

## FCC Test Report (Part 24: FR1 n2A)

**Report No.:** RF191031C08-9

**FCC ID:** PY319400469

**Test Model:** MR5100

**Received Date:** Nov. 04, 2019

**Test Date:** Jan. 16 ~ Jan. 17, 2020

**Issued Date:** Feb. 01, 2020

**Applicant:** Netgear, Inc.

**Address:** 350 E. Plumeria Drive, San Jose CA 95134, USA

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

**Lab Address:** No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

**Test Location:** No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City  
33383, Taiwan

**FCC Registration /** 788550 / TW0003

**Designation Number:**



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### Release Control Record

| Issue No.     | Description      | Date Issued   |
|---------------|------------------|---------------|
| RF191031C08-9 | Original release | Feb. 01, 2020 |

## 1 Certificate of Conformity

**Product:** 5G MHS Travel Router

**Brand:** NETGEAR

**Test Model:** MR5100

**Sample Status:** ENGINEERING SAMPLE

**Applicant:** Netgear, Inc.

**Test Date:** Jan. 16 ~ Jan. 17, 2020

**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 :** Pettie Chen , **Date:** Feb. 01, 2020  
Pettie Chen / Senior Specialist

**Approved by :** Bruce Chen , **Date:** Feb. 01, 2020  
Bruce Chen / Senior 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 radiated power     | Pass   | Meet the requirement of limit.                                                       |
| 2.1046<br>24.232(d)                    | Peak To Average Ratio        | Pass   | Meet the requirement of limit.                                                       |
| 2.1047                                 | Modulation Characteristics   | Pass   | Meet the requirement                                                                 |
| 2.1055<br>24.235                       | Frequency Stability          | Pass   | Meet the requirement of limit.                                                       |
| 2.1049                                 | Occupied Bandwidth           | Pass   | Meet the requirement of limit.                                                       |
| 24.238                                 | Band Edge Measurements       | Pass   | Meet the requirement of limit.                                                       |
| 2.1051<br>24.238                       | Conducted Spurious Emissions | Pass   | Meet the requirement of limit.                                                       |
| 2.1053<br>24.238                       | Radiated Spurious Emissions  | Pass   | Meet the requirement of limit.<br>Minimum passing margin is<br>-14.6dB at 895.24MHz. |

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

### 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<br>(k=2) ( $\pm$ ) |
|--------------------------------|------------------|-----------------------------------------|
| Radiated Emissions up to 1 GHz | 9kHz ~ 30MHz     | 3.04 dB                                 |
|                                | 30MHz ~ 200MHz   | 3.59 dB                                 |
|                                | 200MHz ~ 1000MHz | 3.60 dB                                 |
| Radiated Emissions above 1 GHz | 1GHz ~ 18GHz     | 2.29 dB                                 |
|                                | 18GHz ~ 40GHz    | 2.29 dB                                 |

## 2.2 Test Site and Instruments

| Description & Manufacturer                       | Model No.                | Serial No.            | Cal. Date     | Cal. Due      |
|--------------------------------------------------|--------------------------|-----------------------|---------------|---------------|
| Test Receiver<br>ROHDE & SCHWARZ                 | ESIB7                    | 100187                | May 30, 2019  | May 29, 2020  |
| Spectrum Analyzer<br>ROHDE & SCHWARZ             | FSP40                    | 100040                | Sep. 23, 2019 | Sep. 22, 2020 |
| Spectrum Analyzer<br>KEYSIGHT                    | N9030B                   | MY57140953            | Jun. 28, 2019 | Jun. 27, 2020 |
| BILOG Antenna<br>SCHWARZBECK                     | VULB9168                 | 9168-155              | Nov. 11, 2019 | Nov. 10, 2020 |
| HORN Antenna<br>SCHWARZBECK                      | BBHA 9120D               | 9120D-1170            | Nov. 24, 2019 | Nov. 23, 2020 |
| HORN Antenna<br>SCHWARZBECK                      | BBHA 9170                | BBHA9170241           | Nov. 24, 2019 | Nov. 23, 2020 |
| Preamplifier<br>Agilent<br>(Below 1GHz)          | 8447D                    | 2944A10631            | Jul. 11, 2019 | Jul. 10, 2020 |
| Preamplifier<br>KEYSIGHT<br>(Above 1GHz)         | 83017A                   | MY53270295            | Jun. 11, 2019 | Jun. 10, 2020 |
| RF Coaxial Cable<br>WORKEN<br>With 5dB PAD       | 8D-FB                    | Cable-CH4-01          | Aug. 20, 2019 | Aug. 19, 2020 |
| RF Coaxial Cable<br>EMCI                         | EMC102-KM-KM-3000        | 150929                | Aug. 20, 2019 | Aug. 19, 2020 |
| RF Coaxial Cable<br>EMCI                         | EMC102-KM-KM-600         | 150928                | Aug. 20, 2019 | Aug. 19, 2020 |
| RF signal cable<br>HUBER+SUHNER                  | SUCOFLEX 104             | MY 13380+295012/04    | Jul. 11, 2019 | Jul. 10, 2020 |
| RF signal cable<br>HUBER+SUHNER                  | SUCOFLEX 104             | Cable-CH4-03 (250724) | Jul. 11, 2019 | Jul. 10, 2020 |
| Software<br>BV ADT                               | ADT_Radiated_V7.6.15.9.5 | NA                    | NA            | NA            |
| Antenna Tower<br>inn-co GmbH                     | MA 4000                  | 010303                | NA            | NA            |
| Antenna Tower Controller<br>BV ADT               | AT100                    | AT93021703            | NA            | NA            |
| Turn Table<br>BV ADT                             | TT100                    | TT93021703            | NA            | NA            |
| Turn Table Controller<br>BV ADT                  | SC100                    | SC93021703            | NA            | NA            |
| Boresight Antenna Fixture                        | FBA-01                   | FBA-SIP01             | NA            | NA            |
| WIT Standard Temperature<br>And Humidity Chamber | TH-4S-C                  | W981030               | Jun. 03, 2019 | Jun. 02, 2020 |
| JFW 20dB attenuation                             | 50HF-020-SMA             | NA                    | NA            | NA            |
| True RMS Clamp Meter<br>Fluke                    | 325                      | 31130711WS            | May 21, 2019  | May 20, 2020  |

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.  
2. The test was performed in HwaYa Chamber 4.

### 3 General Information

#### 3.1 General Description of EUT

|                     |                                                                      |                     |                     |                    |
|---------------------|----------------------------------------------------------------------|---------------------|---------------------|--------------------|
| Product             | 5G MHS Travel Router                                                 |                     |                     |                    |
| Brand               | NETGEAR                                                              |                     |                     |                    |
| Test Model          | MR5100                                                               |                     |                     |                    |
| Sample Status       | Engineering Sample                                                   |                     |                     |                    |
| Power Supply Rating | 5 or 9Vdc (adapter)<br>5Vdc (host equipment)<br>3.85Vdc (battery)    |                     |                     |                    |
| Modulation Type     | QPSK, 16QAM, 64QAM                                                   |                     |                     |                    |
| Operating Frequency | NR Band 2 (Channel Bandwidth 5MHz)                                   | 1852.5~1907.5MHz    |                     |                    |
|                     | NR Band 2 (Channel Bandwidth 10MHz)                                  | 1855.0~1905.0MHz    |                     |                    |
|                     | NR Band 2 (Channel Bandwidth 15MHz)                                  | 1857.5~1902.5MHz    |                     |                    |
|                     | NR Band 2 (Channel Bandwidth 20MHz)                                  | 1860.0~1900.0MHz    |                     |                    |
| Max. EIRP Power     | <b>1RB</b>                                                           | QPSK                | 16QAM               | 64QAM              |
|                     | NR Band 2 (Channel Bandwidth 5MHz)                                   | 128.825mW (21.1dBm) | 112.202mW (20.5dBm) | 89.125mW (19.5dBm) |
|                     | NR Band 2 (Channel Bandwidth 10MHz)                                  | 123.027mW (20.9dBm) | 109.648mW (20.4dBm) | 87.096mW (19.4dBm) |
|                     | NR Band 2 (Channel Bandwidth 15MHz)                                  | 123.027mW (20.9dBm) | 104.713mW (20.2dBm) | 79.433mW (19.0dBm) |
|                     | NR Band 2 (Channel Bandwidth 20MHz)                                  | 128.825mW (21.1dBm) | 109.648mW (20.4dBm) | 83.176mW (19.2dBm) |
|                     | <b>Full RB</b>                                                       | QPSK                | 16QAM               | 64QAM              |
|                     | NR Band 2 (Channel Bandwidth 5MHz)                                   | 102.329mW (20.1dBm) | 89.125mW (19.5dBm)  | 70.765mW (18.5dBm) |
|                     | NR Band 2 (Channel Bandwidth 10MHz)                                  | 102.329mW (20.1dBm) | 87.096mW (19.4dBm)  | 67.608mW (18.3dBm) |
|                     | NR Band 2 (Channel Bandwidth 15MHz)                                  | 95.499mW (19.8dBm)  | 83.176mW (19.2dBm)  | 64.565mW (18.1dBm) |
|                     | NR Band 2 (Channel Bandwidth 20MHz)                                  | 100.000mW (20.0dBm) | 85.114mW (19.3dBm)  | 66.069mW (18.2dBm) |
| Emission Designator |                                                                      | QPSK                | 16QAM               | 64QAM              |
|                     | NR Band 2 (Channel Bandwidth 5MHz)                                   | 4M49G7D             | 4M49D7W             | 4M49D7W            |
|                     | NR Band 2 (Channel Bandwidth 10MHz)                                  | 8M96G7D             | 8M96D7W             | 8M95D7W            |
|                     | NR Band 2 (Channel Bandwidth 15MHz)                                  | 13M5G7D             | 13M5D7W             | 13M4D7W            |
|                     | NR Band 2 (Channel Bandwidth 20MHz)                                  | 17M9G7D             | 17M9D7W             | 17M9D7W            |
| Antenna Type        | Refer to note                                                        |                     |                     |                    |
| Antenna Connector   | Refer to note                                                        |                     |                     |                    |
| Accessory Device    | Adapter x1, battery x1                                               |                     |                     |                    |
| Cable Supplied      | 1m shielded USB cable without core (Brand: NIENYI, model: NYS2371-1) |                     |                     |                    |

Note:

1. The following antennas were provided to the EUT.

|                    |           |      |
|--------------------|-----------|------|
| Antenna Type       | monopole  |      |
| Antenna Connector  | NA        |      |
| Antenna Gain (dBi) | NR Band 2 | 1.13 |

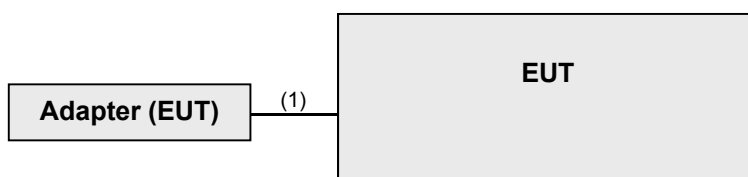
2. The EUT must be supplied with a power adapter or battery as following table:

| Items   | Brand   | Model No. | Spec.                                                                |
|---------|---------|-----------|----------------------------------------------------------------------|
| Adapter | NETGEAR | AD2122F20 | Input: 100-240Vac~50/60Hz, 0.5A<br>Output: 5Vdc / 2.0A or 9Vdc /1.8A |
| Battery | NETGEAR | W-20      | 3.85Vdc, 19.40Wh                                                     |

3. The EUT support Bandwidth information

| Band | SCS (kHz) | Channel Bandwidth (MHz) |         |         |         |
|------|-----------|-------------------------|---------|---------|---------|
|      |           | 5                       | 10      | 15      | 20      |
| n2   | 15        | Support                 | Support | Support | Support |
| n5   | 15        | Support                 | Support | Support | Support |
| n66  | 15        | Support                 | Support | Support | Support |

### 3.2 Configuration of System under Test



Remote site



#### 3.2.1 Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| ID | Product                      | Brand    | Model No. | Serial No. | FCC ID | Remarks |
|----|------------------------------|----------|-----------|------------|--------|---------|
| A. | Radio Communication Analyzer | Keysight | E7515B    | MY58300759 | NA     | -       |

Note:

1. All power cords of the above support units are non-shielded (1.8m).
2. Item A acted as a communication partner to transfer data.

| ID | Descriptions | Qty. | Length (m) | Shielding (Yes/No) | Cores (Qty.) | Remarks          |
|----|--------------|------|------------|--------------------|--------------|------------------|
| 1. | USB cable    | 1    | 1          | Y                  | 0            | Accessory of EUT |

### 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 on X-plane. Following channel(s) was (were) selected for the final test as listed below.

#### NR Band 2

| EUT<br>Configure<br>Mode | Test item                     | Available channel | Tested Channel                                                      | Channel<br>Bandwidth | Modulation              | Mode                 |
|--------------------------|-------------------------------|-------------------|---------------------------------------------------------------------|----------------------|-------------------------|----------------------|
| -                        | EIRP                          | 370500 to 381500  | 370500 (1852.50MHz),<br>376000 (1880.00MHz),<br>381500 (1907.50MHz) | 5MHz                 | QPSK / 16QAM /<br>64QAM | 1 RB / 0 RB Offset   |
|                          |                               | 371000 to 381000  | 371000 (1855.00MHz),<br>376000 (1880.00MHz),<br>381000 (1905.00MHz) | 10MHz                | QPSK / 16QAM /<br>64QAM | 1 RB / 0 RB Offset   |
|                          |                               | 371500 to 380500  | 371500 (1857.50MHz),<br>376000 (1880.00MHz),<br>380500 (1902.50MHz) | 15MHz                | QPSK / 16QAM /<br>64QAM | 1 RB / 0 RB Offset   |
|                          |                               | 372000 to 380000  | 372000 (1860.00MHz),<br>376000 (1880.00MHz),<br>380000 (1900.00MHz) | 20MHz                | QPSK / 16QAM /<br>64QAM | 1 RB / 0 RB Offset   |
| -                        | Modulation<br>Characteristics | 372000 to 380000  | 376000 (1880.00MHz)                                                 | 20MHz                | QPSK / 16QAM /<br>64QAM | 100 RB / 0 RB Offset |
| -                        | Frequency<br>Stability        | 370500 to 381500  | 370500 (1852.50MHz),<br>381500 (1907.50MHz)                         | 5MHz                 | QPSK                    | 1 RB / 0 RB Offset   |
|                          |                               | 371000 to 381000  | 371000 (1855.00MHz),<br>381000 (1905.00MHz)                         | 10MHz                | QPSK                    | 1 RB / 0 RB Offset   |
|                          |                               | 371500 to 380500  | 371500 (1857.50MHz),<br>380500 (1902.50MHz)                         | 15MHz                | QPSK                    | 1 RB / 0 RB Offset   |
|                          |                               | 372000 to 380000  | 372000 (1860.00MHz),<br>380000 (1900.00MHz)                         | 20MHz                | QPSK                    | 1 RB / 0 RB Offset   |
| -                        | Occupied<br>Bandwidth         | 370500 to 381500  | 370500 (1852.50MHz),<br>381500 (1907.50MHz)                         | 5MHz                 | QPSK / 16QAM /<br>64QAM | 25RB / 0RB Offset    |
|                          |                               | 371000 to 381000  | 371000 (1855.00MHz),<br>376000 (1880.00MHz),<br>381000 (1905.00MHz) | 10MHz                | QPSK / 16QAM /<br>64QAM | 50RB / 0RB Offset    |
|                          |                               | 371500 to 380500  | 371500 (1857.50MHz),<br>376000 (1880.00MHz),<br>380500 (1902.50MHz) | 15MHz                | QPSK / 16QAM /<br>64QAM | 75 RB / 0 RB Offset  |
|                          |                               | 372000 to 380000  | 372000 (1860.00MHz),<br>376000 (1880.00MHz),<br>380000 (1900.00MHz) | 20MHz                | QPSK / 16QAM /<br>64QAM | 100 RB / 0 RB Offset |

| EUT Configure Mode | Test item                    | Available channel | Tested Channel                                                      | Channel Bandwidth | Modulation              | Mode                                                               |
|--------------------|------------------------------|-------------------|---------------------------------------------------------------------|-------------------|-------------------------|--------------------------------------------------------------------|
| -                  | Band Edge                    | 370500 to 381500  | 370500 (1852.50MHz),<br>381500 (1907.50MHz)                         | 5MHz              | QPSK                    | 1 RB / 0 RB Offset<br>1 RB / 24 RB Offset<br>25 RB / 0 RB Offset   |
|                    |                              | 371000 to 381000  | 371000 (1855.00MHz),<br>381000 (1905.00MHz)                         | 10MHz             | QPSK                    | 1 RB / 0 RB Offset<br>1 RB / 51 RB Offset<br>52 RB / 0 RB Offset   |
|                    |                              | 371500 to 380500  | 371500 (1857.50MHz),<br>380500 (1902.50MHz)                         | 15MHz             | QPSK                    | 1 RB / 0 RB Offset<br>1 RB / 78 RB Offset<br>79 RB / 0 RB Offset   |
|                    |                              | 372000 to 380000  | 372000 (1860.00MHz),<br>380000 (1900.00MHz)                         | 20MHz             | QPSK                    | 1 RB / 0 RB Offset<br>1 RB / 105 RB Offset<br>106 RB / 0 RB Offset |
| -                  | Peak to Average Ratio        | 370500 to 381500  | 370500 (1852.50MHz),<br>376000 (1880.00MHz),<br>381500 (1907.50MHz) | 5MHz              | QPSK / 16QAM /<br>64QAM | 1 RB / 0 RB Offset                                                 |
|                    |                              | 371000 to 381000  | 371000 (1855.00MHz),<br>376000 (1880.00MHz),<br>381000 (1905.00MHz) | 10MHz             | QPSK / 16QAM /<br>64QAM | 1 RB / 0 RB Offset                                                 |
|                    |                              | 371500 to 380500  | 371500 (1857.50MHz),<br>376000 (1880.00MHz),<br>380500 (1902.50MHz) | 15MHz             | QPSK / 16QAM /<br>64QAM | 1 RB / 0 RB Offset                                                 |
|                    |                              | 372000 to 380000  | 372000 (1860.00MHz),<br>376000 (1880.00MHz),<br>380000 (1900.00MHz) | 20MHz             | QPSK / 16QAM /<br>64QAM | 1 RB / 0 RB Offset                                                 |
| -                  | Conducted Emission           | 370500 to 381500  | 370500 (1852.50MHz),<br>376000 (1880.00MHz),<br>381500 (1907.50MHz) | 5MHz              | QPSK                    | 1 RB / 0 RB Offset                                                 |
|                    |                              | 371000 to 381000  | 371000 (1855.00MHz),<br>376000 (1880.00MHz),<br>381000 (1905.00MHz) | 10MHz             | QPSK                    | 1 RB / 0 RB Offset                                                 |
|                    |                              | 371500 to 380500  | 371500 (1857.50MHz),<br>376000 (1880.00MHz),<br>380500 (1902.50MHz) | 15MHz             | QPSK                    | 1 RB / 0 RB Offset                                                 |
|                    |                              | 372000 to 380000  | 372000 (1860.00MHz),<br>376000 (1880.00MHz),<br>380000 (1900.00MHz) | 20MHz             | QPSK                    | 1 RB / 0 RB Offset                                                 |
| -                  | Radiated Emission Below 1GHz | 370500 to 381500  | 370500 (1852.50MHz)                                                 | 5MHz              | QPSK                    | 1 RB / 0 RB Offset                                                 |
|                    |                              | 371000 to 381000  | 371000 (1855.00MHz)                                                 | 10MHz             | QPSK                    | 1 RB / 0 RB Offset                                                 |
|                    |                              | 372000 to 380000  | 372000 (1860.00MHz)                                                 | 20MHz             | QPSK                    | 1 RB / 0 RB Offset                                                 |
| -                  | Radiated Emission Above 1GHz | 370500 to 381500  | 370500 (1852.50MHz),<br>376000 (1880.00MHz),<br>381500 (1907.50MHz) | 5MHz              | QPSK                    | 1 RB / 0 RB Offset                                                 |
|                    |                              | 371000 to 381000  | 371000 (1855.00MHz),<br>376000 (1880.00MHz),<br>381000 (1905.00MHz) | 10MHz             | QPSK                    | 1 RB / 0 RB Offset                                                 |
|                    |                              | 372000 to 380000  | 372000 (1860.00MHz),<br>376000 (1880.00MHz),<br>380000 (1900.00MHz) | 20MHz             | QPSK                    | 1 RB / 0 RB Offset                                                 |

**Note:**

1. For radiated emission below 1GHz, low, mid and high channels were pre-tested in chamber with 5MHz mode. Low channel was found to be the worst case and therefore had been chosen for all final tests.
2. For radiated emission above 1GHz, according to 3GPP 36.521 Section 6.6.3.1.4, choose the lowest, 5MHz & highest channel bandwidth for final test.
3. The conducted output power for QPSK, 16QAM and 64QAM, measured value of QPSK is higher than 16QAM and 64QAM mode. Therefore, only Modulation characteristics, occupied bandwidth and Peak to average ratio items had been tested under QPSK, 16QAM and 64QAM modes, the other test items were performed under QPSK mode only.

