

## Partial FCC Test Report

### (PART 24)

**Report No.:** RF180629C15-5

**FCC ID:** O57T77W980

**Test Model:** T77W980

**Received Date:** Jun. 23, 2018

**Test Date:** Aug. 07, 2018 ~ Aug. 09, 2018

**Issued Date:** Aug. 16, 2018

**Applicant:** Lenovo(Shanghai) Electronics Technology Co., Ltd.

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**Issued By:** Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

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**Test Location (2):** No.215, Sec. 3, Beixin Rd., Xindian Dist., New Taipei City 231, Taiwan, R.O.C

**FCC Registration /  
Designation Number:** 427177 / TW0011



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## Table of Contents

|                                                                 |           |
|-----------------------------------------------------------------|-----------|
| <b>Release Control Record .....</b>                             | <b>3</b>  |
| <b>1 Certificate of Conformity .....</b>                        | <b>4</b>  |
| <b>2 Summary of Test Results.....</b>                           | <b>5</b>  |
| 2.1 Measurement Uncertainty.....                                | 5         |
| 2.2 Test Site and Instruments .....                             | 6         |
| <b>3 General Information .....</b>                              | <b>7</b>  |
| 3.1 General Description of EUT .....                            | 7         |
| 3.2 Configuration of System under Test.....                     | 9         |
| 3.2.1 Description of Support Units.....                         | 9         |
| 3.3 Test Mode Applicability and Tested Channel Detail .....     | 9         |
| 3.4 EUT Operating Conditions .....                              | 12        |
| 3.5 General Description of Applied Standards.....               | 12        |
| <b>4 Test Types and Results.....</b>                            | <b>13</b> |
| 4.1 Output Power Measurement.....                               | 13        |
| 4.1.1 Limits of Output Power Measurement .....                  | 13        |
| 4.1.2 Test Procedures.....                                      | 13        |
| 4.1.3 Test Setup.....                                           | 14        |
| 4.1.4 Test Results .....                                        | 15        |
| 4.2 Radiated Emission Measurement.....                          | 30        |
| 4.2.1 Limits of Radiated Emission Measurement .....             | 30        |
| 4.2.2 Test Procedure .....                                      | 30        |
| 4.2.3 Deviation from Test Standard .....                        | 30        |
| 4.2.4 Test Setup.....                                           | 31        |
| 4.2.5 Test Results .....                                        | 32        |
| <b>5 Pictures of Test Arrangements.....</b>                     | <b>50</b> |
| <b>Appendix – Information on the Testing Laboratories .....</b> | <b>51</b> |

### Release Control Record

| Issue No.     | Description      | Date Issued   |
|---------------|------------------|---------------|
| RF180629C15-5 | Original Release | Aug. 16, 2018 |

## 1 Certificate of Conformity

**Product:** Gigabit RF Card

**Brand:** FOXCONN

**Test Model:** T77W980

**Sample Status:** Identical Prototype

**Applicant:** Lenovo(Shanghai) Electronics Technology Co., Ltd.

**Test Date:** Aug. 07, 2018 ~ Aug. 09, 2018

**Standards:** FCC Part 24, Subpart E

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

**Prepared by :** Gina Liu, **Date:** Aug. 16, 2018  
Gina Liu / Specialist

**Approved by :** Dylan Chiou, **Date:** Aug. 16, 2018  
Dylan Chiou / Project Engineer

## 2 Summary of Test Results

| Applied Standard: FCC Part 24 & Part 2 |                                    |        |                                                                                       |
|----------------------------------------|------------------------------------|--------|---------------------------------------------------------------------------------------|
| FCC Clause                             | Test Item                          | Result | Remarks                                                                               |
| 2.1046<br>24.232                       | Effective Isotropic Radiated Power | Pass   | Meet the requirement of limit.                                                        |
| 2.1047                                 | Modulation Characteristics         | N/A    | Refer to Note                                                                         |
| 2.1046<br>24.232(d)                    | Peak to Average Ratio              | N/A    | Refer to Note                                                                         |
| 2.1055<br>24.235                       | Frequency Stability                | N/A    | Refer to Note                                                                         |
| 2.1049<br>24.238(b)                    | Occupied Bandwidth                 | N/A    | Refer to Note                                                                         |
| 24.238(b)                              | Band Edge Measurements             | N/A    | Refer to Note                                                                         |
| 2.1051<br>24.238                       | Conducted Spurious Emissions       | N/A    | Refer to Note                                                                         |
| 2.1053<br>24.238                       | Radiated Spurious Emissions        | Pass   | Meet the requirement of limit.<br>Minimum passing margin is -36.68 dB at 3720.00 MHz. |

### Note:

This report is a Class II change Partial report. Therefore, only test item of Effective Radiated Power and Radiated Spurious Emissions tests were performed for this report. Other testing data please refer to BV CPS report no.: RF180503E05-1 for module (Brand: FOXCONN, Model: T77W980)

### 2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

| Measurement                    | Frequency          | Expanded Uncertainty (k=2) ( $\pm$ ) |
|--------------------------------|--------------------|--------------------------------------|
| Radiated Emissions up to 1 GHz | 30 MHz ~ 200 MHz   | 2.0153 dB                            |
|                                | 200 MHz ~ 1000 MHz | 2.0224 dB                            |
| Radiated Emissions above 1 GHz | 1 GHz ~ 18 GHz     | 1.0121 dB                            |
|                                | 18 GHz ~ 40 GHz    | 1.1508 dB                            |

## 2.2 Test Site and Instruments

| Description & Manufacturer                     | Model No.        | Serial No.                                                        | Date of Calibration | Due Date of Calibration |
|------------------------------------------------|------------------|-------------------------------------------------------------------|---------------------|-------------------------|
| Test Receiver<br>Agilent                       | N9038A           | MY51210203                                                        | Mar. 16, 2018       | Mar. 15, 2019           |
| Spectrum Analyzer<br>ROHDE & SCHWARZ           | FSU43            | 101261                                                            | Jan. 11, 2018       | Jan. 10, 2019           |
| BILOG Antenna<br>SCHWARZBECK                   | VULB 9168        | 9168-153                                                          | Dec. 06, 2017       | Dec. 05, 2018           |
| Double Ridge Guide Horn<br>Antenna EMCO        | 3115             | 5619                                                              | Nov. 30, 2017       | Nov. 29, 2018           |
| Fixed Attenuator<br>Mini-Circuits              | BW-N4W5+         | PAD-ATT4-01                                                       | Jan. 29, 2018       | Jan. 28, 2019           |
| MXG Vector signal<br>generator<br>Agilent      | N5182B           | MY53050430                                                        | Oct. 24, 2017       | Oct. 23, 2018           |
| Preamplifier<br>Agilent                        | 310N             | 187226                                                            | Jun. 19, 2018       | Jun. 18, 2019           |
| Preamplifier<br>Agilent                        | 83017A           | MY39501357                                                        | Jun. 19, 2018       | Jun. 18, 2019           |
| HORN Antenna<br>Schwarzbeck                    | BBHA 9120D       | BBHA 9120D                                                        | Dec. 12, 2017       | Dec. 11, 2018           |
| RF signal cable<br>ETS-LINDGREN                | 5D-FB            | Cable-CH1-01(RF<br>C-SMS-100-SMS-<br>120+RFC-SMS-1<br>00-SMS-400) | Jun. 19, 2018       | Jun. 18, 2019           |
| RF signal cable<br>ETS-LINDGREN                | 8D-FB            | Cable-CH1-02(RF<br>C-SMS-100-SMS-<br>24)                          | Jun. 19, 2018       | Jun. 18, 2019           |
| Boresight Antenna Fixture                      | FBA-01           | FBA-SIP01                                                         | NA                  | NA                      |
| Software<br>BV ADT                             | E3<br>8.130425b  | NA                                                                | NA                  | NA                      |
| Antenna Tower<br>MF                            | NA               | NA                                                                | NA                  | NA                      |
| Turn Table<br>MF                               | NA               | NA                                                                | NA                  | NA                      |
| Antenna Tower & Turn<br>Table Controller<br>MF | MF-7802          | NA                                                                | NA                  | NA                      |
| Communications<br>Tester-Wireless<br>Agilent   | 8960 Series 10   | MY53201073                                                        | Jun. 28, 2017       | Jun. 27, 2019           |
| Radio Communication<br>Analyzer<br>Anritsu     | MT8820C          | 6201010284                                                        | Dec. 28, 2017       | Dec. 27, 2018           |
| Temperature & Humidity<br>Chamber              | GTH-120-40-CP-AR | MAA1306-019                                                       | Sep. 08, 2017       | Sep. 07, 2018           |
| Digital Multimeter<br>Fluke                    | 87-III           | 70360742                                                          | Jun. 29, 2018       | Jun. 28, 2018           |

- Note:
1. The calibration interval of the above test instruments is 12 / 24 months and the calibrations are traceable to NML/ROC and NIST/USA.
  2. The test was performed in HsinTien Chamber 1.
  3. The horn antenna and preamplifier (model: 83017A) are used only for the measurement of emission frequency above 1 GHz if tested.
  4. The IC Site Registration No. is IC7450I-1.

### 3 General Information

#### 3.1 General Description of EUT

|                            |                                                            |                     |
|----------------------------|------------------------------------------------------------|---------------------|
| <b>Product</b>             | Gigabit RF Card                                            |                     |
| <b>Brand</b>               | FOXCONN                                                    |                     |
| <b>Test Model</b>          | T77W980                                                    |                     |
| <b>Status of EUT</b>       | Identical Prototype                                        |                     |
| <b>Power Supply Rating</b> | 20 / 15 / 9 / 5 Vdc (adapter)<br>7.68 Vdc (Li-ion battery) |                     |
| <b>Modulation Type</b>     | WCDMA                                                      | QPSK                |
|                            | LTE                                                        | QPSK, 16QAM, 64QAM  |
| <b>Frequency Range</b>     | WCDMA                                                      | 1852.4 ~ 1907.6 MHz |
|                            | LTE Band 2 (Channel Bandwidth: 1.4 MHz)                    | 1850.7 ~ 1909.3 MHz |
|                            | LTE Band 2 (Channel Bandwidth: 3 MHz)                      | 1851.5 ~ 1908.5 MHz |
|                            | LTE Band 2 (Channel Bandwidth: 5 MHz)                      | 1852.5 ~ 1907.5 MHz |
|                            | LTE Band 2 (Channel Bandwidth: 10 MHz)                     | 1855.0 ~ 1905.0 MHz |
|                            | LTE Band 2 (Channel Bandwidth: 15 MHz)                     | 1857.5 ~ 1902.5 MHz |
|                            | LTE Band 2 (Channel Bandwidth: 20 MHz)                     | 1860.0 ~ 1900.0 MHz |
|                            | LTE Band 25 (Channel Bandwidth: 1.4 MHz)                   | 1850.7 ~ 1914.3 MHz |
|                            | LTE Band 25 (Channel Bandwidth: 3 MHz)                     | 1851.5 ~ 1913.5 MHz |
|                            | LTE Band 25 (Channel Bandwidth: 5 MHz)                     | 1852.5 ~ 1912.5 MHz |
|                            | LTE Band 25 (Channel Bandwidth: 10 MHz)                    | 1855.0 ~ 1910.0 MHz |
|                            | LTE Band 25 (Channel Bandwidth: 15 MHz)                    | 1857.5 ~ 1907.5 MHz |
|                            | LTE Band 25 (Channel Bandwidth: 20 MHz)                    | 1860.0 ~ 1905.0 MHz |
| <b>Max. EIRP Power</b>     | WCDMA                                                      | 325.84 mW           |
|                            | LTE Band 2 (Channel Bandwidth: 1.4 MHz)                    | 287.08 mW           |
|                            | LTE Band 2 (Channel Bandwidth: 3 MHz)                      | 294.44 mW           |
|                            | LTE Band 2 (Channel Bandwidth: 5 MHz)                      | 303.39 mW           |
|                            | LTE Band 2 (Channel Bandwidth: 10 MHz)                     | 312.61 mW           |
|                            | LTE Band 2 (Channel Bandwidth: 15 MHz)                     | 267.92 mW           |
|                            | LTE Band 2 (Channel Bandwidth: 20 MHz)                     | 326.59 mW           |
|                            | LTE Band 25 (Channel Bandwidth: 1.4 MHz)                   | 302.69 mW           |
|                            | LTE Band 25 (Channel Bandwidth: 3 MHz)                     | 304.09 mW           |
|                            | LTE Band 25 (Channel Bandwidth: 5 MHz)                     | 315.50 mW           |
|                            | LTE Band 25 (Channel Bandwidth: 10 MHz)                    | 293.97 mW           |
|                            | LTE Band 25 (Channel Bandwidth: 15 MHz)                    | 303.39 mW           |
|                            | LTE Band 25 (Channel Bandwidth: 20 MHz)                    | 326.59 mW           |
| <b>Antenna Type</b>        | Refer to Note as below                                     |                     |
| <b>Accessory Device</b>    | Refer to Note as below                                     |                     |
| <b>Data Cable Supplied</b> | Refer to Note as below                                     |                     |

Note:

1. The change list for EUT is listed as below.

- Adding a specific host.
- Changing antenna.
- Changing SW (to disable LTE Band 71 and to disable CA\_38C for configurations of CA).

2. The End-product contains following accessory devices.

| Product     | Brand   | Model       | Description                                                                                   |
|-------------|---------|-------------|-----------------------------------------------------------------------------------------------|
| Adapter     | Lenovo  | ADLX45YLC3D | I/P: 100-240 Vac, 50-60 Hz, 1.3 A<br>O/P: 20 Vdc, 2.25 A / 15 Vdc, 3A / 9 Vdc, 2A / 5 Vdc, 2A |
| Battery     | Lenovo  | L17M4PH3    | 7.68 Vdc, 7680 mAh                                                                            |
| WWAN Module | FOXCONN | T77W980     | --                                                                                            |

3. The EUT is authorized for use in specific End-product. Please refer to below for more details.

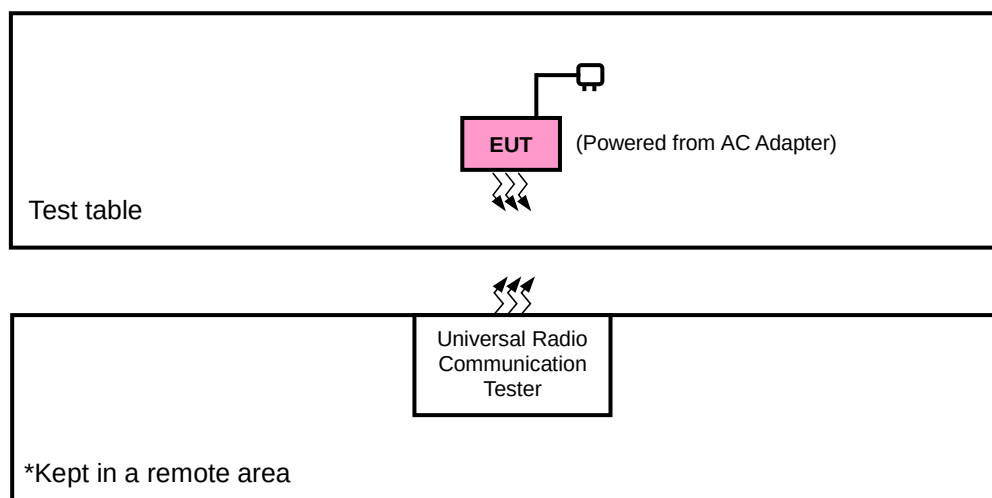
| Product           | Brand  | Model                                                                                                                                            |
|-------------------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Notebook Computer | Lenovo | Lenovo YOGA C630-13Q50*****, 81JL *****, (*=0~9, A~Z, a~z, "-" or blank, for marketing use only, with no impact on RF compliance of the product) |

| Antenna Type | Manufacturer     | Parts Number               | Antenna Gain |        |         |
|--------------|------------------|----------------------------|--------------|--------|---------|
|              |                  |                            | WCDMA II     | LTE B2 | LTE B25 |
| PIFA         | Tablet Mode      |                            |              |        |         |
|              | ACON Corporation | ANF6Y-100046 (DC330026L00) | -4.24        | -4.24  | -4.24   |
|              | Laptop Mode      |                            |              |        |         |
|              | ACON Corporation | ANF6Y-100046 (DC330026L00) | 0.15         | 0.15   | 0.15    |

4. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.



### 3.2 Configuration of System under Test



#### 3.2.1 Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units.

### 3.3 Test Mode Applicability and Tested Channel Detail

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis, and antenna ports.

