0658 |
| 1.4             | 64QAM  | 3  | 3 | 20.31 | 20.45  | 20.45  | 0.0647  | 0.0668 | 0.0668 |
| 1.4             | 64QAM  | 6  | 0 | 19.17 | 19.28  | 19.25  | 0.0498  | 0.0511 | 0.0507 |
| 1.4             | 256QAM | 1  | 0 | 17.37 | 17.44  | 17.37  | 0.0329  | 0.0334 | 0.0329 |
| 1.4             | 256QAM | 1  | 3 | 17.38 | 17.34  | 17.34  | 0.0330  | 0.0327 | 0.0327 |
| 1.4             | 256QAM | 1  | 5 | 17.38 | 17.40  | 17.31  | 0.0330  | 0.0331 | 0.0324 |
| 1.4             | 256QAM | 3  | 0 | 17.32 | 17.42  | 17.43  | 0.0325  | 0.0333 | 0.0333 |
| 1.4             | 256QAM | 3  | 1 | 17.31 | 17.44  | 17.29  | 0.0324  | 0.0334 | 0.0323 |
| 1.4             | 256QAM | 3  | 3 | 17.35 | 17.37  | 17.34  | 0.0327  | 0.0329 | 0.0327 |
| 1.4             | 256QAM | 6  | 0 | 17.38 | 17.34  | 17.34  | 0.0330  | 0.0327 | 0.0327 |



## LTE Band 5\_Ant1:

| 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         |            |         |           | 20450                    | 20525                       | 20600                     |        |        |        |
| Frequency (MHz) |            |         |           | 829                      | 836.5                       | 844                       | L      | M      | H      |
| 10              | QPSK       | 1       | 0         | 22.45                    | 22.49                       | 22.40                     | 0.0380 | 0.0384 | 0.0376 |
| 10              | QPSK       | 1       | 25        | 22.33                    | 22.35                       | 22.41                     | 0.0370 | 0.0372 | 0.0377 |
| 10              | QPSK       | 1       | 49        | 22.39                    | 22.47                       | 22.31                     | 0.0375 | 0.0382 | 0.0368 |
| 10              | QPSK       | 25      | 0         | 21.37                    | 21.47                       | 21.39                     | 0.0296 | 0.0303 | 0.0298 |
| 10              | QPSK       | 25      | 12        | 21.22                    | 21.35                       | 21.22                     | 0.0286 | 0.0295 | 0.0286 |
| 10              | QPSK       | 25      | 25        | 21.24                    | 21.32                       | 21.28                     | 0.0288 | 0.0293 | 0.0290 |
| 10              | QPSK       | 50      | 0         | 21.33                    | 21.45                       | 21.31                     | 0.0294 | 0.0302 | 0.0292 |
| 10              | 16QAM      | 1       | 0         | 21.63                    | 21.82                       | 21.79                     | 0.0315 | 0.0329 | 0.0327 |
| 10              | 16QAM      | 1       | 25        | 21.73                    | 21.78                       | 21.64                     | 0.0322 | 0.0326 | 0.0316 |
| 10              | 16QAM      | 1       | 49        | 21.77                    | 21.86                       | 21.70                     | 0.0325 | 0.0332 | 0.0320 |
| 10              | 16QAM      | 25      | 0         | 20.31                    | 20.38                       | 20.16                     | 0.0232 | 0.0236 | 0.0224 |
| 10              | 16QAM      | 25      | 12        | 20.23                    | 20.29                       | 20.25                     | 0.0228 | 0.0231 | 0.0229 |
| 10              | 16QAM      | 25      | 25        | 20.29                    | 20.25                       | 20.27                     | 0.0231 | 0.0229 | 0.0230 |
| 10              | 16QAM      | 50      | 0         | 20.29                    | 20.38                       | 20.29                     | 0.0231 | 0.0236 | 0.0231 |
| 10              | 64QAM      | 1       | 0         | 20.45                    | 20.48                       | 20.50                     | 0.0240 | 0.0242 | 0.0243 |
| 10              | 64QAM      | 1       | 25        | 20.41                    | 20.51                       | 20.48                     | 0.0238 | 0.0243 | 0.0242 |
| 10              | 64QAM      | 1       | 49        | 20.37                    | 20.58                       | 20.44                     | 0.0236 | 0.0247 | 0.0239 |
| 10              | 64QAM      | 25      | 0         | 19.40                    | 19.30                       | 19.17                     | 0.0188 | 0.0184 | 0.0179 |
| 10              | 64QAM      | 25      | 12        | 19.30                    | 19.28                       | 19.34                     | 0.0184 | 0.0183 | 0.0186 |
| 10              | 64QAM      | 25      | 25        | 19.28                    | 19.31                       | 19.24                     | 0.0183 | 0.0185 | 0.0182 |
| 10              | 64QAM      | 50      | 0         | 19.22                    | 19.30                       | 19.28                     | 0.0181 | 0.0184 | 0.0183 |
| 10              | 256QAM     | 1       | 0         | 17.36                    | 17.49                       | 17.26                     | 0.0118 | 0.0121 | 0.0115 |
| 10              | 256QAM     | 1       | 25        | 17.31                    | 17.46                       | 17.45                     | 0.0116 | 0.0121 | 0.0120 |
| 10              | 256QAM     | 1       | 49        | 17.34                    | 17.46                       | 17.25                     | 0.0117 | 0.0121 | 0.0115 |
| 10              | 256QAM     | 25      | 0         | 17.28                    | 17.36                       | 17.27                     | 0.0116 | 0.0118 | 0.0115 |
| 10              | 256QAM     | 25      | 12        | 17.18                    | 17.25                       | 17.07                     | 0.0113 | 0.0115 | 0.0110 |
| 10              | 256QAM     | 25      | 25        | 17.20                    | 17.33                       | 17.13                     | 0.0114 | 0.0117 | 0.0112 |
| 10              | 256QAM     | 50      | 0         | 17.11                    | 17.22                       | 17.18                     | 0.0111 | 0.0114 | 0.0113 |
| Channel         |            |         |           | 20425                    | 20525                       | 20625                     | ERP(W) |        |        |
| Frequency (MHz) |            |         |           | 826.5                    | 836.5                       | 846.5                     | L      | M      | H      |
| 5               | QPSK       | 1       | 0         | 22.33                    | 22.44                       | 22.32                     | 0.0370 | 0.0379 | 0.0369 |
| 5               | QPSK       | 1       | 12        | 22.20                    | 22.32                       | 22.32                     | 0.0359 | 0.0369 | 0.0369 |
| 5               | QPSK       | 1       | 24        | 22.27                    | 22.36                       | 22.30                     | 0.0365 | 0.0372 | 0.0367 |
| 5               | QPSK       | 12      | 0         | 21.19                    | 21.31                       | 21.30                     | 0.0284 | 0.0292 | 0.0292 |
| 5               | QPSK       | 12      | 7         | 21.23                    | 21.24                       | 21.14                     | 0.0287 | 0.0288 | 0.0281 |
| 5               | QPSK       | 12      | 13        | 21.22                    | 21.25                       | 21.24                     | 0.0286 | 0.0288 | 0.0288 |
| 5               | QPSK       | 25      | 0         | 21.18                    | 21.25                       | 21.24                     | 0.0284 | 0.0288 | 0.0288 |
| 5               | 16QAM      | 1       | 0         | 21.56                    | 21.65                       | 21.66                     | 0.0310 | 0.0316 | 0.0317 |
| 5               | 16QAM      | 1       | 12        | 21.55                    | 21.69                       | 21.55                     | 0.0309 | 0.0319 | 0.0309 |
| 5               | 16QAM      | 1       | 24        | 21.64                    | 21.76                       | 21.56                     | 0.0316 | 0.0324 | 0.0310 |
| 5               | 16QAM      | 12      | 0         | 20.21                    | 20.20                       | 20.07                     | 0.0227 | 0.0226 | 0.0220 |
| 5               | 16QAM      | 12      | 7         | 20.17                    | 20.22                       | 20.19                     | 0.0225 | 0.0228 | 0.0226 |
| 5               | 16QAM      | 12      | 13        | 20.17                    | 20.18                       | 20.23                     | 0.0225 | 0.0225 | 0.0228 |
| 5               | 16QAM      | 25      | 0         | 20.18                    | 20.25                       | 20.21                     | 0.0225 | 0.0229 | 0.0227 |



|                 |        |    |    |       |       |       |        |        |        |
|-----------------|--------|----|----|-------|-------|-------|--------|--------|--------|
| 5               | 64QAM  | 1  | 0  | 20.32 | 20.45 | 20.41 | 0.0233 | 0.0240 | 0.0238 |
| 5               | 64QAM  | 1  | 12 | 20.28 | 20.50 | 20.45 | 0.0231 | 0.0243 | 0.0240 |
| 5               | 64QAM  | 1  | 24 | 20.32 | 20.50 | 20.38 | 0.0233 | 0.0243 | 0.0236 |
| 5               | 64QAM  | 12 | 0  | 19.22 | 19.19 | 19.11 | 0.0181 | 0.0179 | 0.0176 |
| 5               | 64QAM  | 12 | 7  | 19.18 | 19.23 | 19.24 | 0.0179 | 0.0181 | 0.0182 |
| 5               | 64QAM  | 12 | 13 | 19.17 | 19.27 | 19.13 | 0.0179 | 0.0183 | 0.0177 |
| 5               | 64QAM  | 25 | 0  | 19.14 | 19.12 | 19.16 | 0.0177 | 0.0177 | 0.0178 |
| 5               | 256QAM | 1  | 0  | 17.22 | 17.47 | 17.23 | 0.0114 | 0.0121 | 0.0114 |
| 5               | 256QAM | 1  | 12 | 17.25 | 17.41 | 17.42 | 0.0115 | 0.0119 | 0.0119 |
| 5               | 256QAM | 1  | 24 | 17.24 | 17.32 | 17.27 | 0.0115 | 0.0117 | 0.0115 |
| 5               | 256QAM | 12 | 0  | 17.15 | 17.27 | 17.15 | 0.0112 | 0.0115 | 0.0112 |
| 5               | 256QAM | 12 | 7  | 17.05 | 17.17 | 17.00 | 0.0110 | 0.0113 | 0.0108 |
| 5               | 256QAM | 12 | 13 | 17.10 | 17.21 | 17.08 | 0.0111 | 0.0114 | 0.0110 |
| 5               | 256QAM | 25 | 0  | 17.00 | 17.18 | 17.06 | 0.0108 | 0.0113 | 0.0110 |
| Channel         |        |    |    | 20415 | 20525 | 20635 | ERP(W) |        |        |
| Frequency (MHz) |        |    |    | 825.5 | 836.5 | 847.5 | L      | M      | H      |
| 3               | QPSK   | 1  | 0  | 22.28 | 22.42 | 22.27 | 0.0366 | 0.0378 | 0.0365 |
| 3               | QPSK   | 1  | 8  | 22.30 | 22.28 | 22.37 | 0.0367 | 0.0366 | 0.0373 |
| 3               | QPSK   | 1  | 14 | 22.36 | 22.38 | 22.31 | 0.0372 | 0.0374 | 0.0368 |
| 3               | QPSK   | 8  | 0  | 21.16 | 21.34 | 21.32 | 0.0282 | 0.0294 | 0.0293 |
| 3               | QPSK   | 8  | 4  | 21.18 | 21.22 | 21.07 | 0.0284 | 0.0286 | 0.0277 |
| 3               | QPSK   | 8  | 7  | 21.26 | 21.26 | 21.23 | 0.0289 | 0.0289 | 0.0287 |
| 3               | QPSK   | 15 | 0  | 21.29 | 21.35 | 21.20 | 0.0291 | 0.0295 | 0.0285 |
| 3               | 16QAM  | 1  | 0  | 21.60 | 21.75 | 21.74 | 0.0313 | 0.0324 | 0.0323 |
| 3               | 16QAM  | 1  | 8  | 21.66 | 21.62 | 21.65 | 0.0317 | 0.0314 | 0.0316 |
| 3               | 16QAM  | 1  | 14 | 21.61 | 21.78 | 21.55 | 0.0313 | 0.0326 | 0.0309 |
| 3               | 16QAM  | 8  | 0  | 20.13 | 20.27 | 20.19 | 0.0223 | 0.0230 | 0.0226 |
| 3               | 16QAM  | 8  | 4  | 20.08 | 20.22 | 20.20 | 0.0220 | 0.0228 | 0.0226 |
| 3               | 16QAM  | 8  | 7  | 20.15 | 20.19 | 20.16 | 0.0224 | 0.0226 | 0.0224 |
| 3               | 16QAM  | 15 | 0  | 20.20 | 20.33 | 20.13 | 0.0226 | 0.0233 | 0.0223 |
| 3               | 64QAM  | 1  | 0  | 20.36 | 20.46 | 20.35 | 0.0235 | 0.0240 | 0.0234 |
| 3               | 64QAM  | 1  | 8  | 20.30 | 20.51 | 20.42 | 0.0232 | 0.0243 | 0.0238 |
| 3               | 64QAM  | 1  | 14 | 20.29 | 20.44 | 20.36 | 0.0231 | 0.0239 | 0.0235 |
| 3               | 64QAM  | 8  | 0  | 19.32 | 19.27 | 19.10 | 0.0185 | 0.0183 | 0.0176 |
| 3               | 64QAM  | 8  | 4  | 19.22 | 19.20 | 19.22 | 0.0181 | 0.0180 | 0.0181 |
| 3               | 64QAM  | 8  | 7  | 19.18 | 19.17 | 19.10 | 0.0179 | 0.0179 | 0.0176 |
| 3               | 64QAM  | 15 | 0  | 19.13 | 19.20 | 19.17 | 0.0177 | 0.0180 | 0.0179 |
| 3               | 256QAM | 1  | 0  | 17.21 | 17.40 | 17.26 | 0.0114 | 0.0119 | 0.0115 |
| 3               | 256QAM | 1  | 8  | 17.24 | 17.37 | 17.37 | 0.0115 | 0.0118 | 0.0118 |
| 3               | 256QAM | 1  | 14 | 17.30 | 17.35 | 17.29 | 0.0116 | 0.0117 | 0.0116 |
| 3               | 256QAM | 8  | 0  | 17.16 | 17.26 | 17.16 | 0.0112 | 0.0115 | 0.0112 |
| 3               | 256QAM | 8  | 4  | 17.01 | 17.26 | 17.03 | 0.0109 | 0.0115 | 0.0109 |
| 3               | 256QAM | 8  | 7  | 17.12 | 17.24 | 17.07 | 0.0111 | 0.0115 | 0.0110 |
| 3               | 256QAM | 15 | 0  | 17.06 | 17.14 | 17.13 | 0.0110 | 0.0112 | 0.0112 |
| Channel         |        |    |    | 20407 | 20525 | 20643 | ERP(W) |        |        |
| Frequency (MHz) |        |    |    | 824.7 | 836.5 | 848.3 | L      | M      | H      |
| 1.4             | QPSK   | 1  | 0  | 22.36 | 22.35 | 22.34 | 0.0372 | 0.0372 | 0.0371 |
| 1.4             | QPSK   | 1  | 3  | 22.20 | 22.29 | 22.39 | 0.0359 | 0.0366 | 0.0375 |
| 1.4             | QPSK   | 1  | 5  | 22.21 | 22.29 | 22.29 | 0.0360 | 0.0366 | 0.0366 |
| 1.4             | QPSK   | 3  | 0  | 22.34 | 22.44 | 22.26 | 0.0371 | 0.0379 | 0.0364 |



|     |        |   |   |       |       |       |        |        |        |
|-----|--------|---|---|-------|-------|-------|--------|--------|--------|
| 1.4 | QPSK   | 3 | 1 | 22.13 | 22.35 | 22.30 | 0.0353 | 0.0372 | 0.0367 |
| 1.4 | QPSK   | 3 | 3 | 22.37 | 22.43 | 22.39 | 0.0373 | 0.0378 | 0.0375 |
| 1.4 | QPSK   | 6 | 0 | 21.15 | 21.32 | 21.14 | 0.0282 | 0.0293 | 0.0281 |
| 1.4 | 16QAM  | 1 | 0 | 21.27 | 21.24 | 21.09 | 0.0290 | 0.0288 | 0.0278 |
| 1.4 | 16QAM  | 1 | 3 | 21.25 | 21.32 | 21.21 | 0.0288 | 0.0293 | 0.0286 |
| 1.4 | 16QAM  | 1 | 5 | 21.23 | 21.29 | 21.16 | 0.0287 | 0.0291 | 0.0282 |
| 1.4 | 16QAM  | 3 | 0 | 21.38 | 21.73 | 21.63 | 0.0297 | 0.0322 | 0.0315 |
| 1.4 | 16QAM  | 3 | 1 | 21.57 | 21.62 | 21.63 | 0.0310 | 0.0314 | 0.0315 |
| 1.4 | 16QAM  | 3 | 3 | 21.74 | 21.59 | 21.59 | 0.0323 | 0.0312 | 0.0312 |
| 1.4 | 16QAM  | 6 | 0 | 20.14 | 20.17 | 20.22 | 0.0223 | 0.0225 | 0.0228 |
| 1.4 | 64QAM  | 1 | 0 | 20.19 | 20.33 | 20.16 | 0.0226 | 0.0233 | 0.0224 |
| 1.4 | 64QAM  | 1 | 3 | 20.16 | 20.22 | 20.26 | 0.0224 | 0.0228 | 0.0230 |
| 1.4 | 64QAM  | 1 | 5 | 20.14 | 20.27 | 20.11 | 0.0223 | 0.0230 | 0.0222 |
| 1.4 | 64QAM  | 3 | 0 | 20.29 | 20.27 | 20.28 | 0.0231 | 0.0230 | 0.0231 |
| 1.4 | 64QAM  | 3 | 1 | 20.10 | 20.25 | 20.20 | 0.0221 | 0.0229 | 0.0226 |
| 1.4 | 64QAM  | 3 | 3 | 20.21 | 20.29 | 20.24 | 0.0227 | 0.0231 | 0.0229 |
| 1.4 | 64QAM  | 6 | 0 | 19.26 | 19.25 | 19.28 | 0.0182 | 0.0182 | 0.0183 |
| 1.4 | 256QAM | 1 | 0 | 17.22 | 17.42 | 17.12 | 0.0114 | 0.0119 | 0.0111 |
| 1.4 | 256QAM | 1 | 3 | 17.25 | 17.35 | 17.29 | 0.0115 | 0.0117 | 0.0116 |
| 1.4 | 256QAM | 1 | 5 | 17.27 | 17.33 | 17.16 | 0.0115 | 0.0117 | 0.0112 |
| 1.4 | 256QAM | 3 | 0 | 17.10 | 17.19 | 17.17 | 0.0111 | 0.0113 | 0.0113 |
| 1.4 | 256QAM | 3 | 1 | 17.00 | 17.12 | 17.07 | 0.0108 | 0.0111 | 0.0110 |
| 1.4 | 256QAM | 3 | 3 | 17.08 | 17.11 | 17.12 | 0.0110 | 0.0111 | 0.0111 |
| 1.4 | 256QAM | 6 | 0 | 17.05 | 17.11 | 17.02 | 0.0110 | 0.0111 | 0.0109 |