Test Condition:

| Test Item                  | Environmental Conditions | Input Power (system) | Tested By  |
|----------------------------|--------------------------|----------------------|------------|
| EIRP                       | 25deg. C, 70%RH          | 120Vac, 60Hz         | Luis Lee   |
| Modulation Characteristics | 24deg. C, 64%RH          | 120Vac, 60Hz         | James Yang |
| Frequency Stability        | 24deg. C, 64%RH          | 3.85Vdc              | James Yang |
| Occupied Bandwidth         | 24deg. C, 64%RH          | 120Vac, 60Hz         | James Yang |
| Band Edge                  | 24deg. C, 64%RH          | 120Vac, 60Hz         | James Yang |
| Peak To Average Ratio      | 24deg. C, 64%RH          | 120Vac, 60Hz         | James Yang |
| Conducted Emission         | 24deg. C, 64%RH          | 120Vac, 60Hz         | James Yang |
| Radiated Emission          | 25deg. C, 70%RH          | 120Vac, 60Hz         | Luis Lee   |

### 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**

**ANSI 63.2 -1996**

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:

- All measurements were done at low, middle and high operational frequency range. RBW and VBW is 20MHz for NR mode.
- Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m(below or equal 1GHz) and/or 1.5m(above 1GHz) 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 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- 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
- $EIRP = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$ . E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole,  $E.R.P \text{ power} = E.I.R.P \text{ power} - 2.15\text{dBi}$ .

Where:

$$ERP/EIRP = P_{\text{Meas}} + G_T - L_C$$

$P_{\text{Meas}}$  : Measure transmitter output power.

$G_T$  : Gain of the transmitting antenna.

$L_C$  : signal attenuation in the connecting cable between the transmitter and antenna.

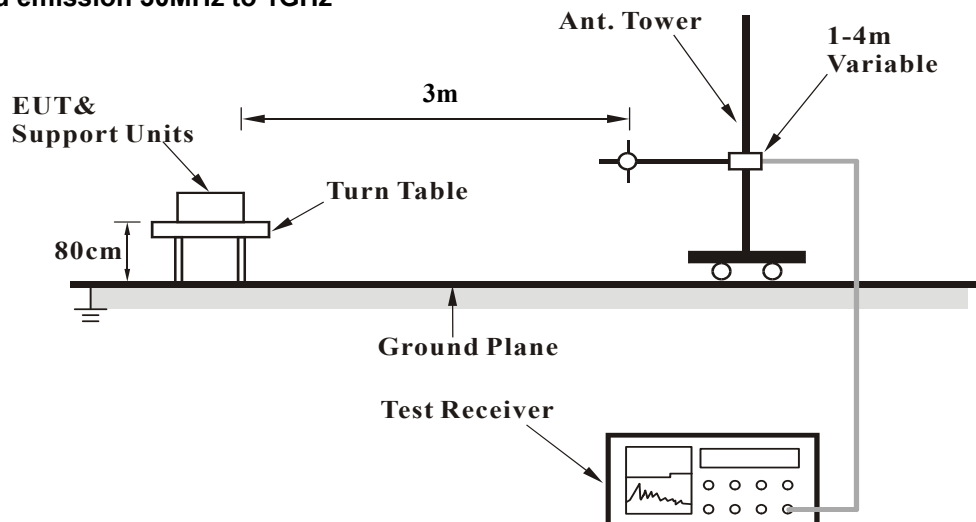
##### Conducted Power Measurement:

The EUT was set up for the maximum power with NR 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.

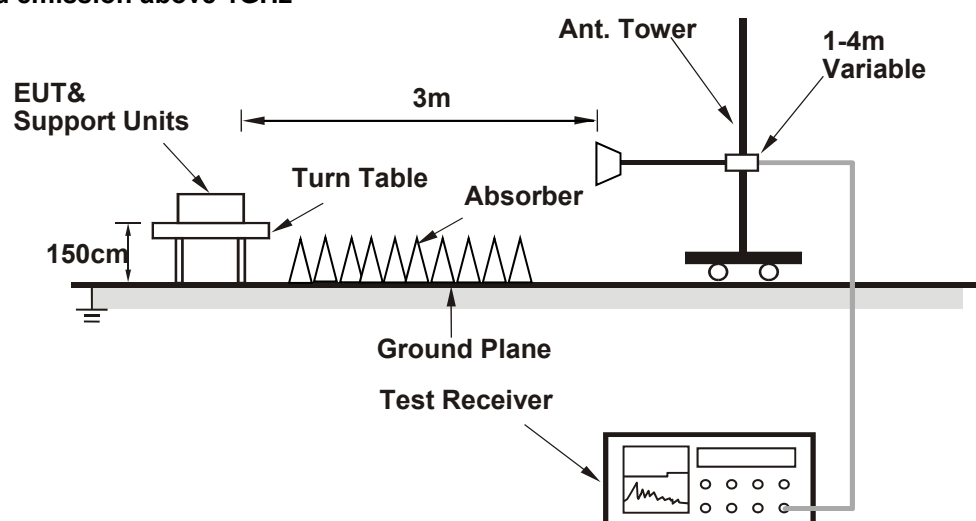
### 4.1.3 Test Setup

EIRP / ERP Measurement:

**For radiated emission 30MHz to 1GHz**



**For radiated emission above 1GHz**



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

Conducted Power Measurement:



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

#### 4.1.4 Test Results

##### Conducted Output Power (dBm)

| NR Band 2 |             |                 |           |        |        |        |               |
|-----------|-------------|-----------------|-----------|--------|--------|--------|---------------|
| BW        | MCS Index   | RB Size         | RB Offset | Low    | Mid    | High   | 3GPP MPR (dB) |
|           |             | Channel         |           | 370500 | 376000 | 381500 |               |
|           |             | Frequency (MHz) |           | 1852.5 | 1880   | 1907.5 |               |
| 5M        | DFT-S_QPSK  | 1               | 0         | 19.00  | 19.34  | 19.27  | 0             |
|           |             | 1               | 12        | 19.09  | 19.43  | 19.36  | 0             |
|           |             | 1               | 24        | 19.22  | 19.56  | 19.49  | 0             |
|           |             | 12              | 0         | 18.89  | 19.23  | 19.16  | 0             |
|           |             | 12              | 6         | 18.93  | 19.27  | 19.20  | 0             |
|           |             | 12              | 13        | 19.08  | 19.42  | 19.35  | 0             |
|           |             | 25              | 0         | 18.90  | 19.24  | 19.17  | 0             |
|           | DFT-S_16QAM | 1               | 0         | 18.98  | 19.32  | 19.25  | 0             |
|           |             | 1               | 12        | 18.99  | 19.33  | 19.26  | 0             |
|           |             | 1               | 24        | 19.03  | 19.37  | 19.30  | 0             |
|           |             | 12              | 0         | 18.89  | 19.23  | 19.16  | 0             |
|           |             | 12              | 6         | 18.92  | 19.26  | 19.19  | 0             |
|           |             | 12              | 13        | 18.99  | 19.33  | 19.26  | 0             |
|           |             | 25              | 0         | 18.95  | 19.29  | 19.22  | 0             |
|           | DFT-S_64QAM | 1               | 0         | 18.92  | 19.26  | 19.19  | 0             |
|           |             | 1               | 12        | 19.00  | 19.34  | 19.27  | 0             |
|           |             | 1               | 24        | 19.04  | 19.38  | 19.31  | 0             |
|           |             | 12              | 0         | 18.89  | 19.23  | 19.16  | 0             |
|           |             | 12              | 6         | 18.98  | 19.32  | 19.25  | 0             |
|           |             | 12              | 13        | 19.03  | 19.37  | 19.30  | 0             |
|           |             | 25              | 0         | 19.02  | 19.36  | 19.29  | 0             |

| NR Band 2 |           |                 |           |        |        |        |               |
|-----------|-----------|-----------------|-----------|--------|--------|--------|---------------|
| BW        | MCS Index | RB Size         | RB Offset | Low    | Mid    | High   | 3GPP MPR (dB) |
|           |           | Channel         |           | 370500 | 376000 | 381500 |               |
|           |           | Frequency (MHz) |           | 1852.5 | 1880   | 1907.5 |               |
| 5M        | CP_QPSK   | 1               | 0         | 18.99  | 19.33  | 19.26  | 0             |
|           |           | 1               | 12        | 19.01  | 19.35  | 19.28  | 0             |
|           |           | 1               | 24        | 19.08  | 19.42  | 19.35  | 0             |
|           |           | 12              | 0         | 18.88  | 19.22  | 19.15  | 0             |
|           |           | 12              | 6         | 18.99  | 19.33  | 19.26  | 0             |
|           |           | 12              | 13        | 19.02  | 19.36  | 19.29  | 0             |
|           |           | 25              | 0         | 18.95  | 19.29  | 19.22  | 0             |
|           | CP_16QAM  | 1               | 0         | 18.88  | 19.22  | 19.15  | 0             |
|           |           | 1               | 12        | 18.93  | 19.27  | 19.20  | 0             |
|           |           | 1               | 24        | 18.85  | 19.19  | 19.12  | 0             |
|           |           | 12              | 0         | 18.86  | 19.20  | 19.13  | 0             |
|           |           | 12              | 6         | 18.90  | 19.24  | 19.17  | 0             |
|           |           | 12              | 13        | 18.86  | 19.20  | 19.13  | 0             |
|           |           | 25              | 0         | 18.84  | 19.18  | 19.11  | 0             |
|           | CP_64QAM  | 1               | 0         | 18.63  | 18.97  | 18.90  | 0             |
|           |           | 1               | 12        | 18.78  | 19.12  | 19.05  | 0             |
|           |           | 1               | 24        | 18.89  | 19.23  | 19.16  | 0             |
|           |           | 12              | 0         | 18.74  | 19.08  | 19.01  | 0             |
|           |           | 12              | 6         | 18.82  | 19.16  | 19.09  | 0             |
|           |           | 12              | 13        | 18.88  | 19.22  | 19.15  | 0             |
|           |           | 25              | 0         | 18.86  | 19.20  | 19.13  | 0             |

| NR Band 2 |             |                 |           |        |        |        |               |
|-----------|-------------|-----------------|-----------|--------|--------|--------|---------------|
| BW        | MCS Index   | RB Size         | RB Offset | Low    | Mid    | High   | 3GPP MPR (dB) |
|           |             | Channel         |           | 371000 | 376000 | 381000 |               |
|           |             | Frequency (MHz) |           | 1855   | 1880   | 1905   |               |
| 10M       | DFT-S_QPSK  | 1               | 0         | 19.02  | 19.36  | 19.29  | 0             |
|           |             | 1               | 26        | 19.11  | 19.45  | 19.38  | 0             |
|           |             | 1               | 51        | 19.24  | 19.58  | 19.51  | 0             |
|           |             | 26              | 0         | 18.91  | 19.25  | 19.18  | 0             |
|           |             | 26              | 13        | 18.95  | 19.29  | 19.22  | 0             |
|           |             | 26              | 26        | 19.10  | 19.44  | 19.37  | 0             |
|           |             | 52              | 0         | 18.92  | 19.26  | 19.19  | 0             |
|           | DFT-S_16QAM | 1               | 0         | 19.00  | 19.34  | 19.27  | 0             |
|           |             | 1               | 26        | 19.01  | 19.35  | 19.28  | 0             |
|           |             | 1               | 51        | 19.05  | 19.39  | 19.32  | 0             |
|           |             | 26              | 0         | 18.91  | 19.25  | 19.18  | 0             |
|           |             | 26              | 13        | 18.94  | 19.28  | 19.21  | 0             |
|           |             | 26              | 26        | 19.01  | 19.35  | 19.28  | 0             |
|           |             | 52              | 0         | 18.97  | 19.31  | 19.24  | 0             |
|           | DFT-S_64QAM | 1               | 0         | 18.94  | 19.28  | 19.21  | 0             |
|           |             | 1               | 26        | 19.02  | 19.36  | 19.29  | 0             |
|           |             | 1               | 51        | 19.06  | 19.40  | 19.33  | 0             |
|           |             | 26              | 0         | 18.91  | 19.25  | 19.18  | 0             |
|           |             | 26              | 13        | 19.00  | 19.34  | 19.27  | 0             |
|           |             | 26              | 26        | 19.05  | 19.39  | 19.32  | 0             |
|           |             | 52              | 0         | 19.04  | 19.38  | 19.31  | 0             |

| NR Band 2 |           |                 |           |        |        |        |               |
|-----------|-----------|-----------------|-----------|--------|--------|--------|---------------|
| BW        | MCS Index | RB Size         | RB Offset | Low    | Mid    | High   | 3GPP MPR (dB) |
|           |           | Channel         |           | 371000 | 376000 | 381000 |               |
|           |           | Frequency (MHz) |           | 1855   | 1880   | 1905   |               |
| 10M       | CP_QPSK   | 1               | 0         | 19.01  | 19.35  | 19.28  | 0             |
|           |           | 1               | 26        | 19.03  | 19.37  | 19.30  | 0             |
|           |           | 1               | 51        | 19.10  | 19.44  | 19.37  | 0             |
|           |           | 26              | 0         | 18.90  | 19.24  | 19.17  | 0             |
|           |           | 26              | 13        | 19.01  | 19.35  | 19.28  | 0             |
|           |           | 26              | 26        | 19.04  | 19.38  | 19.31  | 0             |
|           |           | 52              | 0         | 18.97  | 19.31  | 19.24  | 0             |
|           | CP_16QAM  | 1               | 0         | 18.90  | 19.24  | 19.17  | 0             |
|           |           | 1               | 26        | 18.95  | 19.29  | 19.22  | 0             |
|           |           | 1               | 51        | 18.87  | 19.21  | 19.14  | 0             |
|           |           | 26              | 0         | 18.88  | 19.22  | 19.15  | 0             |
|           |           | 26              | 13        | 18.92  | 19.26  | 19.19  | 0             |
|           |           | 26              | 26        | 18.88  | 19.22  | 19.15  | 0             |
|           |           | 52              | 0         | 18.86  | 19.20  | 19.13  | 0             |
|           | CP_64QAM  | 1               | 0         | 18.65  | 18.99  | 18.92  | 0             |
|           |           | 1               | 26        | 18.80  | 19.14  | 19.07  | 0             |
|           |           | 1               | 51        | 18.91  | 19.25  | 19.18  | 0             |
|           |           | 26              | 0         | 18.76  | 19.10  | 19.03  | 0             |
|           |           | 26              | 13        | 18.84  | 19.18  | 19.11  | 0             |
|           |           | 26              | 26        | 18.90  | 19.24  | 19.17  | 0             |
|           |           | 52              | 0         | 18.88  | 19.22  | 19.15  | 0             |

| NR Band 2 |             |                 |           |        |        |        |               |
|-----------|-------------|-----------------|-----------|--------|--------|--------|---------------|
| BW        | MCS Index   | RB Size         | RB Offset | Low    | Mid    | High   | 3GPP MPR (dB) |
|           |             | Channel         |           | 371500 | 376000 | 380500 |               |
|           |             | Frequency (MHz) |           | 1857.5 | 1880   | 1902.5 |               |
| 15M       | DFT-S_QPSK  | 1               | 0         | 19.06  | 19.40  | 19.33  | 0             |
|           |             | 1               | 39        | 19.15  | 19.49  | 19.42  | 0             |
|           |             | 1               | 78        | 19.28  | 19.62  | 19.55  | 0             |
|           |             | 39              | 0         | 18.95  | 19.29  | 19.22  | 0             |
|           |             | 39              | 19        | 18.99  | 19.33  | 19.26  | 0             |
|           |             | 39              | 40        | 19.14  | 19.48  | 19.41  | 0             |
|           |             | 79              | 0         | 18.96  | 19.30  | 19.23  | 0             |
|           | DFT-S_16QAM | 1               | 0         | 19.04  | 19.38  | 19.31  | 0             |
|           |             | 1               | 39        | 19.05  | 19.39  | 19.32  | 0             |
|           |             | 1               | 78        | 19.09  | 19.43  | 19.36  | 0             |
|           |             | 39              | 0         | 18.95  | 19.29  | 19.22  | 0             |
|           |             | 39              | 19        | 18.98  | 19.32  | 19.25  | 0             |
|           |             | 39              | 40        | 19.05  | 19.39  | 19.32  | 0             |
|           |             | 79              | 0         | 19.01  | 19.35  | 19.28  | 0             |
|           | DFT-S_64QAM | 1               | 0         | 18.98  | 19.32  | 19.25  | 0             |
|           |             | 1               | 39        | 19.06  | 19.40  | 19.33  | 0             |
|           |             | 1               | 78        | 19.10  | 19.44  | 19.37  | 0             |
|           |             | 39              | 0         | 18.95  | 19.29  | 19.22  | 0             |
|           |             | 39              | 19        | 19.04  | 19.38  | 19.31  | 0             |
|           |             | 39              | 40        | 19.09  | 19.43  | 19.36  | 0             |
|           |             | 79              | 0         | 19.08  | 19.42  | 19.35  | 0             |