The worst case was found when positioned as the table below. Following channel(s) was (were) selected for the final test as listed below:

| Band        | EIRP    | Radiated Emission |
|-------------|---------|-------------------|
| WCDMA       | Z-plane | Z-axis            |
| LTE Band 2  | Z-plane | Z-axis            |
| LTE Band 25 | X-plane | Z-axis            |

#### WCDMA

| EUT Configure Mode | Test Item                    | Available Channel | Tested Channel   | Mode  |
|--------------------|------------------------------|-------------------|------------------|-------|
| -                  | EIRP                         | 9262 to 9538      | 9262, 9400, 9538 | WCDMA |
| -                  | Radiated Emission Below 1GHz | 9262 to 9538      | 9262             | WCDMA |
| -                  | Radiated Emission Above 1GHz | 9262 to 9538      | 9262, 9400, 9538 | WCDMA |

## LTE Band 2

| EUT Configure Mode | Test Item                    | Available Channel | Tested Channel      | Channel Bandwidth | Modulation         | Mode               |
|--------------------|------------------------------|-------------------|---------------------|-------------------|--------------------|--------------------|
| -                  | EIRP                         | 18607 to 19193    | 18607, 18900, 19193 | 1.4 MHz           | QPSK, 16QAM, 64QAM | 1 RB / 0 RB Offset |
|                    |                              | 18615 to 19185    | 18615, 18900, 19185 | 3 MHz             | QPSK, 16QAM, 64QAM | 1 RB / 0 RB Offset |
|                    |                              | 18625 to 19175    | 18625, 18900, 19175 | 5 MHz             | QPSK, 16QAM, 64QAM | 1 RB / 0 RB Offset |
|                    |                              | 18650 to 19150    | 18650, 18900, 19150 | 10 MHz            | QPSK, 16QAM, 64QAM | 1 RB / 0 RB Offset |
|                    |                              | 18675 to 19125    | 18675, 18900, 19125 | 15 MHz            | QPSK, 16QAM, 64QAM | 1 RB / 0 RB Offset |
|                    |                              | 18700 to 19100    | 18700, 18900, 19100 | 20 MHz            | QPSK, 16QAM, 64QAM | 1 RB / 0 RB Offset |
| -                  | Radiated Emission Below 1GHz | 18700 to 19100    | 18700               | 20 MHz            | QPSK               | 1 RB / 0 RB Offset |
| -                  | Radiated Emission Above 1GHz | 18700 to 19100    | 18700, 18900, 19100 | 20 MHz            | QPSK               | 1 RB / 0 RB Offset |

**Note:** This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

## LTE Band 25

| EUT Configure Mode | Test Item                    | Available Channel | Tested Channel      | Channel Bandwidth | Modulation         | Mode               |
|--------------------|------------------------------|-------------------|---------------------|-------------------|--------------------|--------------------|
| -                  | EIRP                         | 26047 to 26683    | 26047, 26365, 26683 | 1.4 MHz           | QPSK, 16QAM, 64QAM | 1 RB / 0 RB Offset |
|                    |                              | 26055 to 26675    | 26055, 26365, 26675 | 3 MHz             | QPSK, 16QAM, 64QAM | 1 RB / 0 RB Offset |
|                    |                              | 26065 to 26665    | 26065, 26365, 26665 | 5 MHz             | QPSK, 16QAM, 64QAM | 1 RB / 0 RB Offset |
|                    |                              | 26090 to 26640    | 26090, 26365, 26640 | 10 MHz            | QPSK, 16QAM, 64QAM | 1 RB / 0 RB Offset |
|                    |                              | 26115 to 26615    | 26115, 26365, 26615 | 15 MHz            | QPSK, 16QAM, 64QAM | 1 RB / 0 RB Offset |
|                    |                              | 26140 to 26590    | 26140, 26365, 26590 | 20 MHz            | QPSK, 16QAM, 64QAM | 1 RB / 0 RB Offset |
| -                  | Radiated Emission Below 1GHz | 26140 to 26590    | 26365               | 20 MHz            | QPSK               | 1 RB / 0 RB Offset |
| -                  | Radiated Emission Above 1GHz | 26140 to 26590    | 26140, 26365, 26590 | 20 MHz            | QPSK               | 1 RB / 0 RB Offset |

**Note:** This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

### Test Condition:

| Test Item         | Environmental Conditions | Input Power    | Tested By             |
|-------------------|--------------------------|----------------|-----------------------|
| EIRP              | 26 deg. C, 58 % RH       | 120 Vac, 60 Hz | Karl Lee, Harry Hsueh |
| Radiated Emission | 25 deg. C, 65 % RH       | 120 Vac, 60 Hz | Karl Lee, Harry Hsueh |

### **3.4 EUT Operating Conditions**

The EUT makes a call to the communication simulator. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency

### **3.5 General Description of Applied Standards**

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

**FCC 47 CFR Part 2**

**FCC 47 CFR Part 24**

**KDB 971168 D01 Power Meas License Digital Systems v03r01**

**ANSI/TIA/EIA-603-E 2016**

**ANSI 63.26-2015**

**NOTE:** All test items have been performed and recorded as per the above standards.

## 4 Test Types and Results

### 4.1 Output Power Measurement

#### 4.1.1 Limits of Output Power Measurement

Mobile / Portable station are limited to 2 watts e.i.r.p.

#### 4.1.2 Test Procedures

##### **EIRP / ERP Measurement:**

- a. All measurements were done at low, middle and high operational frequency range. RBW and VBW is 1 MHz for GSM, GPRS & EDGE, 5 MHz for WCDMA and CDMA, and 10 MHz for LTE mode.
- b. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8 m (below or equal 1 GHz) and/or 1.5 m (above 1 GHz) height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- c. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a tx cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step b. Record the power level of S.G.
- d.  $EIRP = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$ . E.R.P power can be calculated from E.I.R.P power by subtracting the gain of dipole,  $E.R.P \text{ power} = E.I.R.P \text{ power} - 2.15 \text{ dB}$ .

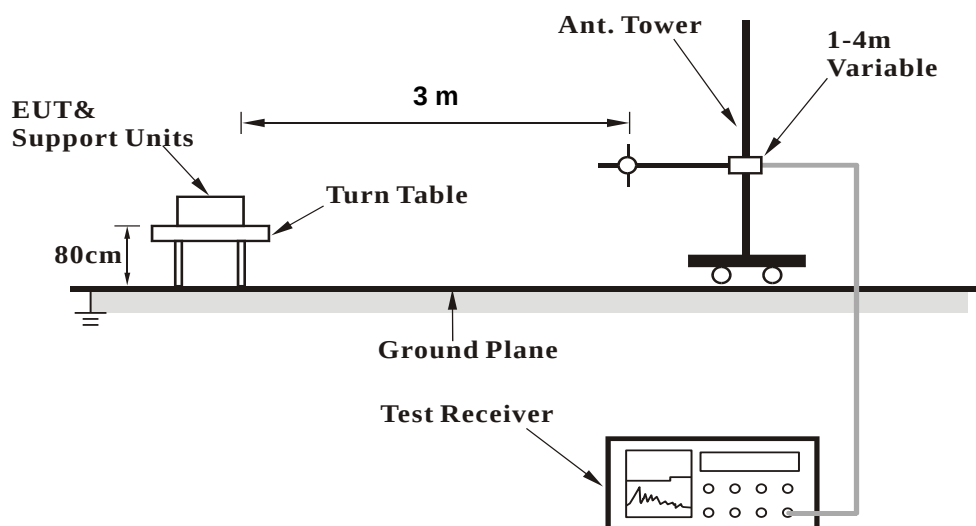
##### **Conducted Power Measurement:**

The EUT was set up for the maximum power with GSM, GPRS, EDGE, WCDMA, CDMA, and LTE link data modulation and link up with simulator. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

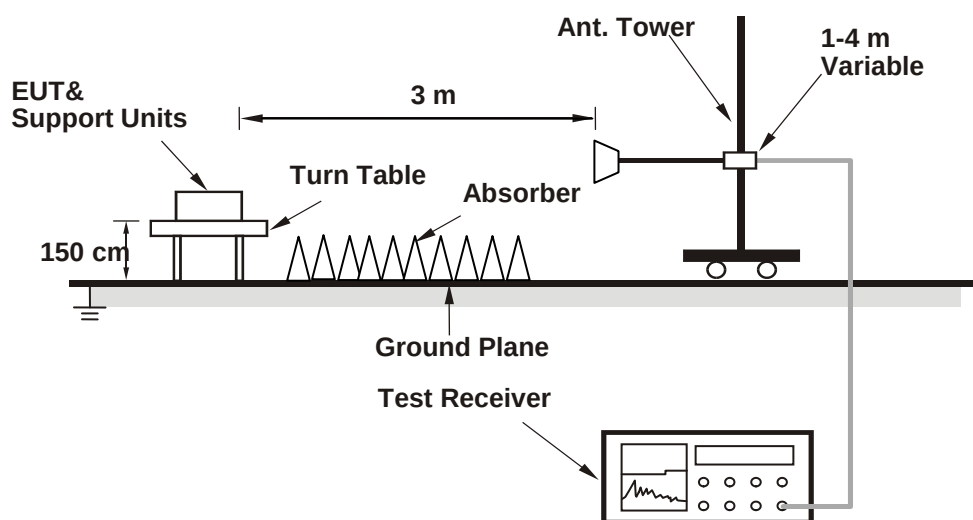
#### 4.1.3 Test Setup

##### EIRP / ERP Measurement:

<Radiated Emission below or equal 1 GHz>

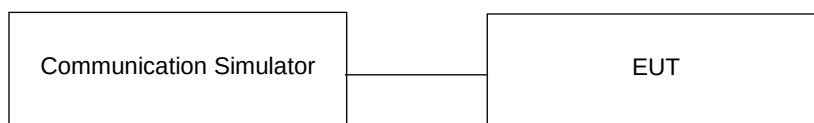


<Radiated Emission above 1 GHz>



For the actual test configuration, please refer to the attached file (Test Setup Photo).

##### Conducted Power Measurement:



#### 4.1.4 Test Results

##### Conducted Output Power (dBm)

| Band               | WCDMA II |        |        |
|--------------------|----------|--------|--------|
| Channel            | 9262     | 9400   | 9538   |
| Frequency (MHz)    | 1852.4   | 1880.0 | 1907.6 |
| RMC 12.2K          | 23.43    | 23.35  | 23.77  |
| HSDPA Subtest-1    | 22.31    | 22.23  | 22.65  |
| HSDPA Subtest-2    | 22.30    | 22.22  | 22.64  |
| HSDPA Subtest-3    | 21.98    | 21.90  | 22.32  |
| HSDPA Subtest-4    | 21.97    | 21.89  | 22.31  |
| DC-HSDPA Subtest-1 | 22.19    | 22.11  | 22.53  |
| DC-HSDPA Subtest-2 | 22.18    | 22.10  | 22.52  |
| DC-HSDPA Subtest-3 | 21.86    | 21.78  | 22.20  |
| DC-HSDPA Subtest-4 | 21.85    | 21.77  | 22.19  |
| HSUPA Subtest-1    | 22.34    | 22.26  | 22.68  |
| HSUPA Subtest-2    | 20.39    | 20.31  | 20.73  |
| HSUPA Subtest-3    | 21.37    | 21.29  | 21.71  |
| HSUPA Subtest-4    | 20.38    | 20.30  | 20.72  |
| HSUPA Subtest-5    | 22.41    | 22.33  | 22.75  |
| HSPA+ Subtest-1    | 19.86    | 19.78  | 20.20  |

| LTE Band 2 |           |                 |           |        |        |        |               |      |           |                 |           |        |        |        |               |
|------------|-----------|-----------------|-----------|--------|--------|--------|---------------|------|-----------|-----------------|-----------|--------|--------|--------|---------------|
| BW         | MCS Index | RB Size         | RB Offset | Low    | Mid    | High   | 3GPP MPR (dB) | BW   | MCS Index | RB Size         | RB Offset | Low    | Mid    | High   | 3GPP MPR (dB) |
|            |           | Channel         |           | 18700  | 18900  | 19100  |               |      |           | Channel         |           | 18675  | 18900  | 19125  |               |
|            |           | Frequency (MHz) |           | 1860.0 | 1880.0 | 1900.0 |               |      |           | Frequency (MHz) |           | 1857.5 | 1880.0 | 1902.5 |               |
| 20M        | QPSK      | 1               | 0         | 23.22  | 23.31  | 23.89  | 0             | 15M  | QPSK      | 1               | 0         | 23.17  | 23.26  | 23.84  | 0             |
|            |           | 1               | 50        | 23.12  | 23.21  | 23.79  | 0             |      |           | 1               | 37        | 23.07  | 23.16  | 23.74  | 0             |
|            |           | 1               | 99        | 23.06  | 23.15  | 23.73  | 0             |      |           | 1               | 74        | 23.01  | 23.10  | 23.68  | 0             |
|            |           | 50              | 0         | 22.27  | 22.36  | 22.94  | 1             |      |           | 36              | 0         | 22.22  | 22.31  | 22.89  | 1             |
|            |           | 50              | 25        | 22.17  | 22.26  | 22.84  | 1             |      |           | 36              | 19        | 22.12  | 22.21  | 22.79  | 1             |
|            |           | 50              | 50        | 22.08  | 22.17  | 22.75  | 1             |      |           | 36              | 39        | 22.03  | 22.12  | 22.70  | 1             |
|            |           | 100             | 0         | 22.20  | 22.29  | 22.87  | 1             |      |           | 75              | 0         | 22.15  | 22.24  | 22.82  | 1             |
|            |           | 1               | 0         | 22.23  | 22.32  | 22.90  | 1             |      | 16QAM     | 1               | 0         | 22.18  | 22.27  | 22.85  | 1             |
|            | 16QAM     | 1               | 50        | 22.13  | 22.22  | 22.80  | 1             |      |           | 1               | 37        | 22.08  | 22.17  | 22.75  | 1             |
|            |           | 1               | 99        | 22.07  | 22.16  | 22.74  | 1             |      |           | 1               | 74        | 22.02  | 22.11  | 22.69  | 1             |
|            |           | 50              | 0         | 21.28  | 21.37  | 21.95  | 2             |      |           | 36              | 0         | 21.23  | 21.32  | 21.90  | 2             |
|            |           | 50              | 25        | 21.18  | 21.27  | 21.85  | 2             |      |           | 36              | 19        | 21.13  | 21.22  | 21.80  | 2             |
|            |           | 50              | 50        | 21.09  | 21.18  | 21.76  | 2             |      |           | 36              | 39        | 21.04  | 21.13  | 21.71  | 2             |
|            |           | 100             | 0         | 21.21  | 21.30  | 21.88  | 2             |      |           | 75              | 0         | 21.16  | 21.25  | 21.83  | 2             |
|            |           | 1               | 0         | 21.22  | 21.31  | 21.89  | 2             |      | 64QAM     | 1               | 0         | 21.17  | 21.26  | 21.84  | 2             |
|            | 64QAM     | 1               | 50        | 21.12  | 21.21  | 21.79  | 2             |      |           | 1               | 37        | 21.07  | 21.16  | 21.74  | 2             |
|            |           | 1               | 99        | 21.06  | 21.15  | 21.73  | 2             |      |           | 1               | 74        | 21.01  | 21.10  | 21.68  | 2             |
|            |           | 50              | 0         | 20.27  | 20.36  | 20.94  | 3             |      |           | 36              | 0         | 20.22  | 20.31  | 20.89  | 3             |
|            |           | 50              | 25        | 20.17  | 20.26  | 20.84  | 3             |      |           | 36              | 19        | 20.12  | 20.21  | 20.79  | 3             |
|            |           | 50              | 50        | 20.08  | 20.17  | 20.75  | 3             |      |           | 36              | 39        | 20.03  | 20.12  | 20.70  | 3             |
|            |           | 100             | 0         | 20.20  | 20.29  | 20.87  | 3             |      |           | 75              | 0         | 20.15  | 20.24  | 20.82  | 3             |
|            |           | 1               | 0         | 20.22  | 20.31  | 20.89  | 3             |      |           | 1               | 0         | 20.17  | 20.26  | 20.84  | 3             |
| 10M        | QPSK      | 1               | 0         | 23.10  | 23.19  | 23.77  | 0             | 5M   | QPSK      | 1               | 0         | 23.07  | 23.16  | 23.74  | 0             |
|            |           | 1               | 24        | 23.00  | 23.09  | 23.67  | 0             |      |           | 1               | 12        | 22.97  | 23.06  | 23.64  | 0             |
|            |           | 1               | 49        | 22.94  | 23.03  | 23.61  | 0             |      |           | 1               | 24        | 22.91  | 23.00  | 23.58  | 0             |
|            |           | 25              | 0         | 22.15  | 22.24  | 22.82  | 1             |      |           | 12              | 0         | 22.12  | 22.21  | 22.79  | 1             |
|            |           | 25              | 12        | 22.05  | 22.14  | 22.72  | 1             |      |           | 12              | 6         | 22.02  | 22.11  | 22.69  | 1             |
|            |           | 25              | 25        | 21.96  | 22.05  | 22.63  | 1             |      |           | 12              | 13        | 21.93  | 22.02  | 22.60  | 1             |
|            |           | 50              | 0         | 22.08  | 22.17  | 22.75  | 1             |      |           | 25              | 0         | 22.05  | 22.14  | 22.72  | 1             |
|            |           | 1               | 0         | 22.11  | 22.20  | 22.78  | 1             |      | 16QAM     | 1               | 0         | 22.08  | 22.17  | 22.75  | 1             |
|            | 16QAM     | 1               | 24        | 22.01  | 22.10  | 22.68  | 1             |      |           | 1               | 12        | 21.98  | 22.07  | 22.65  | 1             |
|            |           | 1               | 49        | 21.95  | 22.04  | 22.62  | 1             |      |           | 1               | 24        | 21.92  | 22.01  | 22.59  | 1             |
|            |           | 25              | 0         | 21.16  | 21.25  | 21.83  | 2             |      |           | 12              | 0         | 21.13  | 21.22  | 21.80  | 2             |
|            |           | 25              | 12        | 21.06  | 21.15  | 21.73  | 2             |      |           | 12              | 6         | 21.03  | 21.12  | 21.70  | 2             |
|            |           | 25              | 25        | 20.97  | 21.06  | 21.64  | 2             |      |           | 12              | 13        | 20.94  | 21.03  | 21.61  | 2             |
|            |           | 50              | 0         | 21.09  | 21.18  | 21.76  | 2             |      |           | 25              | 0         | 21.06  | 21.15  | 21.73  | 2             |
|            |           | 1               | 0         | 21.10  | 21.19  | 21.77  | 2             |      | 64QAM     | 1               | 0         | 21.07  | 21.16  | 21.74  | 2             |
|            | 64QAM     | 1               | 24        | 21.00  | 21.09  | 21.67  | 2             |      |           | 1               | 12        | 20.97  | 21.06  | 21.64  | 2             |
|            |           | 1               | 49        | 20.94  | 21.03  | 21.61  | 2             |      |           | 1               | 24        | 20.91  | 21.00  | 21.58  | 2             |
|            |           | 25              | 0         | 20.15  | 20.24  | 20.82  | 3             |      |           | 12              | 0         | 20.12  | 20.21  | 20.79  | 3             |
|            |           | 25              | 12        | 20.05  | 20.14  | 20.72  | 3             |      |           | 12              | 6         | 20.02  | 20.11  | 20.69  | 3             |
|            |           | 25              | 25        | 19.96  | 20.05  | 20.63  | 3             |      |           | 12              | 13        | 19.93  | 20.02  | 20.60  | 3             |
|            |           | 50              | 0         | 20.08  | 20.17  | 20.75  | 3             |      |           | 25              | 0         | 20.05  | 20.14  | 20.72  | 3             |
|            |           | 1               | 0         | 20.10  | 20.19  | 20.77  | 3             |      |           | 1               | 0         | 20.12  | 20.21  | 20.79  | 3             |
| 3M         | QPSK      | 1               | 0         | 23.02  | 23.11  | 23.69  | 0             | 1.4M | QPSK      | 1               | 0         | 22.97  | 23.06  | 23.64  | 0             |
|            |           | 1               | 7         | 22.92  | 23.01  | 23.59  | 0             |      |           | 1               | 2         | 22.87  | 22.96  | 23.54  | 0             |
|            |           | 1               | 14        | 22.86  | 22.95  | 23.53  | 0             |      |           | 1               | 5         | 22.81  | 22.90  | 23.48  | 0             |
|            |           | 8               | 0         | 22.07  | 22.16  | 22.74  | 1             |      |           | 3               | 0         | 22.72  | 22.81  | 23.39  | 0             |
|            |           | 8               | 3         | 21.97  | 22.06  | 22.64  | 1             |      |           | 3               | 1         | 22.62  | 22.71  | 23.29  | 0             |
|            |           | 8               | 7         | 21.88  | 21.97  | 22.55  | 1             |      |           | 3               | 3         | 22.53  | 22.62  | 23.20  | 0             |
|            |           | 15              | 0         | 22.00  | 22.09  | 22.67  | 1             |      |           | 6               | 0         | 21.95  | 22.04  | 22.62  | 1             |
|            |           | 1               | 0         | 22.03  | 22.12  | 22.70  | 1             |      | 16QAM     | 1               | 0         | 22.03  | 22.12  | 22.70  | 1             |
|            | 16QAM     | 1               | 7         | 21.93  | 22.02  | 22.60  | 1             |      |           | 1               | 2         | 21.88  | 21.97  | 22.55  | 1             |
|            |           | 1               | 14        | 21.87  | 21.96  | 22.54  | 1             |      |           | 1               | 5         | 21.82  | 21.91  | 22.49  | 1             |
|            |           | 8               | 0         | 21.08  | 21.17  | 21.75  | 2             |      |           | 3               | 0         | 21.73  | 21.82  | 22.40  | 1             |
|            |           | 8               | 3         | 20.98  | 21.07  | 21.65  | 2             |      |           | 3               | 1         | 21.63  | 21.72  | 22.30  | 1             |
|            |           | 8               | 7         | 20.89  | 20.98  | 21.56  | 2             |      |           | 3               | 3         | 21.54  | 21.63  | 22.21  | 1             |
|            |           | 15              | 0         | 21.01  | 21.10  | 21.68  | 2             |      |           | 6               | 0         | 20.96  | 21.05  | 21.63  | 2             |
|            |           | 1               | 0         | 21.02  | 21.11  | 21.69  | 2             |      | 64QAM     | 1               | 0         | 20.97  | 21.06  | 21.64  | 2             |
|            | 64QAM     | 1               | 7         | 20.92  | 21.01  | 21.59  | 2             |      |           | 1               | 2         | 20.87  | 20.96  | 21.54  | 2             |
|            |           | 1               | 14        | 20.86  | 20.95  | 21.53  | 2             |      |           | 1               | 5         | 20.81  | 20.90  | 21.48  | 2             |
|            |           | 8               | 0         | 20.07  | 20.16  | 20.74  | 3             |      |           | 3               | 0         | 20.72  | 20.81  | 21.39  | 2             |
|            |           | 8               | 3         | 19.97  | 20.06  | 20.64  | 3             |      |           | 3               | 1         | 20.62  | 20.71  | 21.29  | 2             |
|            |           | 8               | 7         | 19.88  | 19.97  | 20.55  | 3             |      |           | 3               | 3         | 20.53  | 20.62  | 21.20  | 2             |
|            |           | 15              | 0         | 20.00  | 20.09  | 20.67  | 3             |      |           | 6               | 0         | 19.95  | 20.04  | 20.62  | 3             |