## LTE Band 12\_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         |            |         |           | 23060                    | 23095                       | 23130                     |        |        |        |
| Frequency (MHz) |            |         |           | 704                      | 707.5                       | 711                       | L      | M      | H      |
| 10              | QPSK       | 1       | 0         | 22.47                    | 22.51                       | 22.50                     | 0.0348 | 0.0352 | 0.0351 |
| 10              | QPSK       | 1       | 25        | 22.35                    | 22.39                       | 22.32                     | 0.0339 | 0.0342 | 0.0337 |
| 10              | QPSK       | 1       | 49        | 22.30                    | 22.50                       | 22.47                     | 0.0335 | 0.0351 | 0.0348 |
| 10              | QPSK       | 25      | 0         | 21.40                    | 21.50                       | 21.45                     | 0.0272 | 0.0279 | 0.0275 |
| 10              | QPSK       | 25      | 12        | 21.42                    | 21.49                       | 21.33                     | 0.0274 | 0.0278 | 0.0268 |
| 10              | QPSK       | 25      | 25        | 21.46                    | 21.47                       | 21.46                     | 0.0276 | 0.0277 | 0.0276 |
| 10              | QPSK       | 50      | 0         | 21.44                    | 21.47                       | 21.45                     | 0.0275 | 0.0277 | 0.0275 |
| 10              | 16QAM      | 1       | 0         | 21.38                    | 21.51                       | 21.48                     | 0.0271 | 0.0279 | 0.0277 |
| 10              | 16QAM      | 1       | 25        | 21.31                    | 21.44                       | 21.42                     | 0.0267 | 0.0275 | 0.0274 |
| 10              | 16QAM      | 1       | 49        | 21.40                    | 21.57                       | 21.44                     | 0.0272 | 0.0283 | 0.0275 |
| 10              | 16QAM      | 25      | 0         | 20.47                    | 20.52                       | 20.41                     | 0.0220 | 0.0222 | 0.0217 |
| 10              | 16QAM      | 25      | 12        | 20.37                    | 20.52                       | 20.53                     | 0.0215 | 0.0222 | 0.0223 |
| 10              | 16QAM      | 25      | 25        | 20.56                    | 20.48                       | 20.44                     | 0.0224 | 0.0220 | 0.0218 |
| 10              | 16QAM      | 50      | 0         | 20.55                    | 20.49                       | 20.60                     | 0.0224 | 0.0221 | 0.0226 |
| 10              | 64QAM      | 1       | 0         | 20.28                    | 20.56                       | 20.35                     | 0.0210 | 0.0224 | 0.0214 |
| 10              | 64QAM      | 1       | 25        | 20.33                    | 20.58                       | 20.48                     | 0.0213 | 0.0225 | 0.0220 |
| 10              | 64QAM      | 1       | 49        | 20.54                    | 20.36                       | 20.49                     | 0.0223 | 0.0214 | 0.0221 |
| 10              | 64QAM      | 25      | 0         | 19.23                    | 19.58                       | 19.44                     | 0.0165 | 0.0179 | 0.0173 |
| 10              | 64QAM      | 25      | 12        | 19.40                    | 19.52                       | 19.36                     | 0.0172 | 0.0177 | 0.0170 |



|                 |        |    |    |       |       |       |        |        |        |
|-----------------|--------|----|----|-------|-------|-------|--------|--------|--------|
| 10              | 64QAM  | 25 | 25 | 19.42 | 19.44 | 19.41 | 0.0173 | 0.0173 | 0.0172 |
| 10              | 64QAM  | 50 | 0  | 19.32 | 19.59 | 19.66 | 0.0169 | 0.0179 | 0.0182 |
| 10              | 256QAM | 1  | 0  | 17.29 | 17.52 | 17.54 | 0.0106 | 0.0111 | 0.0112 |
| 10              | 256QAM | 1  | 25 | 17.41 | 17.41 | 17.48 | 0.0109 | 0.0109 | 0.0110 |
| 10              | 256QAM | 1  | 49 | 17.44 | 17.30 | 17.49 | 0.0109 | 0.0106 | 0.0111 |
| 10              | 256QAM | 25 | 0  | 17.62 | 17.64 | 17.53 | 0.0114 | 0.0115 | 0.0112 |
| 10              | 256QAM | 25 | 12 | 17.22 | 17.46 | 17.57 | 0.0104 | 0.0110 | 0.0113 |
| 10              | 256QAM | 25 | 25 | 17.26 | 17.47 | 17.25 | 0.0105 | 0.0110 | 0.0105 |
| 10              | 256QAM | 50 | 0  | 17.34 | 17.48 | 17.28 | 0.0107 | 0.0110 | 0.0105 |
| Channel         |        |    |    | 23035 | 23095 | 23155 | ERP(W) |        |        |
| Frequency (MHz) |        |    |    | 701.5 | 707.5 | 713.5 | L      | M      | H      |
| 5               | QPSK   | 1  | 0  | 22.46 | 22.41 | 22.39 | 0.0348 | 0.0344 | 0.0342 |
| 5               | QPSK   | 1  | 12 | 22.25 | 22.36 | 22.33 | 0.0331 | 0.0340 | 0.0337 |
| 5               | QPSK   | 1  | 24 | 22.22 | 22.33 | 22.29 | 0.0329 | 0.0337 | 0.0334 |
| 5               | QPSK   | 12 | 0  | 21.36 | 21.42 | 21.42 | 0.0270 | 0.0274 | 0.0274 |
| 5               | QPSK   | 12 | 7  | 21.37 | 21.40 | 21.27 | 0.0270 | 0.0272 | 0.0264 |
| 5               | QPSK   | 12 | 13 | 21.36 | 21.45 | 21.35 | 0.0270 | 0.0275 | 0.0269 |
| 5               | QPSK   | 25 | 0  | 21.43 | 21.33 | 21.41 | 0.0274 | 0.0268 | 0.0273 |
| 5               | 16QAM  | 1  | 0  | 21.37 | 21.40 | 21.46 | 0.0270 | 0.0272 | 0.0276 |
| 5               | 16QAM  | 1  | 12 | 21.28 | 21.36 | 21.32 | 0.0265 | 0.0270 | 0.0267 |
| 5               | 16QAM  | 1  | 24 | 21.35 | 21.53 | 21.32 | 0.0269 | 0.0281 | 0.0267 |
| 5               | 16QAM  | 12 | 0  | 20.40 | 20.41 | 20.37 | 0.0216 | 0.0217 | 0.0215 |
| 5               | 16QAM  | 12 | 7  | 20.27 | 20.41 | 20.41 | 0.0210 | 0.0217 | 0.0217 |
| 5               | 16QAM  | 12 | 13 | 20.49 | 20.49 | 20.34 | 0.0221 | 0.0221 | 0.0213 |
| 5               | 16QAM  | 25 | 0  | 20.45 | 20.52 | 20.51 | 0.0219 | 0.0222 | 0.0222 |
| 5               | 64QAM  | 1  | 0  | 20.25 | 20.47 | 20.30 | 0.0209 | 0.0220 | 0.0211 |
| 5               | 64QAM  | 1  | 12 | 20.18 | 20.54 | 20.41 | 0.0206 | 0.0223 | 0.0217 |
| 5               | 64QAM  | 1  | 24 | 20.44 | 20.27 | 20.40 | 0.0218 | 0.0210 | 0.0216 |
| 5               | 64QAM  | 12 | 0  | 19.20 | 19.48 | 19.41 | 0.0164 | 0.0175 | 0.0172 |
| 5               | 64QAM  | 12 | 7  | 19.29 | 19.49 | 19.24 | 0.0167 | 0.0175 | 0.0166 |
| 5               | 64QAM  | 12 | 13 | 19.32 | 19.43 | 19.33 | 0.0169 | 0.0173 | 0.0169 |
| 5               | 64QAM  | 25 | 0  | 19.25 | 19.56 | 19.55 | 0.0166 | 0.0178 | 0.0178 |
| 5               | 256QAM | 1  | 0  | 17.29 | 17.48 | 17.49 | 0.0106 | 0.0110 | 0.0111 |
| 5               | 256QAM | 1  | 12 | 17.34 | 17.35 | 17.46 | 0.0107 | 0.0107 | 0.0110 |
| 5               | 256QAM | 1  | 24 | 17.42 | 17.28 | 17.38 | 0.0109 | 0.0105 | 0.0108 |
| 5               | 256QAM | 12 | 0  | 17.55 | 17.47 | 17.52 | 0.0112 | 0.0110 | 0.0111 |
| 5               | 256QAM | 12 | 7  | 17.21 | 17.45 | 17.45 | 0.0104 | 0.0110 | 0.0110 |
| 5               | 256QAM | 12 | 13 | 17.25 | 17.38 | 17.25 | 0.0105 | 0.0108 | 0.0105 |
| 5               | 256QAM | 25 | 0  | 17.24 | 17.34 | 17.22 | 0.0104 | 0.0107 | 0.0104 |
| Channel         |        |    |    | 23025 | 23095 | 23165 | ERP(W) |        |        |
| Frequency (MHz) |        |    |    | 700.5 | 707.5 | 714.5 | L      | M      | H      |
| 3               | QPSK   | 1  | 0  | 22.43 | 22.46 | 22.44 | 0.0345 | 0.0348 | 0.0346 |
| 3               | QPSK   | 1  | 8  | 22.19 | 22.40 | 22.28 | 0.0327 | 0.0343 | 0.0333 |
| 3               | QPSK   | 1  | 14 | 22.29 | 22.38 | 22.34 | 0.0334 | 0.0341 | 0.0338 |
| 3               | QPSK   | 8  | 0  | 21.35 | 21.42 | 21.44 | 0.0269 | 0.0274 | 0.0275 |
| 3               | QPSK   | 8  | 4  | 21.44 | 21.36 | 21.31 | 0.0275 | 0.0270 | 0.0267 |
| 3               | QPSK   | 8  | 7  | 21.36 | 21.39 | 21.44 | 0.0270 | 0.0272 | 0.0275 |
| 3               | QPSK   | 15 | 0  | 21.43 | 21.34 | 21.40 | 0.0274 | 0.0269 | 0.0272 |
| 3               | 16QAM  | 1  | 0  | 21.39 | 21.38 | 21.38 | 0.0272 | 0.0271 | 0.0271 |
| 3               | 16QAM  | 1  | 8  | 21.36 | 21.36 | 21.28 | 0.0270 | 0.0270 | 0.0265 |



|                 |        |    |    |       |       |       |        |        |        |
|-----------------|--------|----|----|-------|-------|-------|--------|--------|--------|
| 3               | 16QAM  | 1  | 14 | 21.36 | 21.53 | 21.36 | 0.0270 | 0.0281 | 0.0270 |
| 3               | 16QAM  | 8  | 0  | 20.40 | 20.44 | 20.30 | 0.0216 | 0.0218 | 0.0211 |
| 3               | 16QAM  | 8  | 4  | 20.35 | 20.46 | 20.52 | 0.0214 | 0.0219 | 0.0222 |
| 3               | 16QAM  | 8  | 7  | 20.44 | 20.46 | 20.38 | 0.0218 | 0.0219 | 0.0215 |
| 3               | 16QAM  | 15 | 0  | 20.42 | 20.46 | 20.47 | 0.0217 | 0.0219 | 0.0220 |
| 3               | 64QAM  | 1  | 0  | 20.26 | 20.53 | 20.30 | 0.0209 | 0.0223 | 0.0211 |
| 3               | 64QAM  | 1  | 8  | 20.20 | 20.54 | 20.38 | 0.0207 | 0.0223 | 0.0215 |
| 3               | 64QAM  | 1  | 14 | 20.47 | 20.32 | 20.37 | 0.0220 | 0.0212 | 0.0215 |
| 3               | 64QAM  | 8  | 0  | 19.22 | 19.41 | 19.41 | 0.0165 | 0.0172 | 0.0172 |
| 3               | 64QAM  | 8  | 4  | 19.25 | 19.48 | 19.26 | 0.0166 | 0.0175 | 0.0166 |
| 3               | 64QAM  | 8  | 7  | 19.39 | 19.35 | 19.36 | 0.0171 | 0.0170 | 0.0170 |
| 3               | 64QAM  | 15 | 0  | 19.30 | 19.46 | 19.62 | 0.0168 | 0.0174 | 0.0181 |
| 3               | 256QAM | 1  | 0  | 17.25 | 17.47 | 17.44 | 0.0105 | 0.0110 | 0.0109 |
| 3               | 256QAM | 1  | 8  | 17.27 | 17.31 | 17.39 | 0.0105 | 0.0106 | 0.0108 |
| 3               | 256QAM | 1  | 14 | 17.33 | 17.28 | 17.39 | 0.0107 | 0.0105 | 0.0108 |
| 3               | 256QAM | 8  | 0  | 17.53 | 17.50 | 17.54 | 0.0112 | 0.0111 | 0.0112 |
| 3               | 256QAM | 8  | 4  | 17.23 | 17.38 | 17.51 | 0.0104 | 0.0108 | 0.0111 |
| 3               | 256QAM | 8  | 7  | 17.26 | 17.39 | 17.17 | 0.0105 | 0.0108 | 0.0103 |
| 3               | 256QAM | 15 | 0  | 17.26 | 17.33 | 17.25 | 0.0105 | 0.0107 | 0.0105 |
| Channel         |        |    |    | 23017 | 23095 | 23173 | ERP(W) |        |        |
| Frequency (MHz) |        |    |    | 699.7 | 707.5 | 715.3 | L      | M      | H      |
| 1.4             | QPSK   | 1  | 0  | 22.37 | 22.30 | 22.34 | 0.0340 | 0.0335 | 0.0338 |
| 1.4             | QPSK   | 1  | 3  | 22.23 | 22.32 | 22.19 | 0.0330 | 0.0337 | 0.0327 |
| 1.4             | QPSK   | 1  | 5  | 22.31 | 22.28 | 22.23 | 0.0336 | 0.0333 | 0.0330 |
| 1.4             | QPSK   | 3  | 0  | 22.28 | 22.37 | 22.25 | 0.0333 | 0.0340 | 0.0331 |
| 1.4             | QPSK   | 3  | 1  | 22.25 | 22.43 | 22.27 | 0.0331 | 0.0345 | 0.0333 |
| 1.4             | QPSK   | 3  | 3  | 22.16 | 22.26 | 22.33 | 0.0324 | 0.0332 | 0.0337 |
| 1.4             | QPSK   | 6  | 0  | 21.23 | 21.38 | 21.35 | 0.0262 | 0.0271 | 0.0269 |
| 1.4             | 16QAM  | 1  | 0  | 21.22 | 21.30 | 21.24 | 0.0261 | 0.0266 | 0.0262 |
| 1.4             | 16QAM  | 1  | 3  | 21.24 | 21.37 | 21.32 | 0.0262 | 0.0270 | 0.0267 |
| 1.4             | 16QAM  | 1  | 5  | 21.29 | 21.27 | 21.32 | 0.0265 | 0.0264 | 0.0267 |
| 1.4             | 16QAM  | 3  | 0  | 21.22 | 21.31 | 21.30 | 0.0261 | 0.0267 | 0.0266 |
| 1.4             | 16QAM  | 3  | 1  | 21.23 | 21.34 | 21.24 | 0.0262 | 0.0269 | 0.0262 |
| 1.4             | 16QAM  | 3  | 3  | 21.28 | 21.28 | 21.34 | 0.0265 | 0.0265 | 0.0269 |
| 1.4             | 16QAM  | 6  | 0  | 20.28 | 20.40 | 20.39 | 0.0210 | 0.0216 | 0.0216 |
| 1.4             | 64QAM  | 1  | 0  | 20.27 | 20.34 | 20.27 | 0.0210 | 0.0213 | 0.0210 |
| 1.4             | 64QAM  | 1  | 3  | 20.31 | 20.36 | 20.35 | 0.0212 | 0.0214 | 0.0214 |
| 1.4             | 64QAM  | 1  | 5  | 20.26 | 20.29 | 20.36 | 0.0209 | 0.0211 | 0.0214 |
| 1.4             | 64QAM  | 3  | 0  | 20.37 | 20.21 | 20.29 | 0.0215 | 0.0207 | 0.0211 |
| 1.4             | 64QAM  | 3  | 1  | 20.34 | 20.23 | 20.38 | 0.0213 | 0.0208 | 0.0215 |
| 1.4             | 64QAM  | 3  | 3  | 20.17 | 20.29 | 20.14 | 0.0205 | 0.0211 | 0.0204 |
| 1.4             | 64QAM  | 6  | 0  | 19.25 | 19.42 | 19.38 | 0.0166 | 0.0173 | 0.0171 |
| 1.4             | 256QAM | 1  | 0  | 17.19 | 17.42 | 17.38 | 0.0103 | 0.0109 | 0.0108 |
| 1.4             | 256QAM | 1  | 3  | 17.23 | 17.24 | 17.22 | 0.0104 | 0.0104 | 0.0104 |
| 1.4             | 256QAM | 1  | 5  | 17.31 | 17.25 | 17.40 | 0.0106 | 0.0105 | 0.0108 |
| 1.4             | 256QAM | 3  | 0  | 17.29 | 17.39 | 17.44 | 0.0106 | 0.0108 | 0.0109 |
| 1.4             | 256QAM | 3  | 1  | 17.19 | 17.50 | 17.31 | 0.0103 | 0.0111 | 0.0106 |
| 1.4             | 256QAM | 3  | 3  | 17.13 | 17.24 | 17.11 | 0.0102 | 0.0104 | 0.0101 |
| 1.4             | 256QAM | 6  | 0  | 17.32 | 17.34 | 17.10 | 0.0106 | 0.0107 | 0.0101 |



## 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         |                       | 22.47                    |                        |        | 0.0373 |        |
| 10              | QPSK       | 1       | 25        |                       | 22.37                    |                        |        | 0.0365 |        |
| 10              | QPSK       | 1       | 49        |                       | 22.40                    |                        |        | 0.0367 |        |
| 10              | QPSK       | 25      | 0         |                       | 21.45                    |                        |        | 0.0295 |        |
| 10              | QPSK       | 25      | 12        |                       | 21.44                    |                        |        | 0.0294 |        |
| 10              | QPSK       | 25      | 25        |                       | 21.44                    |                        |        | 0.0294 |        |
| 10              | QPSK       | 50      | 0         |                       | 21.42                    |                        |        | 0.0293 |        |
| 10              | 16QAM      | 1       | 0         |                       | 21.50                    |                        |        | 0.0299 |        |
| 10              | 16QAM      | 1       | 25        |                       | 21.45                    |                        |        | 0.0295 |        |
| 10              | 16QAM      | 1       | 49        |                       | 21.59                    |                        |        | 0.0305 |        |
| 10              | 16QAM      | 25      | 0         |                       | 20.55                    |                        |        | 0.0240 |        |
| 10              | 16QAM      | 25      | 12        |                       | 20.44                    |                        |        | 0.0234 |        |
| 10              | 16QAM      | 25      | 25        |                       | 20.53                    |                        |        | 0.0239 |        |
| 10              | 16QAM      | 50      | 0         |                       | 20.54                    |                        |        | 0.0239 |        |
| 10              | 64QAM      | 1       | 0         |                       | 20.59                    |                        |        | 0.0242 |        |
| 10              | 64QAM      | 1       | 25        |                       | 20.54                    |                        |        | 0.0239 |        |
| 10              | 64QAM      | 1       | 49        |                       | 20.31                    |                        |        | 0.0227 |        |
| 10              | 64QAM      | 25      | 0         |                       | 19.51                    |                        |        | 0.0189 |        |
| 10              | 64QAM      | 25      | 12        |                       | 19.54                    |                        |        | 0.0190 |        |
| 10              | 64QAM      | 25      | 25        |                       | 19.36                    |                        |        | 0.0182 |        |
| 10              | 64QAM      | 50      | 0         |                       | 19.53                    |                        |        | 0.0190 |        |
| 10              | 256QAM     | 1       | 0         |                       | 17.51                    |                        |        | 0.0119 |        |
| 10              | 256QAM     | 1       | 25        |                       | 17.43                    |                        |        | 0.0117 |        |
| 10              | 256QAM     | 1       | 49        |                       | 17.27                    |                        |        | 0.0113 |        |
| 10              | 256QAM     | 25      | 0         |                       | 17.56                    |                        |        | 0.0121 |        |
| 10              | 256QAM     | 25      | 12        |                       | 17.44                    |                        |        | 0.0117 |        |
| 10              | 256QAM     | 25      | 25        |                       | 17.39                    |                        |        | 0.0116 |        |
| 10              | 256QAM     | 50      | 0         |                       | 17.42                    |                        |        | 0.0117 |        |
| Channel         |            |         |           | 23205                 | 23230                    | 23255                  | ERP(W) |        |        |
| Frequency (MHz) |            |         |           | 779.5                 | 782                      | 784.5                  | L      | M      | H      |
| 5               | QPSK       | 1       | 0         | 22.42                 | 22.43                    | 22.46                  | 0.0369 | 0.0370 | 0.0372 |
| 5               | QPSK       | 1       | 12        | 22.25                 | 22.45                    | 22.32                  | 0.0355 | 0.0372 | 0.0361 |
| 5               | QPSK       | 1       | 24        | 22.29                 | 22.36                    | 22.45                  | 0.0358 | 0.0364 | 0.0372 |
| 5               | QPSK       | 12      | 0         | 21.44                 | 21.46                    | 21.48                  | 0.0294 | 0.0296 | 0.0297 |
| 5               | QPSK       | 12      | 7         | 21.43                 | 21.45                    | 21.32                  | 0.0294 | 0.0295 | 0.0286 |
| 5               | QPSK       | 12      | 13        | 21.49                 | 21.47                    | 21.44                  | 0.0298 | 0.0296 | 0.0294 |
| 5               | QPSK       | 25      | 0         | 21.45                 | 21.47                    | 21.45                  | 0.0295 | 0.0296 | 0.0295 |
| 5               | 16QAM      | 1       | 0         | 21.32                 | 21.46                    | 21.45                  | 0.0286 | 0.0296 | 0.0295 |
| 5               | 16QAM      | 1       | 12        | 21.39                 | 21.43                    | 21.40                  | 0.0291 | 0.0294 | 0.0292 |
| 5               | 16QAM      | 1       | 24        | 21.40                 | 21.61                    | 21.35                  | 0.0292 | 0.0306 | 0.0288 |
| 5               | 16QAM      | 12      | 0         | 20.50                 | 20.46                    | 20.39                  | 0.0237 | 0.0235 | 0.0231 |
| 5               | 16QAM      | 12      | 7         | 20.36                 | 20.48                    | 20.52                  | 0.0230 | 0.0236 | 0.0238 |
| 5               | 16QAM      | 12      | 13        | 20.53                 | 20.42                    | 20.37                  | 0.0239 | 0.0233 | 0.0230 |
| 5               | 16QAM      | 25      | 0         | 20.46                 | 20.48                    | 20.51                  | 0.0235 | 0.0236 | 0.0238 |



|   |        |    |    |       |       |       |        |        |        |
|---|--------|----|----|-------|-------|-------|--------|--------|--------|
| 5 | 64QAM  | 1  | 0  | 20.26 | 20.53 | 20.36 | 0.0224 | 0.0239 | 0.0230 |
| 5 | 64QAM  | 1  | 12 | 20.24 | 20.53 | 20.39 | 0.0223 | 0.0239 | 0.0231 |
| 5 | 64QAM  | 1  | 24 | 20.50 | 20.33 | 20.42 | 0.0237 | 0.0228 | 0.0233 |
| 5 | 64QAM  | 12 | 0  | 19.26 | 19.46 | 19.48 | 0.0178 | 0.0187 | 0.0187 |
| 5 | 64QAM  | 12 | 7  | 19.33 | 19.44 | 19.30 | 0.0181 | 0.0186 | 0.0180 |
| 5 | 64QAM  | 12 | 13 | 19.41 | 19.41 | 19.29 | 0.0185 | 0.0185 | 0.0179 |
| 5 | 64QAM  | 25 | 0  | 19.27 | 19.58 | 19.54 | 0.0179 | 0.0192 | 0.0190 |
| 5 | 256QAM | 1  | 0  | 17.25 | 17.47 | 17.42 | 0.0112 | 0.0118 | 0.0117 |
| 5 | 256QAM | 1  | 12 | 17.30 | 17.41 | 17.46 | 0.0114 | 0.0116 | 0.0118 |
| 5 | 256QAM | 1  | 24 | 17.45 | 17.27 | 17.45 | 0.0117 | 0.0113 | 0.0117 |
| 5 | 256QAM | 12 | 0  | 17.51 | 17.55 | 17.49 | 0.0119 | 0.0120 | 0.0119 |
| 5 | 256QAM | 12 | 7  | 17.25 | 17.44 | 17.56 | 0.0112 | 0.0117 | 0.0121 |
| 5 | 256QAM | 12 | 13 | 17.21 | 17.43 | 17.22 | 0.0111 | 0.0117 | 0.0111 |
| 5 | 256QAM | 25 | 0  | 17.33 | 17.38 | 17.26 | 0.0114 | 0.0116 | 0.0112 |