| NR Band 2 |           |                 |           |        |        |        |               |
|-----------|-----------|-----------------|-----------|--------|--------|--------|---------------|
| BW        | MCS Index | RB Size         | RB Offset | Low    | Mid    | High   | 3GPP MPR (dB) |
|           |           | Channel         |           | 371500 | 376000 | 380500 |               |
|           |           | Frequency (MHz) |           | 1857.5 | 1880   | 1902.5 |               |
| 15M       | CP_QPSK   | 1               | 0         | 19.05  | 19.39  | 19.32  | 0             |
|           |           | 1               | 39        | 19.07  | 19.41  | 19.34  | 0             |
|           |           | 1               | 78        | 19.14  | 19.48  | 19.41  | 0             |
|           |           | 39              | 0         | 18.94  | 19.28  | 19.21  | 0             |
|           |           | 39              | 19        | 19.05  | 19.39  | 19.32  | 0             |
|           |           | 39              | 40        | 19.08  | 19.42  | 19.35  | 0             |
|           |           | 79              | 0         | 19.01  | 19.35  | 19.28  | 0             |
|           | CP_16QAM  | 1               | 0         | 18.94  | 19.28  | 19.21  | 0             |
|           |           | 1               | 39        | 18.99  | 19.33  | 19.26  | 0             |
|           |           | 1               | 78        | 18.91  | 19.25  | 19.18  | 0             |
|           |           | 39              | 0         | 18.92  | 19.26  | 19.19  | 0             |
|           |           | 39              | 19        | 18.96  | 19.30  | 19.23  | 0             |
|           |           | 39              | 40        | 18.92  | 19.26  | 19.19  | 0             |
|           |           | 79              | 0         | 18.90  | 19.24  | 19.17  | 0             |
|           | CP_64QAM  | 1               | 0         | 18.69  | 19.03  | 18.96  | 0             |
|           |           | 1               | 39        | 18.84  | 19.18  | 19.11  | 0             |
|           |           | 1               | 78        | 18.95  | 19.29  | 19.22  | 0             |
|           |           | 39              | 0         | 18.80  | 19.14  | 19.07  | 0             |
|           |           | 39              | 19        | 18.88  | 19.22  | 19.15  | 0             |
|           |           | 39              | 40        | 18.94  | 19.28  | 19.21  | 0             |
|           |           | 79              | 0         | 18.92  | 19.26  | 19.19  | 0             |

| NR Band 2 |             |                 |           |        |        |        |               |
|-----------|-------------|-----------------|-----------|--------|--------|--------|---------------|
| BW        | MCS Index   | RB Size         | RB Offset | Low    | Mid    | High   | 3GPP MPR (dB) |
|           |             | Channel         |           | 372000 | 376000 | 380000 |               |
|           |             | Frequency (MHz) |           | 1860   | 1880   | 1900   |               |
| 20M       | DFT-S_QPSK  | 1               | 0         | 19.09  | 19.43  | 19.36  | 0             |
|           |             | 1               | 53        | 19.18  | 19.52  | 19.45  | 0             |
|           |             | 1               | 105       | 19.31  | 19.65  | 19.58  | 0             |
|           |             | 50              | 0         | 18.98  | 19.32  | 19.25  | 0             |
|           |             | 50              | 25        | 19.02  | 19.36  | 19.29  | 0             |
|           |             | 50              | 50        | 19.17  | 19.51  | 19.44  | 0             |
|           |             | 100             | 0         | 18.99  | 19.33  | 19.26  | 0             |
|           | DFT-S_16QAM | 1               | 0         | 19.07  | 19.41  | 19.34  | 0             |
|           |             | 1               | 53        | 19.08  | 19.42  | 19.35  | 0             |
|           |             | 1               | 105       | 19.12  | 19.46  | 19.39  | 0             |
|           |             | 50              | 0         | 18.98  | 19.32  | 19.25  | 0             |
|           |             | 50              | 25        | 19.01  | 19.35  | 19.28  | 0             |
|           |             | 50              | 50        | 19.08  | 19.42  | 19.35  | 0             |
|           |             | 100             | 0         | 19.04  | 19.38  | 19.31  | 0             |
|           | DFT-S_64QAM | 1               | 0         | 19.01  | 19.35  | 19.28  | 0             |
|           |             | 1               | 53        | 19.09  | 19.43  | 19.36  | 0             |
|           |             | 1               | 105       | 19.13  | 19.47  | 19.40  | 0             |
|           |             | 50              | 0         | 18.98  | 19.32  | 19.25  | 0             |
|           |             | 50              | 25        | 19.07  | 19.41  | 19.34  | 0             |
|           |             | 50              | 50        | 19.12  | 19.46  | 19.39  | 0             |
|           |             | 100             | 0         | 19.11  | 19.45  | 19.38  | 0             |

| NR Band 2 |           |                 |           |        |        |        |               |
|-----------|-----------|-----------------|-----------|--------|--------|--------|---------------|
| BW        | MCS Index | RB Size         | RB Offset | Low    | Mid    | High   | 3GPP MPR (dB) |
|           |           | Channel         |           | 372000 | 376000 | 380000 |               |
|           |           | Frequency (MHz) |           | 1860   | 1880   | 1900   |               |
| 20M       | CP_QPSK   | 1               | 0         | 19.08  | 19.42  | 19.35  | 0             |
|           |           | 1               | 53        | 19.10  | 19.44  | 19.37  | 0             |
|           |           | 1               | 105       | 19.17  | 19.51  | 19.44  | 0             |
|           |           | 50              | 0         | 18.97  | 19.31  | 19.24  | 0             |
|           |           | 53              | 26        | 19.08  | 19.42  | 19.35  | 0             |
|           |           | 50              | 50        | 19.11  | 19.45  | 19.38  | 0             |
|           |           | 106             | 0         | 19.04  | 19.38  | 19.31  | 0             |
|           | CP_16QAM  | 1               | 0         | 18.97  | 19.31  | 19.24  | 0             |
|           |           | 1               | 53        | 19.02  | 19.36  | 19.29  | 0             |
|           |           | 1               | 105       | 18.94  | 19.28  | 19.21  | 0             |
|           |           | 50              | 0         | 18.95  | 19.29  | 19.22  | 0             |
|           |           | 53              | 26        | 18.99  | 19.33  | 19.26  | 0             |
|           |           | 50              | 50        | 18.95  | 19.29  | 19.22  | 0             |
|           |           | 106             | 0         | 18.93  | 19.27  | 19.20  | 0             |
|           | CP_64QAM  | 1               | 0         | 18.72  | 19.06  | 18.99  | 0             |
|           |           | 1               | 53        | 18.87  | 19.21  | 19.14  | 0             |
|           |           | 1               | 105       | 18.98  | 19.32  | 19.25  | 0             |
|           |           | 50              | 0         | 18.83  | 19.17  | 19.10  | 0             |
|           |           | 53              | 26        | 18.91  | 19.25  | 19.18  | 0             |
|           |           | 50              | 50        | 18.97  | 19.31  | 19.24  | 0             |
|           |           | 106             | 0         | 18.95  | 19.29  | 19.22  | 0             |



## NR Band 2, Channel Bandwidth 10MHz

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 371000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1855.00     | -20.3             | 19.7                  | 1.0                    | 20.7       | 33.0        | -12.3       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1855.00     | -26.6             | 12.2                  | 1.0                    | 13.2       | 33.0        | -19.8       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 376000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -20.5             | 19.6                  | 1.1                    | 20.7       | 33.0        | -12.3       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -27.4             | 11.1                  | 1.1                    | 12.2       | 33.0        | -20.8       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 381000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1905.00     | -20.6             | 19.8                  | 1.1                    | 20.9       | 33.0        | -12.1       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1905.00     | -27.8             | 10.6                  | 1.1                    | 11.7       | 33.0        | -21.3       |

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

## NR Band 2, Channel Bandwidth 15MHz

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 371500 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1857.50     | -20.4             | 19.5                  | 1.1                    | 20.6       | 33.0        | -12.4       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1857.50     | -26.9             | 11.8                  | 1.1                    | 12.9       | 33.0        | -20.1       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 376000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -20.5             | 19.6                  | 1.1                    | 20.7       | 33.0        | -12.3       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -27.8             | 10.7                  | 1.1                    | 11.8       | 33.0        | -21.2       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 380500 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1902.50     | -20.6             | 19.8                  | 1.1                    | 20.9       | 33.0        | -12.1       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1902.50     | -28.0             | 10.4                  | 1.1                    | 11.5       | 33.0        | -21.5       |

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

NR Band 2, Channel Bandwidth 20MHz

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 372000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1860.00     | -20.3             | 19.6                  | 1.1                    | 20.7       | 33.0        | -12.3       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1860.00     | -26.7             | 11.9                  | 1.1                    | 13.0       | 33.0        | -20.0       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 376000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -20.4             | 19.7                  | 1.1                    | 20.8       | 33.0        | -12.2       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -27.6             | 10.9                  | 1.1                    | 12.0       | 33.0        | -21.0       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 380000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1900.00     | -20.4             | 20.0                  | 1.1                    | 21.1       | 33.0        | -11.9       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1900.00     | -27.7             | 10.6                  | 1.1                    | 11.7       | 33.0        | -21.3       |

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

# Modulation Type: 16QAM

NR Band 2, Channel Bandwidth 5MHz

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 370500 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1852.50     | -20.6             | 19.3                  | 1.0                    | 20.3       | 33.0        | -12.7       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1852.50     | -27.1             | 11.7                  | 1.0                    | 12.7       | 33.0        | -20.3       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 376000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -20.8             | 19.3                  | 1.1                    | 20.4       | 33.0        | -12.6       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -27.9             | 10.6                  | 1.1                    | 11.7       | 33.0        | -21.3       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 381500 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1907.50     | -21.0             | 19.4                  | 1.1                    | 20.5       | 33.0        | -12.5       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1907.50     | -28.2             | 10.2                  | 1.1                    | 11.3       | 33.0        | -21.7       |

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

NR Band 2, Channel Bandwidth 10MHz

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 371000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1855.00     | -20.7             | 19.3                  | 1.0                    | 20.3       | 33.0        | -12.7       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1855.00     | -27.2             | 11.6                  | 1.0                    | 12.6       | 33.0        | -20.4       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 376000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -20.8             | 19.3                  | 1.1                    | 20.4       | 33.0        | -12.6       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -28.0             | 10.5                  | 1.1                    | 11.6       | 33.0        | -21.4       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 381000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1905.00     | -21.1             | 19.3                  | 1.1                    | 20.4       | 33.0        | -12.6       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1905.00     | -28.3             | 10.1                  | 1.1                    | 11.2       | 33.0        | -21.8       |

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

## NR Band 2, Channel Bandwidth 15MHz

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 371500 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1857.50     | -20.8             | 19.1                  | 1.1                    | 20.2       | 33.0        | -12.8       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1857.50     | -27.5             | 11.2                  | 1.1                    | 12.3       | 33.0        | -20.7       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 376000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -21.0             | 19.1                  | 1.1                    | 20.2       | 33.0        | -12.8       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -28.3             | 10.2                  | 1.1                    | 11.3       | 33.0        | -21.7       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 380500 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1902.50     | -21.3             | 19.1                  | 1.1                    | 20.2       | 33.0        | -12.8       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1902.50     | -28.5             | 9.9                   | 1.1                    | 11.0       | 33.0        | -22.0       |

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

NR Band 2, Channel Bandwidth 20MHz

|                                                         |             |                   |                       |                        |            |             |             |
|---------------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                    |             | TX channel 372000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M     |             |                   |                       |                        |            |             |             |
| No.                                                     | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                       | 1860.00     | -20.6             | 19.3                  | 1.1                    | 20.4       | 33.0        | -12.6       |
| Antenna Polarity & Tes372000t Distance: Vertical at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                     | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                       | 1860.00     | -27.3             | 11.3                  | 1.1                    | 12.4       | 33.0        | -20.6       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 376000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -20.9             | 19.2                  | 1.1                    | 20.3       | 33.0        | -12.7       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -28.1             | 10.4                  | 1.1                    | 11.5       | 33.0        | -21.5       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 380000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1900.00     | -21.1             | 19.3                  | 1.1                    | 20.4       | 33.0        | -12.6       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1900.00     | -28.3             | 10.0                  | 1.1                    | 11.1       | 33.0        | -21.9       |

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

# Modulation Type: 64QAM

NR Band 2, Channel Bandwidth 5MHz

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 370500 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1852.50     | -21.6             | 18.3                  | 1.0                    | 19.3       | 33.0        | -13.7       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1852.50     | -27.1             | 11.7                  | 1.0                    | 12.7       | 33.0        | -20.3       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 376000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -21.8             | 18.3                  | 1.1                    | 19.4       | 33.0        | -13.6       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -28.9             | 9.6                   | 1.1                    | 10.7       | 33.0        | -22.3       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 381500 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1907.50     | -22.0             | 18.4                  | 1.1                    | 19.5       | 33.0        | -13.5       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1907.50     | -29.2             | 9.2                   | 1.1                    | 10.3       | 33.0        | -22.7       |

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

NR Band 2, Channel Bandwidth 10MHz

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 371000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1855.00     | -21.7             | 18.3                  | 1.0                    | 19.3       | 33.0        | -13.7       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1855.00     | -27.8             | 11.0                  | 1.0                    | 12.0       | 33.0        | -21.0       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 376000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -21.9             | 18.2                  | 1.1                    | 19.3       | 33.0        | -13.7       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -29.0             | 9.5                   | 1.1                    | 10.6       | 33.0        | -22.4       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 381000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1905.00     | -22.1             | 18.3                  | 1.1                    | 19.4       | 33.0        | -13.6       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1905.00     | -29.3             | 9.1                   | 1.1                    | 10.2       | 33.0        | -22.8       |

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

NR Band 2, Channel Bandwidth 15MHz

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 371500 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1857.50     | -22.0             | 17.9                  | 1.1                    | 19.0       | 33.0        | -14.0       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1857.50     | -27.8             | 10.9                  | 1.1                    | 12.0       | 33.0        | -21.0       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 376000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -22.2             | 17.9                  | 1.1                    | 19.0       | 33.0        | -14.0       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -29.2             | 9.3                   | 1.1                    | 10.4       | 33.0        | -22.6       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 380500 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1902.50     | -22.5             | 17.9                  | 1.1                    | 19.0       | 33.0        | -14.0       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1902.50     | -29.5             | 8.9                   | 1.1                    | 10.0       | 33.0        | -23.0       |

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

NR Band 2, Channel Bandwidth 20MHz

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 372000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1860.00     | -21.8             | 18.1                  | 1.1                    | 19.2       | 33.0        | -13.8       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1860.00     | -27.4             | 11.2                  | 1.1                    | 12.3       | 33.0        | -20.7       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 376000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -22.0             | 18.1                  | 1.1                    | 19.2       | 33.0        | -13.8       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -29.1             | 9.4                   | 1.1                    | 10.5       | 33.0        | -22.5       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 380000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1900.00     | -22.3             | 18.1                  | 1.1                    | 19.2       | 33.0        | -13.8       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1900.00     | -29.3             | 9.0                   | 1.1                    | 10.1       | 33.0        | -22.9       |

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

# Full RB

Modulation Type: QPSK

NR Band 2, Channel Bandwidth 5MHz

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 370500 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1852.50     | -21.1             | 18.8                  | 1.0                    | 19.8       | 33.0        | -13.2       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1852.50     | -27.1             | 11.7                  | 1.0                    | 12.7       | 33.0        | -20.3       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 376000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -21.2             | 18.9                  | 1.1                    | 20.0       | 33.0        | -13.0       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -28.3             | 10.2                  | 1.1                    | 11.3       | 33.0        | -21.7       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 381500 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1907.50     | -21.4             | 19.0                  | 1.1                    | 20.1       | 33.0        | -12.9       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1907.50     | -28.6             | 9.8                   | 1.1                    | 10.9       | 33.0        | -22.1       |

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

NR Band 2, Channel Bandwidth 10MHz

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 371000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1855.00     | -21.2             | 18.8                  | 1.0                    | 19.8       | 33.0        | -13.2       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1855.00     | -27.6             | 11.2                  | 1.0                    | 12.2       | 33.0        | -20.8       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 376000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -21.3             | 18.8                  | 1.1                    | 19.9       | 33.0        | -13.1       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -28.4             | 10.1                  | 1.1                    | 11.2       | 33.0        | -21.8       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 381000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1905.00     | -21.4             | 19.0                  | 1.1                    | 20.1       | 33.0        | -12.9       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1905.00     | -28.6             | 9.8                   | 1.1                    | 10.9       | 33.0        | -22.1       |

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

NR Band 2, Channel Bandwidth 15MHz

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 371500 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1857.50     | -21.3             | 18.6                  | 1.1                    | 19.7       | 33.0        | -13.3       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1857.50     | -27.8             | 10.9                  | 1.1                    | 12.0       | 33.0        | -21.0       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 376000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -21.6             | 18.5                  | 1.1                    | 19.6       | 33.0        | -13.4       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -28.6             | 9.9                   | 1.1                    | 11.0       | 33.0        | -22.0       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 380500 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1902.50     | -21.7             | 18.7                  | 1.1                    | 19.8       | 33.0        | -13.2       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1902.50     | -29.0             | 9.4                   | 1.1                    | 10.5       | 33.0        | -22.5       |

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

NR Band 2, Channel Bandwidth 20MHz

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 372000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1860.00     | -21.1             | 18.8                  | 1.1                    | 19.9       | 33.0        | -13.1       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1860.00     | -27.6             | 11.0                  | 1.1                    | 12.1       | 33.0        | -20.9       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 376000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -21.3             | 18.8                  | 1.1                    | 19.9       | 33.0        | -13.1       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -28.4             | 10.1                  | 1.1                    | 11.2       | 33.0        | -21.8       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 380000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1900.00     | -21.5             | 18.9                  | 1.1                    | 20.0       | 33.0        | -13.0       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1900.00     | -28.7             | 9.6                   | 1.1                    | 10.7       | 33.0        | -22.3       |

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

**Modulation Type: 16QAM**

NR Band 2, Channel Bandwidth 5MHz

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 370500 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1852.50     | -21.7             | 18.2                  | 1.0                    | 19.2       | 33.0        | -13.8       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1852.50     | -28.2             | 10.6                  | 1.0                    | 11.6       | 33.0        | -21.4       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 376000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -21.8             | 18.3                  | 1.1                    | 19.4       | 33.0        | -13.6       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -28.9             | 9.6                   | 1.1                    | 10.7       | 33.0        | -22.3       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 381500 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1907.50     | -22.0             | 18.4                  | 1.1                    | 19.5       | 33.0        | -13.5       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1907.50     | -29.2             | 9.2                   | 1.1                    | 10.3       | 33.0        | -22.7       |