| LTE Band 25 |           |                 |           |        |        |        |               |      |           |                 |           |        |        |        |               |
|-------------|-----------|-----------------|-----------|--------|--------|--------|---------------|------|-----------|-----------------|-----------|--------|--------|--------|---------------|
| BW          | MCS Index | RB Size         | RB Offset | Low    | Mid    | High   | 3GPP MPR (dB) | BW   | MCS Index | RB Size         | RB Offset | Low    | Mid    | High   | 3GPP MPR (dB) |
|             |           | Channel         |           | 26140  | 26365  | 26590  |               |      |           | Channel         |           | 26115  | 26365  | 26615  |               |
|             |           | Frequency (MHz) |           | 1860.0 | 1882.5 | 1905.0 |               |      |           | Frequency (MHz) |           | 1857.5 | 1882.5 | 1907.5 |               |
| 20M         | QPSK      | 1               | 0         | 22.82  | 23.03  | 23.36  | 0             | 15M  | QPSK      | 1               | 0         | 22.75  | 22.96  | 23.29  | 0             |
|             |           | 1               | 50        | 22.67  | 22.88  | 23.21  | 0             |      |           | 1               | 37        | 22.60  | 22.81  | 23.14  | 0             |
|             |           | 1               | 99        | 22.61  | 22.82  | 23.15  | 0             |      |           | 1               | 74        | 22.54  | 22.75  | 23.08  | 0             |
|             |           | 50              | 0         | 21.71  | 21.92  | 22.25  | 1             |      |           | 36              | 0         | 21.64  | 21.85  | 22.18  | 1             |
|             |           | 50              | 25        | 21.62  | 21.83  | 22.16  | 1             |      |           | 36              | 19        | 21.55  | 21.76  | 22.09  | 1             |
|             |           | 50              | 50        | 21.61  | 21.82  | 22.15  | 1             |      |           | 36              | 39        | 21.54  | 21.75  | 22.08  | 1             |
|             |           | 100             | 0         | 21.64  | 21.85  | 22.18  | 1             |      |           | 75              | 0         | 21.57  | 21.78  | 22.11  | 1             |
|             |           | 1               | 0         | 21.80  | 22.01  | 22.34  | 1             |      | 16QAM     | 1               | 0         | 21.73  | 21.94  | 22.27  | 1             |
|             | 16QAM     | 1               | 50        | 21.65  | 21.86  | 22.19  | 1             |      |           | 1               | 37        | 21.58  | 21.79  | 22.12  | 1             |
|             |           | 1               | 99        | 21.59  | 21.80  | 22.13  | 1             |      |           | 1               | 74        | 21.52  | 21.73  | 22.06  | 1             |
|             |           | 50              | 0         | 20.69  | 20.90  | 21.23  | 2             |      |           | 36              | 0         | 20.62  | 20.83  | 21.16  | 2             |
|             |           | 50              | 25        | 20.60  | 20.81  | 21.14  | 2             |      |           | 36              | 19        | 20.53  | 20.74  | 21.07  | 2             |
|             |           | 50              | 50        | 20.59  | 20.80  | 21.13  | 2             |      |           | 36              | 39        | 20.52  | 20.73  | 21.06  | 2             |
|             |           | 100             | 0         | 20.62  | 20.83  | 21.16  | 2             |      |           | 75              | 0         | 20.55  | 20.76  | 21.09  | 2             |
|             |           | 1               | 0         | 20.72  | 20.93  | 21.26  | 2             |      | 64QAM     | 1               | 0         | 20.65  | 20.86  | 21.19  | 2             |
|             | 64QAM     | 1               | 50        | 20.57  | 20.78  | 21.11  | 2             |      |           | 1               | 37        | 20.50  | 20.71  | 21.04  | 2             |
|             |           | 1               | 99        | 20.51  | 20.72  | 21.05  | 2             |      |           | 1               | 74        | 20.44  | 20.65  | 20.98  | 2             |
|             |           | 50              | 0         | 19.61  | 19.82  | 20.15  | 3             |      |           | 36              | 0         | 19.54  | 19.75  | 20.08  | 3             |
|             |           | 50              | 25        | 19.52  | 19.73  | 20.06  | 3             |      |           | 36              | 19        | 19.45  | 19.66  | 19.99  | 3             |
|             |           | 50              | 50        | 19.51  | 19.72  | 20.05  | 3             |      |           | 36              | 39        | 19.44  | 19.65  | 19.98  | 3             |
|             |           | 100             | 0         | 19.54  | 19.75  | 20.08  | 3             |      |           | 75              | 0         | 19.47  | 19.68  | 20.01  | 3             |
|             |           | 1               | 0         | 20.72  | 20.93  | 21.26  | 2             |      |           | 1               | 0         | 20.65  | 20.86  | 21.19  | 2             |
| 10M         | QPSK      | 1               | 0         | 22.69  | 22.90  | 23.23  | 0             | 5M   | QPSK      | 1               | 0         | 22.64  | 22.85  | 23.18  | 0             |
|             |           | 1               | 24        | 22.54  | 22.75  | 23.08  | 0             |      |           | 1               | 12        | 22.49  | 22.70  | 23.03  | 0             |
|             |           | 1               | 49        | 22.48  | 22.69  | 23.02  | 0             |      |           | 1               | 24        | 22.43  | 22.64  | 22.97  | 0             |
|             |           | 25              | 0         | 21.58  | 21.79  | 22.12  | 1             |      |           | 12              | 0         | 21.53  | 21.74  | 22.07  | 1             |
|             |           | 25              | 12        | 21.49  | 21.70  | 22.03  | 1             |      |           | 12              | 6         | 21.44  | 21.65  | 21.98  | 1             |
|             |           | 25              | 25        | 21.48  | 21.69  | 22.02  | 1             |      |           | 12              | 13        | 21.43  | 21.64  | 21.97  | 1             |
|             |           | 50              | 0         | 21.51  | 21.72  | 22.05  | 1             |      |           | 25              | 0         | 21.46  | 21.67  | 22.00  | 1             |
|             |           | 1               | 0         | 21.67  | 21.88  | 22.21  | 1             |      | 16QAM     | 1               | 0         | 21.62  | 21.83  | 22.16  | 1             |
|             | 16QAM     | 1               | 24        | 21.52  | 21.73  | 22.06  | 1             |      |           | 1               | 12        | 21.47  | 21.68  | 22.01  | 1             |
|             |           | 1               | 49        | 21.46  | 21.67  | 22.00  | 1             |      |           | 1               | 24        | 21.41  | 21.62  | 21.95  | 1             |
|             |           | 25              | 0         | 20.56  | 20.77  | 21.10  | 2             |      |           | 12              | 0         | 20.51  | 20.72  | 21.05  | 2             |
|             |           | 25              | 12        | 20.47  | 20.68  | 21.01  | 2             |      |           | 12              | 6         | 20.42  | 20.63  | 20.96  | 2             |
|             |           | 25              | 25        | 20.46  | 20.67  | 21.00  | 2             |      |           | 12              | 13        | 20.41  | 20.62  | 20.95  | 2             |
|             |           | 50              | 0         | 20.49  | 20.70  | 21.03  | 2             |      |           | 25              | 0         | 20.44  | 20.65  | 20.98  | 2             |
|             |           | 1               | 0         | 20.59  | 20.80  | 21.13  | 2             |      | 64QAM     | 1               | 0         | 20.54  | 20.75  | 21.08  | 2             |
|             | 64QAM     | 1               | 24        | 20.44  | 20.65  | 20.98  | 2             |      |           | 1               | 12        | 20.39  | 20.60  | 20.93  | 2             |
|             |           | 1               | 49        | 20.38  | 20.59  | 20.92  | 2             |      |           | 1               | 24        | 20.33  | 20.54  | 20.87  | 2             |
|             |           | 25              | 0         | 19.48  | 19.69  | 20.02  | 3             |      |           | 12              | 0         | 19.43  | 19.64  | 19.97  | 3             |
|             |           | 25              | 12        | 19.39  | 19.60  | 19.93  | 3             |      |           | 12              | 6         | 19.34  | 19.55  | 19.88  | 3             |
|             |           | 25              | 25        | 19.38  | 19.59  | 19.92  | 3             |      |           | 12              | 13        | 19.33  | 19.54  | 19.87  | 3             |
|             |           | 50              | 0         | 19.41  | 19.62  | 19.95  | 3             |      |           | 25              | 0         | 19.36  | 19.57  | 19.90  | 3             |
|             |           | 1               | 0         | 20.59  | 20.80  | 21.13  | 2             |      |           | 1               | 0         | 20.54  | 20.75  | 21.08  | 2             |
| 3M          | QPSK      | 1               | 0         | 22.59  | 22.80  | 23.13  | 0             | 1.4M | QPSK      | 1               | 0         | 23.49  | 23.37  | 23.47  | 0             |
|             |           | 1               | 7         | 22.44  | 22.65  | 22.98  | 0             |      |           | 1               | 2         | 23.45  | 23.33  | 23.43  | 0             |
|             |           | 1               | 14        | 22.38  | 22.59  | 22.92  | 0             |      |           | 1               | 5         | 23.40  | 23.28  | 23.38  | 0             |
|             |           | 8               | 0         | 21.48  | 21.69  | 22.02  | 1             |      |           | 3               | 0         | 22.55  | 22.43  | 22.53  | 0             |
|             |           | 8               | 3         | 21.39  | 21.60  | 21.93  | 1             |      |           | 3               | 1         | 22.52  | 22.40  | 22.50  | 0             |
|             |           | 8               | 7         | 21.38  | 21.59  | 21.92  | 1             |      |           | 3               | 3         | 22.50  | 22.38  | 22.48  | 0             |
|             |           | 15              | 0         | 21.41  | 21.62  | 21.95  | 1             |      |           | 6               | 0         | 22.51  | 22.39  | 22.49  | 1             |
|             |           | 1               | 0         | 21.57  | 21.78  | 22.11  | 1             |      | 16QAM     | 1               | 0         | 22.46  | 22.34  | 22.44  | 1             |
|             | 16QAM     | 1               | 7         | 21.42  | 21.63  | 21.96  | 1             |      |           | 1               | 2         | 22.42  | 22.30  | 22.40  | 1             |
|             |           | 1               | 14        | 21.36  | 21.57  | 21.90  | 1             |      |           | 1               | 5         | 22.37  | 22.25  | 22.35  | 1             |
|             |           | 8               | 0         | 20.46  | 20.67  | 21.00  | 2             |      |           | 3               | 0         | 21.52  | 21.40  | 21.50  | 1             |
|             |           | 8               | 3         | 20.37  | 20.58  | 20.91  | 2             |      |           | 3               | 1         | 21.49  | 21.37  | 21.47  | 1             |
|             |           | 8               | 7         | 20.36  | 20.57  | 20.90  | 2             |      |           | 3               | 3         | 21.47  | 21.35  | 21.45  | 1             |
|             |           | 15              | 0         | 20.39  | 20.60  | 20.93  | 2             |      |           | 6               | 0         | 21.48  | 21.36  | 21.46  | 2             |
|             |           | 1               | 0         | 20.49  | 20.70  | 21.03  | 2             |      | 64QAM     | 1               | 0         | 21.48  | 21.36  | 21.46  | 2             |
|             | 64QAM     | 1               | 7         | 20.34  | 20.55  | 20.88  | 2             |      |           | 1               | 2         | 21.44  | 21.32  | 21.42  | 2             |
|             |           | 1               | 14        | 20.28  | 20.49  | 20.82  | 2             |      |           | 1               | 5         | 21.39  | 21.27  | 21.37  | 2             |
|             |           | 8               | 0         | 19.38  | 19.59  | 19.92  | 3             |      |           | 3               | 0         | 20.54  | 20.42  | 20.52  | 2             |
|             |           | 8               | 3         | 19.29  | 19.50  | 19.83  | 3             |      |           | 3               | 1         | 20.51  | 20.39  | 20.49  | 2             |
|             |           | 8               | 7         | 19.28  | 19.49  | 19.82  | 3             |      |           | 3               | 3         | 20.49  | 20.37  | 20.47  | 2             |
|             |           | 15              | 0         | 19.31  | 19.52  | 19.85  | 3             |      |           | 6               | 0         | 20.50  | 20.38  | 20.48  | 3             |
|             |           | 1               | 0         | 20.59  | 20.80  | 21.13  | 2             |      |           | 1               | 0         | 20.54  | 20.75  | 21.08  | 2             |

### EIRP Power (dBm)

| WCDMA |         |                 |               |                        |            |           |                    |
|-------|---------|-----------------|---------------|------------------------|------------|-----------|--------------------|
| Plane | Channel | Frequency (MHz) | Reading (dBm) | Correction Factor (dB) | EIRP (dBm) | EIRP (mW) | Polarization (H/V) |
| Z     | 9262    | 1852.4          | -13.10        | 38.19                  | 25.09      | 322.85    | H                  |
|       | 9400    | 1880.0          | -13.67        | 38.70                  | 25.03      | 318.42    |                    |
|       | 9538    | 1907.6          | -14.22        | 39.35                  | 25.13      | 325.84    |                    |
|       | 9262    | 1852.4          | -17.38        | 38.48                  | 21.10      | 128.82    | V                  |
|       | 9400    | 1880.0          | -17.54        | 38.59                  | 21.05      | 127.35    |                    |
|       | 9538    | 1907.6          | -17.72        | 38.87                  | 21.15      | 130.32    |                    |

Note: EIRP (dBm) = Reading (dBm) + Correction Factor (dB)

| LTE Band 2                         |         |                 |               |                        |            |           |                    |
|------------------------------------|---------|-----------------|---------------|------------------------|------------|-----------|--------------------|
| Channel Bandwidth: 1.4 MHz / QPSK  |         |                 |               |                        |            |           |                    |
| Plane                              | Channel | Frequency (MHz) | Reading (dBm) | Correction Factor (dB) | EIRP (dBm) | EIRP (mW) | Polarization (H/V) |
| Z                                  | 18607   | 1850.7          | -20.12        | 44.70                  | 24.58      | 287.08    | H                  |
|                                    | 18900   | 1880.0          | -20.14        | 44.70                  | 24.56      | 285.76    |                    |
|                                    | 19193   | 1909.3          | -20.42        | 44.57                  | 24.15      | 260.20    |                    |
|                                    | 18607   | 1850.7          | -23.56        | 44.27                  | 20.71      | 117.76    | V                  |
|                                    | 18900   | 1880.0          | -23.99        | 44.87                  | 20.88      | 122.46    |                    |
|                                    | 19193   | 1909.3          | -24.12        | 44.61                  | 20.49      | 112.02    |                    |
| Channel Bandwidth: 1.4 MHz / 16QAM |         |                 |               |                        |            |           |                    |
| Z                                  | 18607   | 1850.7          | -20.77        | 44.70                  | 23.93      | 247.17    | H                  |
|                                    | 18900   | 1880.0          | -20.85        | 44.70                  | 23.85      | 242.66    |                    |
|                                    | 19193   | 1909.3          | -20.81        | 44.57                  | 23.76      | 237.63    |                    |
|                                    | 18607   | 1850.7          | -24.58        | 44.27                  | 19.69      | 93.11     | V                  |
|                                    | 18900   | 1880.0          | -24.98        | 44.87                  | 19.89      | 97.50     |                    |
|                                    | 19193   | 1909.3          | -24.88        | 44.61                  | 19.73      | 94.04     |                    |
| Channel Bandwidth: 1.4 MHz / 64QAM |         |                 |               |                        |            |           |                    |
| Z                                  | 18607   | 1850.7          | -21.89        | 44.70                  | 22.81      | 190.99    | H                  |
|                                    | 18900   | 1880.0          | -21.91        | 44.70                  | 22.79      | 190.11    |                    |
|                                    | 19193   | 1909.3          | -21.85        | 44.57                  | 22.72      | 187.20    |                    |
|                                    | 18607   | 1850.7          | -25.65        | 44.27                  | 18.62      | 72.78     | V                  |
|                                    | 18900   | 1880.0          | -25.98        | 44.87                  | 18.89      | 77.45     |                    |
|                                    | 19193   | 1909.3          | -25.87        | 44.61                  | 18.74      | 74.87     |                    |