## 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                    | 22.50                       | 22.43                     | 0.0350 | 0.0351 | 0.0345 |
| 10              | QPSK       | 1       | 25        | 22.33                    | 22.43                       | 22.35                     | 0.0337 | 0.0345 | 0.0339 |
| 10              | QPSK       | 1       | 49        | 22.33                    | 22.42                       | 22.38                     | 0.0337 | 0.0344 | 0.0341 |
| 10              | QPSK       | 25      | 0         | 21.46                    | 21.53                       | 21.45                     | 0.0276 | 0.0281 | 0.0275 |
| 10              | QPSK       | 25      | 12        | 21.51                    | 21.49                       | 21.36                     | 0.0279 | 0.0278 | 0.0270 |
| 10              | QPSK       | 25      | 25        | 21.45                    | 21.43                       | 21.51                     | 0.0275 | 0.0274 | 0.0279 |
| 10              | QPSK       | 50      | 0         | 21.42                    | 21.50                       | 21.43                     | 0.0274 | 0.0279 | 0.0274 |
| 10              | 16QAM      | 1       | 0         | 21.36                    | 21.44                       | 21.47                     | 0.0270 | 0.0275 | 0.0277 |
| 10              | 16QAM      | 1       | 25        | 21.38                    | 21.54                       | 21.35                     | 0.0271 | 0.0281 | 0.0269 |
| 10              | 16QAM      | 1       | 49        | 21.41                    | 21.57                       | 21.40                     | 0.0273 | 0.0283 | 0.0272 |
| 10              | 16QAM      | 25      | 0         | 20.45                    | 20.56                       | 20.41                     | 0.0219 | 0.0224 | 0.0217 |
| 10              | 16QAM      | 25      | 12        | 20.42                    | 20.50                       | 20.59                     | 0.0217 | 0.0221 | 0.0226 |
| 10              | 16QAM      | 25      | 25        | 20.47                    | 20.45                       | 20.50                     | 0.0220 | 0.0219 | 0.0221 |
| 10              | 16QAM      | 50      | 0         | 20.51                    | 20.61                       | 20.62                     | 0.0222 | 0.0227 | 0.0228 |
| 10              | 64QAM      | 1       | 0         | 20.36                    | 20.56                       | 20.41                     | 0.0214 | 0.0224 | 0.0217 |
| 10              | 64QAM      | 1       | 25        | 20.29                    | 20.59                       | 20.44                     | 0.0211 | 0.0226 | 0.0218 |
| 10              | 64QAM      | 1       | 49        | 20.46                    | 20.38                       | 20.43                     | 0.0219 | 0.0215 | 0.0218 |
| 10              | 64QAM      | 25      | 0         | 19.25                    | 19.51                       | 19.54                     | 0.0166 | 0.0176 | 0.0177 |
| 10              | 64QAM      | 25      | 12        | 19.39                    | 19.50                       | 19.34                     | 0.0171 | 0.0176 | 0.0169 |
| 10              | 64QAM      | 25      | 25        | 19.51                    | 19.39                       | 19.37                     | 0.0176 | 0.0171 | 0.0171 |
| 10              | 64QAM      | 50      | 0         | 19.40                    | 19.62                       | 19.59                     | 0.0172 | 0.0181 | 0.0179 |
| 10              | 256QAM     | 1       | 0         | 17.33                    | 17.47                       | 17.54                     | 0.0107 | 0.0110 | 0.0112 |
| 10              | 256QAM     | 1       | 25        | 17.44                    | 17.45                       | 17.50                     | 0.0109 | 0.0110 | 0.0111 |
| 10              | 256QAM     | 1       | 49        | 17.49                    | 17.38                       | 17.50                     | 0.0111 | 0.0108 | 0.0111 |
| 10              | 256QAM     | 25      | 0         | 17.56                    | 17.62                       | 17.60                     | 0.0112 | 0.0114 | 0.0114 |
| 10              | 256QAM     | 25      | 12        | 17.33                    | 17.54                       | 17.53                     | 0.0107 | 0.0112 | 0.0112 |
| 10              | 256QAM     | 25      | 25        | 17.31                    | 17.43                       | 17.21                     | 0.0106 | 0.0109 | 0.0104 |
| 10              | 256QAM     | 50      | 0         | 17.37                    | 17.39                       | 17.31                     | 0.0108 | 0.0108 | 0.0106 |
| Channel         |            |         |           | 23755                    | 23790                       | 23825                     | ERP(W) |        |        |



| Frequency (MHz) |        |    |    | 706.5 | 710   | 713.5 | L      | M      | H      |
|-----------------|--------|----|----|-------|-------|-------|--------|--------|--------|
| 5               | QPSK   | 1  | 0  | 22.41 | 22.46 | 22.33 | 0.0344 | 0.0348 | 0.0337 |
| 5               | QPSK   | 1  | 12 | 22.25 | 22.35 | 22.31 | 0.0331 | 0.0339 | 0.0336 |
| 5               | QPSK   | 1  | 24 | 22.26 | 22.33 | 22.35 | 0.0332 | 0.0337 | 0.0339 |
| 5               | QPSK   | 12 | 0  | 21.42 | 21.41 | 21.44 | 0.0274 | 0.0273 | 0.0275 |
| 5               | QPSK   | 12 | 7  | 21.37 | 21.33 | 21.25 | 0.0270 | 0.0268 | 0.0263 |
| 5               | QPSK   | 12 | 13 | 21.40 | 21.38 | 21.43 | 0.0272 | 0.0271 | 0.0274 |
| 5               | QPSK   | 25 | 0  | 21.37 | 21.43 | 21.37 | 0.0270 | 0.0274 | 0.0270 |
| 5               | 16QAM  | 1  | 0  | 21.31 | 21.42 | 21.42 | 0.0267 | 0.0274 | 0.0274 |
| 5               | 16QAM  | 1  | 12 | 21.34 | 21.44 | 21.34 | 0.0269 | 0.0275 | 0.0269 |
| 5               | 16QAM  | 1  | 24 | 21.36 | 21.49 | 21.35 | 0.0270 | 0.0278 | 0.0269 |
| 5               | 16QAM  | 12 | 0  | 20.44 | 20.48 | 20.33 | 0.0218 | 0.0220 | 0.0213 |
| 5               | 16QAM  | 12 | 7  | 20.33 | 20.41 | 20.48 | 0.0213 | 0.0217 | 0.0220 |
| 5               | 16QAM  | 12 | 13 | 20.42 | 20.43 | 20.32 | 0.0217 | 0.0218 | 0.0212 |
| 5               | 16QAM  | 25 | 0  | 20.47 | 20.46 | 20.52 | 0.0220 | 0.0219 | 0.0222 |
| 5               | 64QAM  | 1  | 0  | 20.26 | 20.54 | 20.29 | 0.0209 | 0.0223 | 0.0211 |
| 5               | 64QAM  | 1  | 12 | 20.23 | 20.54 | 20.39 | 0.0208 | 0.0223 | 0.0216 |
| 5               | 64QAM  | 1  | 24 | 20.38 | 20.22 | 20.37 | 0.0215 | 0.0207 | 0.0215 |
| 5               | 64QAM  | 12 | 0  | 19.28 | 19.43 | 19.37 | 0.0167 | 0.0173 | 0.0171 |
| 5               | 64QAM  | 12 | 7  | 19.33 | 19.43 | 19.26 | 0.0169 | 0.0173 | 0.0166 |
| 5               | 64QAM  | 12 | 13 | 19.36 | 19.39 | 19.35 | 0.0170 | 0.0171 | 0.0170 |
| 5               | 64QAM  | 25 | 0  | 19.24 | 19.56 | 19.60 | 0.0166 | 0.0178 | 0.0180 |
| 5               | 256QAM | 1  | 0  | 17.23 | 17.49 | 17.48 | 0.0104 | 0.0111 | 0.0110 |
| 5               | 256QAM | 1  | 12 | 17.37 | 17.33 | 17.37 | 0.0108 | 0.0107 | 0.0108 |
| 5               | 256QAM | 1  | 24 | 17.40 | 17.25 | 17.45 | 0.0108 | 0.0105 | 0.0110 |
| 5               | 256QAM | 12 | 0  | 17.54 | 17.55 | 17.55 | 0.0112 | 0.0112 | 0.0112 |
| 5               | 256QAM | 12 | 7  | 17.25 | 17.48 | 17.50 | 0.0105 | 0.0110 | 0.0111 |
| 5               | 256QAM | 12 | 13 | 17.22 | 17.43 | 17.18 | 0.0104 | 0.0109 | 0.0103 |
| 5               | 256QAM | 25 | 0  | 17.25 | 17.38 | 17.30 | 0.0105 | 0.0108 | 0.0106 |

## LTE Band 26\_Ant1:

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | ERP(W)      |        |        |        |
|-----------------|------------|---------|-----------|-----------------------|-----------------------|--------------------------|------------------------|-------------|--------|--------|--------|
| Channel         |            |         |           | 26790                 | 26865                 | 26915                    | 26965                  |             |        |        |        |
| Frequency (MHz) |            |         |           | 824                   | 831.5                 | 836.5                    | 841.5                  | Straddle Ch | L      | M      | H      |
| 15              | QPSK       | 1       | 0         | 22.44                 | 22.44                 | 22.51                    | 22.45                  | 0.0379      | 0.0379 | 0.0385 | 0.0380 |
| 15              | QPSK       | 1       | 37        | 22.32                 | 22.32                 | 22.33                    | 22.44                  | 0.0369      | 0.0369 | 0.0370 | 0.0379 |
| 15              | QPSK       | 1       | 74        | 22.45                 | 22.45                 | 22.42                    | 22.29                  | 0.0380      | 0.0380 | 0.0378 | 0.0366 |
| 15              | QPSK       | 36      | 0         | 21.43                 | 21.43                 | 21.47                    | 21.38                  | 0.0301      | 0.0301 | 0.0303 | 0.0297 |
| 15              | QPSK       | 36      | 20        | 21.28                 | 21.28                 | 21.37                    | 21.16                  | 0.0290      | 0.0290 | 0.0296 | 0.0282 |
| 15              | QPSK       | 36      | 39        | 21.29                 | 21.29                 | 21.27                    | 21.22                  | 0.0291      | 0.0291 | 0.0290 | 0.0286 |
| 15              | QPSK       | 75      | 0         | 21.38                 | 21.38                 | 21.45                    | 21.36                  | 0.0297      | 0.0297 | 0.0302 | 0.0296 |
| 15              | 16QAM      | 1       | 0         | 21.69                 | 21.69                 | 21.86                    | 21.83                  | 0.0319      | 0.0319 | 0.0332 | 0.0330 |
| 15              | 16QAM      | 1       | 37        | 21.70                 | 21.70                 | 21.84                    | 21.58                  | 0.0320      | 0.0320 | 0.0330 | 0.0311 |
| 15              | 16QAM      | 1       | 74        | 21.76                 | 21.76                 | 21.82                    | 21.71                  | 0.0324      | 0.0324 | 0.0329 | 0.0321 |
| 15              | 16QAM      | 36      | 0         | 20.26                 | 20.26                 | 20.42                    | 20.18                  | 0.0230      | 0.0230 | 0.0238 | 0.0225 |
| 15              | 16QAM      | 36      | 20        | 20.25                 | 20.25                 | 20.32                    | 20.26                  | 0.0229      | 0.0229 | 0.0233 | 0.0230 |
| 15              | 16QAM      | 36      | 39        | 20.28                 | 20.28                 | 20.29                    | 20.33                  | 0.0231      | 0.0231 | 0.0231 | 0.0233 |



|                 |        |    |    |       |       |       |       |             |        |        |        |
|-----------------|--------|----|----|-------|-------|-------|-------|-------------|--------|--------|--------|
| 15              | 16QAM  | 75 | 0  | 20.29 | 20.29 | 20.34 | 20.26 | 0.0231      | 0.0231 | 0.0234 | 0.0230 |
| 15              | 64QAM  | 1  | 0  | 20.44 | 20.44 | 20.47 | 20.55 | 0.0239      | 0.0239 | 0.0241 | 0.0245 |
| 15              | 64QAM  | 1  | 37 | 20.46 | 20.46 | 20.52 | 20.54 | 0.0240      | 0.0240 | 0.0244 | 0.0245 |
| 15              | 64QAM  | 1  | 74 | 20.43 | 20.43 | 20.64 | 20.40 | 0.0239      | 0.0239 | 0.0251 | 0.0237 |
| 15              | 64QAM  | 36 | 0  | 19.42 | 19.42 | 19.36 | 19.19 | 0.0189      | 0.0189 | 0.0187 | 0.0179 |
| 15              | 64QAM  | 36 | 20 | 19.26 | 19.26 | 19.28 | 19.35 | 0.0182      | 0.0182 | 0.0183 | 0.0186 |
| 15              | 64QAM  | 36 | 39 | 19.29 | 19.29 | 19.34 | 19.27 | 0.0184      | 0.0184 | 0.0186 | 0.0183 |
| 15              | 64QAM  | 75 | 0  | 19.23 | 19.23 | 19.33 | 19.30 | 0.0181      | 0.0181 | 0.0185 | 0.0184 |
| 15              | 256QAM | 1  | 0  | 17.35 | 17.35 | 17.54 | 17.28 | 0.0117      | 0.0117 | 0.0123 | 0.0116 |
| 15              | 256QAM | 1  | 37 | 17.25 | 17.25 | 17.43 | 17.42 | 0.0115      | 0.0115 | 0.0120 | 0.0119 |
| 15              | 256QAM | 1  | 74 | 17.38 | 17.38 | 17.48 | 17.22 | 0.0118      | 0.0118 | 0.0121 | 0.0114 |
| 15              | 256QAM | 36 | 0  | 17.33 | 17.33 | 17.40 | 17.26 | 0.0117      | 0.0117 | 0.0119 | 0.0115 |
| 15              | 256QAM | 36 | 20 | 17.16 | 17.16 | 17.30 | 17.04 | 0.0112      | 0.0112 | 0.0116 | 0.0109 |
| 15              | 256QAM | 36 | 39 | 17.16 | 17.16 | 17.38 | 17.19 | 0.0112      | 0.0112 | 0.0118 | 0.0113 |
| 15              | 256QAM | 75 | 0  | 17.14 | 17.14 | 17.16 | 17.23 | 0.0112      | 0.0112 | 0.0112 | 0.0114 |
| Channel         |        |    |    | 26790 | 26840 | 26915 | 26990 | ERP(W)      |        |        |        |
| Frequency (MHz) |        |    |    | 824   | 829   | 836.5 | 844   | Straddle Ch | L      | M      | H      |
| 10              | QPSK   | 1  | 0  | -     | 22.28 | 22.38 | 22.27 | -           | 0.0366 | 0.0374 | 0.0365 |
| 10              | QPSK   | 1  | 25 | -     | 22.31 | 22.33 | 22.32 | -           | 0.0368 | 0.0370 | 0.0369 |
| 10              | QPSK   | 1  | 49 | -     | 22.27 | 22.39 | 22.29 | -           | 0.0365 | 0.0375 | 0.0366 |
| 10              | QPSK   | 25 | 0  | -     | 21.20 | 21.31 | 21.23 | -           | 0.0285 | 0.0292 | 0.0287 |
| 10              | QPSK   | 25 | 12 | -     | 21.19 | 21.23 | 21.10 | -           | 0.0284 | 0.0287 | 0.0279 |
| 10              | QPSK   | 25 | 25 | -     | 21.19 | 21.14 | 21.20 | -           | 0.0284 | 0.0281 | 0.0285 |
| 10              | QPSK   | 50 | 0  | -     | 21.29 | 21.27 | 21.20 | -           | 0.0291 | 0.0290 | 0.0285 |
| 10              | 16QAM  | 1  | 0  | -     | 21.54 | 21.69 | 21.67 | -           | 0.0308 | 0.0319 | 0.0318 |
| 10              | 16QAM  | 1  | 25 | -     | 21.64 | 21.71 | 21.56 | -           | 0.0316 | 0.0321 | 0.0310 |
| 10              | 16QAM  | 1  | 49 | -     | 21.63 | 21.78 | 21.58 | -           | 0.0315 | 0.0326 | 0.0311 |
| 10              | 16QAM  | 25 | 0  | -     | 20.17 | 20.25 | 20.18 | -           | 0.0225 | 0.0229 | 0.0225 |
| 10              | 16QAM  | 25 | 12 | -     | 20.13 | 20.20 | 20.22 | -           | 0.0223 | 0.0226 | 0.0228 |
| 10              | 16QAM  | 25 | 25 | -     | 20.18 | 20.24 | 20.16 | -           | 0.0225 | 0.0229 | 0.0224 |
| 10              | 16QAM  | 50 | 0  | -     | 20.25 | 20.24 | 20.20 | -           | 0.0229 | 0.0229 | 0.0226 |
| 10              | 64QAM  | 1  | 0  | -     | 20.31 | 20.44 | 20.38 | -           | 0.0232 | 0.0239 | 0.0236 |
| 10              | 64QAM  | 1  | 25 | -     | 20.33 | 20.48 | 20.42 | -           | 0.0233 | 0.0242 | 0.0238 |
| 10              | 64QAM  | 1  | 49 | -     | 20.33 | 20.50 | 20.39 | -           | 0.0233 | 0.0243 | 0.0237 |
| 10              | 64QAM  | 25 | 0  | -     | 19.22 | 19.22 | 19.13 | -           | 0.0181 | 0.0181 | 0.0177 |
| 10              | 64QAM  | 25 | 12 | -     | 19.27 | 19.23 | 19.27 | -           | 0.0183 | 0.0181 | 0.0183 |
| 10              | 64QAM  | 25 | 25 | -     | 19.20 | 19.28 | 19.16 | -           | 0.0180 | 0.0183 | 0.0178 |
| 10              | 64QAM  | 50 | 0  | -     | 19.18 | 19.21 | 19.16 | -           | 0.0179 | 0.0180 | 0.0178 |
| 10              | 256QAM | 1  | 0  | -     | 17.21 | 17.42 | 17.23 | -           | 0.0114 | 0.0119 | 0.0114 |
| 10              | 256QAM | 1  | 25 | -     | 17.32 | 17.41 | 17.38 | -           | 0.0117 | 0.0119 | 0.0118 |
| 10              | 256QAM | 1  | 49 | -     | 17.26 | 17.41 | 17.23 | -           | 0.0115 | 0.0119 | 0.0114 |
| 10              | 256QAM | 25 | 0  | -     | 17.14 | 17.28 | 17.09 | -           | 0.0112 | 0.0116 | 0.0111 |
| 10              | 256QAM | 25 | 12 | -     | 17.11 | 17.27 | 17.02 | -           | 0.0111 | 0.0115 | 0.0109 |
| 10              | 256QAM | 25 | 25 | -     | 17.07 | 17.18 | 17.16 | -           | 0.0110 | 0.0113 | 0.0112 |
| 10              | 256QAM | 50 | 0  | -     | 17.03 | 17.14 | 17.02 | -           | 0.0109 | 0.0112 | 0.0109 |
| Channel         |        |    |    | 26790 | 26815 | 26915 | 27015 | ERP(W)      |        |        |        |
| Frequency (MHz) |        |    |    | 824   | 826.5 | 836.5 | 846.5 | Straddle Ch | L      | M      | H      |
| 5               | QPSK   | 1  | 0  | -     | 22.26 | 22.43 | 22.28 | -           | 0.0364 | 0.0378 | 0.0366 |
| 5               | QPSK   | 1  | 12 | -     | 22.27 | 22.35 | 22.37 | -           | 0.0365 | 0.0372 | 0.0373 |