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

NR Band 2, Channel Bandwidth 10MHz

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 371000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1855.00     | -21.8             | 18.2                  | 1.0                    | 19.2       | 33.0        | -13.8       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1855.00     | -28.3             | 10.5                  | 1.0                    | 11.5       | 33.0        | -21.5       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 376000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -22.0             | 18.1                  | 1.1                    | 19.2       | 33.0        | -13.8       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -29.0             | 9.5                   | 1.1                    | 10.6       | 33.0        | -22.4       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 381000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1905.00     | -22.1             | 18.3                  | 1.1                    | 19.4       | 33.0        | -13.6       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1905.00     | -29.4             | 9.0                   | 1.1                    | 10.1       | 33.0        | -22.9       |

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

NR Band 2, Channel Bandwidth 15MHz

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 371500 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1857.50     | -22.0             | 17.9                  | 1.1                    | 19.0       | 33.0        | -14.0       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1857.50     | -28.7             | 10.0                  | 1.1                    | 11.1       | 33.0        | -21.9       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 376000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -22.1             | 18.0                  | 1.1                    | 19.1       | 33.0        | -13.9       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -29.3             | 9.2                   | 1.1                    | 10.3       | 33.0        | -22.7       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 380500 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1902.50     | -22.3             | 18.1                  | 1.1                    | 19.2       | 33.0        | -13.8       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1902.50     | -29.5             | 8.9                   | 1.1                    | 10.0       | 33.0        | -23.0       |

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

## NR Band 2, Channel Bandwidth 20MHz

|                                                         |             |                   |                       |                        |            |             |             |
|---------------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                    |             | TX channel 372000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M     |             |                   |                       |                        |            |             |             |
| No.                                                     | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                       | 1860.00     | -21.9             | 18.0                  | 1.1                    | 19.1       | 33.0        | -13.9       |
| Antenna Polarity & Tes372000t Distance: Vertical at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                     | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                       | 1860.00     | -28.3             | 10.3                  | 1.1                    | 11.4       | 33.0        | -21.6       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 376000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -21.9             | 18.2                  | 1.1                    | 19.3       | 33.0        | -13.7       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -29.1             | 9.4                   | 1.1                    | 10.5       | 33.0        | -22.5       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 380000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1900.00     | -22.2             | 18.2                  | 1.1                    | 19.3       | 33.0        | -13.7       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1900.00     | -29.3             | 9.0                   | 1.1                    | 10.1       | 33.0        | -22.9       |

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

# Modulation Type: 64QAM

NR Band 2, Channel Bandwidth 5MHz

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 370500 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1852.50     | -22.6             | 17.3                  | 1.0                    | 18.3       | 33.0        | -14.7       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1852.50     | -29.1             | 9.7                   | 1.0                    | 10.7       | 33.0        | -22.3       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 376000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -22.8             | 17.3                  | 1.1                    | 18.4       | 33.0        | -14.6       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -29.9             | 8.6                   | 1.1                    | 9.7        | 33.0        | -23.3       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 381500 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1907.50     | -23.0             | 17.4                  | 1.1                    | 18.5       | 33.0        | -14.5       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1907.50     | -30.2             | 8.2                   | 1.1                    | 9.3        | 33.0        | -23.7       |

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

NR Band 2, Channel Bandwidth 10MHz

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 371000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1855.00     | -22.7             | 17.3                  | 1.0                    | 18.3       | 33.0        | -14.7       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1855.00     | -28.7             | 10.1                  | 1.0                    | 11.1       | 33.0        | -21.9       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 376000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -22.9             | 17.2                  | 1.1                    | 18.3       | 33.0        | -14.7       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -30.1             | 8.4                   | 1.1                    | 9.5        | 33.0        | -23.5       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 381000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1905.00     | -23.2             | 17.2                  | 1.1                    | 18.3       | 33.0        | -14.7       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1905.00     | -30.4             | 8.0                   | 1.1                    | 9.1        | 33.0        | -23.9       |

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

NR Band 2, Channel Bandwidth 15MHz

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 371500 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1857.50     | -23.0             | 16.9                  | 1.1                    | 18.0       | 33.0        | -15.0       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1857.50     | -28.8             | 9.9                   | 1.1                    | 11.0       | 33.0        | -22.0       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 376000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -23.1             | 17.0                  | 1.1                    | 18.1       | 33.0        | -14.9       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -30.3             | 8.2                   | 1.1                    | 9.3        | 33.0        | -23.7       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 380500 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1902.50     | -23.5             | 16.9                  | 1.1                    | 18.0       | 33.0        | -15.0       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1902.50     | -30.7             | 7.7                   | 1.1                    | 8.8        | 33.0        | -24.2       |

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

NR Band 2, Channel Bandwidth 20MHz

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 372000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1860.00     | -22.9             | 17.0                  | 1.1                    | 18.1       | 33.0        | -14.9       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1860.00     | -28.6             | 10.0                  | 1.1                    | 11.1       | 33.0        | -21.9       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 376000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -23.0             | 17.1                  | 1.1                    | 18.2       | 33.0        | -14.8       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1880.00     | -30.2             | 8.3                   | 1.1                    | 9.4        | 33.0        | -23.6       |

|                                                     |             |                   |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|-------------------|-----------------------|------------------------|------------|-------------|-------------|
| Mode                                                |             | TX channel 380000 |                       |                        |            |             |             |
| Antenna Polarity & Test Distance: Horizontal at 3 M |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1900.00     | -23.3             | 17.1                  | 1.1                    | 18.2       | 33.0        | -14.8       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |                   |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm)     | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 1900.00     | -30.4             | 7.9                   | 1.1                    | 9.0        | 33.0        | -24.0       |

Note: EIRP (dBm) = S.G Power Value (dBm) + Correction Factor (dB).

## 4.2 Modulation Characteristics Measurement

### 4.2.1 Limits of Modulation Characteristics

N/A

### 4.2.2 Test Procedure

Connect the EUT to Communication Simulator via the antenna connector, The frequency band is set as EUT supported Modulation and Channels, the EUT output is matched with 50 ohm load, the waveform quality and constellation of the EUT was tested.

### 4.2.3 Test Setup



## 4.2.4 Test Results



### 4.3 Frequency Stability Measurement

#### 4.3.1 Limits of Frequency Stability Measurement

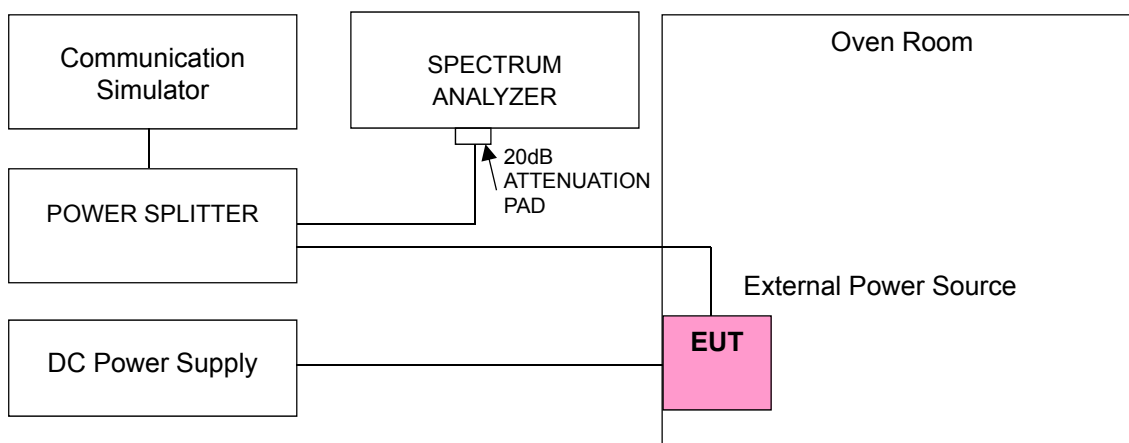
The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

#### 4.3.2 Test Procedure

- Device is placed at the oven room. The oven room could control the temperatures and humidity. Power warm up is at least 15 min and power applied should perform before recording frequency error.
- EUT is connected the external power supply to control the DC input power. The test voltage range is from minimum to maximum working voltage. Each step shall be record the frequency error rate.
- The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the  $\pm 0.5^{\circ}\text{C}$  during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

Note: The frequency error was recorded frequency error from the communication simulator.

#### 4.3.3 Conducted Setup



#### 4.3.4 Test Results

##### Frequency Error vs. Voltage

| Voltage (Volts) | NR Band 2                |                       |                 |                       |
|-----------------|--------------------------|-----------------------|-----------------|-----------------------|
|                 | Channel Bandwidth: 5 MHz |                       |                 |                       |
|                 | Low Channel              |                       | High Channel    |                       |
|                 | Frequency (MHz)          | Frequency Error (ppm) | Frequency (MHz) | Frequency Error (ppm) |
| 3.4             | 1852.500002              | 0.001                 | 1907.500001     | 0.001                 |
| 3.85            | 1852.500001              | 0.001                 | 1907.500003     | 0.002                 |
| 4.4             | 1852.500003              | 0.001                 | 1907.500002     | 0.001                 |

Note: The applicant defined the normal working voltage is from 3.4Vdc to 4.4Vdc.

##### Frequency Error vs. Temperature

| Temp. (°C) | NR Band 2                |                       |                 |                       |
|------------|--------------------------|-----------------------|-----------------|-----------------------|
|            | Channel Bandwidth: 5 MHz |                       |                 |                       |
|            | Low Channel              |                       | High Channel    |                       |
|            | Frequency (MHz)          | Frequency Error (ppm) | Frequency (MHz) | Frequency Error (ppm) |
| -30        | 1852.500003              | 0.002                 | 1907.500003     | 0.002                 |
| -20        | 1852.500004              | 0.002                 | 1907.500004     | 0.002                 |
| -10        | 1852.500004              | 0.002                 | 1907.500004     | 0.002                 |
| 0          | 1852.500004              | 0.002                 | 1907.500002     | 0.001                 |
| 10         | 1852.500001              | 0.001                 | 1907.500002     | 0.001                 |
| 20         | 1852.499997              | -0.002                | 1907.499997     | -0.001                |
| 30         | 1852.499998              | -0.001                | 1907.499997     | -0.002                |
| 40         | 1852.499997              | -0.002                | 1907.499998     | -0.001                |
| 50         | 1852.499996              | -0.002                | 1907.499997     | -0.001                |

### Frequency Error vs. Voltage

| Voltage (Volts) | NR Band 2                 |                       |                 |                       |
|-----------------|---------------------------|-----------------------|-----------------|-----------------------|
|                 | Channel Bandwidth: 10 MHz |                       |                 |                       |
|                 | Low Channel               |                       | High Channel    |                       |
|                 | Frequency (MHz)           | Frequency Error (ppm) | Frequency (MHz) | Frequency Error (ppm) |
| 3.4             | 1855.000002               | 0.001                 | 1905.000002     | 0.001                 |
| 3.85            | 1855.000002               | 0.001                 | 1905.000001     | 0.001                 |
| 4.4             | 1855.000004               | 0.002                 | 1905.000002     | 0.001                 |

Note: The applicant defined the normal working voltage is from 3.4Vdc to 4.4Vdc.

### Frequency Error vs. Temperature

| Temp. (°C) | NR Band 2                 |                       |                 |                       |
|------------|---------------------------|-----------------------|-----------------|-----------------------|
|            | Channel Bandwidth: 10 MHz |                       |                 |                       |
|            | Low Channel               |                       | High Channel    |                       |
|            | Frequency (MHz)           | Frequency Error (ppm) | Frequency (MHz) | Frequency Error (ppm) |
| -30        | 1855.000002               | 0.001                 | 1905.000004     | 0.002                 |
| -20        | 1855.000004               | 0.002                 | 1905.000002     | 0.001                 |
| -10        | 1855.000001               | 0.001                 | 1905.000002     | 0.001                 |
| 0          | 1855.000003               | 0.002                 | 1905.000002     | 0.001                 |
| 10         | 1855.000002               | 0.001                 | 1905.000003     | 0.001                 |
| 20         | 1854.999998               | -0.001                | 1904.999996     | -0.002                |
| 30         | 1854.999997               | -0.002                | 1904.999996     | -0.002                |
| 40         | 1854.999998               | -0.001                | 1904.999997     | -0.002                |
| 50         | 1854.999997               | -0.002                | 1904.999998     | -0.001                |

### Frequency Error vs. Voltage

| Voltage<br>(Volts) | NR Band 2                 |                       |                 |                       |
|--------------------|---------------------------|-----------------------|-----------------|-----------------------|
|                    | Channel Bandwidth: 15 MHz |                       |                 |                       |
|                    | Low Channel               |                       | High Channel    |                       |
|                    | Frequency (MHz)           | Frequency Error (ppm) | Frequency (MHz) | Frequency Error (ppm) |
| 3.4                | 1857.500002               | 0.001                 | 1902.500002     | 0.001                 |
| 3.85               | 1857.500003               | 0.002                 | 1902.500004     | 0.002                 |
| 4.4                | 1857.500001               | 0.001                 | 1902.500004     | 0.002                 |

Note: The applicant defined the normal working voltage is from 3.4Vdc to 4.4Vdc.

### Frequency Error vs. Temperature

| Temp. (°C) | NR Band 2                 |                       |                 |                       |
|------------|---------------------------|-----------------------|-----------------|-----------------------|
|            | Channel Bandwidth: 15 MHz |                       |                 |                       |
|            | Low Channel               |                       | High Channel    |                       |
|            | Frequency (MHz)           | Frequency Error (ppm) | Frequency (MHz) | Frequency Error (ppm) |
| -30        | 1857.500001               | 0.001                 | 1902.500003     | 0.002                 |
| -20        | 1857.500002               | 0.001                 | 1902.500003     | 0.002                 |
| -10        | 1857.500002               | 0.001                 | 1902.500002     | 0.001                 |
| 0          | 1857.500001               | 0.001                 | 1902.500003     | 0.002                 |
| 10         | 1857.500003               | 0.002                 | 1902.500002     | 0.001                 |
| 20         | 1857.499996               | -0.002                | 1902.499997     | -0.002                |
| 30         | 1857.499999               | -0.001                | 1902.499998     | -0.001                |
| 40         | 1857.499996               | -0.002                | 1902.499998     | -0.001                |
| 50         | 1857.499998               | -0.001                | 1902.499998     | -0.001                |

### Frequency Error vs. Voltage

| Voltage (Volts) | NR Band 2                 |                       |                 |                       |
|-----------------|---------------------------|-----------------------|-----------------|-----------------------|
|                 | Channel Bandwidth: 20 MHz |                       |                 |                       |
|                 | Low Channel               |                       | High Channel    |                       |
|                 | Frequency (MHz)           | Frequency Error (ppm) | Frequency (MHz) | Frequency Error (ppm) |
| 3.4             | 1860.000003               | 0.001                 | 1900.000004     | 0.002                 |
| 3.85            | 1860.000004               | 0.002                 | 1900.000002     | 0.001                 |
| 4.4             | 1860.000002               | 0.001                 | 1900.000003     | 0.002                 |

Note: The applicant defined the normal working voltage is from 3.4Vdc to 4.4Vdc.

### Frequency Error vs. Temperature

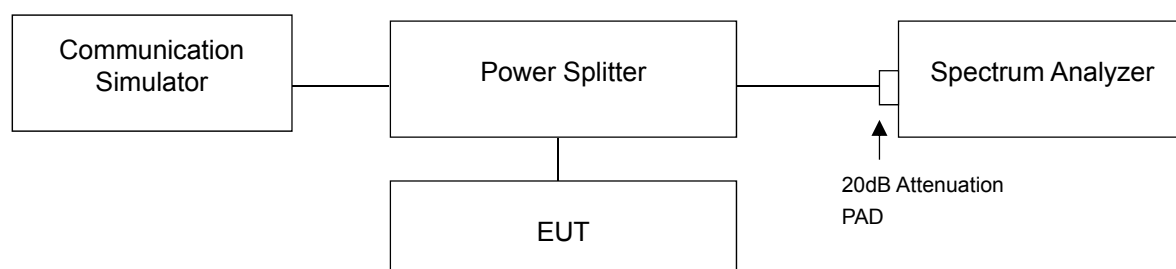
| Temp. (°C) | NR Band 2                 |                       |                 |                       |
|------------|---------------------------|-----------------------|-----------------|-----------------------|
|            | Channel Bandwidth: 20 MHz |                       |                 |                       |
|            | Low Channel               |                       | High Channel    |                       |
|            | Frequency (MHz)           | Frequency Error (ppm) | Frequency (MHz) | Frequency Error (ppm) |
| -30        | 1860.000003               | 0.001                 | 1900.000002     | 0.001                 |
| -20        | 1860.000001               | 0.001                 | 1900.000002     | 0.001                 |
| -10        | 1860.000001               | 0.001                 | 1900.000004     | 0.002                 |
| 0          | 1860.000004               | 0.002                 | 1900.000001     | 0.001                 |
| 10         | 1860.000004               | 0.002                 | 1900.000003     | 0.002                 |
| 20         | 1859.999997               | -0.002                | 1899.999997     | -0.002                |
| 30         | 1859.999998               | -0.001                | 1899.999996     | -0.002                |
| 40         | 1859.999998               | -0.001                | 1899.999998     | -0.001                |
| 50         | 1859.999996               | -0.002                | 1899.999998     | -0.001                |

## 4.4 Occupied Bandwidth Measurement

### 4.4.1 Test Procedure

The EUT makes a call to the communication simulator. All measurements were done at low, middle and high operational frequency range. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth.