Note: EIRP (dBm) = Reading (dBm) + Correction Factor (dB)

| LTE Band 2                       |         |                 |               |                        |            |           |                    |
|----------------------------------|---------|-----------------|---------------|------------------------|------------|-----------|--------------------|
| Channel Bandwidth: 3 MHz / QPSK  |         |                 |               |                        |            |           |                    |
| Plane                            | Channel | Frequency (MHz) | Reading (dBm) | Correction Factor (dB) | EIRP (dBm) | EIRP (mW) | Polarization (H/V) |
| Z                                | 18615   | 1851.5          | -20.01        | 44.70                  | 24.69      | 294.44    | H                  |
|                                  | 18900   | 1880.0          | -20.55        | 44.70                  | 24.15      | 260.02    |                    |
|                                  | 19185   | 1908.5          | -20.16        | 44.57                  | 24.42      | 276.50    |                    |
|                                  | 18615   | 1851.5          | -23.84        | 44.27                  | 20.43      | 110.41    | V                  |
|                                  | 18900   | 1880.0          | -23.91        | 44.87                  | 20.96      | 124.74    |                    |
|                                  | 19185   | 1908.5          | -24.10        | 44.61                  | 20.51      | 112.54    |                    |
| Channel Bandwidth: 3 MHz / 16QAM |         |                 |               |                        |            |           |                    |
| Z                                | 18615   | 1851.5          | -20.94        | 44.70                  | 23.76      | 237.68    | H                  |
|                                  | 18900   | 1880.0          | -21.12        | 44.70                  | 23.58      | 228.03    |                    |
|                                  | 19185   | 1908.5          | -21.55        | 44.57                  | 23.02      | 200.59    |                    |
|                                  | 18615   | 1851.5          | -24.52        | 44.27                  | 19.75      | 94.41     | V                  |
|                                  | 18900   | 1880.0          | -25.12        | 44.87                  | 19.75      | 94.41     |                    |
|                                  | 19185   | 1908.5          | -25.27        | 44.61                  | 19.35      | 86.04     |                    |
| Channel Bandwidth: 3 MHz / 64QAM |         |                 |               |                        |            |           |                    |
| Z                                | 18615   | 1851.5          | -21.75        | 44.70                  | 22.95      | 197.24    | H                  |
|                                  | 18900   | 1880.0          | -21.77        | 44.70                  | 22.93      | 196.34    |                    |
|                                  | 19185   | 1908.5          | -21.68        | 44.57                  | 22.89      | 194.67    |                    |
|                                  | 18615   | 1851.5          | -25.52        | 44.27                  | 18.75      | 74.99     | V                  |
|                                  | 18900   | 1880.0          | -25.95        | 44.87                  | 18.92      | 77.98     |                    |
|                                  | 19185   | 1908.5          | -26.21        | 44.61                  | 18.40      | 69.23     |                    |

Note: EIRP (dBm) = Reading (dBm) + Correction Factor (dB)

| LTE Band 2                       |         |                 |               |                        |            |           |                    |
|----------------------------------|---------|-----------------|---------------|------------------------|------------|-----------|--------------------|
| Channel Bandwidth: 5 MHz / QPSK  |         |                 |               |                        |            |           |                    |
| Plane                            | Channel | Frequency (MHz) | Reading (dBm) | Correction Factor (dB) | EIRP (dBm) | EIRP (mW) | Polarization (H/V) |
| Z                                | 18625   | 1852.5          | -19.88        | 44.70                  | 24.82      | 303.39    | H                  |
|                                  | 18900   | 1880.0          | -20.12        | 44.70                  | 24.58      | 287.08    |                    |
|                                  | 19175   | 1907.5          | -20.35        | 44.57                  | 24.22      | 264.42    |                    |
|                                  | 18625   | 1852.5          | -24.01        | 44.27                  | 20.26      | 106.17    | V                  |
|                                  | 18900   | 1880.0          | -24.25        | 44.87                  | 20.62      | 115.35    |                    |
|                                  | 19175   | 1907.5          | -23.75        | 44.61                  | 20.86      | 121.98    |                    |
| Channel Bandwidth: 5 MHz / 16QAM |         |                 |               |                        |            |           |                    |
| Z                                | 18625   | 1852.5          | -20.89        | 44.70                  | 23.81      | 240.44    | H                  |
|                                  | 18900   | 1880.0          | -21.14        | 44.70                  | 23.56      | 226.99    |                    |
|                                  | 19175   | 1907.5          | -21.19        | 44.57                  | 23.38      | 217.92    |                    |
|                                  | 18625   | 1852.5          | -24.85        | 44.27                  | 19.42      | 87.50     | V                  |
|                                  | 18900   | 1880.0          | -25.32        | 44.87                  | 19.55      | 90.16     |                    |
|                                  | 19175   | 1907.5          | -24.78        | 44.61                  | 19.83      | 96.23     |                    |
| Channel Bandwidth: 5 MHz / 64QAM |         |                 |               |                        |            |           |                    |
| Z                                | 18625   | 1852.5          | -21.88        | 44.70                  | 22.82      | 191.43    | H                  |
|                                  | 18900   | 1880.0          | -21.78        | 44.70                  | 22.92      | 195.88    |                    |
|                                  | 19175   | 1907.5          | -21.81        | 44.57                  | 22.76      | 188.93    |                    |
|                                  | 18625   | 1852.5          | -25.56        | 44.27                  | 18.71      | 74.30     | V                  |
|                                  | 18900   | 1880.0          | -26.12        | 44.87                  | 18.75      | 74.99     |                    |
|                                  | 19175   | 1907.5          | -25.96        | 44.61                  | 18.65      | 73.33     |                    |

Note: EIRP (dBm) = Reading (dBm) + Correction Factor (dB)

| LTE Band 2                        |         |                 |               |                        |            |           |                    |
|-----------------------------------|---------|-----------------|---------------|------------------------|------------|-----------|--------------------|
| Channel Bandwidth: 10 MHz / QPSK  |         |                 |               |                        |            |           |                    |
| Plane                             | Channel | Frequency (MHz) | Reading (dBm) | Correction Factor (dB) | EIRP (dBm) | EIRP (mW) | Polarization (H/V) |
| Z                                 | 18650   | 1855.0          | -20.23        | 44.70                  | 24.47      | 279.90    | H                  |
|                                   | 18900   | 1880.0          | -19.75        | 44.70                  | 24.95      | 312.61    |                    |
|                                   | 19150   | 1905.0          | -19.88        | 44.57                  | 24.69      | 294.65    |                    |
|                                   | 18650   | 1855.0          | -23.78        | 44.27                  | 20.49      | 111.94    | V                  |
|                                   | 18900   | 1880.0          | -24.12        | 44.87                  | 20.75      | 118.85    |                    |
|                                   | 19150   | 1905.0          | -23.89        | 44.61                  | 20.72      | 118.11    |                    |
| Channel Bandwidth: 10 MHz / 16QAM |         |                 |               |                        |            |           |                    |
| Z                                 | 18650   | 1855.0          | -21.62        | 44.70                  | 23.08      | 203.24    | H                  |
|                                   | 18900   | 1880.0          | -21.45        | 44.70                  | 23.25      | 211.35    |                    |
|                                   | 19150   | 1905.0          | -21.52        | 44.57                  | 23.05      | 201.98    |                    |
|                                   | 18650   | 1855.0          | -24.95        | 44.27                  | 19.32      | 85.51     | V                  |
|                                   | 18900   | 1880.0          | -25.60        | 44.87                  | 19.27      | 84.53     |                    |
|                                   | 19150   | 1905.0          | -25.00        | 44.61                  | 19.61      | 91.50     |                    |
| Channel Bandwidth: 10 MHz / 64QAM |         |                 |               |                        |            |           |                    |
| Z                                 | 18650   | 1855.0          | -22.12        | 44.70                  | 22.58      | 181.13    | H                  |
|                                   | 18900   | 1880.0          | -21.87        | 44.70                  | 22.83      | 191.87    |                    |
|                                   | 19150   | 1905.0          | -21.91        | 44.57                  | 22.66      | 184.63    |                    |
|                                   | 18650   | 1855.0          | -26.14        | 44.27                  | 18.13      | 65.01     | V                  |
|                                   | 18900   | 1880.0          | -25.90        | 44.87                  | 18.97      | 78.89     |                    |
|                                   | 19150   | 1905.0          | -25.88        | 44.61                  | 18.73      | 74.70     |                    |

Note: EIRP (dBm) = Reading (dBm) + Correction Factor (dB)

| LTE Band 2                        |         |                 |               |                        |            |           |                    |
|-----------------------------------|---------|-----------------|---------------|------------------------|------------|-----------|--------------------|
| Channel Bandwidth: 15 MHz / QPSK  |         |                 |               |                        |            |           |                    |
| Plane                             | Channel | Frequency (MHz) | Reading (dBm) | Correction Factor (dB) | EIRP (dBm) | EIRP (mW) | Polarization (H/V) |
| Z                                 | 18675   | 1857.5          | -20.68        | 44.70                  | 24.02      | 252.35    | H                  |
|                                   | 18900   | 1880.0          | -20.42        | 44.70                  | 24.28      | 267.92    |                    |
|                                   | 19125   | 1902.5          | -20.57        | 44.57                  | 24.00      | 251.36    |                    |
|                                   | 18675   | 1857.5          | -23.70        | 44.27                  | 20.57      | 114.02    | V                  |
|                                   | 18900   | 1880.0          | -23.95        | 44.87                  | 20.92      | 123.48    |                    |
|                                   | 19125   | 1902.5          | -23.84        | 44.61                  | 20.77      | 119.42    |                    |
| Channel Bandwidth: 15 MHz / 16QAM |         |                 |               |                        |            |           |                    |
| Z                                 | 18675   | 1857.5          | -21.62        | 44.70                  | 23.08      | 203.24    | H                  |
|                                   | 18900   | 1880.0          | -21.51        | 44.70                  | 23.19      | 208.45    |                    |
|                                   | 19125   | 1902.5          | -20.85        | 44.57                  | 23.72      | 235.67    |                    |
|                                   | 18675   | 1857.5          | -25.21        | 44.27                  | 19.06      | 80.54     | V                  |
|                                   | 18900   | 1880.0          | -25.40        | 44.87                  | 19.47      | 88.59     |                    |
|                                   | 19125   | 1902.5          | -24.94        | 44.61                  | 19.67      | 92.73     |                    |
| Channel Bandwidth: 15 MHz / 64QAM |         |                 |               |                        |            |           |                    |
| Z                                 | 18675   | 1857.5          | -21.93        | 44.70                  | 22.77      | 189.23    | H                  |
|                                   | 18900   | 1880.0          | -21.89        | 44.70                  | 22.81      | 190.99    |                    |
|                                   | 19125   | 1902.5          | -21.76        | 44.57                  | 22.81      | 191.12    |                    |
|                                   | 18675   | 1857.5          | -26.20        | 44.27                  | 18.07      | 64.12     | V                  |
|                                   | 18900   | 1880.0          | -25.91        | 44.87                  | 18.96      | 78.70     |                    |
|                                   | 19125   | 1902.5          | -25.87        | 44.61                  | 18.74      | 74.87     |                    |

Note: EIRP (dBm) = Reading (dBm) + Correction Factor (dB)

| LTE Band 2                        |         |                 |               |                        |            |           |                    |
|-----------------------------------|---------|-----------------|---------------|------------------------|------------|-----------|--------------------|
| Channel Bandwidth: 20 MHz / QPSK  |         |                 |               |                        |            |           |                    |
| Plane                             | Channel | Frequency (MHz) | Reading (dBm) | Correction Factor (dB) | EIRP (dBm) | EIRP (mW) | Polarization (H/V) |
| Z                                 | 18700   | 1860.0          | -19.56        | 44.70                  | 25.14      | 326.59    | H                  |
|                                   | 18900   | 1880.0          | -20.65        | 44.70                  | 24.05      | 254.10    |                    |
|                                   | 19100   | 1900.0          | -19.87        | 44.57                  | 24.70      | 295.32    |                    |
|                                   | 18700   | 1860.0          | -23.81        | 44.27                  | 20.46      | 111.17    | V                  |
|                                   | 18900   | 1880.0          | -24.22        | 44.87                  | 20.65      | 116.14    |                    |
|                                   | 19100   | 1900.0          | -24.36        | 44.61                  | 20.25      | 106.00    |                    |
| Channel Bandwidth: 20 MHz / 16QAM |         |                 |               |                        |            |           |                    |
| Z                                 | 18700   | 1860.0          | -21.23        | 44.70                  | 23.47      | 222.33    | H                  |
|                                   | 18900   | 1880.0          | -20.65        | 44.70                  | 24.05      | 254.10    |                    |
|                                   | 19100   | 1900.0          | -21.57        | 44.57                  | 23.00      | 199.48    |                    |
|                                   | 18700   | 1860.0          | -25.01        | 44.27                  | 19.26      | 84.33     | V                  |
|                                   | 18900   | 1880.0          | -24.89        | 44.87                  | 19.98      | 99.54     |                    |
|                                   | 19100   | 1900.0          | -24.91        | 44.61                  | 19.70      | 93.39     |                    |
| Channel Bandwidth: 20 MHz / 64QAM |         |                 |               |                        |            |           |                    |
| Z                                 | 18700   | 1860.0          | -21.65        | 44.70                  | 23.05      | 201.84    | H                  |
|                                   | 18900   | 1880.0          | -22.00        | 44.70                  | 22.70      | 186.21    |                    |
|                                   | 19100   | 1900.0          | -22.41        | 44.57                  | 22.16      | 164.55    |                    |
|                                   | 18700   | 1860.0          | -25.86        | 44.27                  | 18.41      | 69.34     | V                  |
|                                   | 18900   | 1880.0          | -25.91        | 44.87                  | 18.96      | 78.70     |                    |
|                                   | 19100   | 1900.0          | -25.78        | 44.61                  | 18.83      | 76.44     |                    |

Note: EIRP (dBm) = Reading (dBm) + Correction Factor (dB)

| LTE Band 25                        |         |                 |               |                        |            |           |                    |
|------------------------------------|---------|-----------------|---------------|------------------------|------------|-----------|--------------------|
| Channel Bandwidth: 1.4 MHz / QPSK  |         |                 |               |                        |            |           |                    |
| Plane                              | Channel | Frequency (MHz) | Reading (dBm) | Correction Factor (dB) | EIRP (dBm) | EIRP (mW) | Polarization (H/V) |
| X                                  | 26047   | 1850.7          | -19.89        | 44.70                  | 24.81      | 302.69    | H                  |
|                                    | 26365   | 1882.5          | -20.12        | 44.70                  | 24.58      | 287.08    |                    |
|                                    | 26683   | 1914.3          | -19.78        | 44.57                  | 24.79      | 301.51    |                    |
|                                    | 26047   | 1850.7          | -23.36        | 44.27                  | 20.91      | 123.42    | V                  |
|                                    | 26365   | 1882.5          | -24.58        | 44.87                  | 20.29      | 106.91    |                    |
|                                    | 26683   | 1914.3          | -23.97        | 44.61                  | 20.64      | 115.96    |                    |
| Channel Bandwidth: 1.4 MHz / 16QAM |         |                 |               |                        |            |           |                    |
| X                                  | 26047   | 1850.7          | -20.85        | 44.70                  | 23.85      | 242.66    | H                  |
|                                    | 26365   | 1882.5          | -20.91        | 44.70                  | 23.79      | 239.22    |                    |
|                                    | 26683   | 1914.3          | -20.66        | 44.57                  | 23.91      | 246.21    |                    |
|                                    | 26047   | 1850.7          | -24.58        | 44.27                  | 19.69      | 93.11     | V                  |
|                                    | 26365   | 1882.5          | -25.23        | 44.87                  | 19.64      | 92.04     |                    |
|                                    | 26683   | 1914.3          | -25.27        | 44.61                  | 19.34      | 85.96     |                    |
| Channel Bandwidth: 1.4 MHz / 64QAM |         |                 |               |                        |            |           |                    |
| X                                  | 26047   | 1850.7          | -21.79        | 44.70                  | 22.91      | 195.43    | H                  |
|                                    | 26365   | 1882.5          | -21.95        | 44.70                  | 22.75      | 188.36    |                    |
|                                    | 26683   | 1914.3          | -21.78        | 44.57                  | 22.79      | 190.24    |                    |
|                                    | 26047   | 1850.7          | -25.33        | 44.27                  | 18.94      | 78.34     | V                  |
|                                    | 26365   | 1882.5          | -26.25        | 44.87                  | 18.62      | 72.78     |                    |
|                                    | 26683   | 1914.3          | -26.26        | 44.61                  | 18.35      | 68.44     |                    |