|                 |        |    |    |       |       |       |       |             |        |        |        |
|-----------------|--------|----|----|-------|-------|-------|-------|-------------|--------|--------|--------|
| 5               | QPSK   | 1  | 24 | -     | 22.27 | 22.32 | 22.27 | -           | 0.0365 | 0.0369 | 0.0365 |
| 5               | QPSK   | 12 | 0  | -     | 21.23 | 21.38 | 21.26 | -           | 0.0287 | 0.0297 | 0.0289 |
| 5               | QPSK   | 12 | 7  | -     | 21.14 | 21.25 | 21.12 | -           | 0.0281 | 0.0288 | 0.0280 |
| 5               | QPSK   | 12 | 13 | -     | 21.22 | 21.24 | 21.17 | -           | 0.0286 | 0.0288 | 0.0283 |
| 5               | QPSK   | 25 | 0  | -     | 21.22 | 21.32 | 21.21 | -           | 0.0286 | 0.0293 | 0.0286 |
| 5               | 16QAM  | 1  | 0  | -     | 21.63 | 21.76 | 21.73 | -           | 0.0315 | 0.0324 | 0.0322 |
| 5               | 16QAM  | 1  | 12 | -     | 21.64 | 21.64 | 21.57 | -           | 0.0316 | 0.0316 | 0.0310 |
| 5               | 16QAM  | 1  | 24 | -     | 21.67 | 21.71 | 21.62 | -           | 0.0318 | 0.0321 | 0.0314 |
| 5               | 16QAM  | 12 | 0  | -     | 20.19 | 20.31 | 20.18 | -           | 0.0226 | 0.0232 | 0.0225 |
| 5               | 16QAM  | 12 | 7  | -     | 20.10 | 20.26 | 20.18 | -           | 0.0221 | 0.0230 | 0.0225 |
| 5               | 16QAM  | 12 | 13 | -     | 20.12 | 20.24 | 20.20 | -           | 0.0222 | 0.0229 | 0.0226 |
| 5               | 16QAM  | 25 | 0  | -     | 20.27 | 20.25 | 20.24 | -           | 0.0230 | 0.0229 | 0.0229 |
| 5               | 64QAM  | 1  | 0  | -     | 20.38 | 20.48 | 20.41 | -           | 0.0236 | 0.0242 | 0.0238 |
| 5               | 64QAM  | 1  | 12 | -     | 20.33 | 20.45 | 20.44 | -           | 0.0233 | 0.0240 | 0.0239 |
| 5               | 64QAM  | 1  | 24 | -     | 20.28 | 20.41 | 20.43 | -           | 0.0231 | 0.0238 | 0.0239 |
| 5               | 64QAM  | 12 | 0  | -     | 19.31 | 19.26 | 19.17 | -           | 0.0185 | 0.0182 | 0.0179 |
| 5               | 64QAM  | 12 | 7  | -     | 19.21 | 19.26 | 19.26 | -           | 0.0180 | 0.0182 | 0.0182 |
| 5               | 64QAM  | 12 | 13 | -     | 19.09 | 19.23 | 19.21 | -           | 0.0175 | 0.0181 | 0.0180 |
| 5               | 64QAM  | 25 | 0  | -     | 19.20 | 19.20 | 19.12 | -           | 0.0180 | 0.0180 | 0.0177 |
| 5               | 256QAM | 1  | 0  | -     | 17.20 | 17.46 | 17.19 | -           | 0.0114 | 0.0121 | 0.0113 |
| 5               | 256QAM | 1  | 12 | -     | 17.22 | 17.37 | 17.39 | -           | 0.0114 | 0.0118 | 0.0119 |
| 5               | 256QAM | 1  | 24 | -     | 17.23 | 17.42 | 17.26 | -           | 0.0114 | 0.0119 | 0.0115 |
| 5               | 256QAM | 12 | 0  | -     | 17.19 | 17.24 | 17.11 | -           | 0.0113 | 0.0115 | 0.0111 |
| 5               | 256QAM | 12 | 7  | -     | 17.09 | 17.18 | 17.05 | -           | 0.0111 | 0.0113 | 0.0110 |
| 5               | 256QAM | 12 | 13 | -     | 17.11 | 17.29 | 17.13 | -           | 0.0111 | 0.0116 | 0.0112 |
| 5               | 256QAM | 25 | 0  | -     | 17.03 | 17.15 | 17.03 | -           | 0.0109 | 0.0112 | 0.0109 |
| Channel         |        |    |    | 26790 | 26815 | 26915 | 27025 | ERP(W)      |        |        |        |
| Frequency (MHz) |        |    |    | 824   | 825.5 | 836.5 | 847.5 | Straddle Ch | L      | M      | H      |
| 3               | QPSK   | 1  | 0  | -     | 22.30 | 22.37 | 22.33 | -           | 0.0367 | 0.0373 | 0.0370 |
| 3               | QPSK   | 1  | 8  | -     | 22.21 | 22.37 | 22.32 | -           | 0.0360 | 0.0373 | 0.0369 |
| 3               | QPSK   | 1  | 14 | -     | 22.31 | 22.39 | 22.31 | -           | 0.0368 | 0.0375 | 0.0368 |
| 3               | QPSK   | 8  | 0  | -     | 21.22 | 21.28 | 21.22 | -           | 0.0286 | 0.0290 | 0.0286 |
| 3               | QPSK   | 8  | 4  | -     | 21.16 | 21.22 | 21.12 | -           | 0.0282 | 0.0286 | 0.0280 |
| 3               | QPSK   | 8  | 7  | -     | 21.19 | 21.21 | 21.18 | -           | 0.0284 | 0.0286 | 0.0284 |
| 3               | QPSK   | 15 | 0  | -     | 21.19 | 21.27 | 21.22 | -           | 0.0284 | 0.0290 | 0.0286 |
| 3               | 16QAM  | 1  | 0  | -     | 21.59 | 21.72 | 21.72 | -           | 0.0312 | 0.0321 | 0.0321 |
| 3               | 16QAM  | 1  | 8  | -     | 21.54 | 21.71 | 21.59 | -           | 0.0308 | 0.0321 | 0.0312 |
| 3               | 16QAM  | 1  | 14 | -     | 21.67 | 21.71 | 21.63 | -           | 0.0318 | 0.0321 | 0.0315 |
| 3               | 16QAM  | 8  | 0  | -     | 20.19 | 20.20 | 20.08 | -           | 0.0226 | 0.0226 | 0.0220 |
| 3               | 16QAM  | 8  | 4  | -     | 20.14 | 20.29 | 20.22 | -           | 0.0223 | 0.0231 | 0.0228 |
| 3               | 16QAM  | 8  | 7  | -     | 20.10 | 20.22 | 20.14 | -           | 0.0221 | 0.0228 | 0.0223 |
| 3               | 16QAM  | 15 | 0  | -     | 20.18 | 20.31 | 20.24 | -           | 0.0225 | 0.0232 | 0.0229 |
| 3               | 64QAM  | 1  | 0  | -     | 20.29 | 20.44 | 20.34 | -           | 0.0231 | 0.0239 | 0.0234 |
| 3               | 64QAM  | 1  | 8  | -     | 20.24 | 20.52 | 20.37 | -           | 0.0229 | 0.0244 | 0.0236 |
| 3               | 64QAM  | 1  | 14 | -     | 20.36 | 20.41 | 20.41 | -           | 0.0235 | 0.0238 | 0.0238 |
| 3               | 64QAM  | 8  | 0  | -     | 19.26 | 19.27 | 19.19 | -           | 0.0182 | 0.0183 | 0.0179 |
| 3               | 64QAM  | 8  | 4  | -     | 19.23 | 19.21 | 19.28 | -           | 0.0181 | 0.0180 | 0.0183 |
| 3               | 64QAM  | 8  | 7  | -     | 19.20 | 19.28 | 19.15 | -           | 0.0180 | 0.0183 | 0.0178 |
| 3               | 64QAM  | 15 | 0  | -     | 19.19 | 19.18 | 19.18 | -           | 0.0179 | 0.0179 | 0.0179 |



|                 |        |    |    |       |       |       |       |             |        |        |        |
|-----------------|--------|----|----|-------|-------|-------|-------|-------------|--------|--------|--------|
| 3               | 256QAM | 1  | 0  | -     | 17.21 | 17.42 | 17.17 | -           | 0.0114 | 0.0119 | 0.0113 |
| 3               | 256QAM | 1  | 8  | -     | 17.24 | 17.42 | 17.41 | -           | 0.0115 | 0.0119 | 0.0119 |
| 3               | 256QAM | 1  | 14 | -     | 17.30 | 17.41 | 17.22 | -           | 0.0116 | 0.0119 | 0.0114 |
| 3               | 256QAM | 8  | 0  | -     | 17.15 | 17.21 | 17.15 | -           | 0.0112 | 0.0114 | 0.0112 |
| 3               | 256QAM | 8  | 4  | -     | 17.03 | 17.25 | 17.03 | -           | 0.0109 | 0.0115 | 0.0109 |
| 3               | 256QAM | 8  | 7  | -     | 17.09 | 17.18 | 17.15 | -           | 0.0111 | 0.0113 | 0.0112 |
| 3               | 256QAM | 15 | 0  | -     | 17.01 | 17.12 | 17.01 | -           | 0.0109 | 0.0111 | 0.0109 |
| Channel         |        |    |    | 26790 | 26797 | 26915 | 27033 | ERP(W)      |        |        |        |
| Frequency (MHz) |        |    |    | 824   | 824.7 | 836.5 | 848.3 | Straddle Ch | L      | M      | H      |
| 1.4             | QPSK   | 1  | 0  | -     | 22.30 | 22.29 | 22.35 | -           | 0.0367 | 0.0366 | 0.0372 |
| 1.4             | QPSK   | 1  | 3  | -     | 22.13 | 22.37 | 22.40 | -           | 0.0353 | 0.0373 | 0.0376 |
| 1.4             | QPSK   | 1  | 5  | -     | 22.20 | 22.31 | 22.27 | -           | 0.0359 | 0.0368 | 0.0365 |
| 1.4             | QPSK   | 3  | 0  | -     | 22.26 | 22.41 | 22.26 | -           | 0.0364 | 0.0377 | 0.0364 |
| 1.4             | QPSK   | 3  | 1  | -     | 22.17 | 22.37 | 22.32 | -           | 0.0356 | 0.0373 | 0.0369 |
| 1.4             | QPSK   | 3  | 3  | -     | 22.39 | 22.37 | 22.42 | -           | 0.0375 | 0.0373 | 0.0378 |
| 1.4             | QPSK   | 6  | 0  | -     | 21.14 | 21.28 | 21.17 | -           | 0.0281 | 0.0290 | 0.0283 |
| 1.4             | 16QAM  | 1  | 0  | -     | 21.29 | 21.33 | 21.17 | -           | 0.0291 | 0.0294 | 0.0283 |
| 1.4             | 16QAM  | 1  | 3  | -     | 21.24 | 21.30 | 21.19 | -           | 0.0288 | 0.0292 | 0.0284 |
| 1.4             | 16QAM  | 1  | 5  | -     | 21.21 | 21.29 | 21.17 | -           | 0.0286 | 0.0291 | 0.0283 |
| 1.4             | 16QAM  | 3  | 0  | -     | 21.47 | 21.66 | 21.68 | -           | 0.0303 | 0.0317 | 0.0318 |
| 1.4             | 16QAM  | 3  | 1  | -     | 21.62 | 21.69 | 21.69 | -           | 0.0314 | 0.0319 | 0.0319 |
| 1.4             | 16QAM  | 3  | 3  | -     | 21.76 | 21.62 | 21.55 | -           | 0.0324 | 0.0314 | 0.0309 |
| 1.4             | 16QAM  | 6  | 0  | -     | 20.16 | 20.22 | 20.19 | -           | 0.0224 | 0.0228 | 0.0226 |
| 1.4             | 64QAM  | 1  | 0  | -     | 20.16 | 20.33 | 20.16 | -           | 0.0224 | 0.0233 | 0.0224 |
| 1.4             | 64QAM  | 1  | 3  | -     | 20.13 | 20.17 | 20.14 | -           | 0.0223 | 0.0225 | 0.0223 |
| 1.4             | 64QAM  | 1  | 5  | -     | 20.22 | 20.19 | 20.18 | -           | 0.0228 | 0.0226 | 0.0225 |
| 1.4             | 64QAM  | 3  | 0  | -     | 20.25 | 20.35 | 20.21 | -           | 0.0229 | 0.0234 | 0.0227 |
| 1.4             | 64QAM  | 3  | 1  | -     | 20.08 | 20.30 | 20.20 | -           | 0.0220 | 0.0232 | 0.0226 |
| 1.4             | 64QAM  | 3  | 3  | -     | 20.22 | 20.31 | 20.22 | -           | 0.0228 | 0.0232 | 0.0228 |
| 1.4             | 64QAM  | 6  | 0  | -     | 19.24 | 19.29 | 19.38 | -           | 0.0182 | 0.0184 | 0.0187 |
| 1.4             | 256QAM | 1  | 0  | -     | 17.18 | 17.38 | 17.10 | -           | 0.0113 | 0.0118 | 0.0111 |
| 1.4             | 256QAM | 1  | 3  | -     | 17.24 | 17.40 | 17.33 | -           | 0.0115 | 0.0119 | 0.0117 |
| 1.4             | 256QAM | 1  | 5  | -     | 17.27 | 17.34 | 17.20 | -           | 0.0115 | 0.0117 | 0.0114 |
| 1.4             | 256QAM | 3  | 0  | -     | 17.08 | 17.15 | 17.21 | -           | 0.0110 | 0.0112 | 0.0114 |
| 1.4             | 256QAM | 3  | 1  | -     | 17.04 | 17.17 | 17.09 | -           | 0.0109 | 0.0113 | 0.0111 |
| 1.4             | 256QAM | 3  | 3  | -     | 17.06 | 17.17 | 17.04 | -           | 0.0110 | 0.0113 | 0.0109 |
| 1.4             | 256QAM | 6  | 0  | -     | 17.05 | 17.06 | 17.01 | -           | 0.0110 | 0.0110 | 0.0109 |



## LTE Band 66\_Ant2:

| 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         |            |         |           | 132072                   | 132322                      | 132572                    |         |        |        |
| Frequency (MHz) |            |         |           | 1720                     | 1745                        | 1770                      | L       | M      | H      |
| 20              | QPSK       | 1       | 0         | 22.35                    | 22.48                       | 22.41                     | 0.1035  | 0.1067 | 0.1050 |
| 20              | QPSK       | 1       | 49        | 22.43                    | 22.47                       | 22.43                     | 0.1054  | 0.1064 | 0.1054 |
| 20              | QPSK       | 1       | 99        | 22.36                    | 22.43                       | 22.40                     | 0.1038  | 0.1054 | 0.1047 |
| 20              | QPSK       | 50      | 0         | 21.34                    | 21.44                       | 21.31                     | 0.0820  | 0.0839 | 0.0815 |
| 20              | QPSK       | 50      | 24        | 21.29                    | 21.29                       | 21.30                     | 0.0811  | 0.0811 | 0.0813 |
| 20              | QPSK       | 50      | 50        | 21.28                    | 21.34                       | 21.29                     | 0.0809  | 0.0820 | 0.0811 |
| 20              | QPSK       | 100     | 0         | 21.35                    | 21.40                       | 21.34                     | 0.0822  | 0.0832 | 0.0820 |
| 20              | 16QAM      | 1       | 0         | 21.59                    | 21.75                       | 21.68                     | 0.0869  | 0.0902 | 0.0887 |
| 20              | 16QAM      | 1       | 49        | 21.65                    | 21.75                       | 21.63                     | 0.0881  | 0.0902 | 0.0877 |
| 20              | 16QAM      | 1       | 99        | 21.72                    | 21.71                       | 21.66                     | 0.0895  | 0.0893 | 0.0883 |
| 20              | 16QAM      | 50      | 0         | 20.28                    | 20.46                       | 20.32                     | 0.0643  | 0.0670 | 0.0649 |
| 20              | 16QAM      | 50      | 24        | 20.36                    | 20.29                       | 20.28                     | 0.0655  | 0.0644 | 0.0643 |
| 20              | 16QAM      | 50      | 50        | 20.29                    | 20.30                       | 20.26                     | 0.0644  | 0.0646 | 0.0640 |
| 20              | 16QAM      | 100     | 0         | 20.34                    | 20.41                       | 20.32                     | 0.0652  | 0.0662 | 0.0649 |
| 20              | 64QAM      | 1       | 0         | 20.50                    | 20.58                       | 20.42                     | 0.0676  | 0.0689 | 0.0664 |
| 20              | 64QAM      | 1       | 49        | 20.48                    | 20.45                       | 20.43                     | 0.0673  | 0.0668 | 0.0665 |
| 20              | 64QAM      | 1       | 99        | 20.36                    | 20.64                       | 20.51                     | 0.0655  | 0.0698 | 0.0678 |
| 20              | 64QAM      | 50      | 0         | 19.44                    | 19.30                       | 19.27                     | 0.0530  | 0.0513 | 0.0509 |
| 20              | 64QAM      | 50      | 24        | 19.27                    | 19.42                       | 19.41                     | 0.0509  | 0.0527 | 0.0526 |
| 20              | 64QAM      | 50      | 50        | 19.25                    | 19.37                       | 19.35                     | 0.0507  | 0.0521 | 0.0519 |
| 20              | 64QAM      | 100     | 0         | 19.31                    | 19.26                       | 19.40                     | 0.0514  | 0.0508 | 0.0525 |
| 20              | 256QAM     | 1       | 0         | 17.40                    | 17.48                       | 17.46                     | 0.0331  | 0.0337 | 0.0336 |
| 20              | 256QAM     | 1       | 49        | 17.40                    | 17.51                       | 17.48                     | 0.0331  | 0.0340 | 0.0337 |
| 20              | 256QAM     | 1       | 99        | 17.41                    | 17.39                       | 17.45                     | 0.0332  | 0.0330 | 0.0335 |
| 20              | 256QAM     | 50      | 0         | 17.47                    | 17.45                       | 17.39                     | 0.0337  | 0.0335 | 0.0330 |
| 20              | 256QAM     | 50      | 24        | 17.44                    | 17.42                       | 17.41                     | 0.0334  | 0.0333 | 0.0332 |
| 20              | 256QAM     | 50      | 50        | 17.43                    | 17.40                       | 17.40                     | 0.0333  | 0.0331 | 0.0331 |
| 20              | 256QAM     | 100     | 0         | 17.42                    | 17.42                       | 17.35                     | 0.0333  | 0.0333 | 0.0327 |
| Channel         |            |         |           | 132047                   | 132322                      | 132597                    | EIRP(W) |        |        |
| Frequency (MHz) |            |         |           | 1717.5                   | 1745                        | 1772.5                    | L       | M      | H      |
| 15              | QPSK       | 1       | 0         | 22.39                    | 22.37                       | 22.29                     | 0.1045  | 0.1040 | 0.1021 |
| 15              | QPSK       | 1       | 37        | 22.31                    | 22.42                       | 22.32                     | 0.1026  | 0.1052 | 0.1028 |
| 15              | QPSK       | 1       | 74        | 22.32                    | 22.38                       | 22.33                     | 0.1028  | 0.1042 | 0.1030 |
| 15              | QPSK       | 36      | 0         | 21.24                    | 21.31                       | 21.29                     | 0.0802  | 0.0815 | 0.0811 |
| 15              | QPSK       | 36      | 20        | 21.22                    | 21.27                       | 21.21                     | 0.0798  | 0.0807 | 0.0796 |
| 15              | QPSK       | 36      | 39        | 21.32                    | 21.29                       | 21.27                     | 0.0817  | 0.0811 | 0.0807 |
| 15              | QPSK       | 75      | 0         | 21.23                    | 21.24                       | 21.31                     | 0.0800  | 0.0802 | 0.0815 |
| 15              | 16QAM      | 1       | 0         | 21.55                    | 21.70                       | 21.64                     | 0.0861  | 0.0891 | 0.0879 |
| 15              | 16QAM      | 1       | 37        | 21.63                    | 21.77                       | 21.63                     | 0.0877  | 0.0906 | 0.0877 |
| 15              | 16QAM      | 1       | 74        | 21.66                    | 21.74                       | 21.62                     | 0.0883  | 0.0899 | 0.0875 |
| 15              | 16QAM      | 36      | 0         | 20.15                    | 20.35                       | 20.28                     | 0.0624  | 0.0653 | 0.0643 |
| 15              | 16QAM      | 36      | 20        | 20.26                    | 20.29                       | 20.22                     | 0.0640  | 0.0644 | 0.0634 |
| 15              | 16QAM      | 36      | 39        | 20.29                    | 20.24                       | 20.21                     | 0.0644  | 0.0637 | 0.0632 |
| 15              | 16QAM      | 75      | 0         | 20.25                    | 20.28                       | 20.29                     | 0.0638  | 0.0643 | 0.0644 |



|                 |        |    |    |        |        |        |         |        |        |
|-----------------|--------|----|----|--------|--------|--------|---------|--------|--------|
| 15              | 64QAM  | 1  | 0  | 20.42  | 20.52  | 20.41  | 0.0664  | 0.0679 | 0.0662 |
| 15              | 64QAM  | 1  | 37 | 20.42  | 20.42  | 20.43  | 0.0664  | 0.0664 | 0.0665 |
| 15              | 64QAM  | 1  | 74 | 20.35  | 20.46  | 20.53  | 0.0653  | 0.0670 | 0.0681 |
| 15              | 64QAM  | 36 | 0  | 19.39  | 19.22  | 19.28  | 0.0524  | 0.0504 | 0.0511 |
| 15              | 64QAM  | 36 | 20 | 19.30  | 19.35  | 19.31  | 0.0513  | 0.0519 | 0.0514 |
| 15              | 64QAM  | 36 | 39 | 19.30  | 19.33  | 19.30  | 0.0513  | 0.0516 | 0.0513 |
| 15              | 64QAM  | 75 | 0  | 19.26  | 19.23  | 19.36  | 0.0508  | 0.0505 | 0.0520 |
| 15              | 256QAM | 1  | 0  | 17.41  | 17.46  | 17.36  | 0.0332  | 0.0336 | 0.0328 |
| 15              | 256QAM | 1  | 37 | 17.31  | 17.47  | 17.34  | 0.0324  | 0.0337 | 0.0327 |
| 15              | 256QAM | 1  | 74 | 17.37  | 17.37  | 17.35  | 0.0329  | 0.0329 | 0.0327 |
| 15              | 256QAM | 36 | 0  | 17.33  | 17.39  | 17.29  | 0.0326  | 0.0330 | 0.0323 |
| 15              | 256QAM | 36 | 20 | 17.40  | 17.36  | 17.36  | 0.0331  | 0.0328 | 0.0328 |
| 15              | 256QAM | 36 | 39 | 17.41  | 17.40  | 17.35  | 0.0332  | 0.0331 | 0.0327 |
| 15              | 256QAM | 75 | 0  | 17.37  | 17.35  | 17.36  | 0.0329  | 0.0327 | 0.0328 |
| Channel         |        |    |    | 132022 | 132322 | 132622 | EIRP(W) |        |        |
| Frequency (MHz) |        |    |    | 1715   | 1745   | 1775   | L       | M      | H      |
| 10              | QPSK   | 1  | 0  | 22.34  | 22.40  | 22.35  | 0.1033  | 0.1047 | 0.1035 |
| 10              | QPSK   | 1  | 25 | 22.30  | 22.37  | 22.37  | 0.1023  | 0.1040 | 0.1040 |
| 10              | QPSK   | 1  | 49 | 22.36  | 22.37  | 22.38  | 0.1038  | 0.1040 | 0.1042 |
| 10              | QPSK   | 25 | 0  | 21.29  | 21.36  | 21.25  | 0.0811  | 0.0824 | 0.0804 |
| 10              | QPSK   | 25 | 12 | 21.33  | 21.33  | 21.28  | 0.0818  | 0.0818 | 0.0809 |
| 10              | QPSK   | 25 | 25 | 21.25  | 21.32  | 21.22  | 0.0804  | 0.0817 | 0.0798 |
| 10              | QPSK   | 50 | 0  | 21.24  | 21.30  | 21.23  | 0.0802  | 0.0813 | 0.0800 |
| 10              | 16QAM  | 1  | 0  | 21.57  | 21.68  | 21.63  | 0.0865  | 0.0887 | 0.0877 |
| 10              | 16QAM  | 1  | 25 | 21.57  | 21.77  | 21.59  | 0.0865  | 0.0906 | 0.0869 |
| 10              | 16QAM  | 1  | 49 | 21.64  | 21.75  | 21.58  | 0.0879  | 0.0902 | 0.0867 |
| 10              | 16QAM  | 25 | 0  | 20.16  | 20.37  | 20.28  | 0.0625  | 0.0656 | 0.0643 |
| 10              | 16QAM  | 25 | 12 | 20.30  | 20.23  | 20.27  | 0.0646  | 0.0635 | 0.0641 |
| 10              | 16QAM  | 25 | 25 | 20.22  | 20.32  | 20.22  | 0.0634  | 0.0649 | 0.0634 |
| 10              | 16QAM  | 50 | 0  | 20.26  | 20.34  | 20.22  | 0.0640  | 0.0652 | 0.0634 |
| 10              | 64QAM  | 1  | 0  | 20.41  | 20.43  | 20.36  | 0.0662  | 0.0665 | 0.0655 |
| 10              | 64QAM  | 1  | 25 | 20.42  | 20.47  | 20.44  | 0.0664  | 0.0671 | 0.0667 |
| 10              | 64QAM  | 1  | 49 | 20.38  | 20.48  | 20.49  | 0.0658  | 0.0673 | 0.0675 |
| 10              | 64QAM  | 25 | 0  | 19.35  | 19.31  | 19.20  | 0.0519  | 0.0514 | 0.0501 |
| 10              | 64QAM  | 25 | 12 | 19.19  | 19.36  | 19.37  | 0.0500  | 0.0520 | 0.0521 |
| 10              | 64QAM  | 25 | 25 | 19.21  | 19.29  | 19.25  | 0.0502  | 0.0512 | 0.0507 |
| 10              | 64QAM  | 50 | 0  | 19.26  | 19.24  | 19.37  | 0.0508  | 0.0506 | 0.0521 |
| 10              | 256QAM | 1  | 0  | 17.30  | 17.45  | 17.37  | 0.0324  | 0.0335 | 0.0329 |
| 10              | 256QAM | 1  | 25 | 17.37  | 17.39  | 17.38  | 0.0329  | 0.0330 | 0.0330 |
| 10              | 256QAM | 1  | 49 | 17.30  | 17.42  | 17.38  | 0.0324  | 0.0333 | 0.0330 |
| 10              | 256QAM | 25 | 0  | 17.40  | 17.38  | 17.33  | 0.0331  | 0.0330 | 0.0326 |
| 10              | 256QAM | 25 | 12 | 17.30  | 17.37  | 17.31  | 0.0324  | 0.0329 | 0.0324 |
| 10              | 256QAM | 25 | 25 | 17.36  | 17.41  | 17.35  | 0.0328  | 0.0332 | 0.0327 |
| 10              | 256QAM | 50 | 0  | 17.40  | 17.40  | 17.34  | 0.0331  | 0.0331 | 0.0327 |
| Channel         |        |    |    | 131997 | 132322 | 132647 | EIRP(W) |        |        |
| Frequency (MHz) |        |    |    | 1712.5 | 1745   | 1777.5 | L       | M      | H      |
| 5               | QPSK   | 1  | 0  | 22.36  | 22.40  | 22.29  | 0.1038  | 0.1047 | 0.1021 |
| 5               | QPSK   | 1  | 12 | 22.27  | 22.35  | 22.35  | 0.1016  | 0.1035 | 0.1035 |
| 5               | QPSK   | 1  | 24 | 22.34  | 22.38  | 22.32  | 0.1033  | 0.1042 | 0.1028 |
| 5               | QPSK   | 12 | 0  | 21.28  | 21.36  | 21.21  | 0.0809  | 0.0824 | 0.0796 |