### 4.4.2 Test Setup



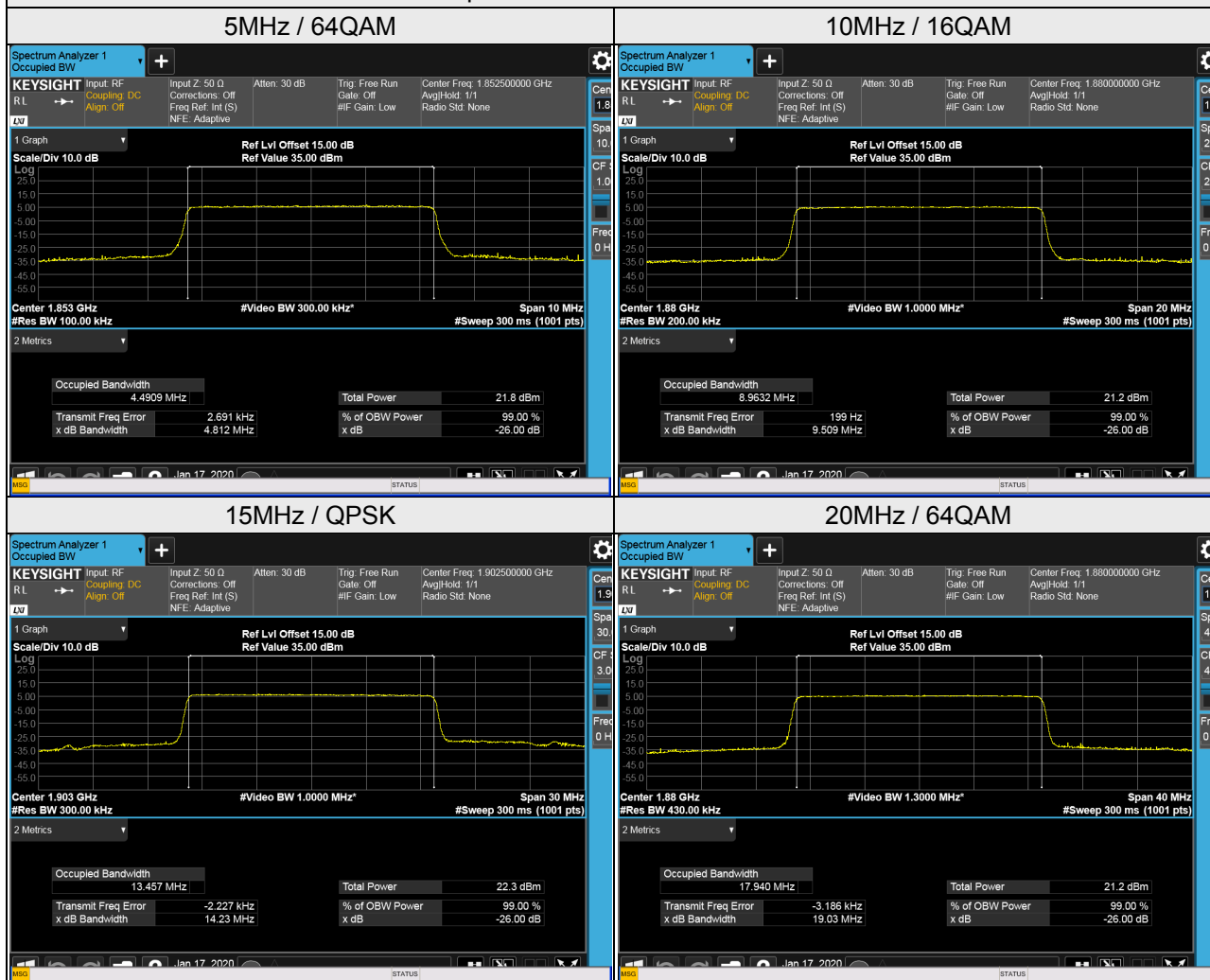
#### 4.4.3 Test Result

##### Occupied Bandwidth

##### NR Band 2

| NR Band 2, Channel Bandwidth 5MHz  |                 |                              |       |       |
|------------------------------------|-----------------|------------------------------|-------|-------|
| Channel                            | Frequency (MHz) | 99% Occupied Bandwidth (MHz) |       |       |
|                                    |                 | QPSK                         | 16QAM | 64QAM |
| 370500                             | 1852.5          | 4.49                         | 4.49  | 4.49  |
| 376000                             | 1880.0          | 4.49                         | 4.49  | 4.49  |
| 381500                             | 1907.5          | 4.49                         | 4.49  | 4.49  |
| NR Band 2, Channel Bandwidth 10MHz |                 |                              |       |       |
| Channel                            | Frequency (MHz) | 99% Occupied Bandwidth (MHz) |       |       |
|                                    |                 | QPSK                         | 16QAM | 64QAM |
| 371000                             | 1855.0          | 8.95                         | 8.96  | 8.95  |
| 376000                             | 1880.0          | 8.96                         | 8.96  | 8.95  |
| 381000                             | 1905.0          | 8.96                         | 8.96  | 8.95  |
| NR Band 2, Channel Bandwidth 15MHz |                 |                              |       |       |
| Channel                            | Frequency (MHz) | 99% Occupied Bandwidth (MHz) |       |       |
|                                    |                 | QPSK                         | 16QAM | 64QAM |
| 371500                             | 1857.5          | 13.46                        | 13.44 | 13.43 |
| 376000                             | 1880.0          | 13.46                        | 13.45 | 13.44 |
| 380500                             | 1902.5          | 13.46                        | 13.44 | 13.43 |
| NR Band 2, Channel Bandwidth 20MHz |                 |                              |       |       |
| Channel                            | Frequency (MHz) | 99% Occupied Bandwidth (MHz) |       |       |
|                                    |                 | QPSK                         | 16QAM | 64QAM |
| 372000                             | 1860.0          | 17.91                        | 17.94 | 17.94 |
| 376000                             | 1880.0          | 17.92                        | 17.93 | 17.94 |
| 380000                             | 1900.0          | 17.91                        | 17.93 | 17.92 |

## Spectrum Plot of Worst Value



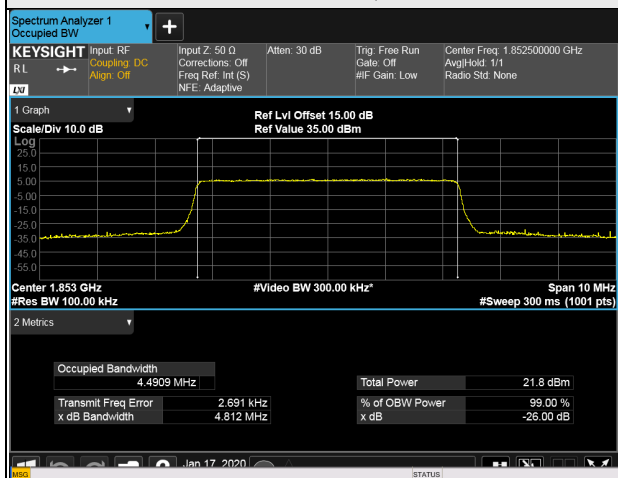
## 26dB Bandwidth

### NR Band 2

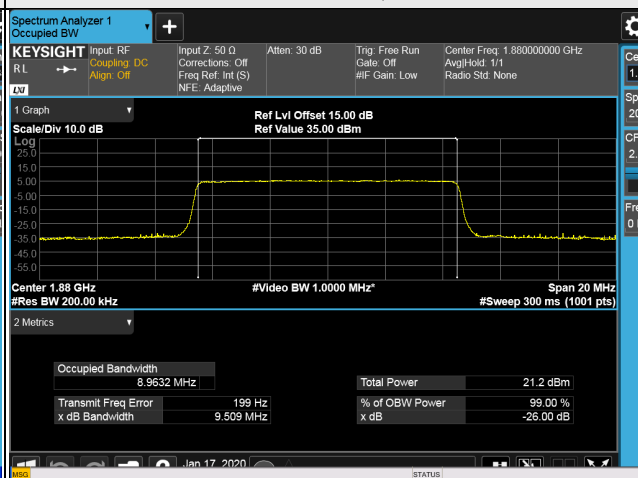
| NR Band 2, Channel Bandwidth 5MHz  |                 |                      |       |       |
|------------------------------------|-----------------|----------------------|-------|-------|
| Channel                            | Frequency (MHz) | 26dB Bandwidth (MHz) |       |       |
|                                    |                 | QPSK                 | 16QAM | 64QAM |
| 370500                             | 1852.5          | 4.79                 | 4.80  | 4.81  |
| 376000                             | 1880.0          | 4.81                 | 4.79  | 4.80  |
| 381500                             | 1907.5          | 4.80                 | 4.81  | 4.79  |
| NR Band 2, Channel Bandwidth 10MHz |                 |                      |       |       |
| Channel                            | Frequency (MHz) | 26dB Bandwidth (MHz) |       |       |
|                                    |                 | QPSK                 | 16QAM | 64QAM |
| 371000                             | 1855.0          | 9.50                 | 9.51  | 9.51  |
| 376000                             | 1880.0          | 9.50                 | 9.51  | 9.51  |
| 381000                             | 1905.0          | 9.50                 | 9.51  | 9.51  |
| NR Band 2, Channel Bandwidth 15MHz |                 |                      |       |       |
| Channel                            | Frequency (MHz) | 26dB Bandwidth (MHz) |       |       |
|                                    |                 | QPSK                 | 16QAM | 64QAM |
| 371500                             | 1857.5          | 14.27                | 14.25 | 14.24 |
| 376000                             | 1880.0          | 14.24                | 14.26 | 14.22 |
| 380500                             | 1902.5          | 14.23                | 14.25 | 14.25 |
| NR Band 2, Channel Bandwidth 20MHz |                 |                      |       |       |
| Channel                            | Frequency (MHz) | 26dB Bandwidth (MHz) |       |       |
|                                    |                 | QPSK                 | 16QAM | 64QAM |
| 372000                             | 1860.0          | 19.00                | 19.03 | 19.05 |
| 376000                             | 1880.0          | 19.02                | 19.03 | 19.03 |
| 380000                             | 1900.0          | 19.02                | 19.02 | 19.03 |

## Spectrum Plot of Worst Value

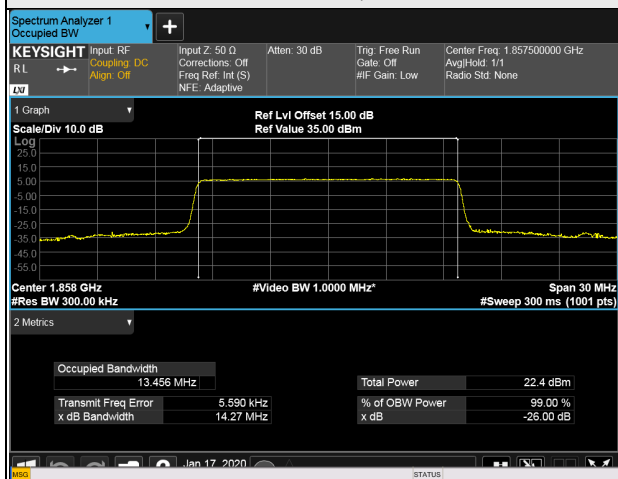
5MHz / 64QAM



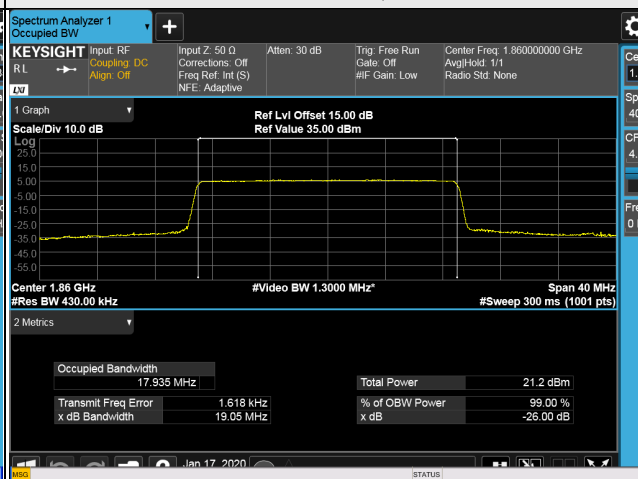
10MHz / 16QAM



15MHz / QPSK



20MHz / 64QAM

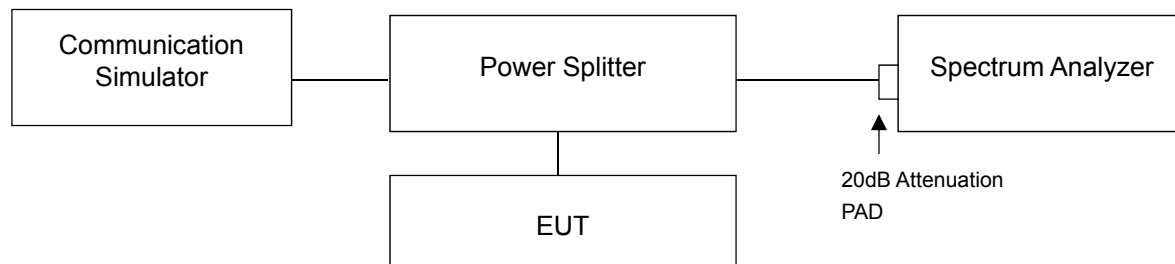


## 4.5 Band Edge Measurement

### 4.5.1 Limits of Band Edge Measurement

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. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

### 4.5.2 Test Setup

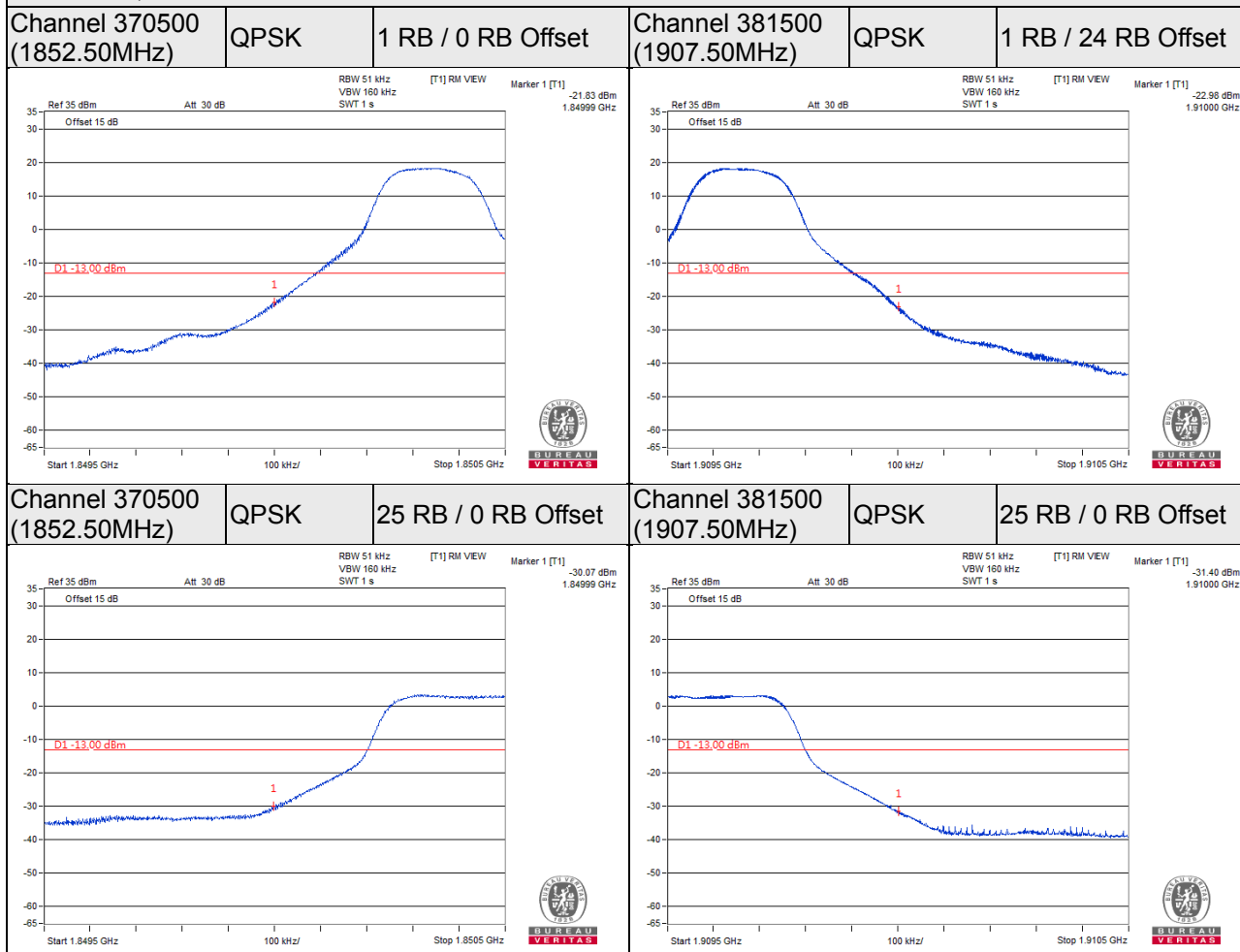


### 4.5.3 Test Procedures

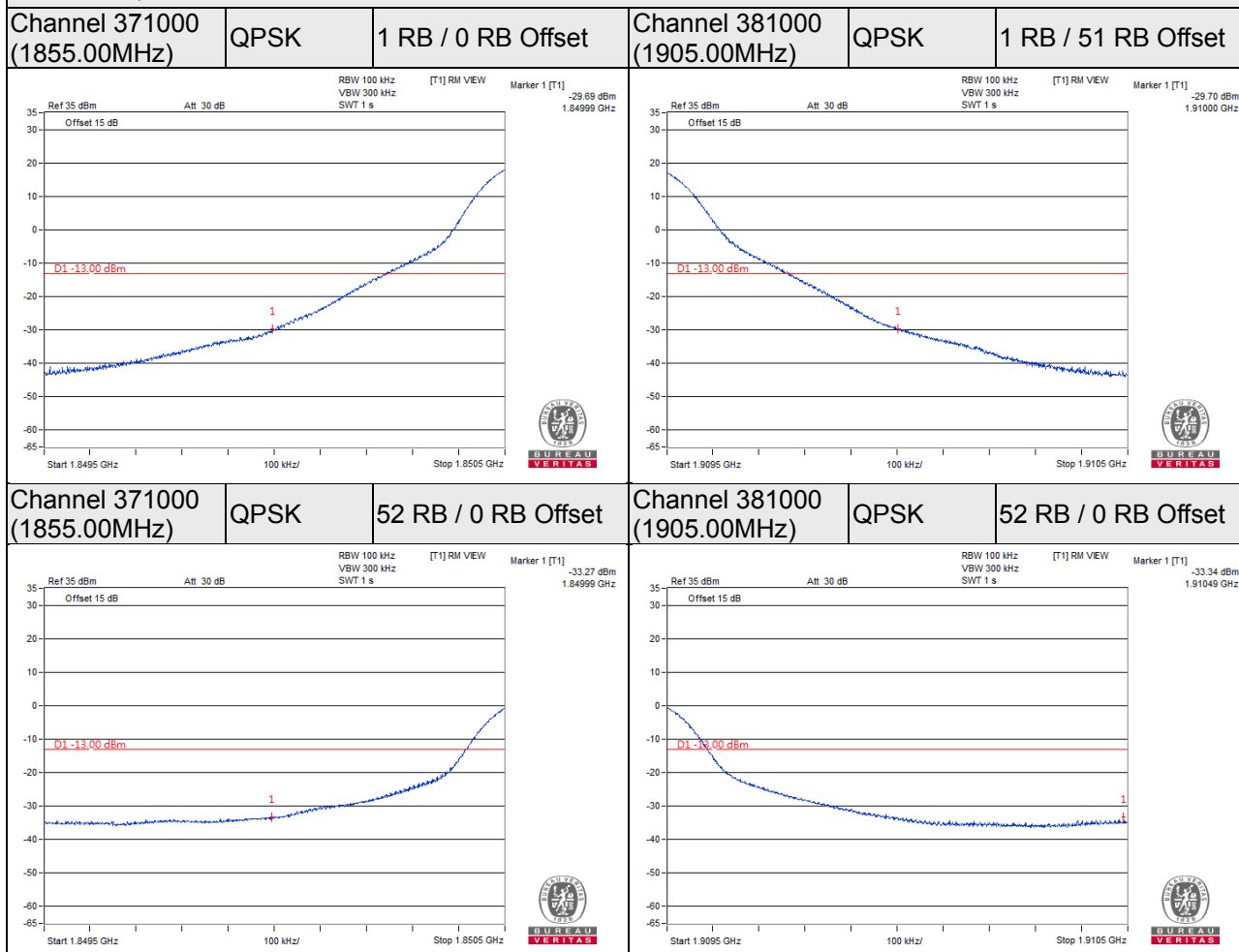
- All measurements were done at low and high operational frequency range.
- The center frequency of spectrum is the band edge frequency and span is 1MHz. RB of the spectrum is 51kHz and VB of the spectrum is 160kHz (LTE Channel Bandwidth 5MHz).
- The center frequency of spectrum is the band edge frequency and span is 1MHz. RB of the spectrum is 100kHz and VB of the spectrum is 300kHz (LTE Channel Bandwidth 10MHz).
- The center frequency of spectrum is the band edge frequency and span is 1MHz. RB of the spectrum is 150kHz and VB of the spectrum is 470kHz (LTE Channel Bandwidth 15MHz).
- The center frequency of spectrum is the band edge frequency and span is 1MHz. RB of the spectrum is 200kHz and VB of the spectrum is 1MHz (LTE Channel Bandwidth 20MHz).
- Record the max trace plot into the test report.