Note: EIRP (dBm) = Reading (dBm) + Correction Factor (dB)



| LTE Band 25                      |         |                 |               |                        |            |           |                    |
|----------------------------------|---------|-----------------|---------------|------------------------|------------|-----------|--------------------|
| Channel Bandwidth: 3 MHz / QPSK  |         |                 |               |                        |            |           |                    |
| Plane                            | Channel | Frequency (MHz) | Reading (dBm) | Correction Factor (dB) | EIRP (dBm) | EIRP (mW) | Polarization (H/V) |
| X                                | 26055   | 1851.5          | -19.87        | 44.70                  | 24.83      | 304.09    | H                  |
|                                  | 26365   | 1882.5          | -19.89        | 44.70                  | 24.81      | 302.69    |                    |
|                                  | 26675   | 1913.5          | -20.57        | 44.57                  | 24.00      | 251.36    |                    |
|                                  | 26055   | 1851.5          | -23.65        | 44.27                  | 20.62      | 115.35    | V                  |
|                                  | 26365   | 1882.5          | -24.25        | 44.87                  | 20.62      | 115.35    |                    |
|                                  | 26675   | 1913.5          | -24.57        | 44.61                  | 20.04      | 101.00    |                    |
| Channel Bandwidth: 3 MHz / 16QAM |         |                 |               |                        |            |           |                    |
| X                                | 26055   | 1851.5          | -21.36        | 44.70                  | 23.34      | 215.77    | H                  |
|                                  | 26365   | 1882.5          | -20.85        | 44.70                  | 23.85      | 242.66    |                    |
|                                  | 26675   | 1913.5          | -20.99        | 44.57                  | 23.58      | 228.19    |                    |
|                                  | 26055   | 1851.5          | -24.57        | 44.27                  | 19.70      | 93.33     | V                  |
|                                  | 26365   | 1882.5          | -25.62        | 44.87                  | 19.25      | 84.14     |                    |
|                                  | 26675   | 1913.5          | -24.89        | 44.61                  | 19.72      | 93.82     |                    |
| Channel Bandwidth: 3 MHz / 64QAM |         |                 |               |                        |            |           |                    |
| X                                | 26055   | 1851.5          | -21.78        | 44.70                  | 22.92      | 195.88    | H                  |
|                                  | 26365   | 1882.5          | -21.95        | 44.70                  | 22.75      | 188.36    |                    |
|                                  | 26675   | 1913.5          | -22.36        | 44.57                  | 22.21      | 166.46    |                    |
|                                  | 26055   | 1851.5          | -25.54        | 44.27                  | 18.73      | 74.64     | V                  |
|                                  | 26365   | 1882.5          | -25.89        | 44.87                  | 18.98      | 79.07     |                    |
|                                  | 26675   | 1913.5          | -26.21        | 44.61                  | 18.40      | 69.23     |                    |

Note: EIRP (dBm) = Reading (dBm) + Correction Factor (dB)

| LTE Band 25                      |         |                 |               |                        |            |           |                    |
|----------------------------------|---------|-----------------|---------------|------------------------|------------|-----------|--------------------|
| Channel Bandwidth: 5 MHz / QPSK  |         |                 |               |                        |            |           |                    |
| Plane                            | Channel | Frequency (MHz) | Reading (dBm) | Correction Factor (dB) | EIRP (dBm) | EIRP (mW) | Polarization (H/V) |
| X                                | 26065   | 1852.5          | -19.71        | 44.70                  | 24.99      | 315.50    | H                  |
|                                  | 26365   | 1882.5          | -20.36        | 44.70                  | 24.34      | 271.64    |                    |
|                                  | 26665   | 1912.5          | -19.89        | 44.57                  | 24.68      | 293.97    |                    |
|                                  | 26065   | 1852.5          | -23.62        | 44.27                  | 20.65      | 116.14    | V                  |
|                                  | 26365   | 1882.5          | -24.87        | 44.87                  | 20.00      | 100.00    |                    |
|                                  | 26665   | 1912.5          | -24.20        | 44.61                  | 20.41      | 109.98    |                    |
| Channel Bandwidth: 5 MHz / 16QAM |         |                 |               |                        |            |           |                    |
| X                                | 26065   | 1852.5          | -20.81        | 44.70                  | 23.89      | 244.91    | H                  |
|                                  | 26365   | 1882.5          | -21.25        | 44.70                  | 23.45      | 221.31    |                    |
|                                  | 26665   | 1912.5          | -20.89        | 44.57                  | 23.68      | 233.51    |                    |
|                                  | 26065   | 1852.5          | -24.36        | 44.27                  | 19.91      | 97.95     | V                  |
|                                  | 26365   | 1882.5          | -25.27        | 44.87                  | 19.60      | 91.20     |                    |
|                                  | 26665   | 1912.5          | -24.88        | 44.61                  | 19.73      | 94.04     |                    |
| Channel Bandwidth: 5 MHz / 64QAM |         |                 |               |                        |            |           |                    |
| X                                | 26065   | 1852.5          | -21.85        | 44.70                  | 22.85      | 192.75    | H                  |
|                                  | 26365   | 1882.5          | -21.98        | 44.70                  | 22.72      | 187.07    |                    |
|                                  | 26665   | 1912.5          | -22.51        | 44.57                  | 22.06      | 160.81    |                    |
|                                  | 26065   | 1852.5          | -26.25        | 44.27                  | 18.02      | 63.39     | V                  |
|                                  | 26365   | 1882.5          | -25.91        | 44.87                  | 18.96      | 78.70     |                    |
|                                  | 26665   | 1912.5          | -26.32        | 44.61                  | 18.29      | 67.50     |                    |

Note: EIRP (dBm) = Reading (dBm) + Correction Factor (dB)

| LTE Band 25                       |         |                 |               |                        |            |           |                    |
|-----------------------------------|---------|-----------------|---------------|------------------------|------------|-----------|--------------------|
| Channel Bandwidth: 10 MHz / QPSK  |         |                 |               |                        |            |           |                    |
| Plane                             | Channel | Frequency (MHz) | Reading (dBm) | Correction Factor (dB) | EIRP (dBm) | EIRP (mW) | Polarization (H/V) |
| X                                 | 26090   | 1855.0          | -20.62        | 44.70                  | 24.08      | 255.86    | H                  |
|                                   | 26365   | 1882.5          | -20.58        | 44.70                  | 24.12      | 258.23    |                    |
|                                   | 26640   | 1910.0          | -19.89        | 44.57                  | 24.68      | 293.97    |                    |
|                                   | 26090   | 1855.0          | -23.36        | 44.27                  | 20.91      | 123.31    | V                  |
|                                   | 26365   | 1882.5          | -23.99        | 44.87                  | 20.88      | 122.49    |                    |
|                                   | 26640   | 1910.0          | -23.91        | 44.61                  | 20.70      | 117.57    |                    |
| Channel Bandwidth: 10 MHz / 16QAM |         |                 |               |                        |            |           |                    |
| X                                 | 26090   | 1855.0          | -21.58        | 44.70                  | 23.12      | 205.12    | H                  |
|                                   | 26365   | 1882.5          | -20.98        | 44.70                  | 23.72      | 235.50    |                    |
|                                   | 26640   | 1910.0          | -20.83        | 44.57                  | 23.74      | 236.76    |                    |
|                                   | 26090   | 1855.0          | -24.30        | 44.27                  | 19.97      | 99.31     | V                  |
|                                   | 26365   | 1882.5          | -25.62        | 44.87                  | 19.25      | 84.14     |                    |
|                                   | 26640   | 1910.0          | -24.88        | 44.61                  | 19.73      | 94.04     |                    |
| Channel Bandwidth: 10 MHz / 64QAM |         |                 |               |                        |            |           |                    |
| X                                 | 26090   | 1855.0          | -22.21        | 44.70                  | 22.49      | 177.42    | H                  |
|                                   | 26365   | 1882.5          | -22.54        | 44.70                  | 22.16      | 164.44    |                    |
|                                   | 26640   | 1910.0          | -21.89        | 44.57                  | 22.68      | 185.48    |                    |
|                                   | 26090   | 1855.0          | -25.36        | 44.27                  | 18.91      | 77.80     | V                  |
|                                   | 26365   | 1882.5          | -26.25        | 44.87                  | 18.62      | 72.78     |                    |
|                                   | 26640   | 1910.0          | -26.61        | 44.61                  | 18.00      | 63.14     |                    |

Note: EIRP (dBm) = Reading (dBm) + Correction Factor (dB)

| LTE Band 25                       |         |                 |               |                        |            |           |                    |
|-----------------------------------|---------|-----------------|---------------|------------------------|------------|-----------|--------------------|
| Channel Bandwidth: 15 MHz / QPSK  |         |                 |               |                        |            |           |                    |
| Plane                             | Channel | Frequency (MHz) | Reading (dBm) | Correction Factor (dB) | EIRP (dBm) | EIRP (mW) | Polarization (H/V) |
| X                                 | 26115   | 1857.5          | -20.23        | 44.70                  | 24.47      | 279.90    | H                  |
|                                   | 26365   | 1882.5          | -19.88        | 44.70                  | 24.82      | 303.39    |                    |
|                                   | 26615   | 1907.5          | -19.91        | 44.57                  | 24.66      | 292.62    |                    |
|                                   | 26115   | 1857.5          | -24.26        | 44.27                  | 20.01      | 100.23    | V                  |
|                                   | 26365   | 1882.5          | -24.25        | 44.87                  | 20.62      | 115.35    |                    |
|                                   | 26615   | 1907.5          | -24.15        | 44.61                  | 20.46      | 111.25    |                    |
| Channel Bandwidth: 15 MHz / 16QAM |         |                 |               |                        |            |           |                    |
| X                                 | 26115   | 1857.5          | -21.25        | 44.70                  | 23.45      | 221.31    | H                  |
|                                   | 26365   | 1882.5          | -20.89        | 44.70                  | 23.81      | 240.44    |                    |
|                                   | 26615   | 1907.5          | -20.91        | 44.57                  | 23.66      | 232.43    |                    |
|                                   | 26115   | 1857.5          | -25.15        | 44.27                  | 19.12      | 81.58     | V                  |
|                                   | 26365   | 1882.5          | -25.62        | 44.87                  | 19.25      | 84.14     |                    |
|                                   | 26615   | 1907.5          | -25.58        | 44.61                  | 19.04      | 80.08     |                    |
| Channel Bandwidth: 15 MHz / 64QAM |         |                 |               |                        |            |           |                    |
| X                                 | 26115   | 1857.5          | -22.01        | 44.70                  | 22.69      | 185.78    | H                  |
|                                   | 26365   | 1882.5          | -21.89        | 44.70                  | 22.81      | 191.03    |                    |
|                                   | 26615   | 1907.5          | -21.81        | 44.57                  | 22.76      | 188.93    |                    |
|                                   | 26115   | 1857.5          | -26.25        | 44.27                  | 18.02      | 63.39     | V                  |
|                                   | 26365   | 1882.5          | -25.91        | 44.87                  | 18.96      | 78.70     |                    |
|                                   | 26615   | 1907.5          | -26.25        | 44.61                  | 18.36      | 68.53     |                    |

Note: EIRP (dBm) = Reading (dBm) + Correction Factor (dB)

| LTE Band 25                       |         |                 |               |                        |            |           |                    |
|-----------------------------------|---------|-----------------|---------------|------------------------|------------|-----------|--------------------|
| Channel Bandwidth: 20 MHz / QPSK  |         |                 |               |                        |            |           |                    |
| Plane                             | Channel | Frequency (MHz) | Reading (dBm) | Correction Factor (dB) | EIRP (dBm) | EIRP (mW) | Polarization (H/V) |
| X                                 | 26140   | 1860.0          | -19.56        | 44.70                  | 25.14      | 326.59    | H                  |
|                                   | 26365   | 1882.5          | -20.57        | 44.70                  | 24.13      | 259.06    |                    |
|                                   | 26590   | 1905.0          | -19.90        | 44.57                  | 24.68      | 293.56    |                    |
|                                   | 26140   | 1860.0          | -23.57        | 44.27                  | 20.70      | 117.49    | V                  |
|                                   | 26365   | 1882.5          | -23.88        | 44.87                  | 20.99      | 125.60    |                    |
|                                   | 26590   | 1905.0          | -23.81        | 44.61                  | 20.80      | 120.31    |                    |
| Channel Bandwidth: 20 MHz / 16QAM |         |                 |               |                        |            |           |                    |
| X                                 | 26140   | 1860.0          | -20.58        | 44.70                  | 24.12      | 258.23    | H                  |
|                                   | 26365   | 1882.5          | -21.52        | 44.70                  | 23.18      | 207.97    |                    |
|                                   | 26590   | 1905.0          | -20.84        | 44.57                  | 23.73      | 236.16    |                    |
|                                   | 26140   | 1860.0          | -25.00        | 44.27                  | 19.27      | 84.53     | V                  |
|                                   | 26365   | 1882.5          | -25.66        | 44.87                  | 19.21      | 83.37     |                    |
|                                   | 26590   | 1905.0          | -24.87        | 44.61                  | 19.74      | 94.25     |                    |
| Channel Bandwidth: 20 MHz / 64QAM |         |                 |               |                        |            |           |                    |
| X                                 | 26140   | 1860.0          | -21.59        | 44.70                  | 23.11      | 204.64    | H                  |
|                                   | 26365   | 1882.5          | -22.62        | 44.70                  | 22.08      | 161.44    |                    |
|                                   | 26590   | 1905.0          | -22.14        | 44.57                  | 22.43      | 175.11    |                    |
|                                   | 26140   | 1860.0          | -25.87        | 44.27                  | 18.40      | 69.18     | V                  |
|                                   | 26365   | 1882.5          | -26.25        | 44.87                  | 18.62      | 72.78     |                    |
|                                   | 26590   | 1905.0          | -26.36        | 44.61                  | 18.25      | 66.88     |                    |

Note: EIRP (dBm) = Reading (dBm) + Correction Factor (dB)

## 4.2 Radiated Emission Measurement

### 4.2.1 Limits of Radiated Emission Measurement

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB. The emission limit is equal to -13 dBm.

### 4.2.2 Test Procedure

- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8 m (below or equal 1 GHz) and/or 1.5 m (above 1 GHz) height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- b. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step a. Record the power level of S.G.
- c. EIRP = Output power level of S.G – TX cable loss + Antenna gain of substitution horn.
- d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, E.R.P power = E.I.R.P power - 2.15 dB.

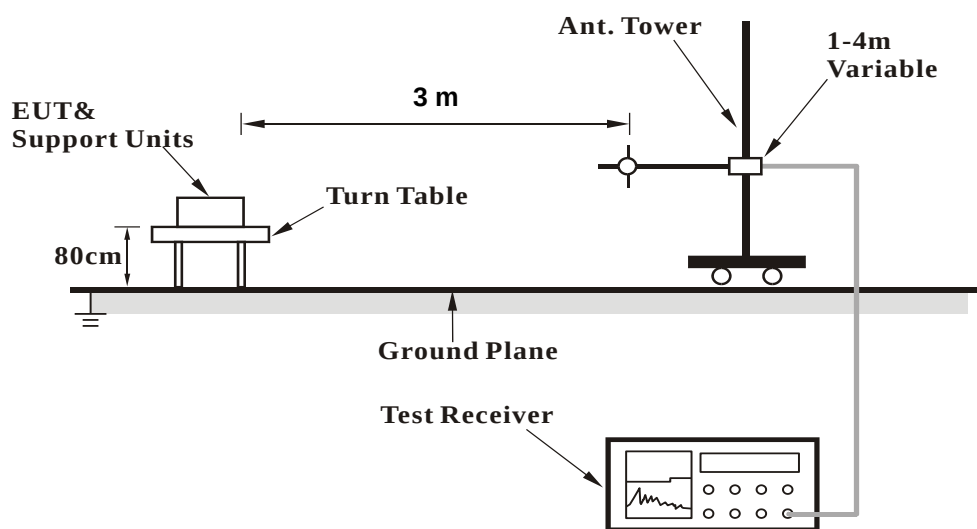
**NOTE:** The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz/3 MHz.

### 4.2.3 Deviation from Test Standard

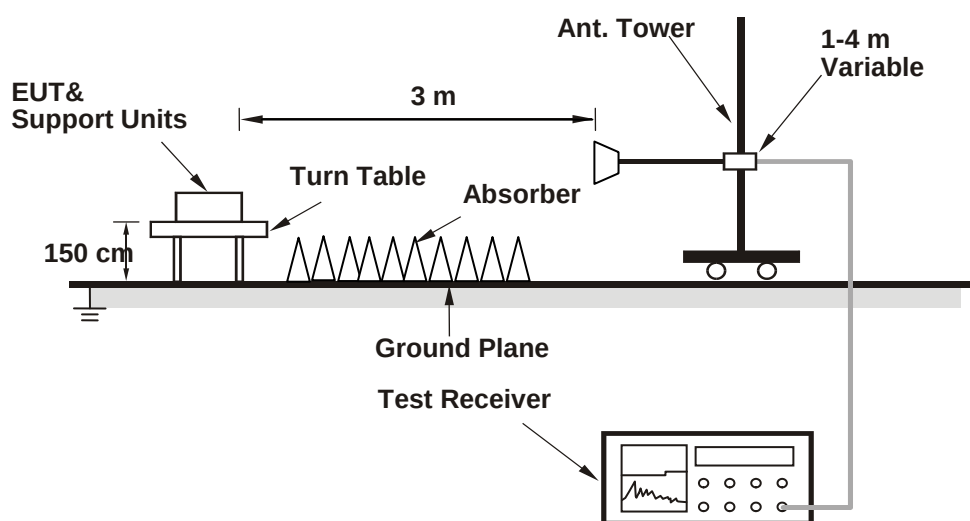
No deviation.

#### 4.2.4 Test Setup

##### <Radiated Emission below or equal 1 GHz>



##### <Radiated Emission above 1 GHz>



For the actual test configuration, please refer to the attached file (Test Setup Photo).