|                 |        |    |    |        |        |        |         |        |        |
|-----------------|--------|----|----|--------|--------|--------|---------|--------|--------|
| 5               | QPSK   | 12 | 7  | 21.31  | 21.33  | 21.17  | 0.0815  | 0.0818 | 0.0789 |
| 5               | QPSK   | 12 | 13 | 21.24  | 21.35  | 21.32  | 0.0802  | 0.0822 | 0.0817 |
| 5               | QPSK   | 25 | 0  | 21.24  | 21.29  | 21.19  | 0.0802  | 0.0811 | 0.0793 |
| 5               | 16QAM  | 1  | 0  | 21.54  | 21.67  | 21.72  | 0.0859  | 0.0885 | 0.0895 |
| 5               | 16QAM  | 1  | 12 | 21.64  | 21.71  | 21.67  | 0.0879  | 0.0893 | 0.0885 |
| 5               | 16QAM  | 1  | 24 | 21.68  | 21.76  | 21.60  | 0.0887  | 0.0904 | 0.0871 |
| 5               | 16QAM  | 12 | 0  | 20.27  | 20.35  | 20.31  | 0.0641  | 0.0653 | 0.0647 |
| 5               | 16QAM  | 12 | 7  | 20.22  | 20.29  | 20.21  | 0.0634  | 0.0644 | 0.0632 |
| 5               | 16QAM  | 12 | 13 | 20.29  | 20.32  | 20.27  | 0.0644  | 0.0649 | 0.0641 |
| 5               | 16QAM  | 25 | 0  | 20.27  | 20.36  | 20.23  | 0.0641  | 0.0655 | 0.0635 |
| 5               | 64QAM  | 1  | 0  | 20.39  | 20.47  | 20.39  | 0.0659  | 0.0671 | 0.0659 |
| 5               | 64QAM  | 1  | 12 | 20.42  | 20.42  | 20.36  | 0.0664  | 0.0664 | 0.0655 |
| 5               | 64QAM  | 1  | 24 | 20.36  | 20.47  | 20.47  | 0.0655  | 0.0671 | 0.0671 |
| 5               | 64QAM  | 12 | 0  | 19.31  | 19.27  | 19.31  | 0.0514  | 0.0509 | 0.0514 |
| 5               | 64QAM  | 12 | 7  | 19.21  | 19.35  | 19.27  | 0.0502  | 0.0519 | 0.0509 |
| 5               | 64QAM  | 12 | 13 | 19.19  | 19.30  | 19.25  | 0.0500  | 0.0513 | 0.0507 |
| 5               | 64QAM  | 25 | 0  | 19.22  | 19.23  | 19.28  | 0.0504  | 0.0505 | 0.0511 |
| 5               | 256QAM | 1  | 0  | 17.29  | 17.39  | 17.39  | 0.0323  | 0.0330 | 0.0330 |
| 5               | 256QAM | 1  | 12 | 17.35  | 17.45  | 17.42  | 0.0327  | 0.0335 | 0.0333 |
| 5               | 256QAM | 1  | 24 | 17.40  | 17.39  | 17.30  | 0.0331  | 0.0330 | 0.0324 |
| 5               | 256QAM | 12 | 0  | 17.39  | 17.42  | 17.41  | 0.0330  | 0.0333 | 0.0332 |
| 5               | 256QAM | 12 | 7  | 17.38  | 17.41  | 17.31  | 0.0330  | 0.0332 | 0.0324 |
| 5               | 256QAM | 12 | 13 | 17.29  | 17.43  | 17.30  | 0.0323  | 0.0333 | 0.0324 |
| 5               | 256QAM | 25 | 0  | 17.30  | 17.34  | 17.41  | 0.0324  | 0.0327 | 0.0332 |
| Channel         |        |    |    | 131987 | 132322 | 132657 | EIRP(W) |        |        |
| Frequency (MHz) |        |    |    | 1711.5 | 1745   | 1778.5 | L       | M      | H      |
| 3               | QPSK   | 1  | 0  | 22.34  | 22.37  | 22.30  | 0.1033  | 0.1040 | 0.1023 |
| 3               | QPSK   | 1  | 8  | 22.27  | 22.40  | 22.30  | 0.1016  | 0.1047 | 0.1023 |
| 3               | QPSK   | 1  | 14 | 22.25  | 22.38  | 22.33  | 0.1012  | 0.1042 | 0.1030 |
| 3               | QPSK   | 8  | 0  | 21.32  | 21.28  | 21.31  | 0.0817  | 0.0809 | 0.0815 |
| 3               | QPSK   | 8  | 4  | 21.31  | 21.23  | 21.29  | 0.0815  | 0.0800 | 0.0811 |
| 3               | QPSK   | 8  | 7  | 21.27  | 21.36  | 21.24  | 0.0807  | 0.0824 | 0.0802 |
| 3               | QPSK   | 15 | 0  | 21.22  | 21.31  | 21.20  | 0.0798  | 0.0815 | 0.0794 |
| 3               | 16QAM  | 1  | 0  | 21.50  | 21.62  | 21.65  | 0.0851  | 0.0875 | 0.0881 |
| 3               | 16QAM  | 1  | 8  | 21.67  | 21.73  | 21.63  | 0.0885  | 0.0897 | 0.0877 |
| 3               | 16QAM  | 1  | 14 | 21.64  | 21.65  | 21.58  | 0.0879  | 0.0881 | 0.0867 |
| 3               | 16QAM  | 8  | 0  | 20.23  | 20.36  | 20.25  | 0.0635  | 0.0655 | 0.0638 |
| 3               | 16QAM  | 8  | 4  | 20.28  | 20.30  | 20.31  | 0.0643  | 0.0646 | 0.0647 |
| 3               | 16QAM  | 8  | 7  | 20.23  | 20.27  | 20.26  | 0.0635  | 0.0641 | 0.0640 |
| 3               | 16QAM  | 15 | 0  | 20.28  | 20.32  | 20.21  | 0.0643  | 0.0649 | 0.0632 |
| 3               | 64QAM  | 1  | 0  | 20.39  | 20.41  | 20.45  | 0.0659  | 0.0662 | 0.0668 |
| 3               | 64QAM  | 1  | 8  | 20.43  | 20.46  | 20.43  | 0.0665  | 0.0670 | 0.0665 |
| 3               | 64QAM  | 1  | 14 | 20.30  | 20.51  | 20.51  | 0.0646  | 0.0678 | 0.0678 |
| 3               | 64QAM  | 8  | 0  | 19.39  | 19.29  | 19.20  | 0.0524  | 0.0512 | 0.0501 |
| 3               | 64QAM  | 8  | 4  | 19.29  | 19.34  | 19.31  | 0.0512  | 0.0518 | 0.0514 |
| 3               | 64QAM  | 8  | 7  | 19.29  | 19.38  | 19.27  | 0.0512  | 0.0522 | 0.0509 |
| 3               | 64QAM  | 15 | 0  | 19.22  | 19.25  | 19.28  | 0.0504  | 0.0507 | 0.0511 |
| 3               | 256QAM | 1  | 0  | 17.40  | 17.46  | 17.31  | 0.0331  | 0.0336 | 0.0324 |
| 3               | 256QAM | 1  | 8  | 17.35  | 17.43  | 17.43  | 0.0327  | 0.0333 | 0.0333 |
| 3               | 256QAM | 1  | 14 | 17.33  | 17.42  | 17.35  | 0.0326  | 0.0333 | 0.0327 |



|                 |        |    |   |        |        |        |         |        |        |
|-----------------|--------|----|---|--------|--------|--------|---------|--------|--------|
| 3               | 256QAM | 8  | 0 | 17.37  | 17.37  | 17.39  | 0.0329  | 0.0329 | 0.0330 |
| 3               | 256QAM | 8  | 4 | 17.34  | 17.33  | 17.37  | 0.0327  | 0.0326 | 0.0329 |
| 3               | 256QAM | 8  | 7 | 17.40  | 17.43  | 17.32  | 0.0331  | 0.0333 | 0.0325 |
| 3               | 256QAM | 15 | 0 | 17.29  | 17.42  | 17.36  | 0.0323  | 0.0333 | 0.0328 |
| Channel         |        |    |   | 131979 | 132322 | 132665 | EIRP(W) |        |        |
| Frequency (MHz) |        |    |   | 1710.7 | 1745   | 1779.3 | L       | M      | H      |
| 1.4             | QPSK   | 1  | 0 | 22.37  | 22.43  | 22.31  | 0.1040  | 0.1054 | 0.1026 |
| 1.4             | QPSK   | 1  | 3 | 22.36  | 22.38  | 22.34  | 0.1038  | 0.1042 | 0.1033 |
| 1.4             | QPSK   | 1  | 5 | 22.32  | 22.34  | 22.26  | 0.1028  | 0.1033 | 0.1014 |
| 1.4             | QPSK   | 3  | 0 | 22.38  | 22.36  | 22.30  | 0.1042  | 0.1038 | 0.1023 |
| 1.4             | QPSK   | 3  | 1 | 22.32  | 22.44  | 22.34  | 0.1028  | 0.1057 | 0.1033 |
| 1.4             | QPSK   | 3  | 3 | 22.33  | 22.34  | 22.34  | 0.1030  | 0.1033 | 0.1033 |
| 1.4             | QPSK   | 6  | 0 | 21.22  | 21.34  | 21.27  | 0.0798  | 0.0820 | 0.0807 |
| 1.4             | 16QAM  | 1  | 0 | 21.24  | 21.27  | 21.18  | 0.0802  | 0.0807 | 0.0791 |
| 1.4             | 16QAM  | 1  | 3 | 21.26  | 21.26  | 21.24  | 0.0805  | 0.0805 | 0.0802 |
| 1.4             | 16QAM  | 1  | 5 | 21.24  | 21.34  | 21.23  | 0.0802  | 0.0820 | 0.0800 |
| 1.4             | 16QAM  | 3  | 0 | 21.49  | 21.67  | 21.64  | 0.0849  | 0.0885 | 0.0879 |
| 1.4             | 16QAM  | 3  | 1 | 21.59  | 21.74  | 21.60  | 0.0869  | 0.0899 | 0.0871 |
| 1.4             | 16QAM  | 3  | 3 | 21.73  | 21.66  | 21.50  | 0.0897  | 0.0883 | 0.0851 |
| 1.4             | 16QAM  | 6  | 0 | 20.17  | 20.38  | 20.20  | 0.0627  | 0.0658 | 0.0631 |
| 1.4             | 64QAM  | 1  | 0 | 20.30  | 20.28  | 20.23  | 0.0646  | 0.0643 | 0.0635 |
| 1.4             | 64QAM  | 1  | 3 | 20.28  | 20.29  | 20.29  | 0.0643  | 0.0644 | 0.0644 |
| 1.4             | 64QAM  | 1  | 5 | 20.30  | 20.26  | 20.23  | 0.0646  | 0.0640 | 0.0635 |
| 1.4             | 64QAM  | 3  | 0 | 20.46  | 20.47  | 20.44  | 0.0670  | 0.0671 | 0.0667 |
| 1.4             | 64QAM  | 3  | 1 | 20.41  | 20.41  | 20.41  | 0.0662  | 0.0662 | 0.0662 |
| 1.4             | 64QAM  | 3  | 3 | 20.30  | 20.48  | 20.45  | 0.0646  | 0.0673 | 0.0668 |
| 1.4             | 64QAM  | 6  | 0 | 19.28  | 19.33  | 19.28  | 0.0511  | 0.0516 | 0.0511 |
| 1.4             | 256QAM | 1  | 0 | 17.36  | 17.47  | 17.38  | 0.0328  | 0.0337 | 0.0330 |
| 1.4             | 256QAM | 1  | 3 | 17.38  | 17.46  | 17.43  | 0.0330  | 0.0336 | 0.0333 |
| 1.4             | 256QAM | 1  | 5 | 17.37  | 17.37  | 17.40  | 0.0329  | 0.0329 | 0.0331 |
| 1.4             | 256QAM | 3  | 0 | 17.36  | 17.33  | 17.32  | 0.0328  | 0.0326 | 0.0325 |
| 1.4             | 256QAM | 3  | 1 | 17.36  | 17.43  | 17.40  | 0.0328  | 0.0333 | 0.0331 |
| 1.4             | 256QAM | 3  | 3 | 17.41  | 17.34  | 17.39  | 0.0332  | 0.0327 | 0.0330 |
| 1.4             | 256QAM | 6  | 0 | 17.33  | 17.42  | 17.30  | 0.0326  | 0.0333 | 0.0324 |



## LTE Band 2

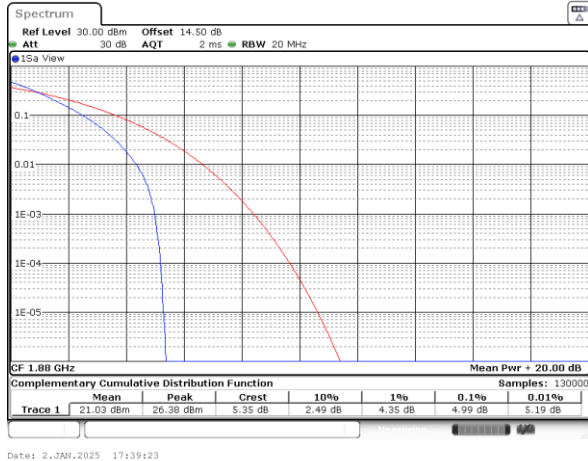
### Peak-to-Average Ratio

| Mode      | LTE Band 2 / 20MHz |         |         |             |
|-----------|--------------------|---------|---------|-------------|
| Mod.      | QPSK               | 16QAM   | 64QAM   | Limit: 13dB |
| RB Size   | Full RB            | Full RB | Full RB | Result      |
| Middle CH | 4.99               | 5.80    | 6.55    | PASS        |



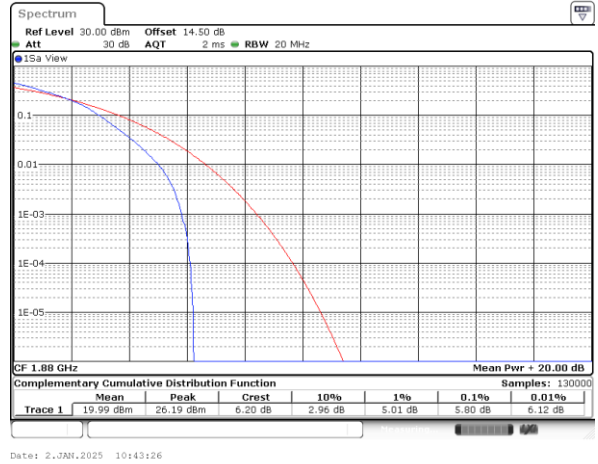
LTE Band 2 / 20MHz / QPSK

Middle Channel / Full RB



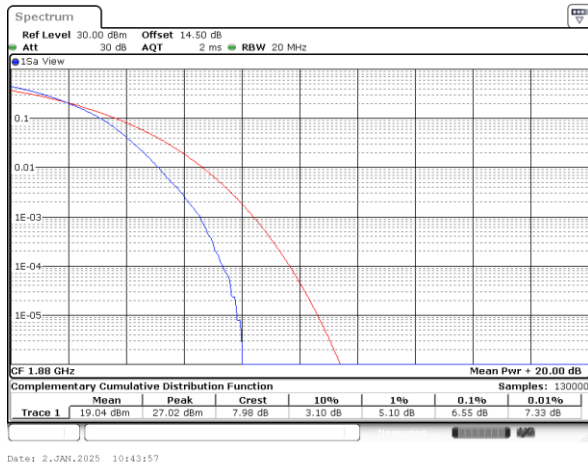
LTE Band 2 / 20MHz / 16QAM

Middle Channel / Full RB



LTE Band 2 / 20MHz / 64QAM

Middle Channel / Full RB





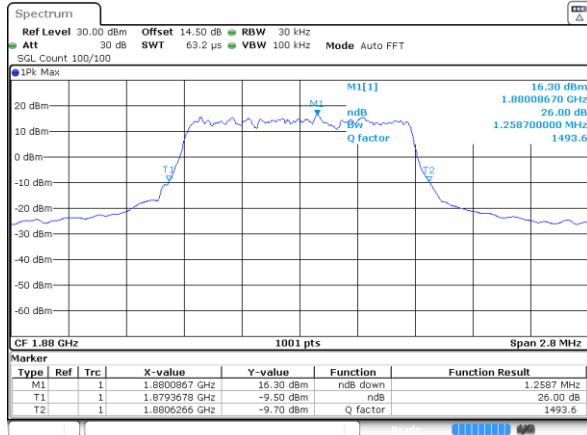
## 26dB Bandwidth

| Mode      | LTE Band 2 : 26dB BW(MHz) |       |      |       |      |       |       |       |       |       |       |       |
|-----------|---------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| BW        | 1.4MHz                    |       | 3MHz |       | 5MHz |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.      | QPSK                      | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Middle CH | 1.26                      | 1.28  | 2.93 | 2.96  | 4.85 | 4.87  | 9.83  | 9.89  | 14.45 | 14.30 | 18.70 | 18.98 |