## 4.5.4 Test Results

### NR Band 2, Channel Bandwidth 5MHz



# NR Band 2, Channel Bandwidth 10MHz



# NR Band 2, Channel Bandwidth 15MHz

Channel 371500  
(1857.50MHz)

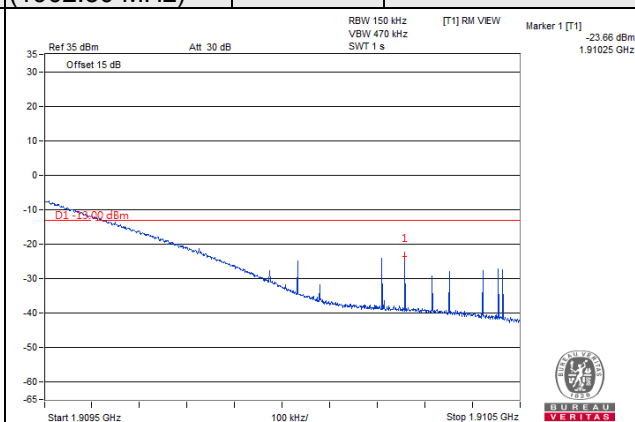
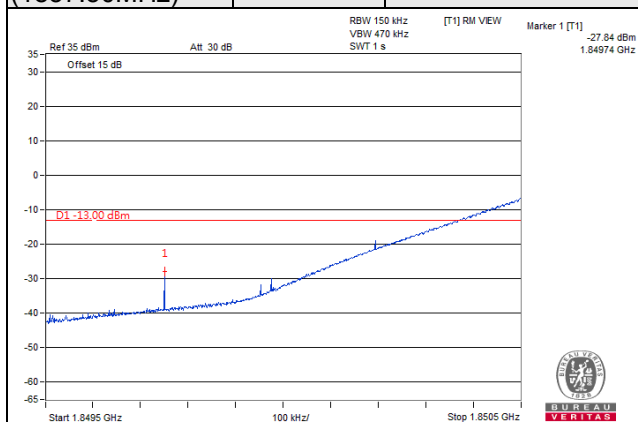
QPSK

1 RB / 0 RB Offset

Channel 380500  
(1902.50 MHz)

QPSK

1 RB / 78 RB Offset



Channel 371500  
(1857.50MHz)

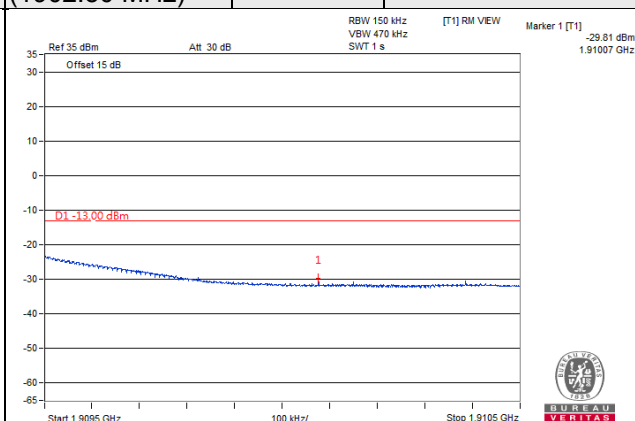
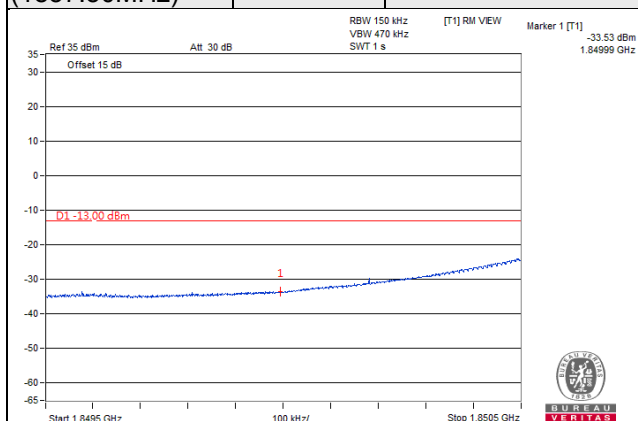
QPSK

79 RB / 0 RB Offset

Channel 380500  
(1902.50 MHz)

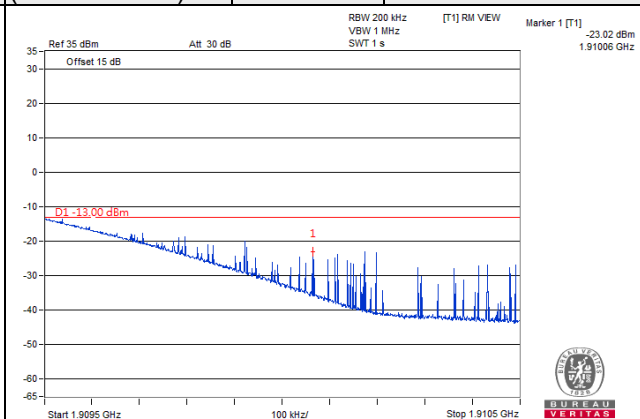
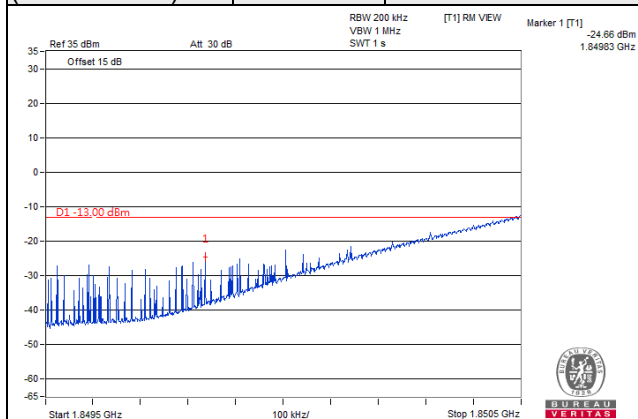
QPSK

79 RB / 0 RB Offset

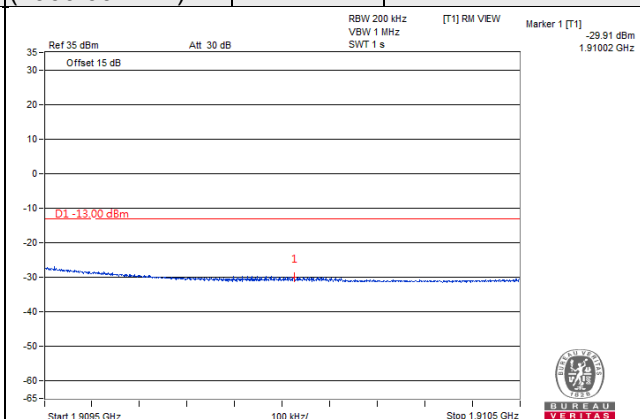
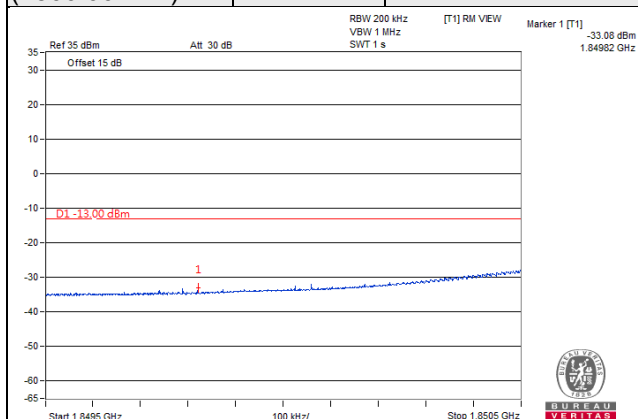


# NR Band 2, Channel Bandwidth 20MHz

|                                |      |                    |                                 |      |                      |
|--------------------------------|------|--------------------|---------------------------------|------|----------------------|
| Channel 372000<br>(1860.00MHz) | QPSK | 1 RB / 0 RB Offset | Channel 380000<br>(1900.00 MHz) | QPSK | 1 RB / 105 RB Offset |
|--------------------------------|------|--------------------|---------------------------------|------|----------------------|



|                                |      |                      |                                 |      |                      |
|--------------------------------|------|----------------------|---------------------------------|------|----------------------|
| Channel 372000<br>(1860.00MHz) | QPSK | 106 RB / 0 RB Offset | Channel 380000<br>(1900.00 MHz) | QPSK | 106 RB / 0 RB Offset |
|--------------------------------|------|----------------------|---------------------------------|------|----------------------|

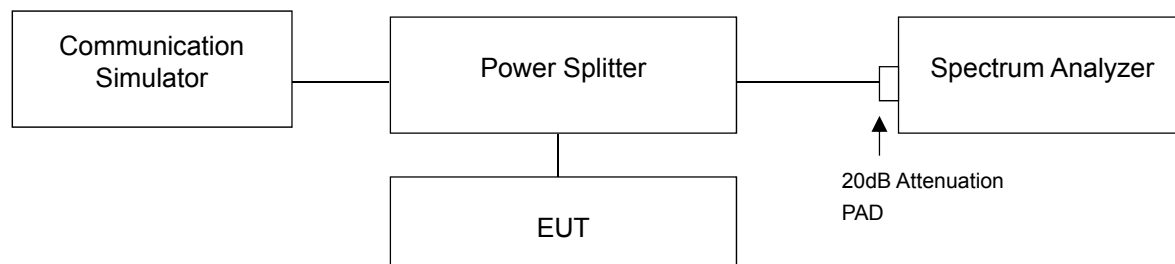


## 4.6 Peak to Average Ratio

### 4.6.1 Limits of Peak to Average Ratio Measurement

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB

### 4.6.2 Test Setup



### 4.6.3 Test Procedures

- Set resolution/measurement bandwidth  $\geq$  signal's occupied bandwidth;
- Set the number of counts to a value that stabilizes the measured CCDF curve;
- Record the maximum PAPR level associated with a probability of 0.1%.

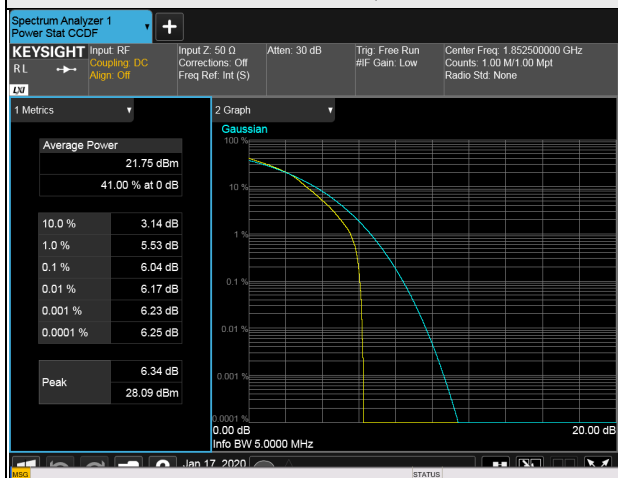
#### 4.6.4 Test Results

##### NR Band 2

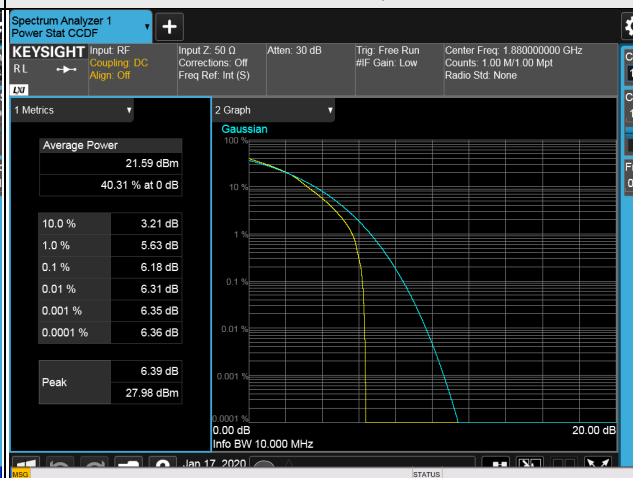
| NR Band 2, Channel Bandwidth 5MHz  |                 |                            |       |       |
|------------------------------------|-----------------|----------------------------|-------|-------|
| Channel                            | Frequency (MHz) | Peak To Average Ratio (dB) |       |       |
|                                    |                 | QPSK                       | 16QAM | 64QAM |
| 370500                             | 1852.5          | 3.64                       | 5.98  | 6.04  |
| 376000                             | 1880.0          | 3.81                       | 5.87  | 6.04  |
| 381500                             | 1907.5          | 3.73                       | 5.40  | 5.49  |
| NR Band 2, Channel Bandwidth 10MHz |                 |                            |       |       |
| Channel                            | Frequency (MHz) | Peak To Average Ratio (dB) |       |       |
|                                    |                 | QPSK                       | 16QAM | 64QAM |
| 371000                             | 1855.0          | 3.92                       | 5.64  | 6.01  |
| 376000                             | 1880.0          | 3.75                       | 5.99  | 6.18  |
| 381000                             | 1905.0          | 3.78                       | 5.52  | 5.65  |
| NR Band 2, Channel Bandwidth 15MHz |                 |                            |       |       |
| Channel                            | Frequency (MHz) | Peak To Average Ratio (dB) |       |       |
|                                    |                 | QPSK                       | 16QAM | 64QAM |
| 371500                             | 1857.5          | 3.90                       | 5.82  | 5.90  |
| 376000                             | 1880.0          | 3.77                       | 5.72  | 5.75  |
| 380500                             | 1902.5          | 3.67                       | 5.37  | 5.49  |
| NR Band 2, Channel Bandwidth 20MHz |                 |                            |       |       |
| Channel                            | Frequency (MHz) | Peak To Average Ratio (dB) |       |       |
|                                    |                 | QPSK                       | 16QAM | 64QAM |
| 372000                             | 1860.0          | 3.55                       | 5.64  | 5.45  |
| 376000                             | 1880.0          | 3.56                       | 5.42  | 5.74  |
| 380000                             | 1900.0          | 3.68                       | 5.45  | 5.48  |

## Spectrum Plot of Worst Value

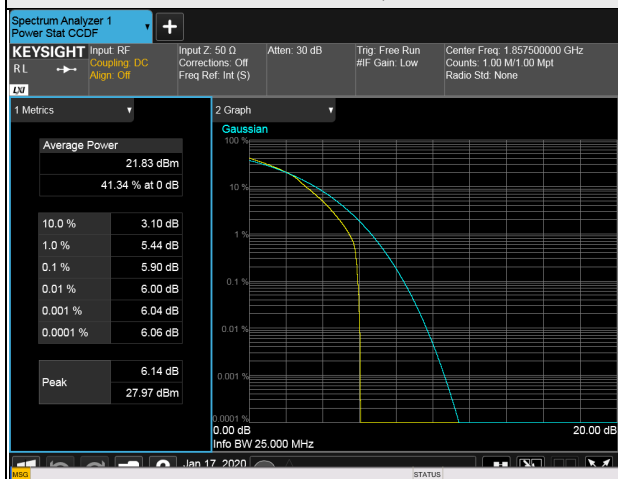
### 5MHz / 64QAM



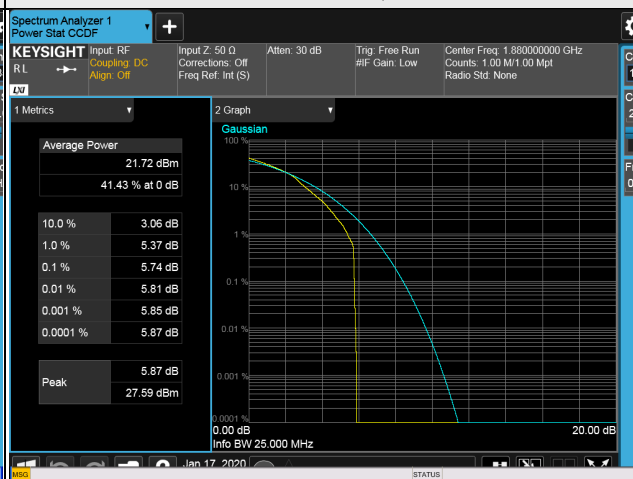
### 10MHz / 64QAM



### 15MHz / 64QAM



### 20MHz / 64QAM

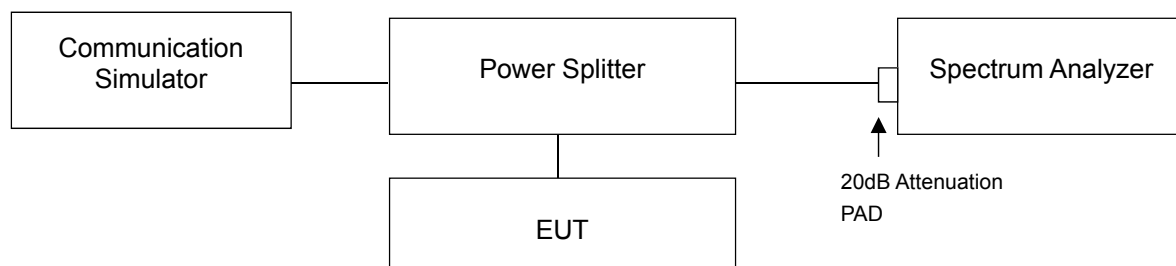


## 4.7 Conducted Spurious Emissions

### 4.7.1 Limits of Conducted Spurious Emissions 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 equal to  $-13\text{dBm}$ .

### 4.7.2 Test Setup



### 4.7.3 Test Procedure

- The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.
- Measuring frequency range is from 9kHz to 20GHz. 20dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz is used for conducted emission measurement.
- Spectrum RBW settings are referenced to ANSI 63.2-1996 section 8.2.2.