#### 4.2.5 Test Results

WCDMA:

Low Channel

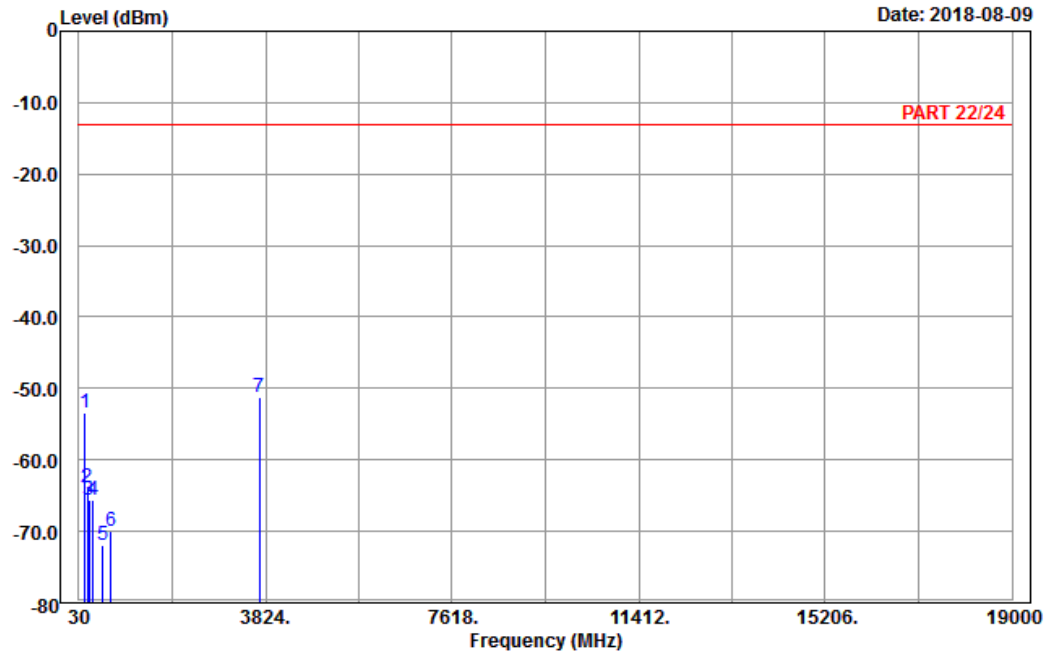


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A D T

Data: 13

Date: 2018-08-09



Site : 966 chamber 1

Condition: PART 22/24 Horizontal

Remark : Band II\_Link\_CH9262

Tested by: Karl Lee

|      | Freq    | Level  | Read Level | Limit Line | Over Limit | Factor | Remark |
|------|---------|--------|------------|------------|------------|--------|--------|
|      | MHz     | dBm    | dBm        | dBm        | dB         | dB     |        |
| 1    | 161.76  | -53.41 | -45.94     | -13.00     | -40.41     | -7.47  | Peak   |
| 2    | 204.96  | -63.81 | -57.69     | -13.00     | -50.81     | -6.12  | Peak   |
| 3    | 242.76  | -65.62 | -60.01     | -13.00     | -52.62     | -5.61  | Peak   |
| 4    | 323.80  | -65.67 | -59.99     | -13.00     | -52.67     | -5.68  | Peak   |
| 5    | 524.00  | -72.02 | -68.44     | -13.00     | -59.02     | -3.58  | Peak   |
| 6    | 686.40  | -69.91 | -69.60     | -13.00     | -56.91     | -0.31  | Peak   |
| 7 pp | 3704.80 | -51.17 | -67.05     | -13.00     | -38.17     | 15.88  | Peak   |



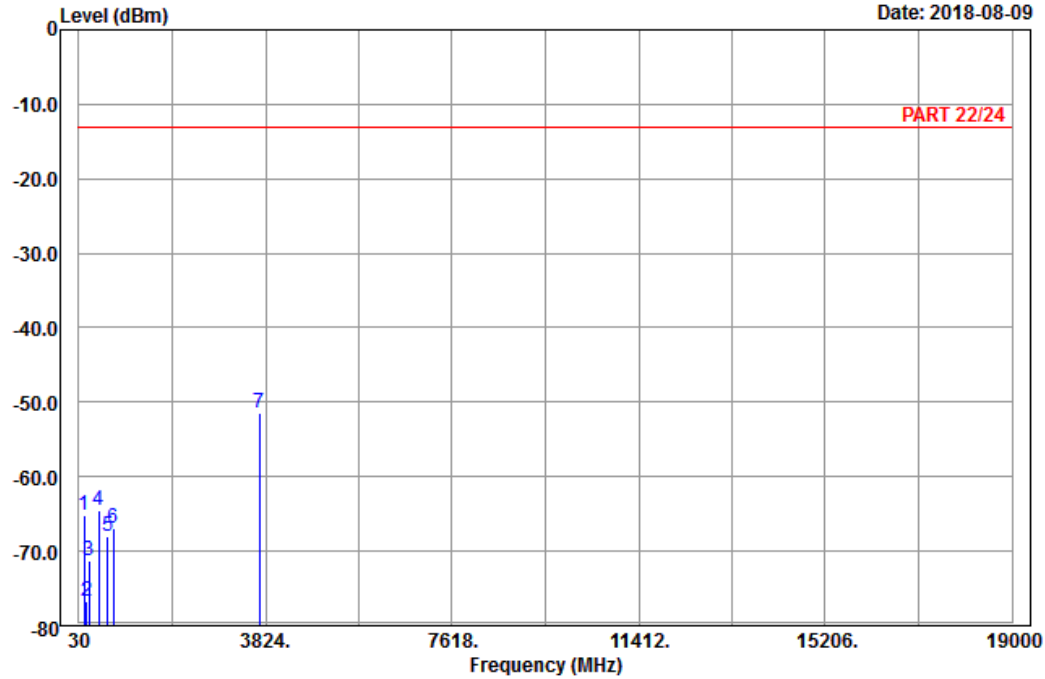


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A D T

Data: 14

Date: 2018-08-09



Site : 966 chamber 1  
Condition: PART 22/24 Vertical  
Remark : Band II\_Link\_CH9262  
Tested by: Karl Lee

|      | Freq    | Level  | Read Level | Limit Line | Over Limit | Factor | Remark |
|------|---------|--------|------------|------------|------------|--------|--------|
|      | MHz     | dBm    | dBm        | dBm        | dB         | dB     |        |
| 1    | 139.62  | -65.11 | -57.42     | -13.00     | -52.11     | -7.69  | Peak   |
| 2    | 193.08  | -76.68 | -70.81     | -13.00     | -63.68     | -5.87  | Peak   |
| 3    | 240.87  | -71.31 | -65.67     | -13.00     | -58.31     | -5.64  | Peak   |
| 4    | 431.60  | -64.52 | -61.08     | -13.00     | -51.52     | -3.44  | Peak   |
| 5    | 619.20  | -67.95 | -68.17     | -13.00     | -54.95     | 0.22   | Peak   |
| 6    | 731.90  | -67.03 | -66.05     | -13.00     | -54.03     | -0.98  | Peak   |
| 7 pp | 3704.80 | -51.51 | -67.39     | -13.00     | -38.51     | 15.88  | Peak   |

# Middle Channel

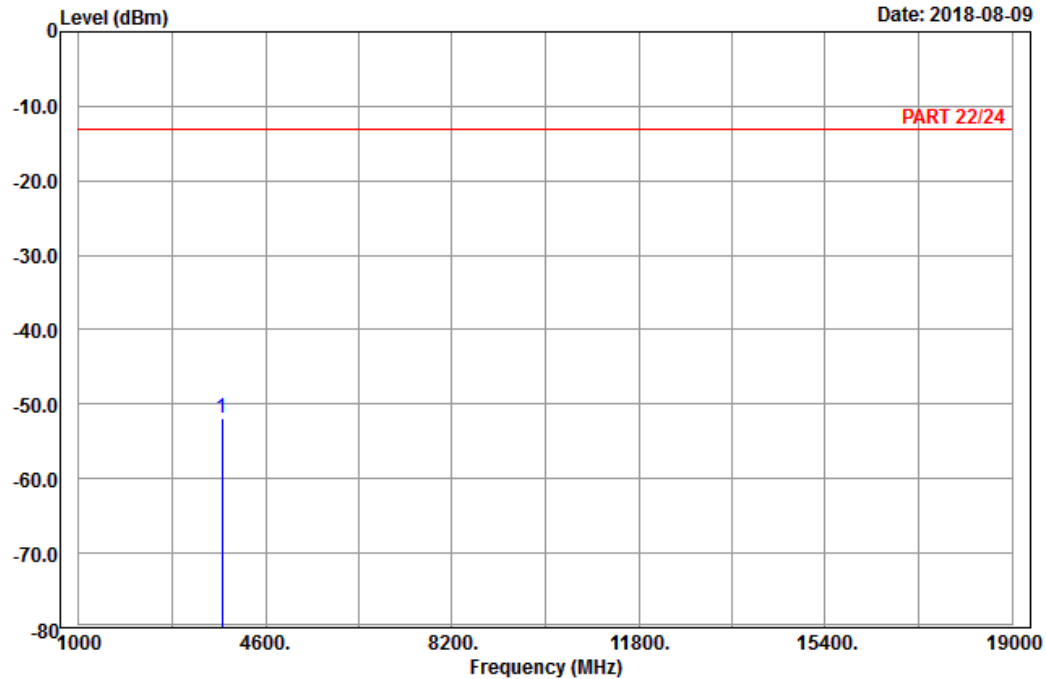


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A D T

Data: 9

Date: 2018-08-09



Site : 966 chamber 1  
 Condition: PART 22/24 Horizontal  
 Remark : Band II\_Link\_CH9400  
 Tested by: Karl Lee

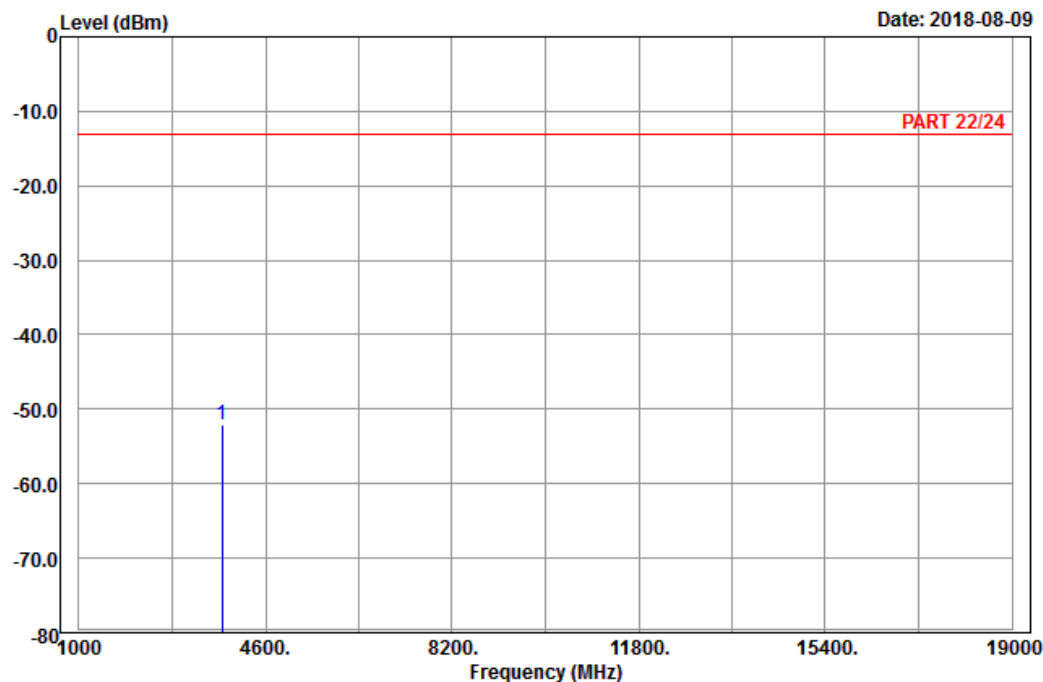
| Freq         | Level  | Read Level | Limit Line | Over Limit | Factor | Remark |
|--------------|--------|------------|------------|------------|--------|--------|
| MHz          | dBm    | dBm        | dBm        | dB         | dB     |        |
| 1 pp 3760.00 | -51.92 | -68.06     | -13.00     | -38.92     | 16.14  | Peak   |



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A D T

Data: 10



Site : 966 chamber 1  
 Condition: PART 22/24 Vertical  
 Remark : Band II\_Link\_CH9400  
 Tested by: Karl Lee

|              |        | Read   | Limit  | Over   |        |        |
|--------------|--------|--------|--------|--------|--------|--------|
| Freq         | Level  | Level  | Line   | Limit  | Factor | Remark |
| MHz          | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1 pp 3760.00 | -52.02 | -68.16 | -13.00 | -39.02 | 16.14  | Peak   |

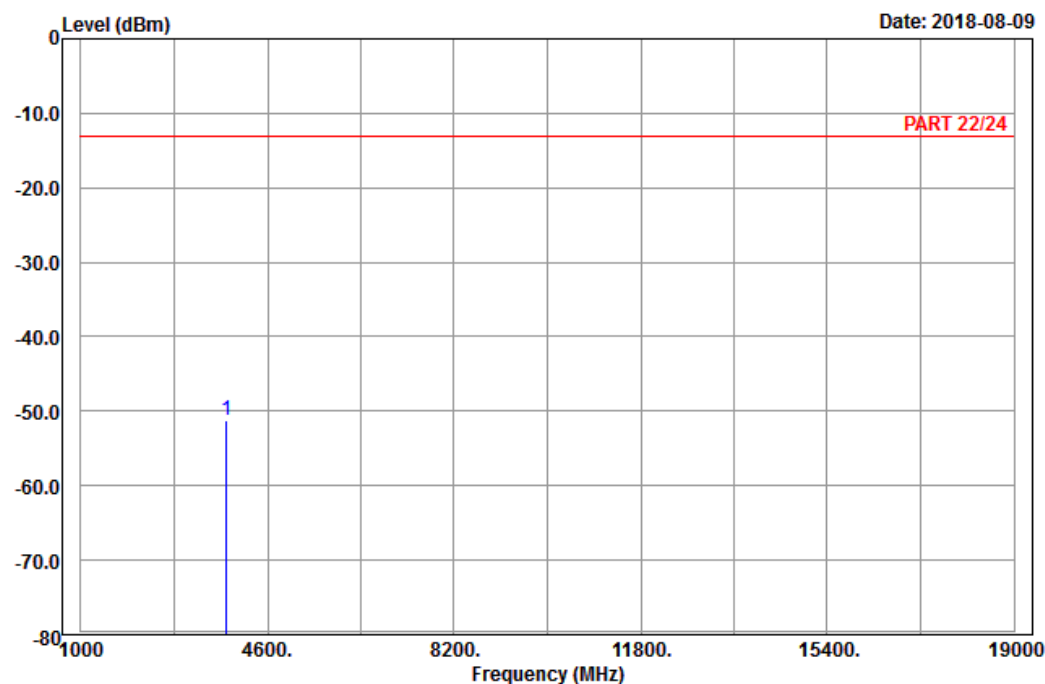
# High Channel



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A D T

Data: 9



Site : 966 chamber 1  
Condition: PART 22/24 Horizontal  
Remark : Band II\_Link\_CH9538  
Tested by: Karl Lee

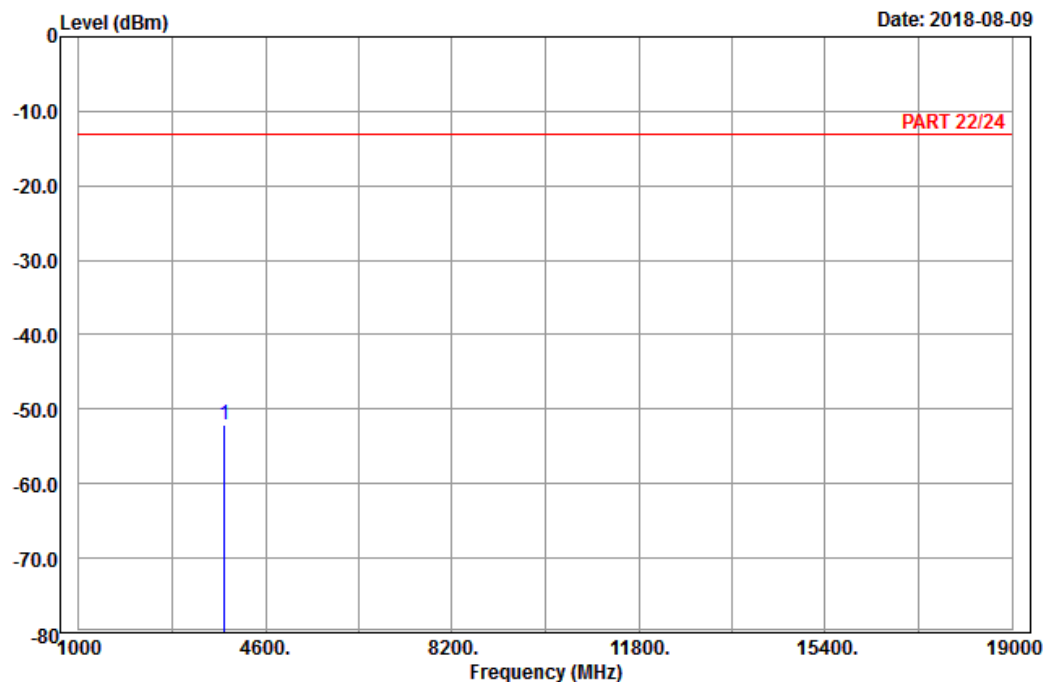
|              |        | Read   | Limit  | Over   |        |        |
|--------------|--------|--------|--------|--------|--------|--------|
| Freq         | Level  | Level  | Line   | Limit  | Factor | Remark |
| MHz          | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1 pp 3815.20 | -51.31 | -67.72 | -13.00 | -38.31 | 16.41  | Peak   |



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A D T

Data: 10



Site : 966 chamber 1  
 Condition: PART 22/24 Vertical  
 Remark : Band II\_Link\_CH9538  
 Tested by: Karl Lee

|              |        | Read   | Limit  | Over   |        |        |
|--------------|--------|--------|--------|--------|--------|--------|
| Freq         | Level  | Level  | Line   | Limit  | Factor | Remark |
| MHz          | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1 pp 3815.20 | -52.12 | -68.53 | -13.00 | -39.12 | 16.41  | Peak   |