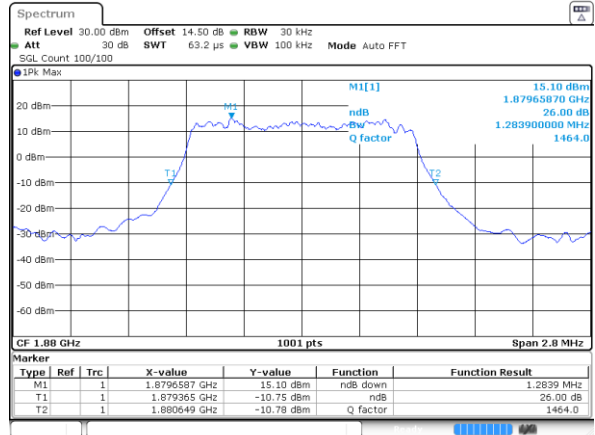
## LTE Band 2

## Middle Channel / 1.4MHz / QPSK



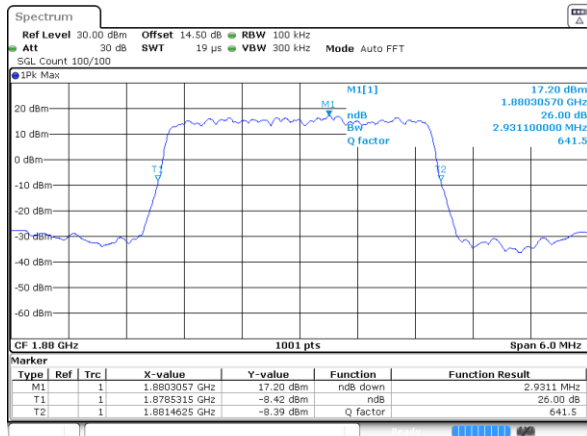
Date: 29 DEC 2024 22:03:32

## Middle Channel / 1.4MHz / 16QAM



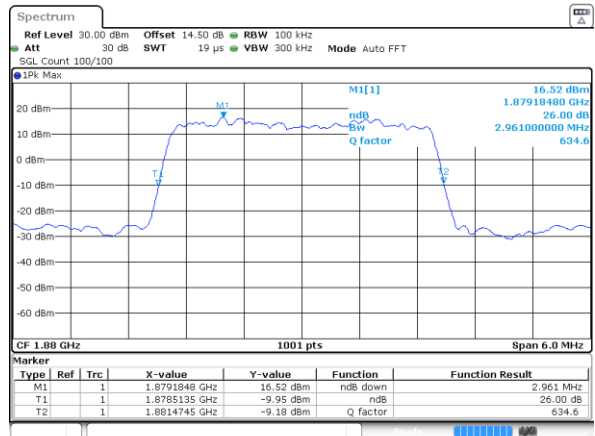
Date: 29 DEC 2024 22:04:11

## Middle Channel / 3MHz / QPSK



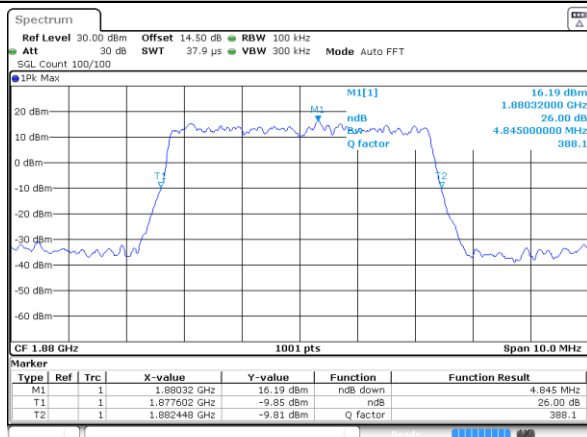
Date: 29 DEC 2024 22:20:36

## Middle Channel / 3MHz / 16QAM



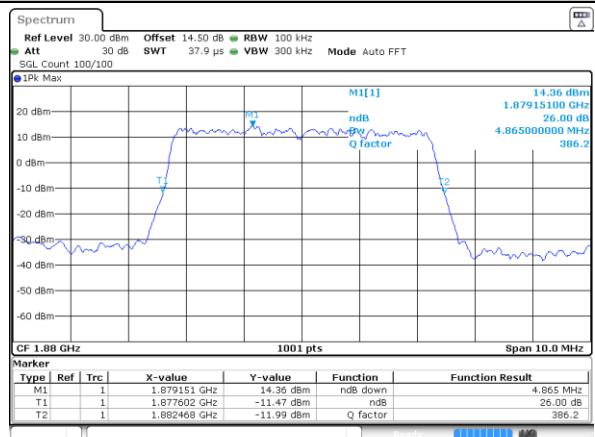
Date: 29 DEC 2024 22:21:15

## Middle Channel / 5MHz / QPSK



Date: 29 DEC 2024 22:37:38

## Middle Channel / 5MHz / 16QAM

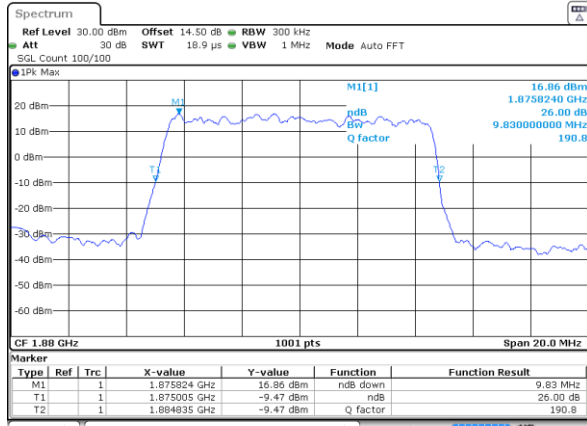


Date: 29 DEC 2024 22:38:18

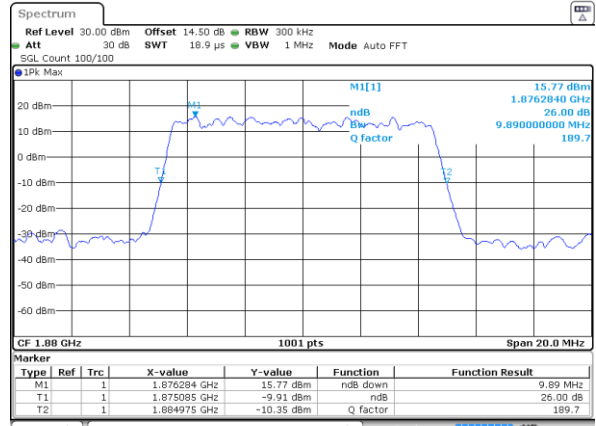


## LTE Band 2

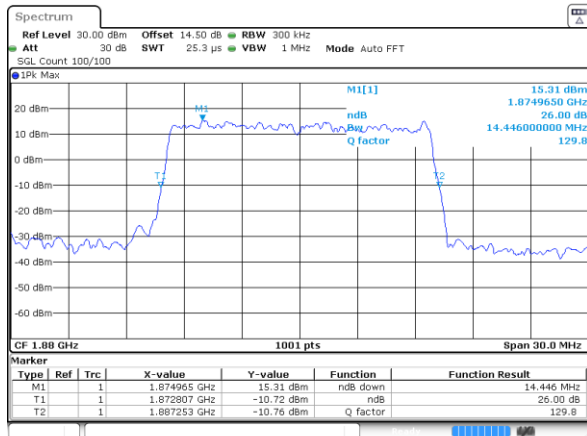
## Middle Channel / 10MHz / QPSK



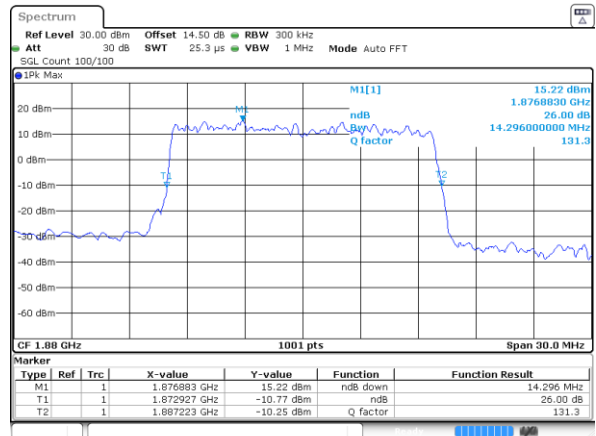
## Middle Channel / 10MHz / 16QAM



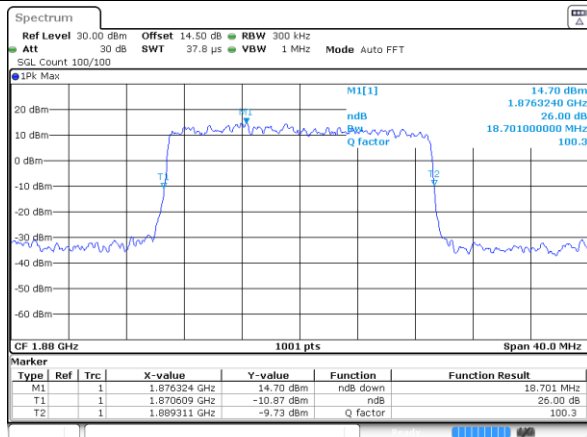
## Middle Channel / 15MHz / QPSK



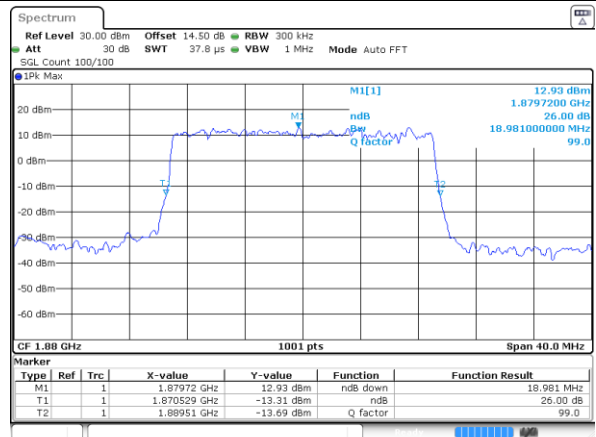
## Middle Channel / 15MHz / 16QAM



## Middle Channel / 20MHz / QPSK



## Middle Channel / 20MHz / 16QAM





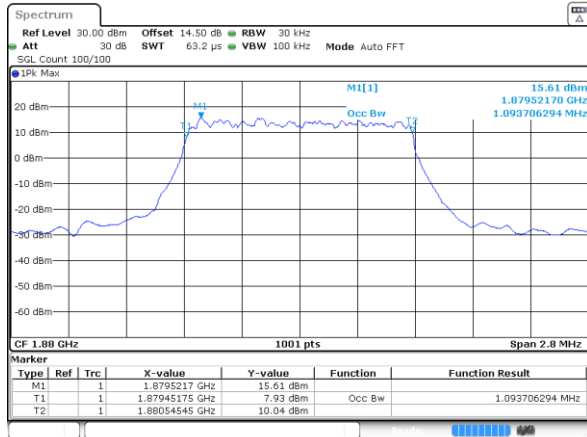
## Occupied Bandwidth

| Mode      | LTE Band 2 : 99%OBW(MHz) |       |      |       |      |       |       |       |       |       |       |       |
|-----------|--------------------------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| BW        | 1.4MHz                   |       | 3MHz |       | 5MHz |       | 10MHz |       | 15MHz |       | 20MHz |       |
| Mod.      | QPSK                     | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM | QPSK  | 16QAM |
| Middle CH | 1.09                     | 1.10  | 2.71 | 2.70  | 4.48 | 4.48  | 9.07  | 8.95  | 13.43 | 13.46 | 17.86 | 17.90 |