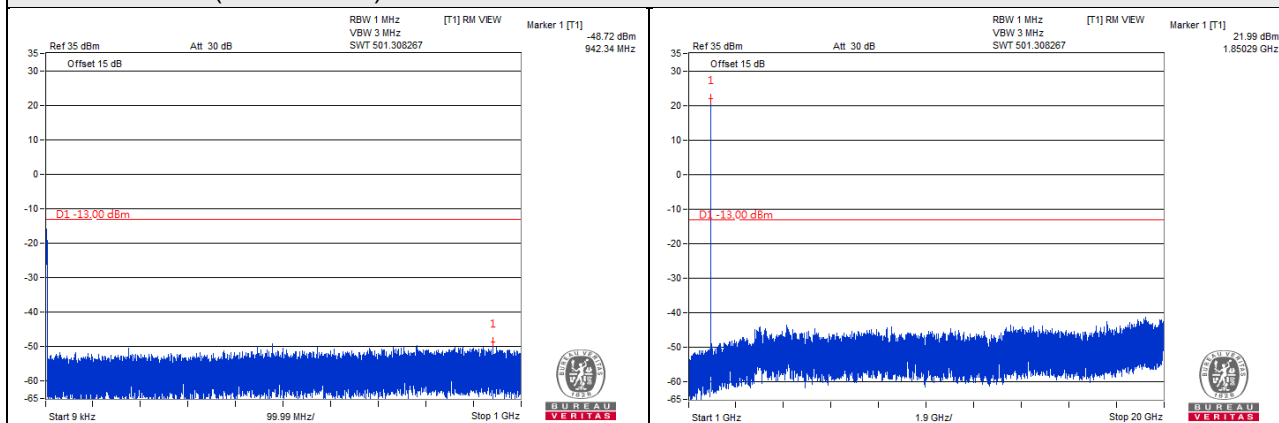
## 4.7.4 Test Results

NR Band 2, Channel Bandwidth 5MHz

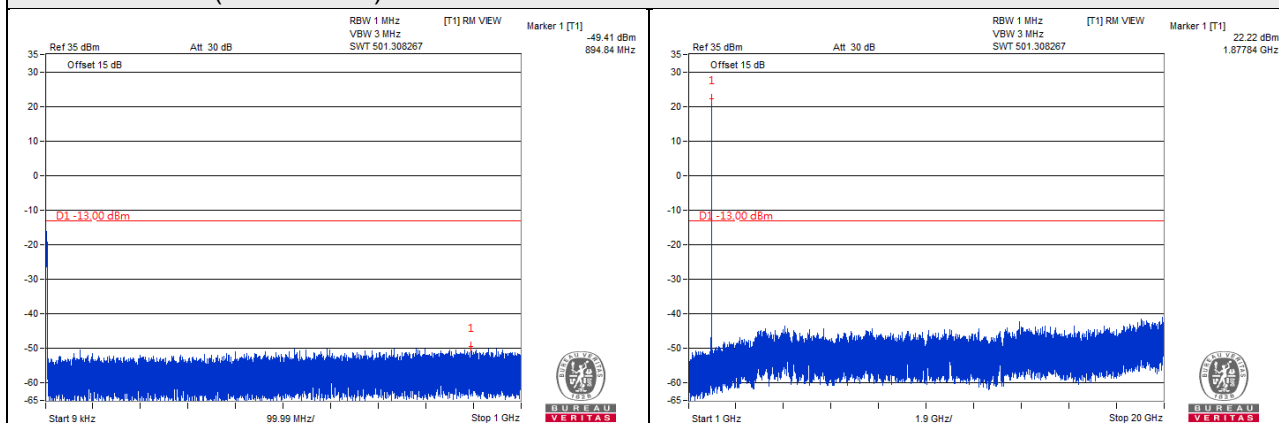
Frequency Range : 9kHz~1GHz

Frequency Range : 1GHz~20GHz

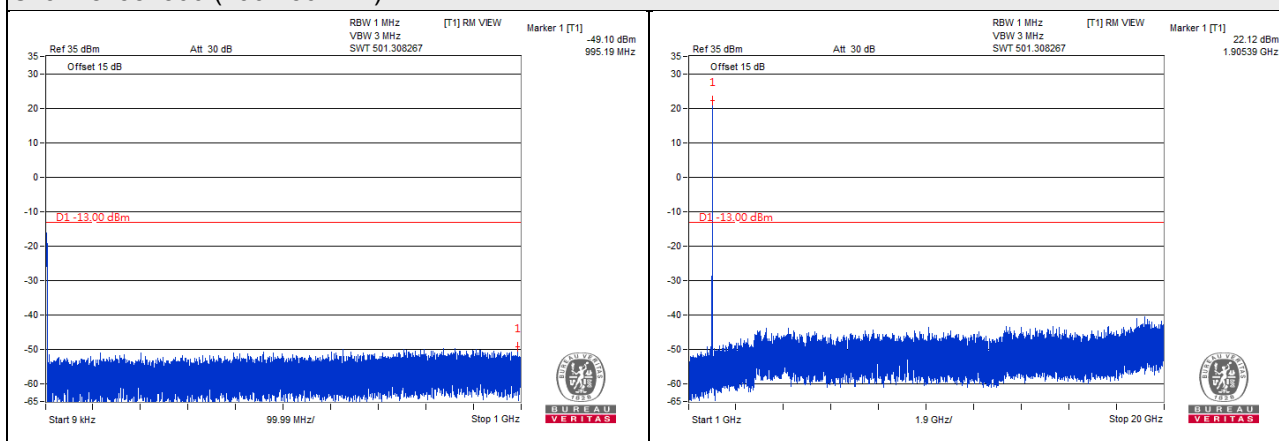
Channel 370500 (1852.50MHz)



Channel 376000 (1880.00MHz)



Channel 381500 (1907.50MHz)

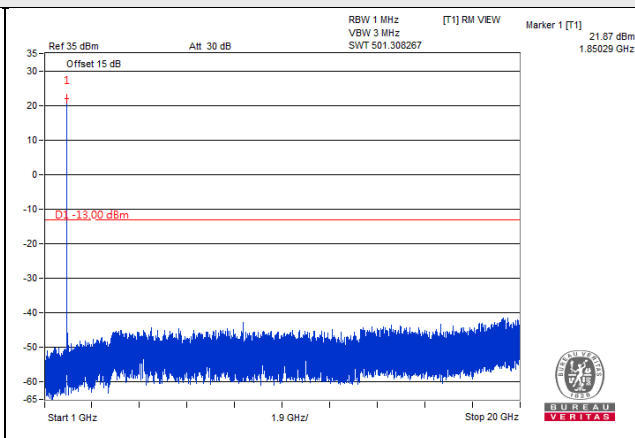
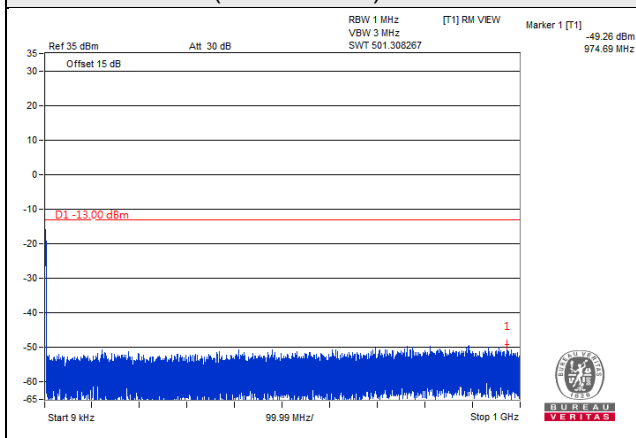


# NR Band 2, Channel Bandwidth 10MHz

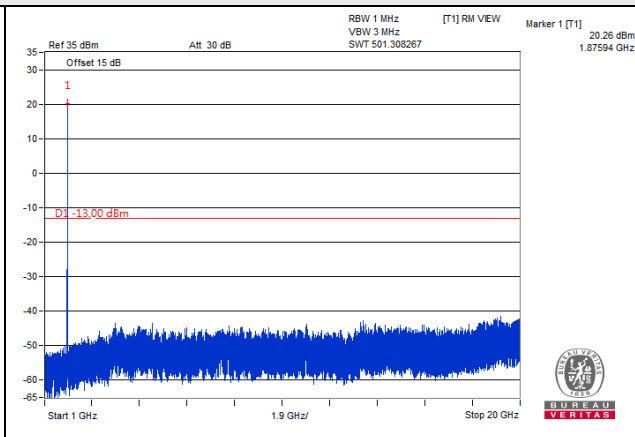
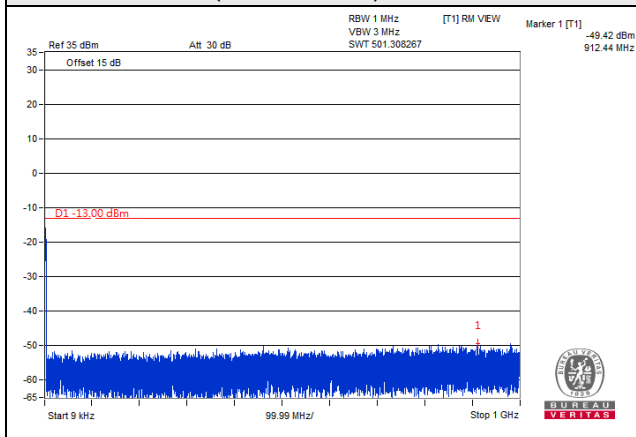
Frequency Range : 9kHz~1GHz

Frequency Range : 1GHz~20GHz

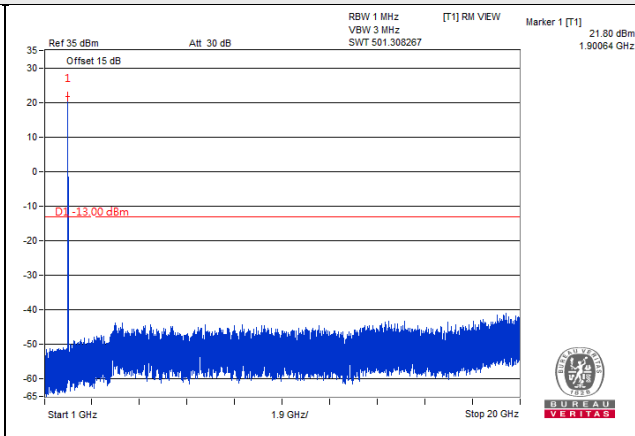
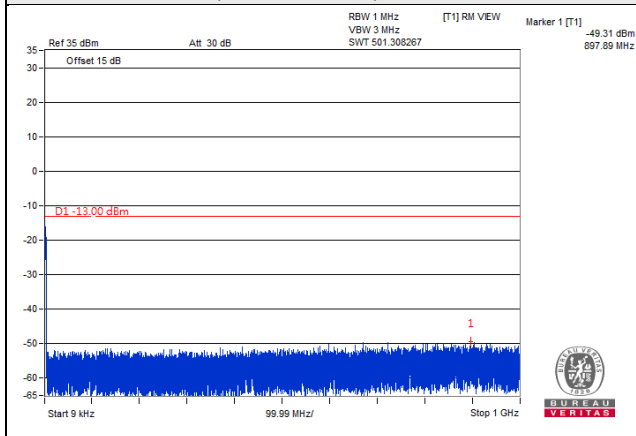
## Channel 371000 (1855.00MHz)



## Channel 376000 (1880.00MHz)



## Channel 381000 (1905.00MHz)

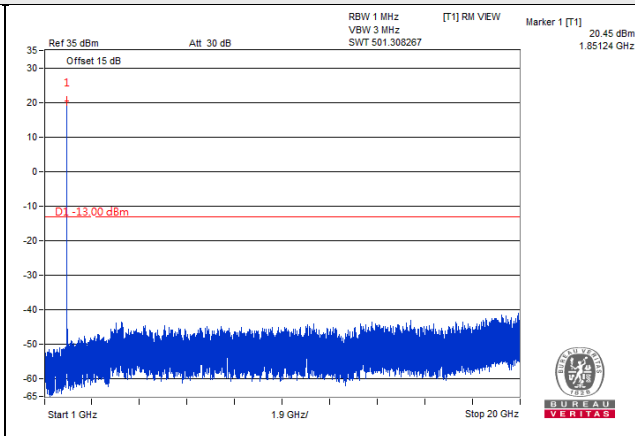
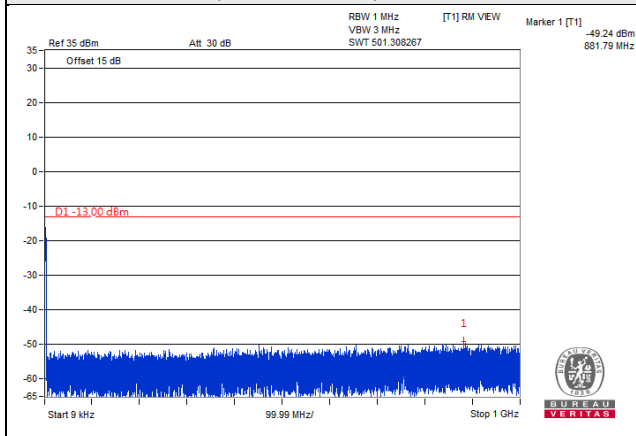


## NR Band 2, Channel Bandwidth 15MHz

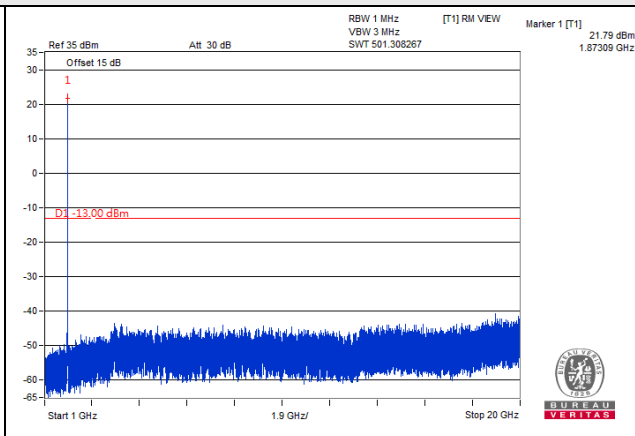
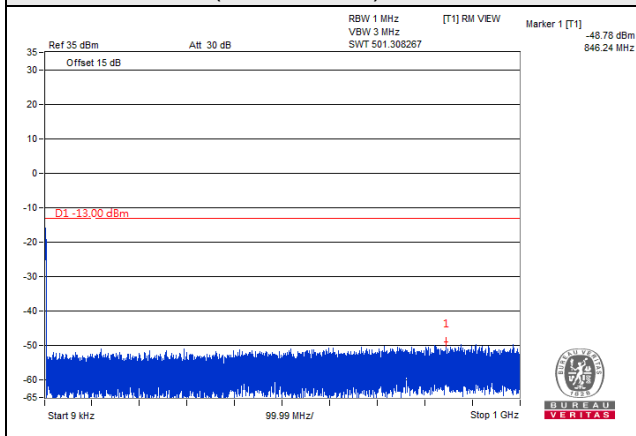
Frequency Range : 9kHz~1GHz

Frequency Range : 1GHz~20GHz

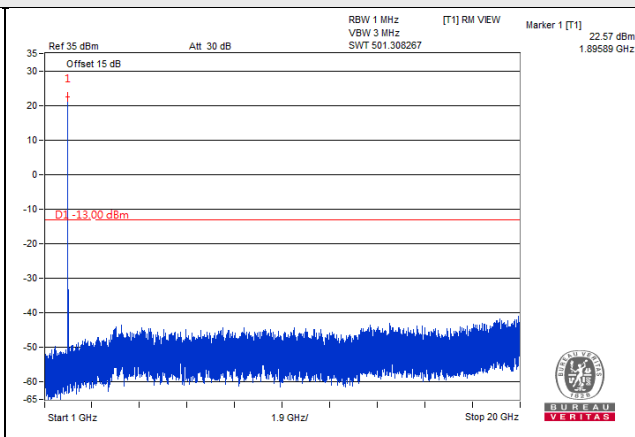
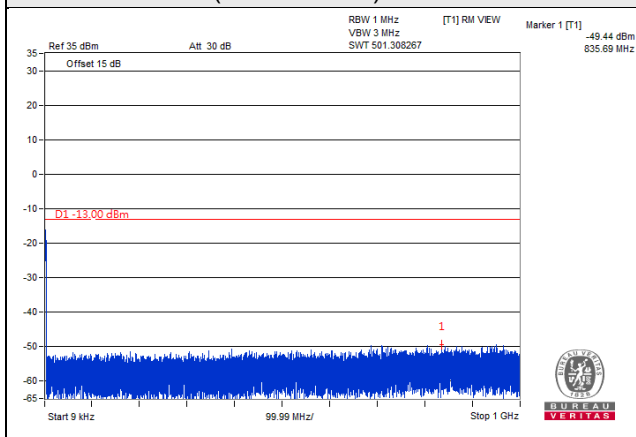
### Channel 371500 (1857.50MHz)



### Channel 376000 (1880.00MHz)



### Channel 380500 (1902.50MHz)

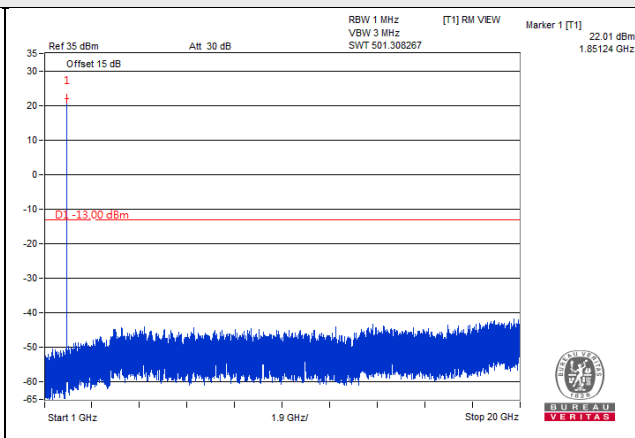
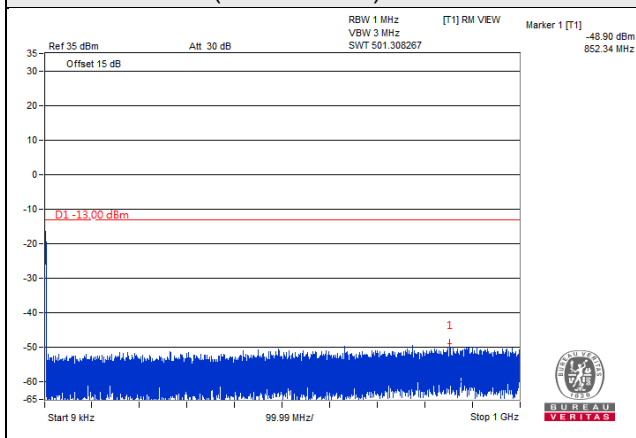