LTE Band 2  
Channel Bandwidth: 20 MHz / QPSK  
Low Channel

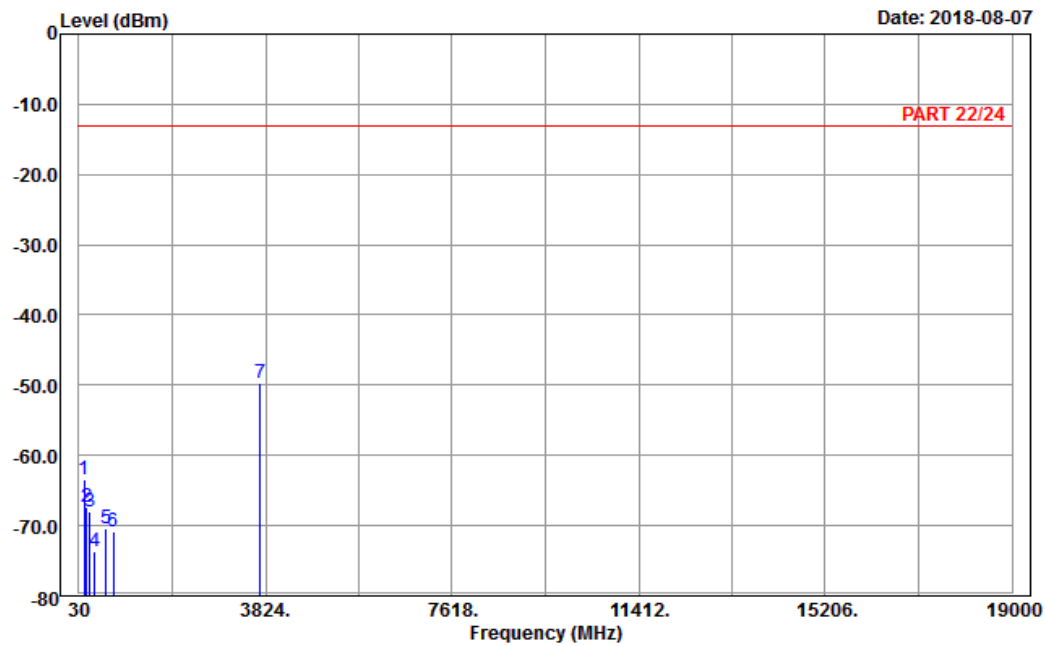


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A D T

Data: 13

Date: 2018-08-07



Site : 966 chamber 1  
Condition: PART 22/24 Horizontal  
Remark : LTE\_Band 2\_Link\_CH18700  
Tested by: Harry Hsueh

|      |         |        | Read   | Limit  | Over   |        |        |
|------|---------|--------|--------|--------|--------|--------|--------|
|      | Freq    | Level  | Level  | Line   | Limit  | Factor | Remark |
|      | MHz     | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1    | 137.73  | -63.53 | -55.85 | -13.00 | -50.53 | -7.68  | Peak   |
| 2    | 190.65  | -67.32 | -61.54 | -13.00 | -54.32 | -5.78  | Peak   |
| 3    | 245.73  | -68.00 | -62.43 | -13.00 | -55.00 | -5.57  | Peak   |
| 4    | 347.60  | -73.61 | -68.20 | -13.00 | -60.61 | -5.41  | Peak   |
| 5    | 590.50  | -70.42 | -70.45 | -13.00 | -57.42 | 0.03   | Peak   |
| 6    | 737.50  | -70.83 | -69.76 | -13.00 | -57.83 | -1.07  | Peak   |
| 7 pp | 3720.00 | -49.68 | -65.65 | -13.00 | -36.68 | 15.97  | Peak   |

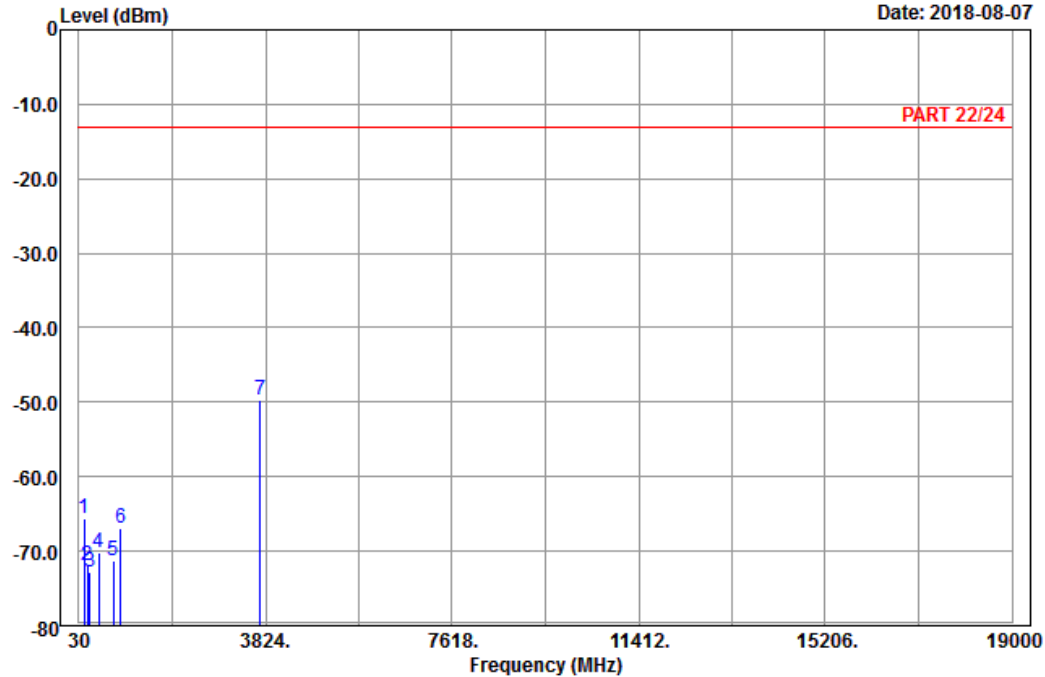


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Data: 14

Date: 2018-08-07



Site : 966 chamber 1  
Condition: PART 22/24 Vertical  
Remark : LTE\_Band 2\_Link\_CH18700  
Tested by: Harry Hsueh

|      | Freq    | Level  | Read Level | Limit Line | Over Limit | Factor | Remark |
|------|---------|--------|------------|------------|------------|--------|--------|
|      | MHz     | dBm    | dBm        | dBm        | dB         | dB     |        |
| 1    | 138.54  | -65.58 | -57.89     | -13.00     | -52.58     | -7.69  | Peak   |
| 2    | 201.99  | -71.98 | -65.82     | -13.00     | -58.98     | -6.16  | Peak   |
| 3    | 256.53  | -72.73 | -67.16     | -13.00     | -59.73     | -5.57  | Peak   |
| 4    | 440.70  | -70.13 | -66.50     | -13.00     | -57.13     | -3.63  | Peak   |
| 5    | 729.10  | -71.36 | -70.43     | -13.00     | -58.36     | -0.93  | Peak   |
| 6    | 884.50  | -66.97 | -69.41     | -13.00     | -53.97     | 2.44   | Peak   |
| 7 pp | 3720.00 | -49.69 | -65.66     | -13.00     | -36.69     | 15.97  | Peak   |

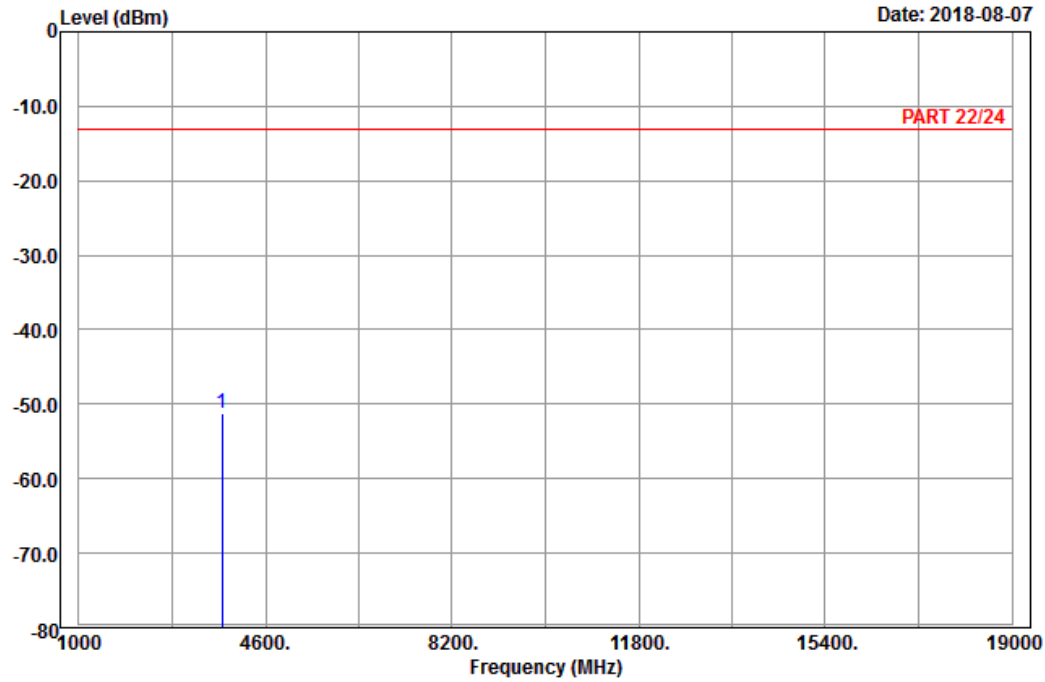
# Middle Channel



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A D T

Data: 9



Site : 966 chamber 1  
Condition: PART 22/24 Horizontal  
Remark : LTE\_Band 2\_Link\_CH18900  
Tested by: Harry Hsueh

| Freq         | Level  | Read   | Limit  | Over   | Factor | Remark |
|--------------|--------|--------|--------|--------|--------|--------|
|              |        | Level  | Line   | Limit  |        |        |
| MHz          | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1 pp 3760.00 | -51.22 | -67.36 | -13.00 | -38.22 | 16.14  | Peak   |



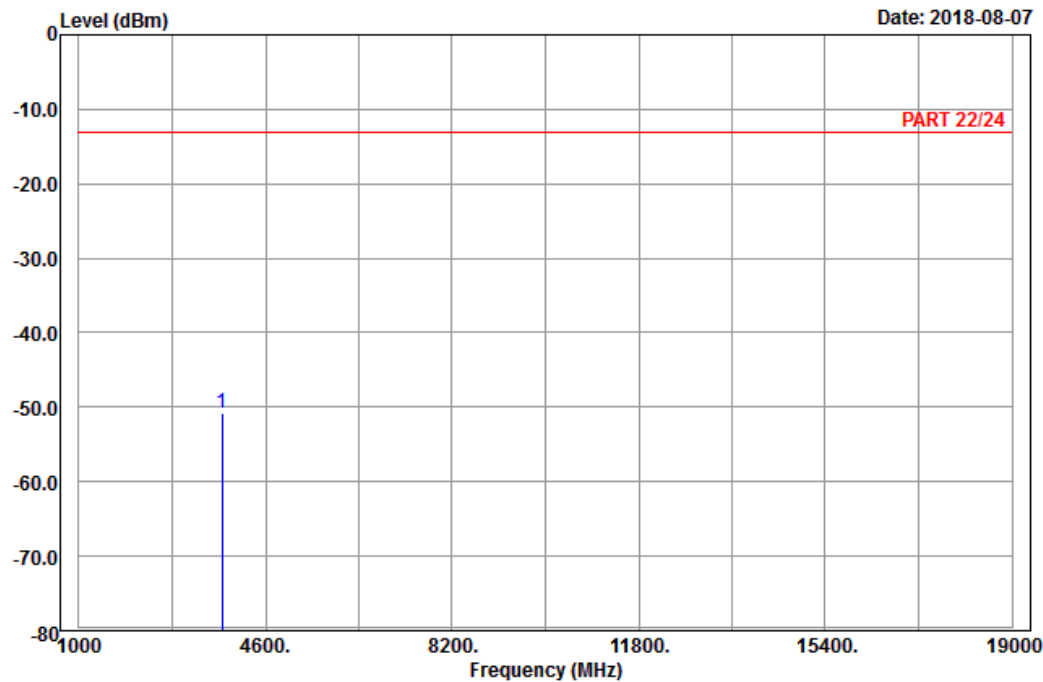


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A D T

Data: 10

Date: 2018-08-07



Site : 966 chamber 1  
Condition: PART 22/24 Vertical  
Remark : LTE\_Band 2\_Link\_CH18900  
Tested by: Harry Hsueh

|              |        | Read   | Limit  | Over   |        |        |
|--------------|--------|--------|--------|--------|--------|--------|
| Freq         | Level  | Level  | Line   | Limit  | Factor | Remark |
| MHz          | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1 pp 3760.00 | -50.89 | -67.03 | -13.00 | -37.89 | 16.14  | Peak   |

# High Channel

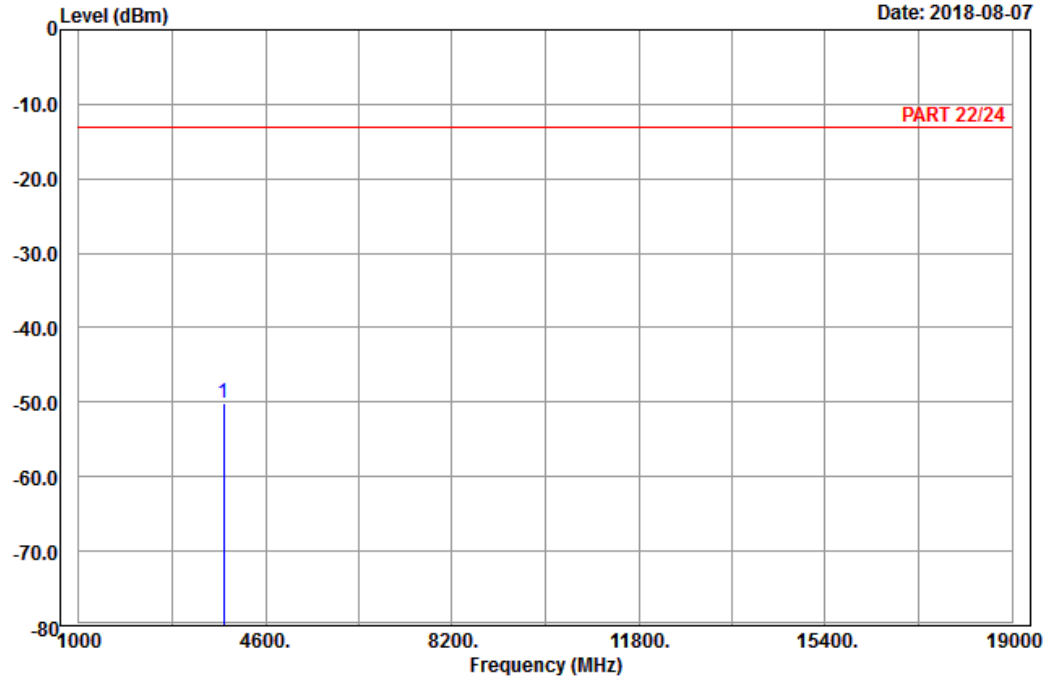


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A D T

Data: 9

Date: 2018-08-07



Site : 966 chamber 1  
Condition: PART 22/24 Horizontal  
Remark : LTE\_Band 2\_Link\_CH19100  
Tested by: Harry Hsueh

|              |        | Read   | Limit  | Over   |        |        |
|--------------|--------|--------|--------|--------|--------|--------|
| Freq         | Level  | Level  | Line   | Limit  | Factor | Remark |
| MHz          | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1 pp 3800.00 | -50.16 | -66.57 | -13.00 | -37.16 | 16.41  | Peak   |

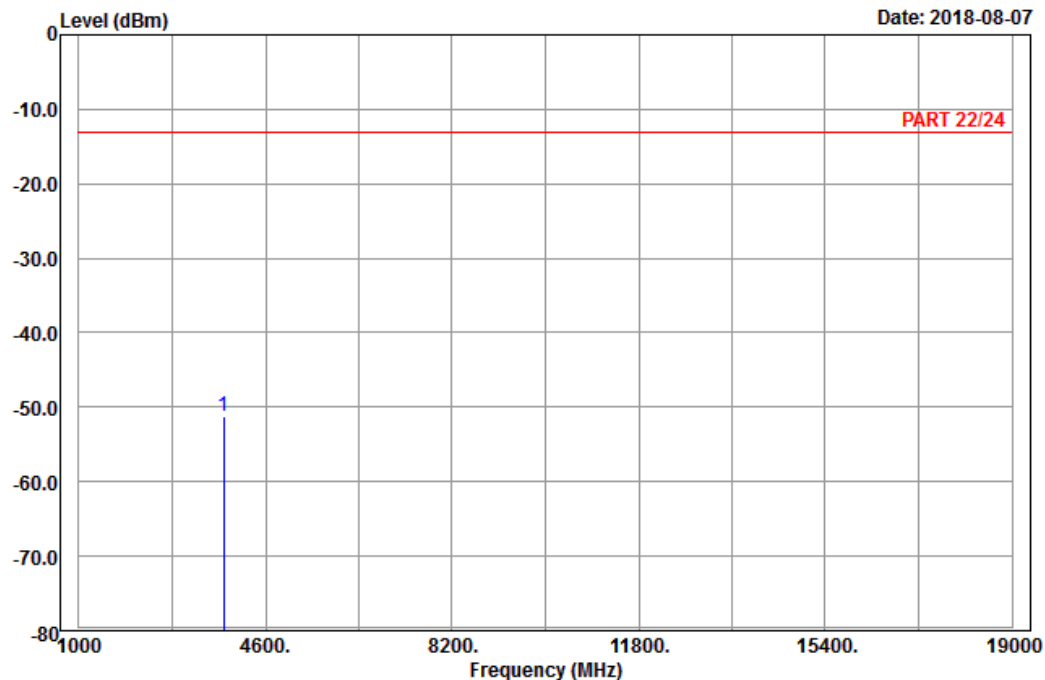


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A D T

Data: 10

Date: 2018-08-07



Site : 966 chamber 1  
Condition: PART 22/24 Vertical  
Remark : LTE\_Band 2\_Link\_CH19100  
Tested by: Harry Hsueh

|              |        | Read   | Limit  | Over   |        |        |
|--------------|--------|--------|--------|--------|--------|--------|
| Freq         | Level  | Level  | Line   | Limit  | Factor | Remark |
| MHz          | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1 pp 3800.00 | -51.13 | -67.54 | -13.00 | -38.13 | 16.41  | Peak   |