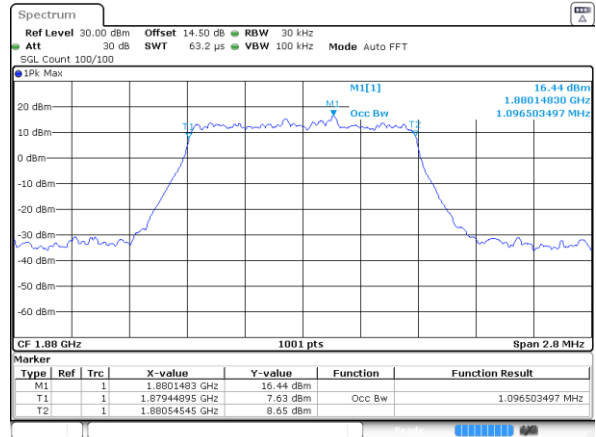


## LTE Band 2

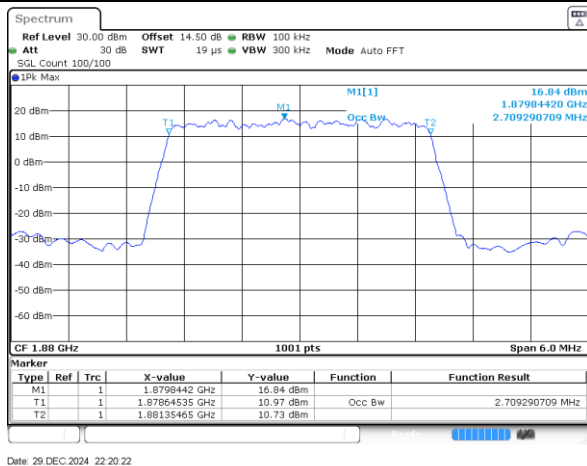
## Middle Channel / 1.4MHz / QPSK



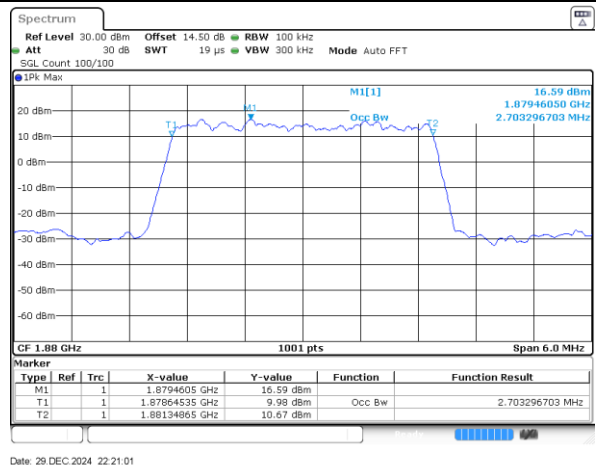
## Middle Channel / 1.4MHz / 16QAM



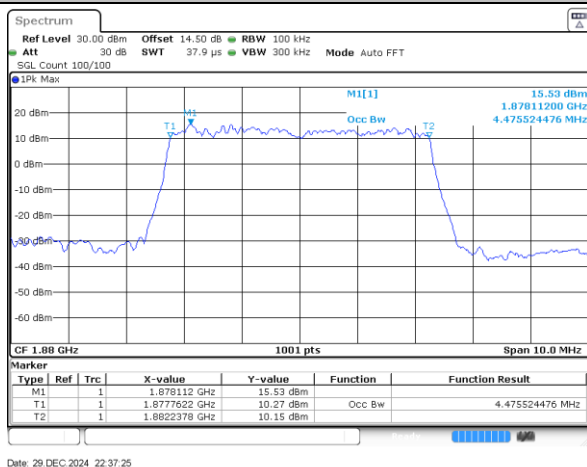
## Middle Channel / 3MHz / QPSK



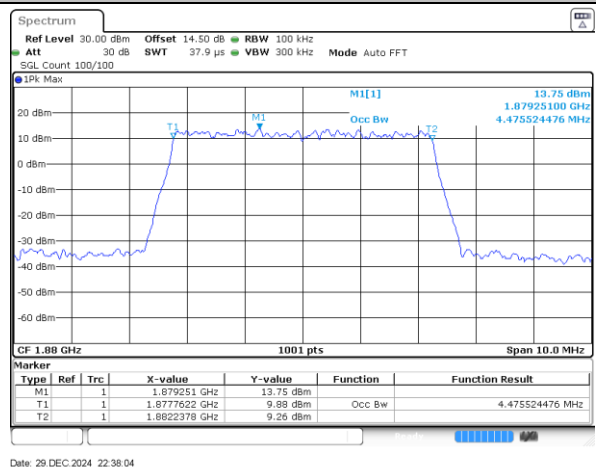
## Middle Channel / 3MHz / 16QAM



## Middle Channel / 5MHz / QPSK



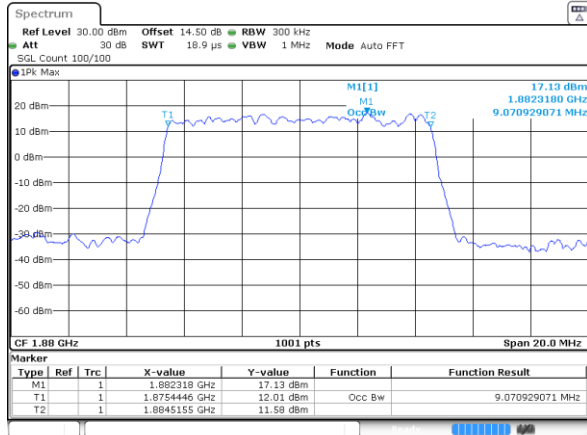
## Middle Channel / 5MHz / 16QAM





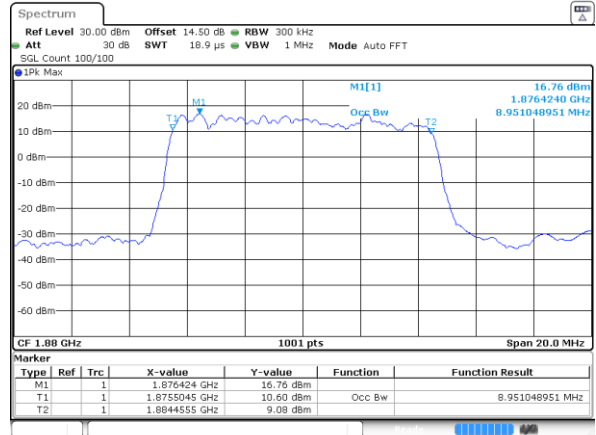
## LTE Band 2

## Middle Channel / 10MHz / QPSK



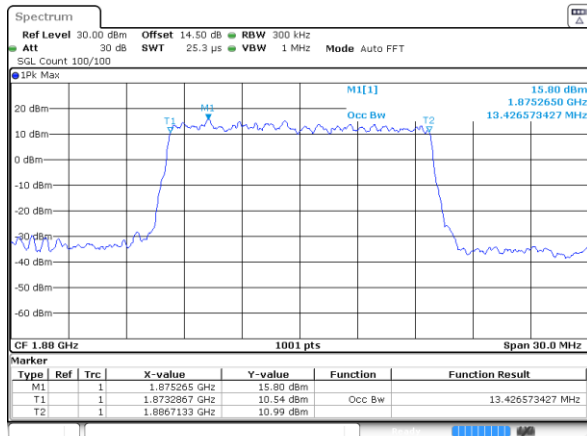
Date: 29 DEC 2024 22:54:27

## Middle Channel / 10MHz / 16QAM



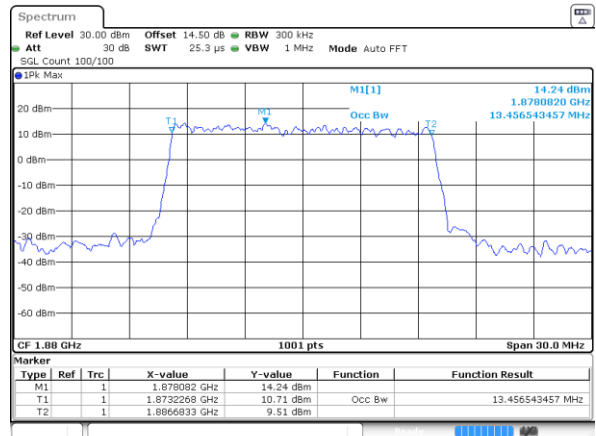
Date: 29 DEC 2024 22:55:06

## Middle Channel / 15MHz / QPSK



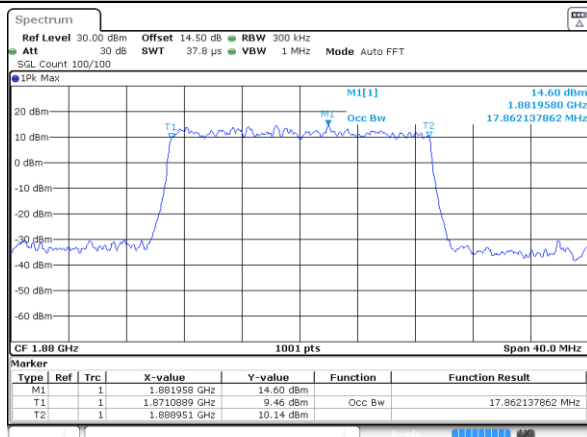
Date: 29 DEC 2024 23:11:56

## Middle Channel / 15MHz / 16QAM



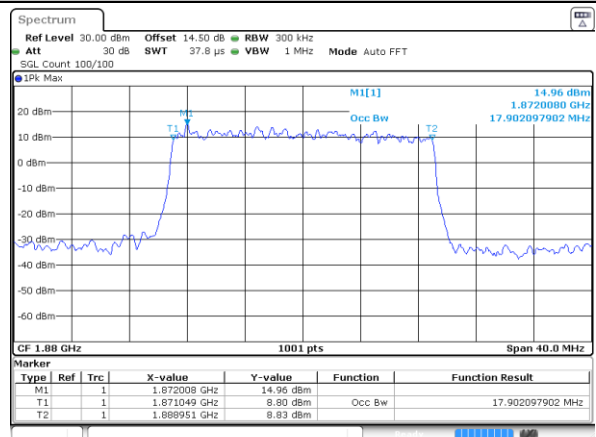
Date: 29 DEC 2024 23:12:35

## Middle Channel / 20MHz / QPSK



Date: 29 DEC 2024 23:29:02

## Middle Channel / 20MHz / 16QAM



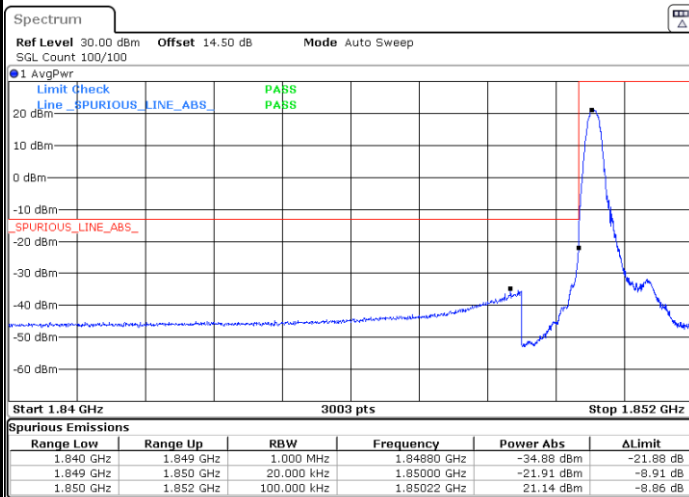
Date: 29 DEC 2024 23:29:41



# Conducted Band Edge

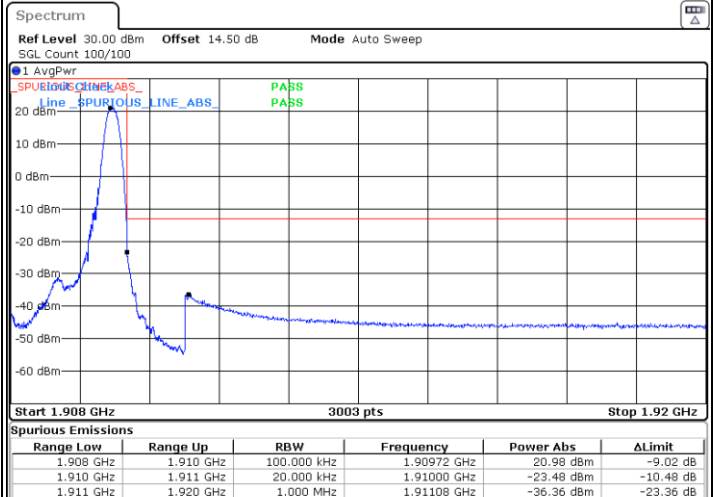
## LTE Band 2 / 1.4MHz / QPSK

### Lowest Band Edge / 1RB



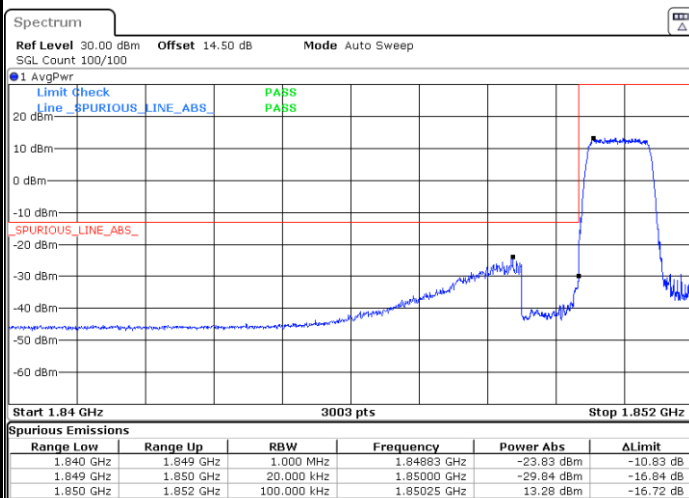
Date: 29 DEC 2024 21:55:37

### Highest Band Edge / 1RB



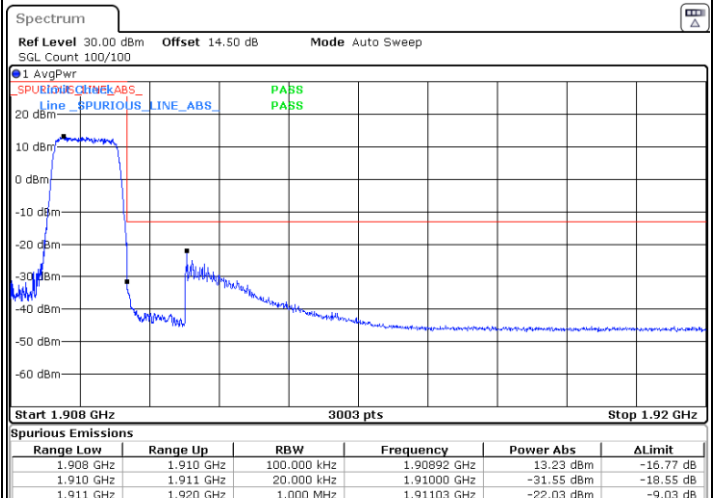
Date: 29 DEC 2024 22:05:05

### Lowest Band Edge / Full RB



Date: 29 DEC 2024 21:59:42

### Highest Band Edge / Full RB

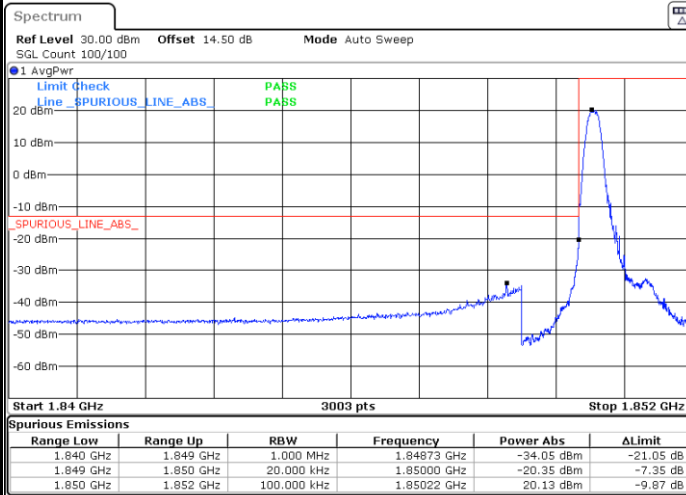


Date: 29 DEC 2024 22:09:10

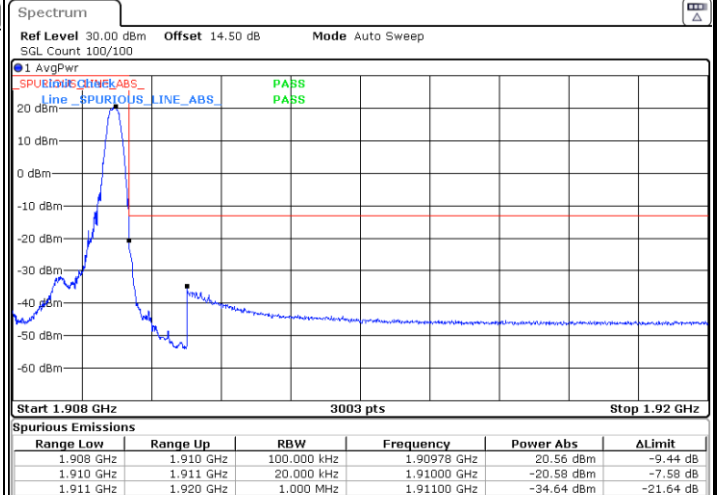


## LTE Band 2 / 1.4MHz / 16QAM

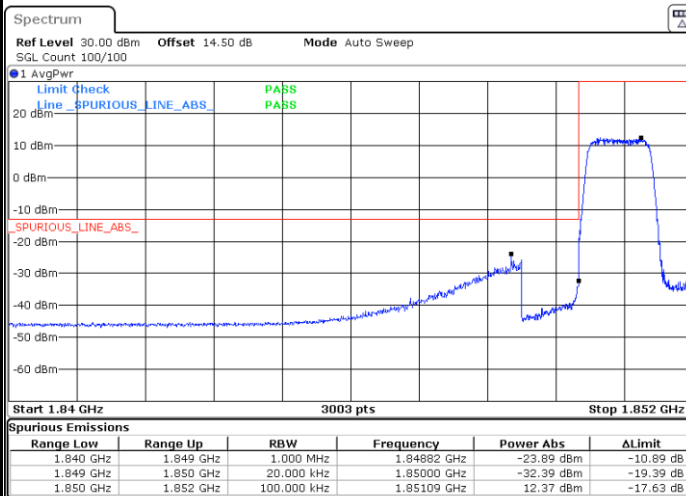
## Lowest Band Edge / 1 RB



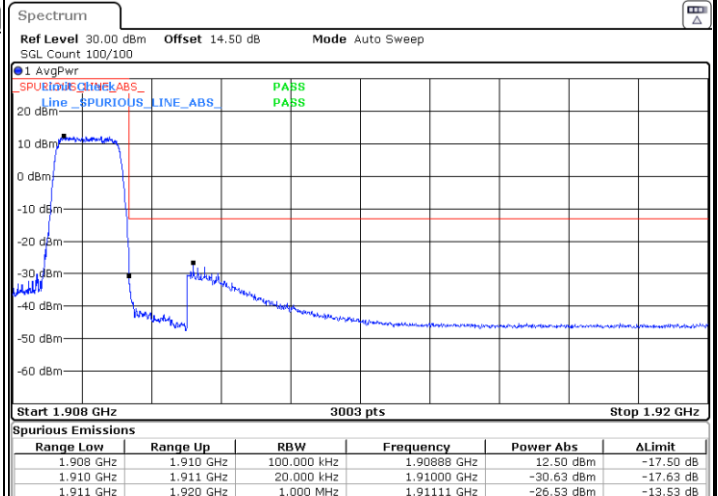
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



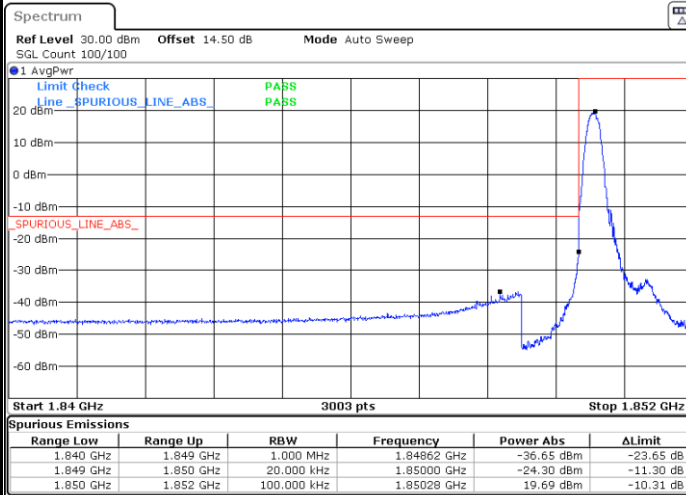
## Highest Band Edge / Full RB



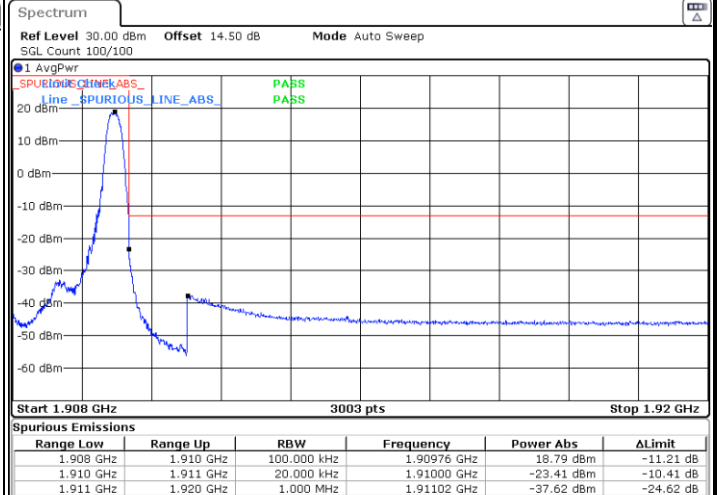


## LTE Band 2 / 1.4MHz / 64QAM

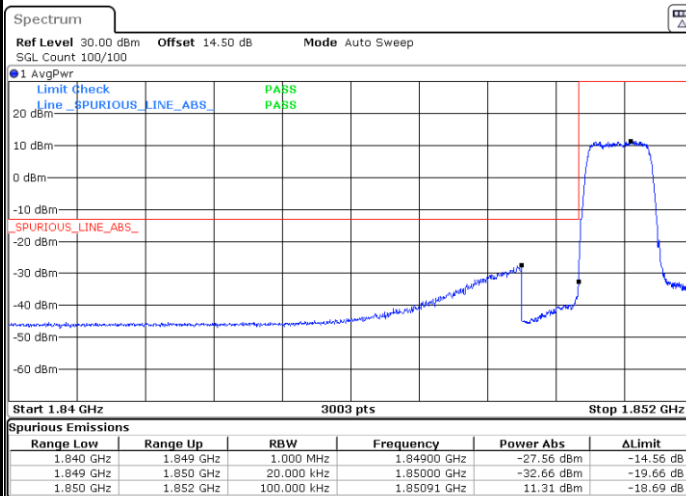
## Lowest Band Edge / 1 RB



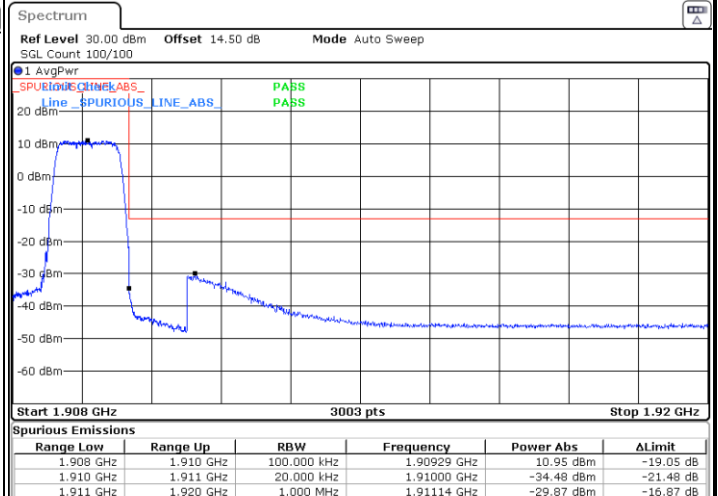
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



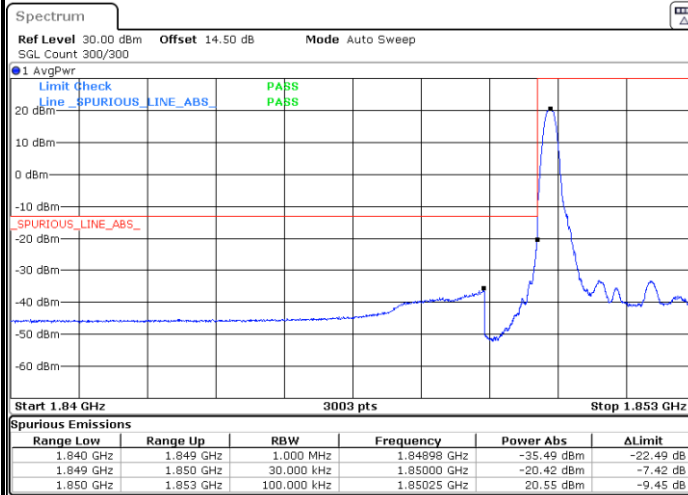
## Highest Band Edge / Full RB



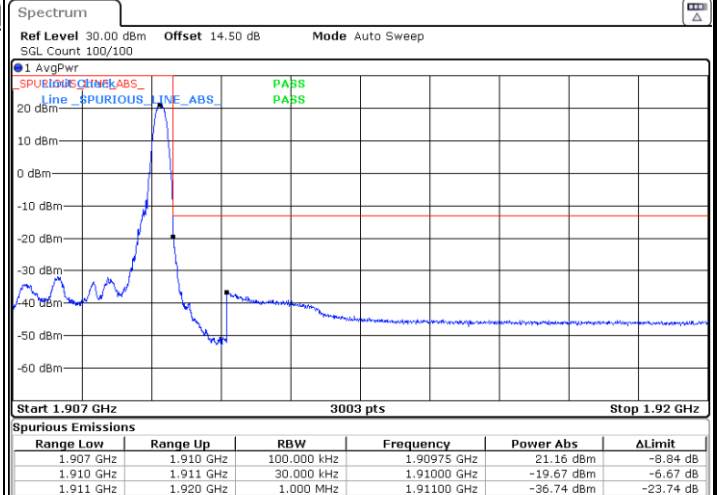


## LTE Band 2 / 3MHz / QPSK

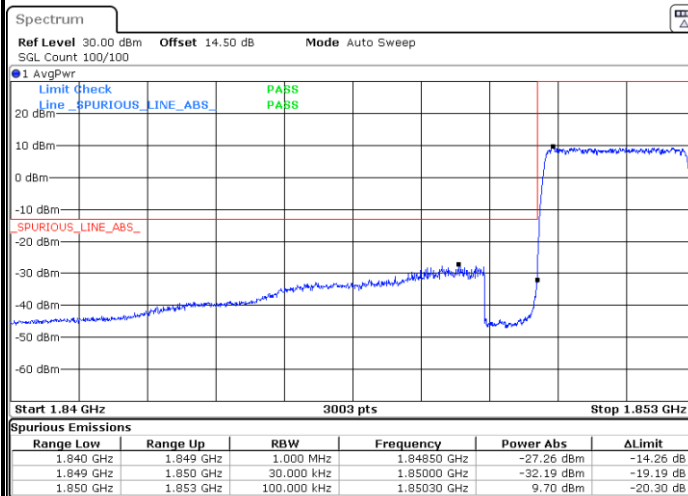
## Lowest Band Edge / 1RB



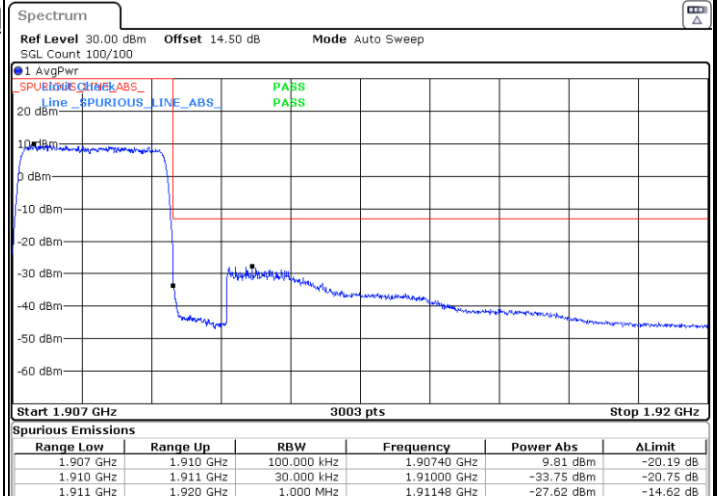
## Highest Band Edge / 1RB



## Lowest Band Edge / Full RB



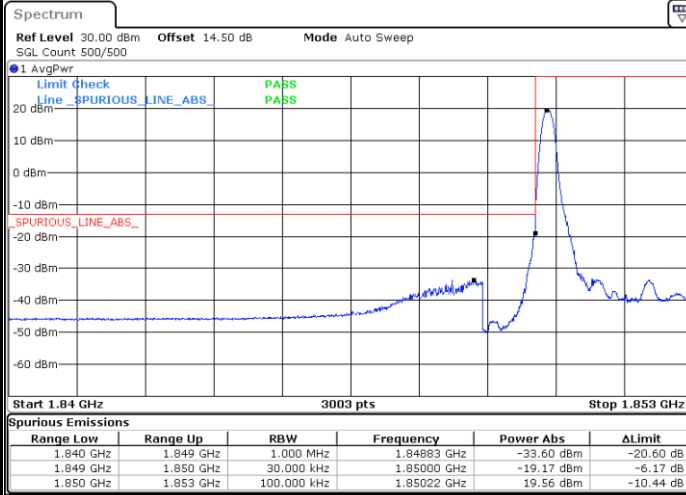
## Highest Band Edge / Full RB



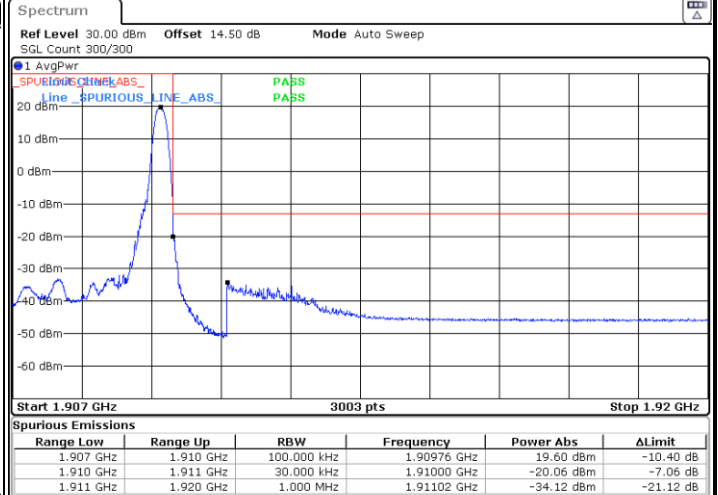


## LTE Band 2 / 3MHz / 16QAM

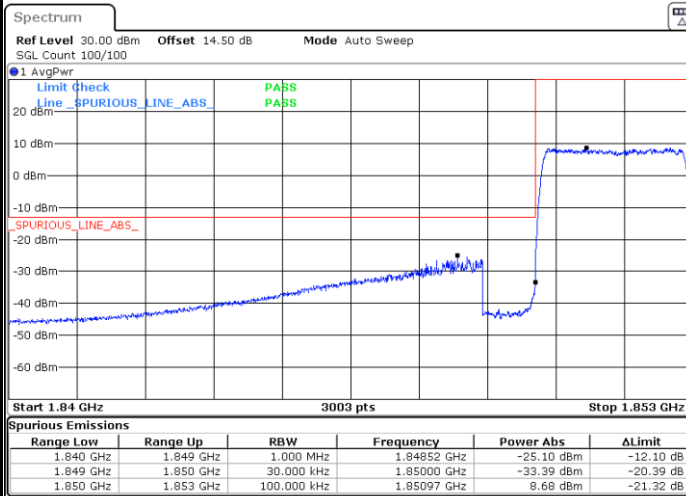
## Lowest Band Edge / 1 RB



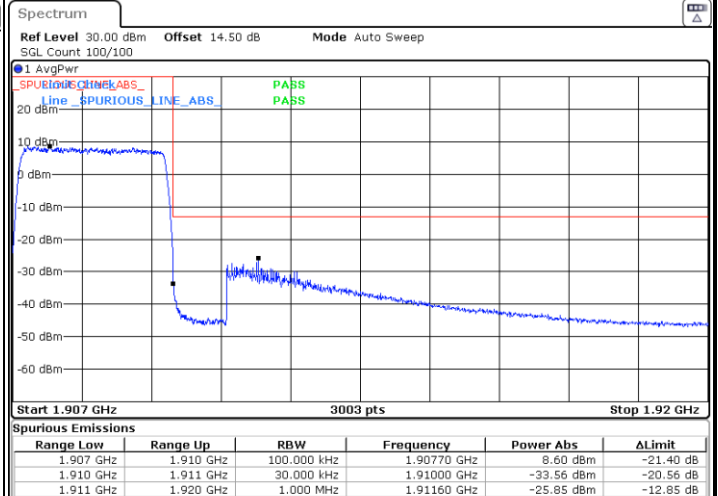
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