LTE Band 25  
Channel Bandwidth: 20 MHz / QPSK  
Low Channel

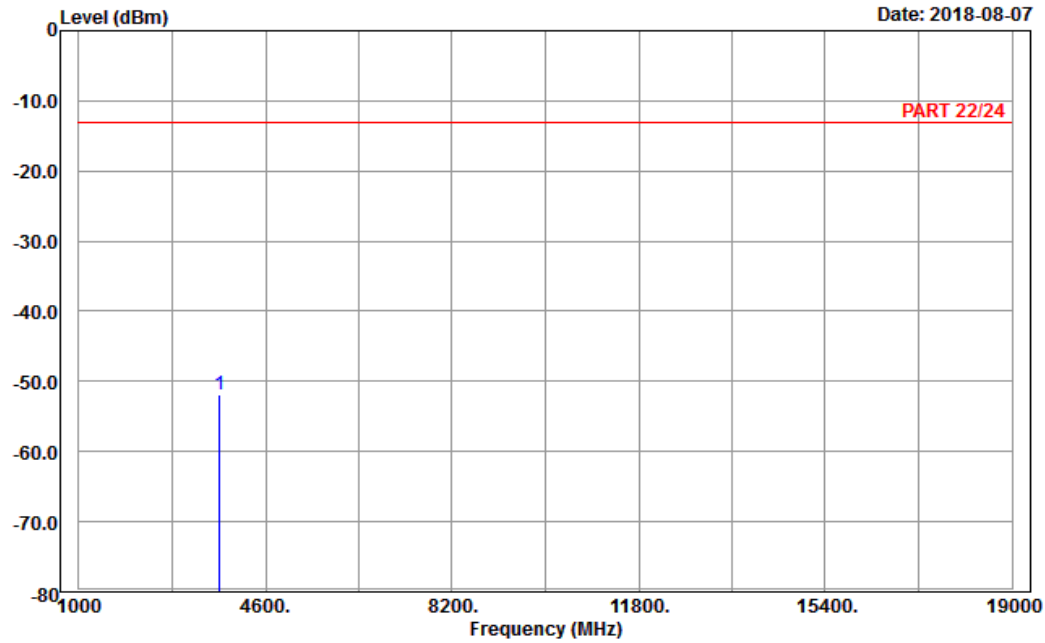


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9

Date: 2018-08-07



Site : 966 chamber 1  
Condition: PART 22/24 Horizontal  
Remark : LTE\_Band 25\_Link\_CH26140  
Tested by: Karl Lee

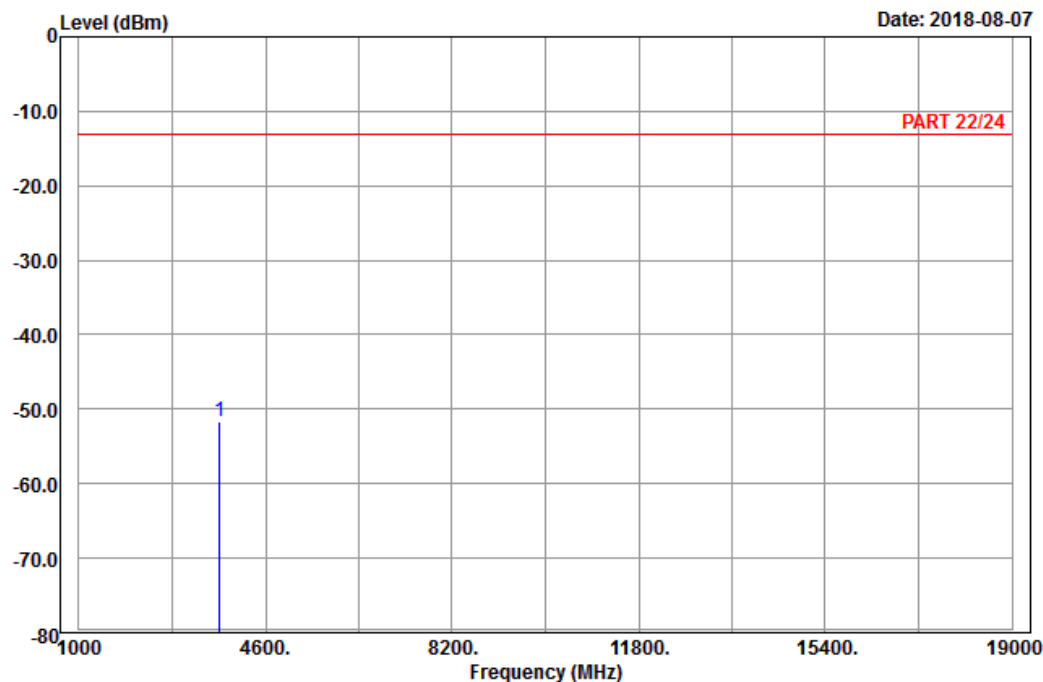
|              |        | Read   | Limit  | Over   |        |        |
|--------------|--------|--------|--------|--------|--------|--------|
| Freq         | Level  | Level  | Line   | Limit  | Factor | Remark |
| MHz          | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1 pp 3720.00 | -51.92 | -67.89 | -13.00 | -38.92 | 15.97  | Peak   |



# Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10



Site : 966 chamber 1  
 Condition: PART 22/24 Vertical  
 Remark : LTE\_Band 25\_Link\_CH26140  
 Tested by: Karl Lee

|              |        | Read   | Limit  | Over   |        |        |
|--------------|--------|--------|--------|--------|--------|--------|
| Freq         | Level  | Level  | Line   | Limit  | Factor | Remark |
| MHz          | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1 pp 3720.00 | -51.67 | -67.64 | -13.00 | -38.67 | 15.97  | Peak   |

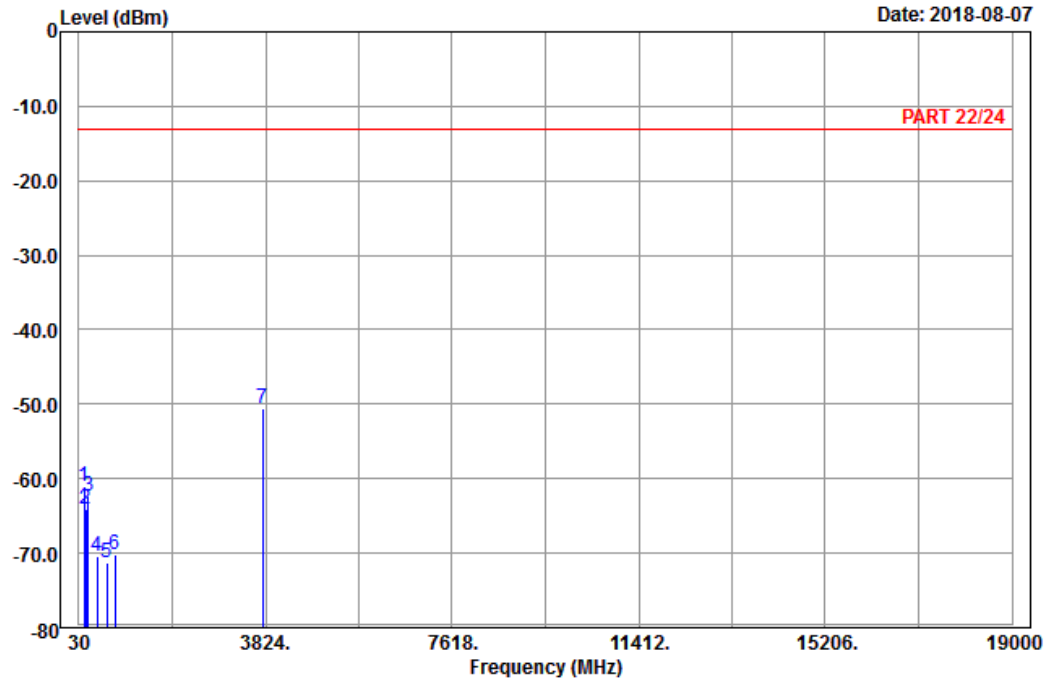
# Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 13



Site : 966 chamber 1  
Condition: PART 22/24 Horizontal  
Remark : LTE\_Band 25\_Link\_CH26365  
Tested by: Karl Lee

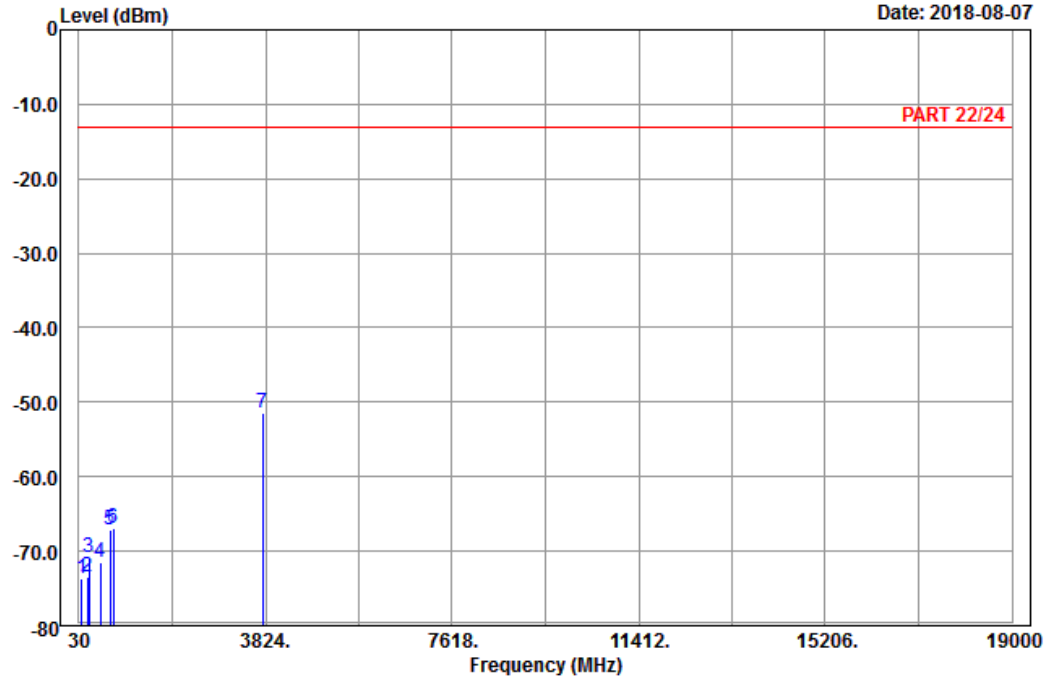
|      |         |        | Read   | Limit  | Over   |        |        |
|------|---------|--------|--------|--------|--------|--------|--------|
|      | Freq    | Level  | Level  | Line   | Limit  | Factor | Remark |
|      | MHz     | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1    | 144.21  | -61.02 | -53.21 | -13.00 | -48.02 | -7.81  | Peak   |
| 2    | 173.37  | -64.00 | -57.70 | -13.00 | -51.00 | -6.30  | Peak   |
| 3    | 223.05  | -62.39 | -56.52 | -13.00 | -49.39 | -5.87  | Peak   |
| 4    | 398.70  | -70.34 | -67.55 | -13.00 | -57.34 | -2.79  | Peak   |
| 5    | 602.40  | -71.21 | -71.61 | -13.00 | -58.21 | 0.40   | Peak   |
| 6    | 762.00  | -70.16 | -69.68 | -13.00 | -57.16 | -0.48  | Peak   |
| 7 pp | 3765.00 | -50.66 | -66.89 | -13.00 | -37.66 | 16.23  | Peak   |



# Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 14



Site : 966 chamber 1  
Condition: PART 22/24 Vertical  
Remark : LTE\_Band 25\_Link\_CH26365  
Tested by: Karl Lee

|      | Freq    | Level  | Read Level | Limit Line | Over Limit | Factor | Remark |
|------|---------|--------|------------|------------|------------|--------|--------|
|      | MHz     | dBm    | dBm        | dBm        | dB         | dB     |        |
| 1    | 82.65   | -73.76 | -62.21     | -13.00     | -60.76     | -11.55 | Peak   |
| 2    | 201.72  | -73.42 | -67.26     | -13.00     | -60.42     | -6.16  | Peak   |
| 3    | 242.49  | -70.86 | -65.25     | -13.00     | -57.86     | -5.61  | Peak   |
| 4    | 473.60  | -71.54 | -67.03     | -13.00     | -58.54     | -4.51  | Peak   |
| 5    | 659.80  | -67.11 | -66.93     | -13.00     | -54.11     | -0.18  | Peak   |
| 6    | 731.90  | -67.03 | -66.05     | -13.00     | -54.03     | -0.98  | Peak   |
| 7 pp | 3765.00 | -51.36 | -67.59     | -13.00     | -38.36     | 16.23  | Peak   |

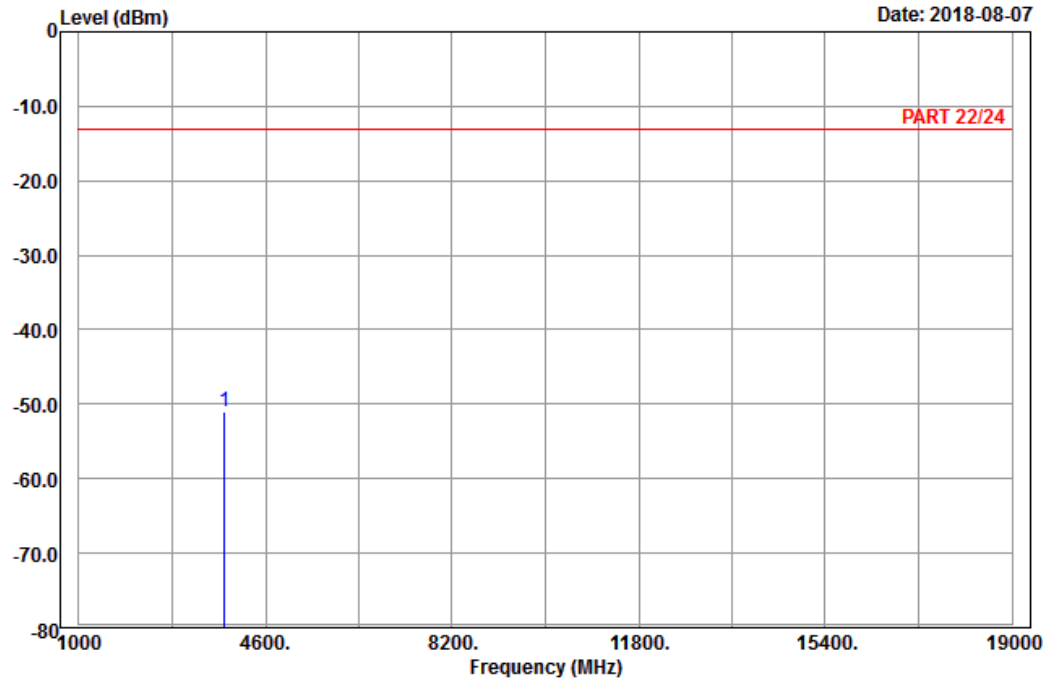
# High Channel



Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch

A D T

Data: 9



Site : 966 chamber 1  
Condition: PART 22/24 Horizontal  
Remark : LTE\_Band 25\_Link\_CH26590  
Tested by: Karl Lee

|              |        | Read   | Limit  | Over   |        |        |
|--------------|--------|--------|--------|--------|--------|--------|
| Freq         | Level  | Level  | Line   | Limit  | Factor | Remark |
| MHz          | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1 pp 3810.00 | -51.00 | -67.41 | -13.00 | -38.00 | 16.41  | Peak   |

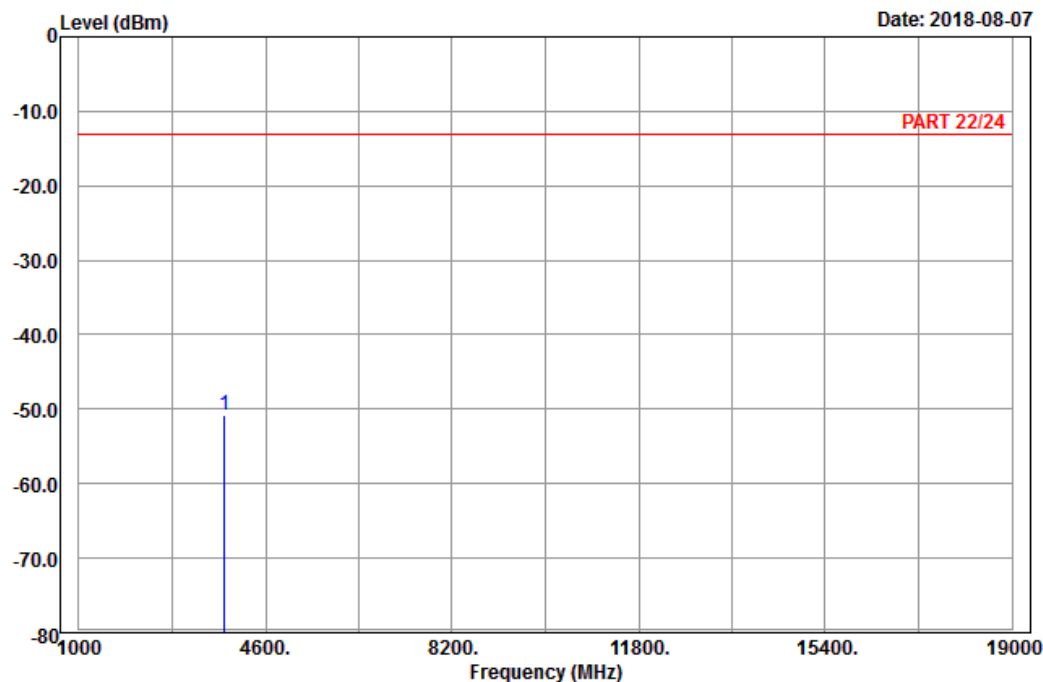




Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 10



Site : 966 chamber 1  
 Condition: PART 22/24 Vertical  
 Remark : LTE\_Band 25\_Link\_CH26590  
 Tested by: Karl Lee

|              |        | Read   | Limit  | Over   |        |        |
|--------------|--------|--------|--------|--------|--------|--------|
| Freq         | Level  | Level  | Line   | Limit  | Factor | Remark |
| MHz          | dBm    | dBm    | dBm    | dB     | dB     |        |
| 1 pp 3810.00 | -50.76 | -67.17 | -13.00 | -37.76 | 16.41  | Peak   |

## 5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

## Appendix – Information on the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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The address and road map of all our labs can be found in our web site also.

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