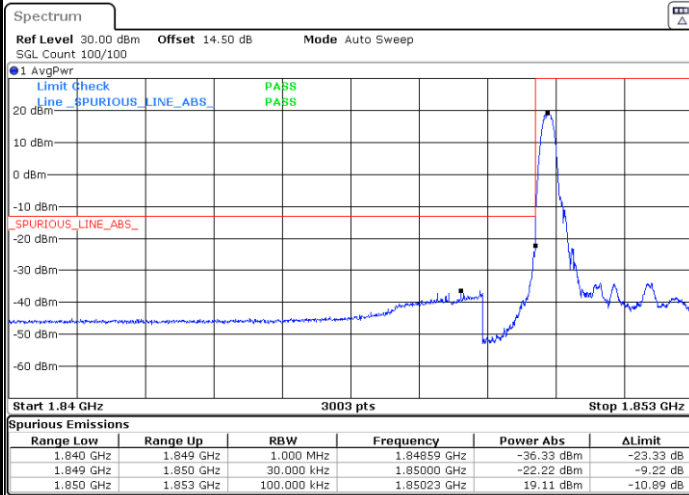
## Highest Band Edge / Full RB





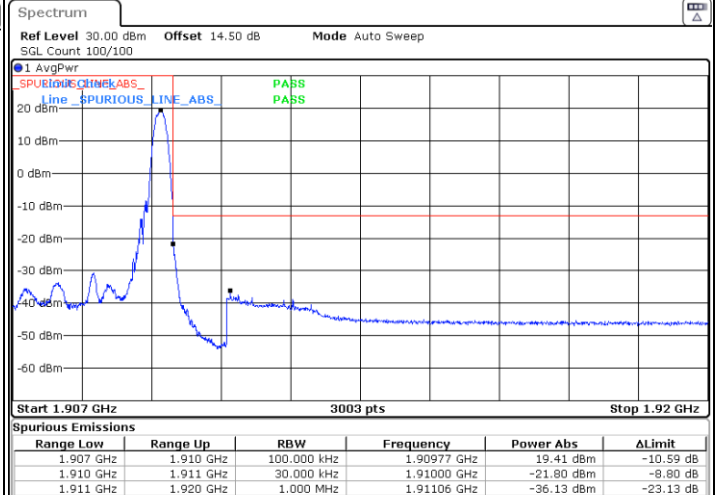
## LTE Band 2 / 3MHz / 64QAM

## Lowest Band Edge / 1 RB



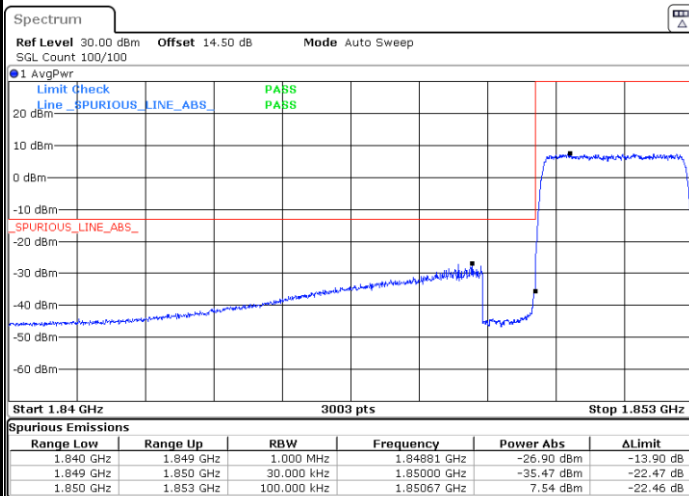
Date: 29 DEC 2024 22:14:36

## Highest Band Edge / 1 RB



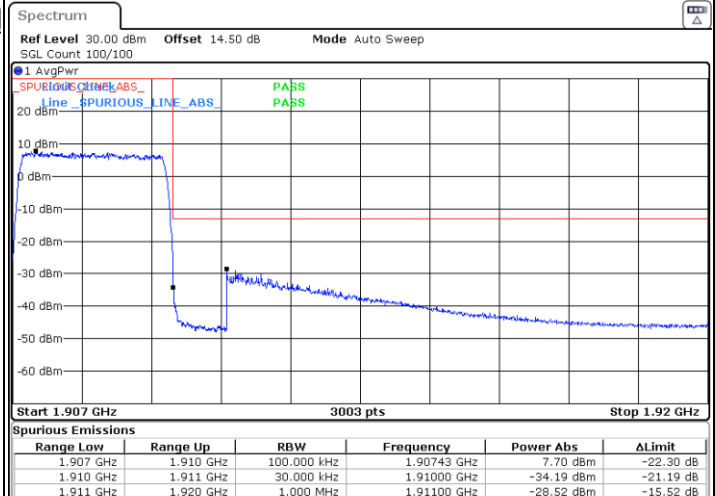
Date: 29 DEC 2024 22:24:02

## Lowest Band Edge / Full RB



Date: 29 DEC 2024 22:18:40

## Highest Band Edge / Full RB

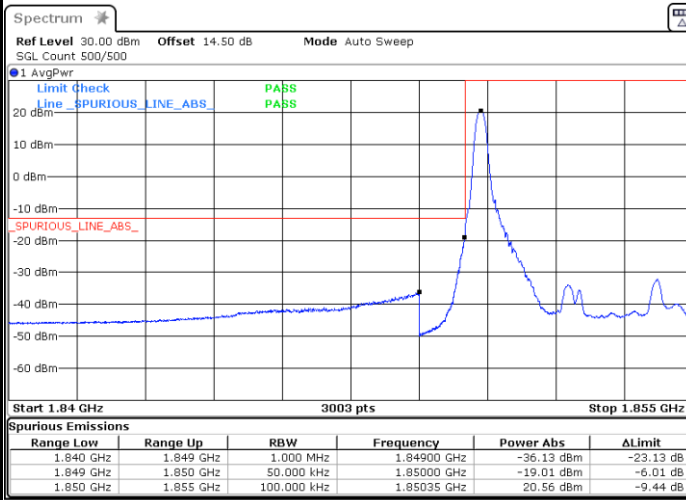


Date: 29 DEC 2024 22:26:52

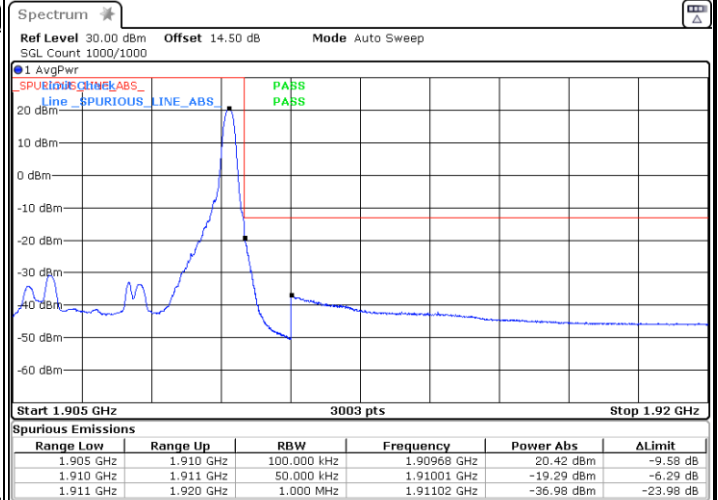


## LTE Band 2 / 5MHz / QPSK

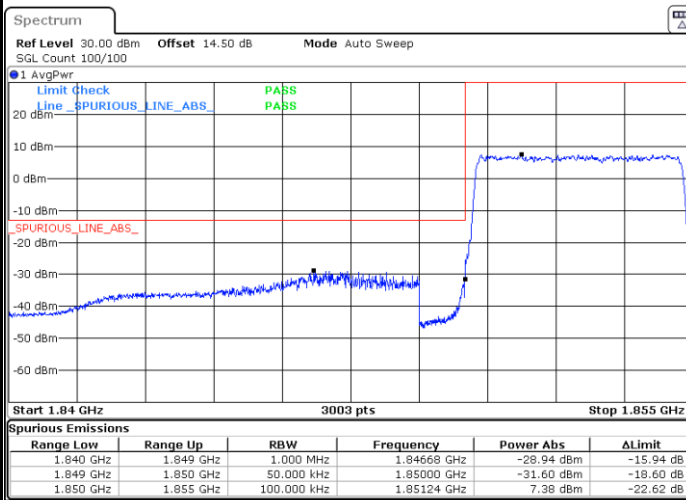
## Lowest Band Edge / 1RB



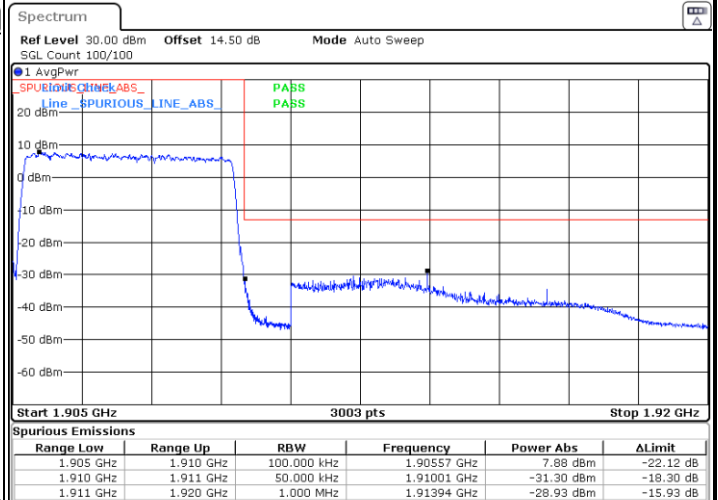
## Highest Band Edge / 1RB



## Lowest Band Edge / Full RB



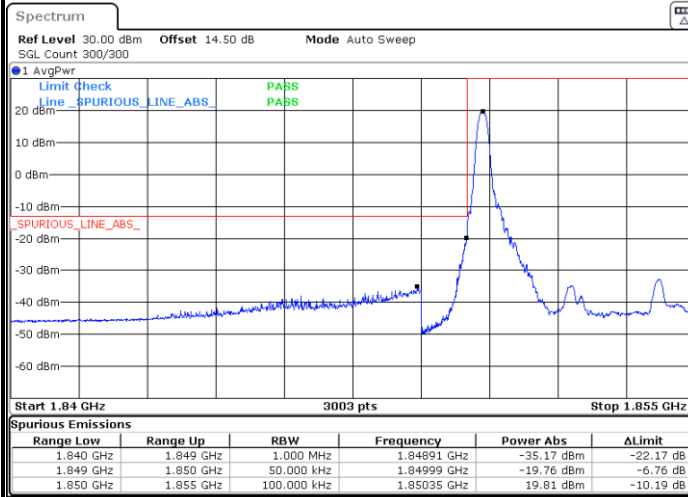
## Highest Band Edge / Full RB



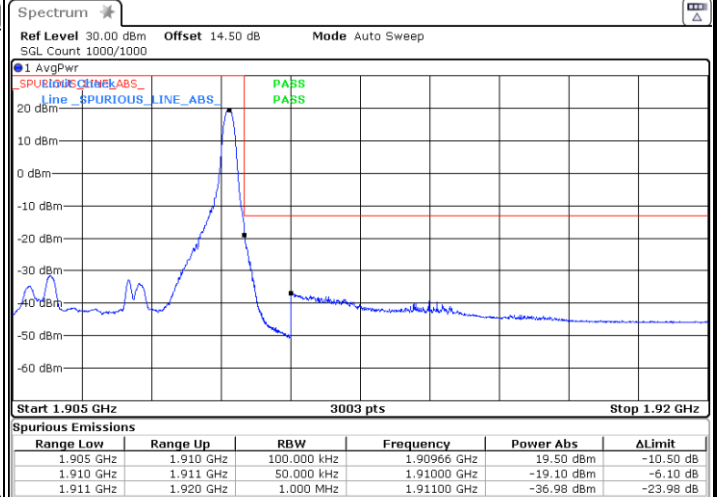


## LTE Band 2 / 5MHz / 16QAM

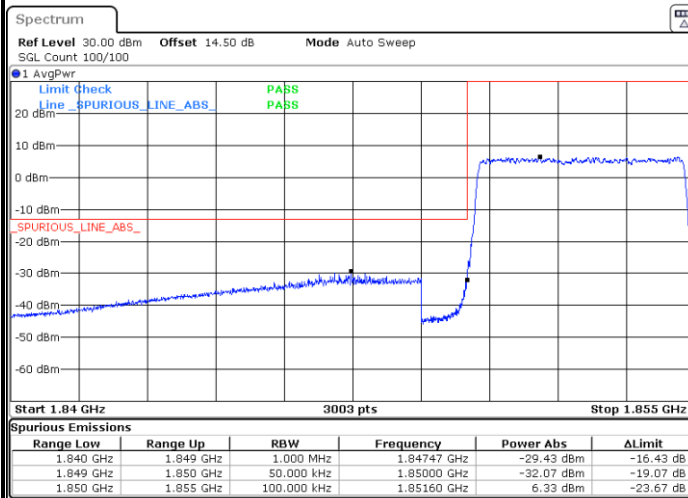
## Lowest Band Edge / 1 RB



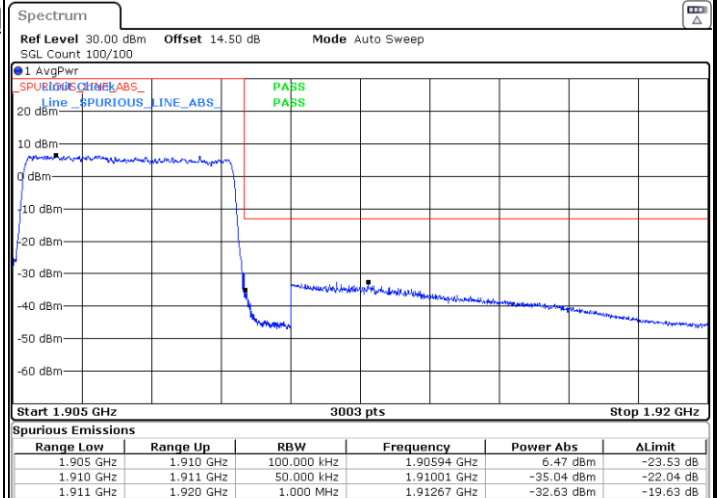
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



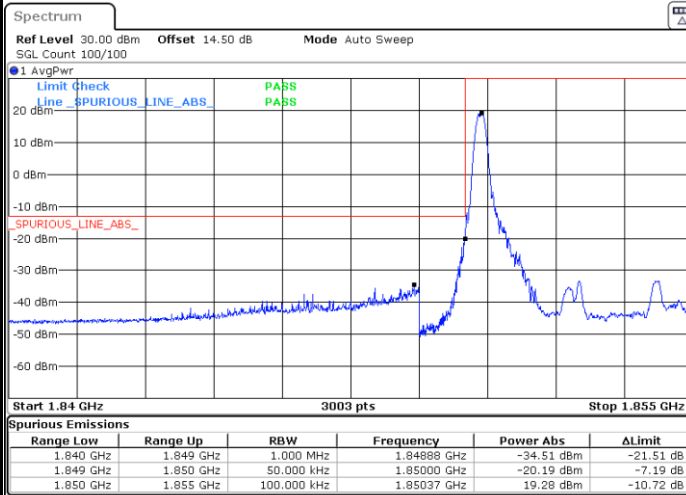
## Highest Band Edge / Full RB





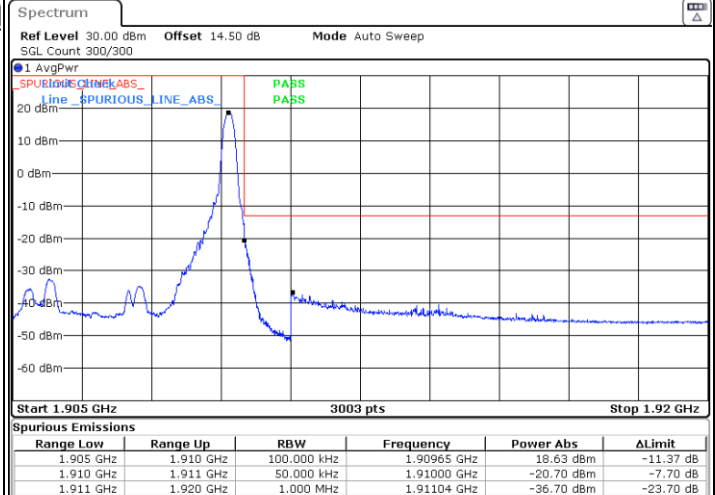
## LTE Band 2 / 5MHz / 64QAM

## Lowest Band Edge / 1 RB



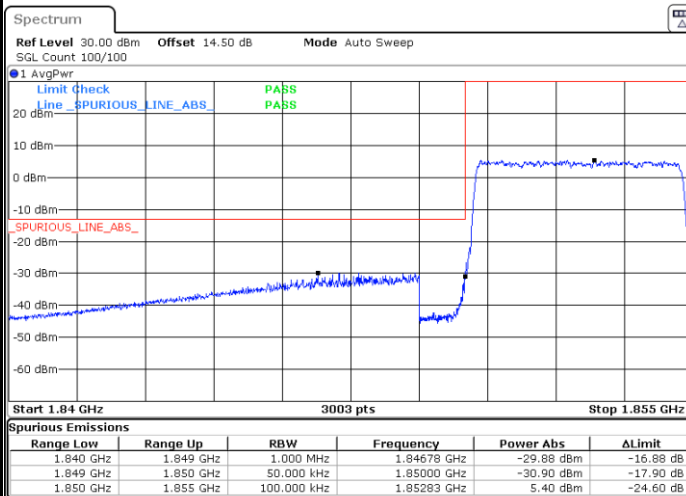
Date: 29 DEC 2024 22:31:39

## Highest Band Edge / 1 RB



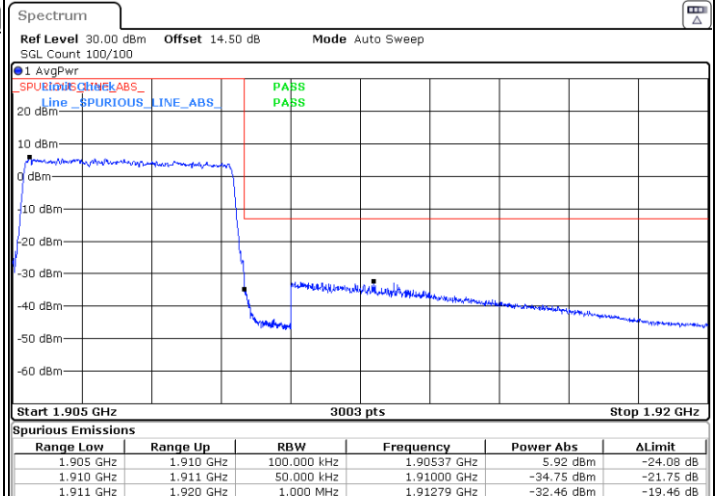
Date: 2 JAN 2025 16:52:35

## Lowest Band Edge / Full RB



Date: 29 DEC 2024 22:35:43

## Highest Band Edge / Full RB

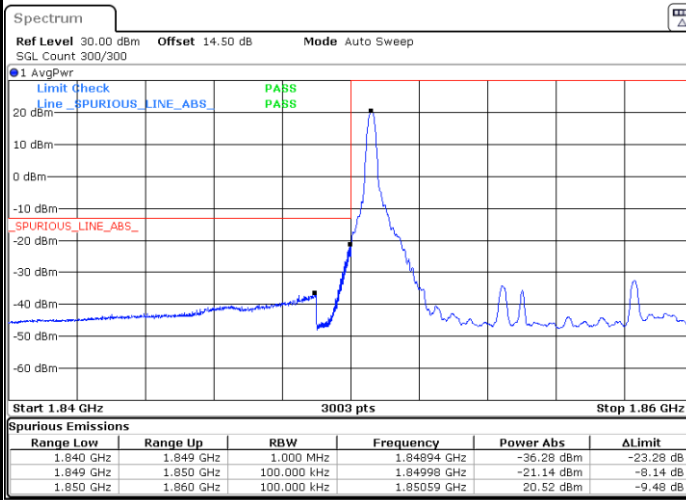


Date: 29 DEC 2024 22:43:54

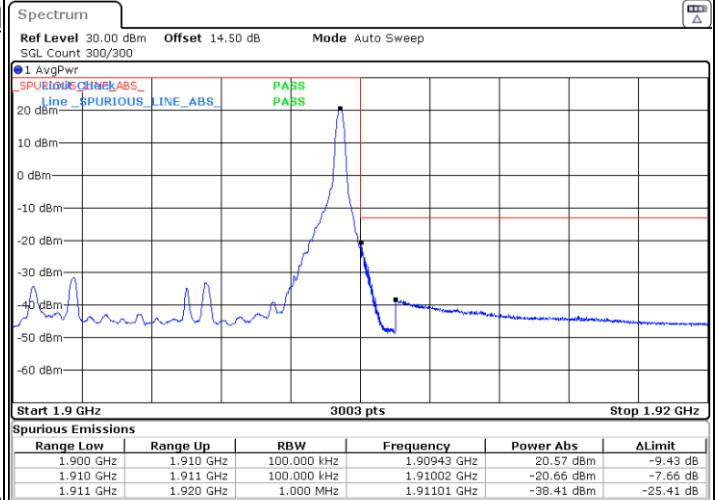


## LTE Band 2 / 10MHz / QPSK

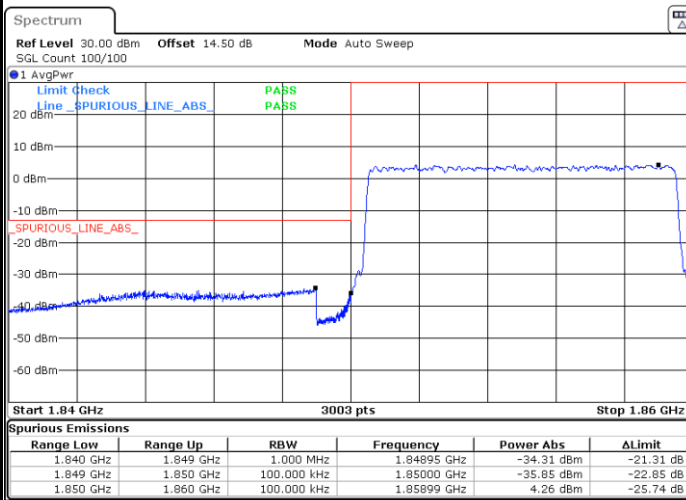
## Lowest Band Edge / 1RB



## Highest Band Edge / 1RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