# NR Band 2, Channel Bandwidth 20MHz

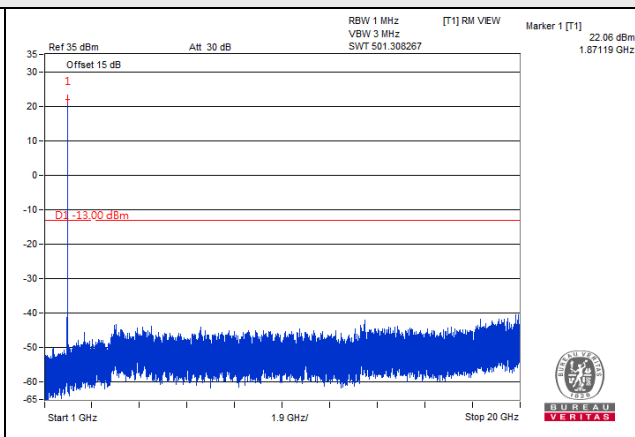
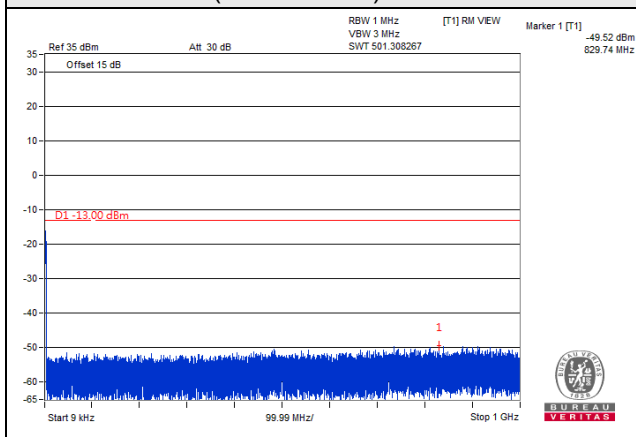
Frequency Range : 9kHz~1GHz

Frequency Range : 1GHz~20GHz

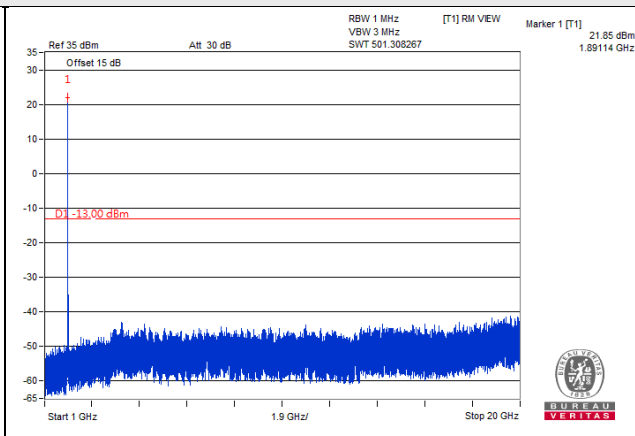
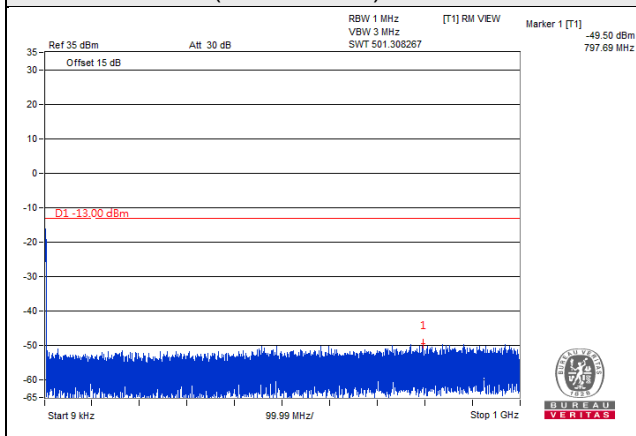
## Channel 372000 (1860.00MHz)



## Channel 376000 (1880.00MHz)



## Channel 380000 (1900.00MHz)



## **4.8 Radiated Emission Measurement**

### **4.8.1 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 equal to  $-13\text{dBm}$ .

### **4.8.2 Test Procedure**

- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m 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 1m to 4m 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.  $\text{EIRP} = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$ .
- d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole,  $\text{E.R.P power} = \text{E.I.R.P power} - 2.15\text{dBi}$ .

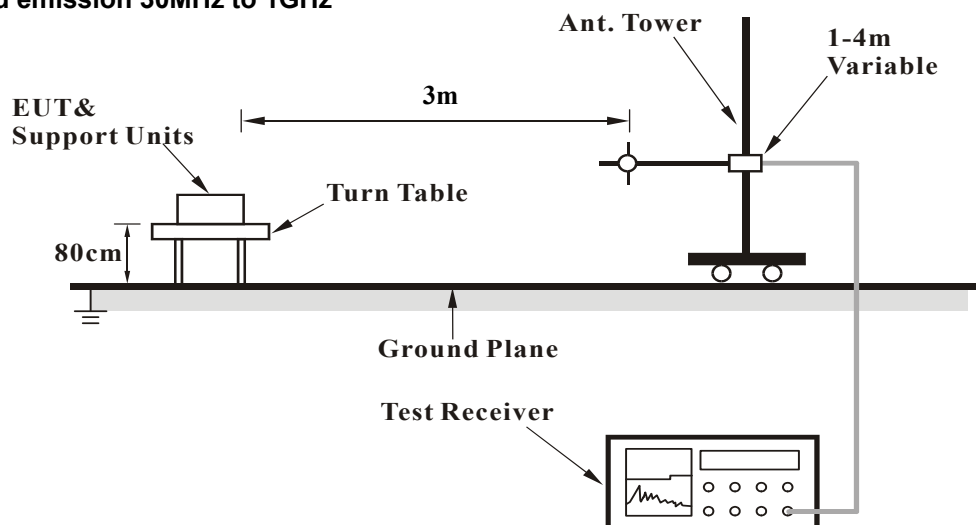
NOTE: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

### **4.8.3 Deviation from Test Standard**

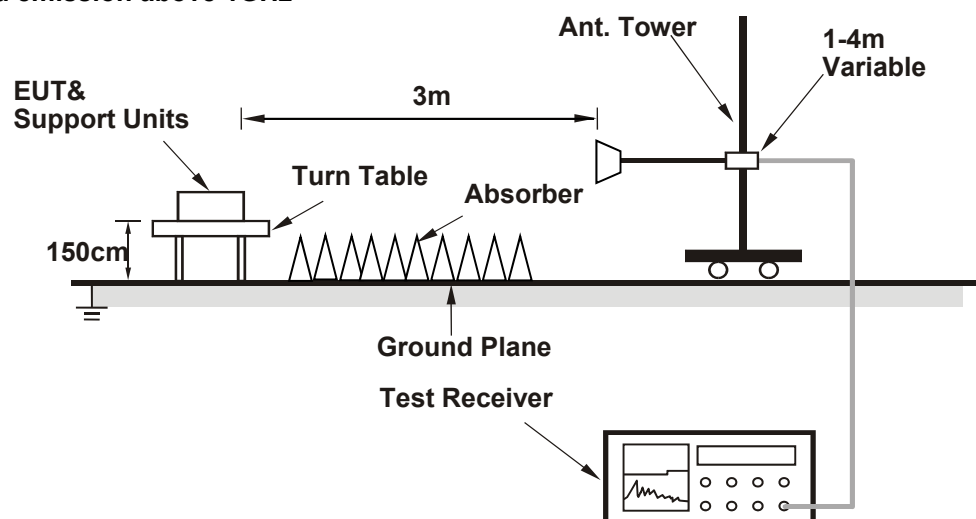
No deviation.

#### 4.8.4 Test Setup

For radiated emission 30MHz to 1GHz



For radiated emission above 1GHz



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

#### 4.8.5 Test Results

Below 1GHz

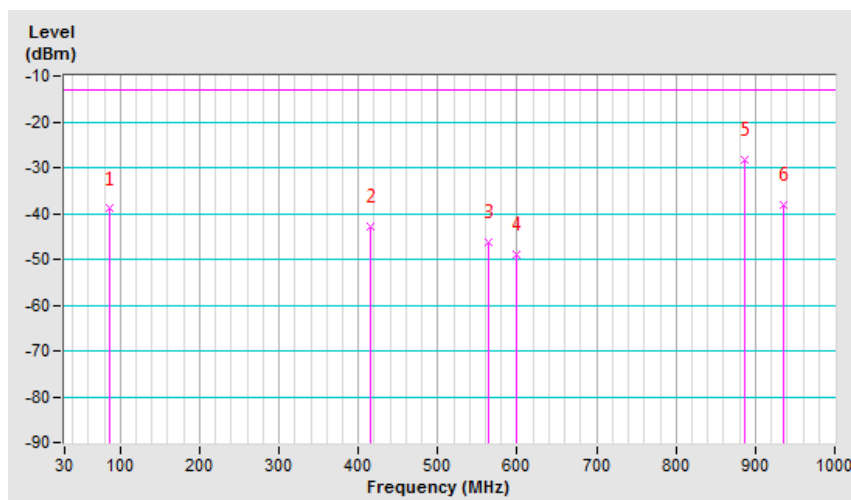
NR Band 2, Channel Bandwidth: 5MHz

|                          |                                   |                 |                |
|--------------------------|-----------------------------------|-----------------|----------------|
| Mode                     | TX channel 370500<br>(1852.50MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                   | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                        |                 |                |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 86.26       | -32.3         | -39.1                 | 0.1                    | -39.0      | -13.0       | -26.0       |
| 2                                                   | 416.06      | -41.7         | -48.0                 | 5.2                    | -42.8      | -13.0       | -29.8       |
| 3                                                   | 563.50      | -45.9         | -50.7                 | 4.5                    | -46.2      | -13.0       | -33.2       |
| 4                                                   | 598.42      | -49.4         | -53.4                 | 4.4                    | -49.0      | -13.0       | -36.0       |
| 5                                                   | 887.48      | -34.9         | -32.2                 | 3.9                    | -28.3      | -13.0       | -15.3       |
| 6                                                   | 935.98      | -45.1         | -42.0                 | 3.9                    | -38.1      | -13.0       | -25.1       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

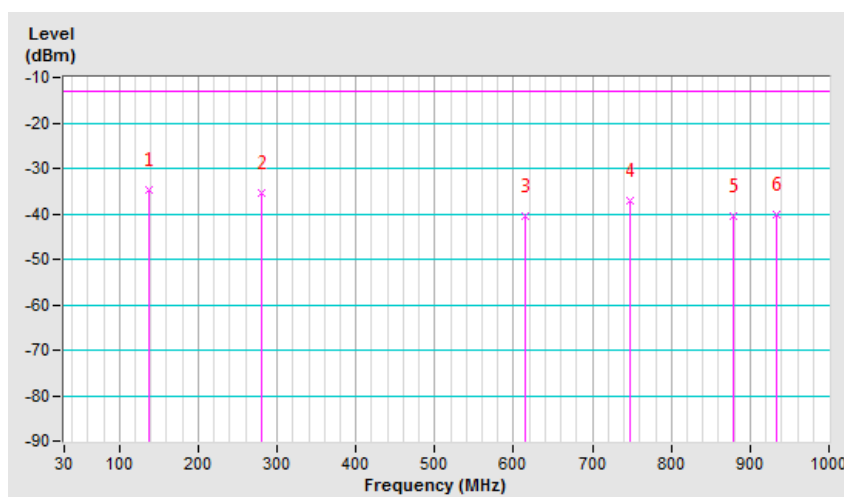


|                          |                                   |                 |                |
|--------------------------|-----------------------------------|-----------------|----------------|
| Mode                     | TX channel 370500<br>(1852.50MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                   | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                        |                 |                |

| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |            |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 136.70      | -30.5         | -34.4                 | -0.3                   | -34.7      | -13.0       | -21.7       |
| 2                                                 | 280.26      | -36.9         | -40.7                 | 5.3                    | -35.4      | -13.0       | -22.4       |
| 3                                                 | 613.94      | -45.4         | -45.1                 | 4.6                    | -40.5      | -13.0       | -27.5       |
| 4                                                 | 747.80      | -42.7         | -41.8                 | 4.7                    | -37.1      | -13.0       | -24.1       |
| 5                                                 | 879.72      | -46.9         | -44.3                 | 3.9                    | -40.4      | -13.0       | -27.4       |
| 6                                                 | 934.04      | -48.8         | -44.0                 | 3.9                    | -40.1      | -13.0       | -27.1       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



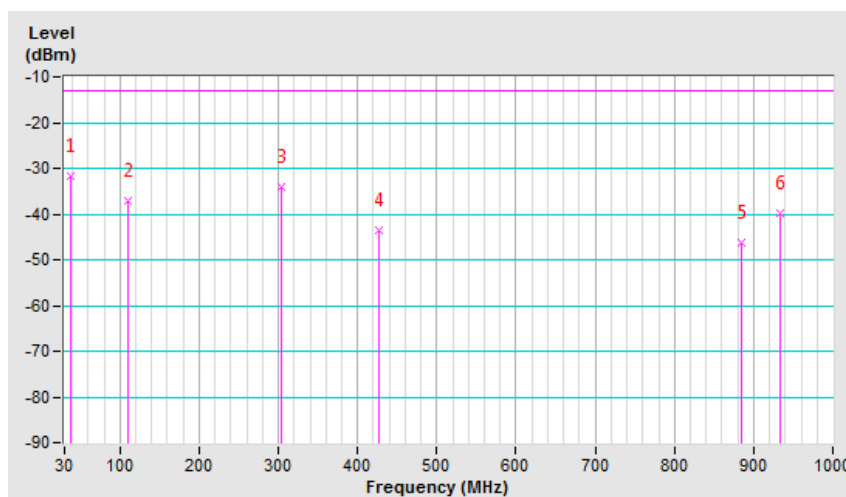
NR Band 2, Channel Bandwidth: 10MHz

|                          |                                   |                 |                |
|--------------------------|-----------------------------------|-----------------|----------------|
| Mode                     | TX channel 371000<br>(1880.00MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                   | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                        |                 |                |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 37.76       | -34.8         | -20.5                 | -11.2                  | -31.7      | -13.0       | -18.7       |
| 2                                                   | 109.54      | -29.4         | -37.6                 | 0.5                    | -37.1      | -13.0       | -24.1       |
| 3                                                   | 303.54      | -29.3         | -39.3                 | 5.1                    | -34.2      | -13.0       | -21.2       |
| 4                                                   | 427.70      | -41.9         | -48.7                 | 5.2                    | -43.5      | -13.0       | -30.5       |
| 5                                                   | 885.54      | -52.8         | -50.3                 | 3.9                    | -46.4      | -13.0       | -33.4       |
| 6                                                   | 934.04      | -46.8         | -43.6                 | 3.9                    | -39.7      | -13.0       | -26.7       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

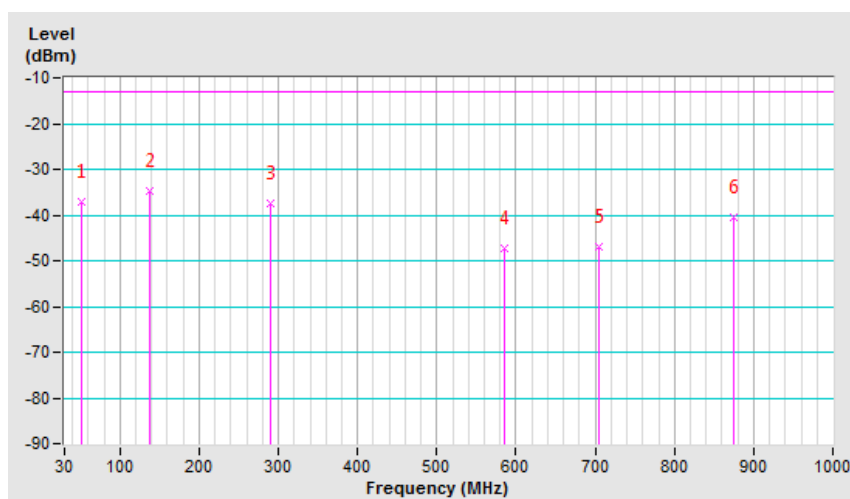


|                          |                                   |                 |                |
|--------------------------|-----------------------------------|-----------------|----------------|
| Mode                     | TX channel 371000<br>(1880.00MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                   | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                        |                 |                |

| Antenna Polarity & Test Distance: Vertical at 3 M |             |               |                       |                        |            |             |             |
|---------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                               | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                 | 51.34       | -30.5         | -28.3                 | -8.9                   | -37.2      | -13.0       | -24.2       |
| 2                                                 | 136.70      | -30.4         | -34.3                 | -0.3                   | -34.6      | -13.0       | -21.6       |
| 3                                                 | 289.96      | -37.7         | -42.7                 | 5.2                    | -37.5      | -13.0       | -24.5       |
| 4                                                 | 584.84      | -49.9         | -51.7                 | 4.5                    | -47.2      | -13.0       | -34.2       |
| 5                                                 | 705.12      | -52.0         | -52.0                 | 5.1                    | -46.9      | -13.0       | -33.9       |
| 6                                                 | 873.90      | -47.1         | -44.4                 | 3.9                    | -40.5      | -13.0       | -27.5       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



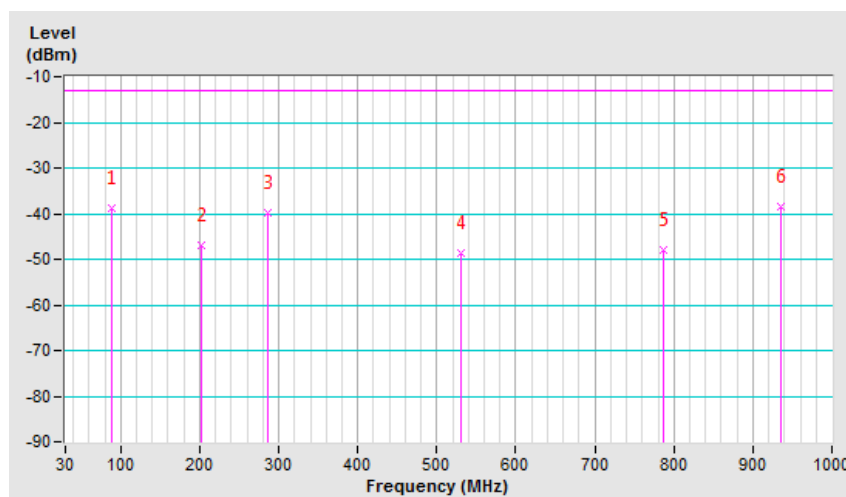
NR Band 2, Channel Bandwidth: 20MHz

|                          |                                   |                 |                |
|--------------------------|-----------------------------------|-----------------|----------------|
| Mode                     | TX channel 372000<br>(1860.00MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                   | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                        |                 |                |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 88.20       | -31.5         | -39.5                 | 0.6                    | -38.9      | -13.0       | -25.9       |
| 2                                                   | 202.66      | -38.4         | -52.4                 | 5.4                    | -47.0      | -13.0       | -34.0       |
| 3                                                   | 286.08      | -36.3         | -44.9                 | 5.2                    | -39.7      | -13.0       | -26.7       |
| 4                                                   | 530.52      | -47.7         | -53.2                 | 4.7                    | -48.5      | -13.0       | -35.5       |
| 5                                                   | 786.60      | -53.2         | -52.1                 | 4.2                    | -47.9      | -13.0       | -34.9       |
| 6                                                   | 935.98      | -45.6         | -42.5                 | 3.9                    | -38.6      | -13.0       | -25.6       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

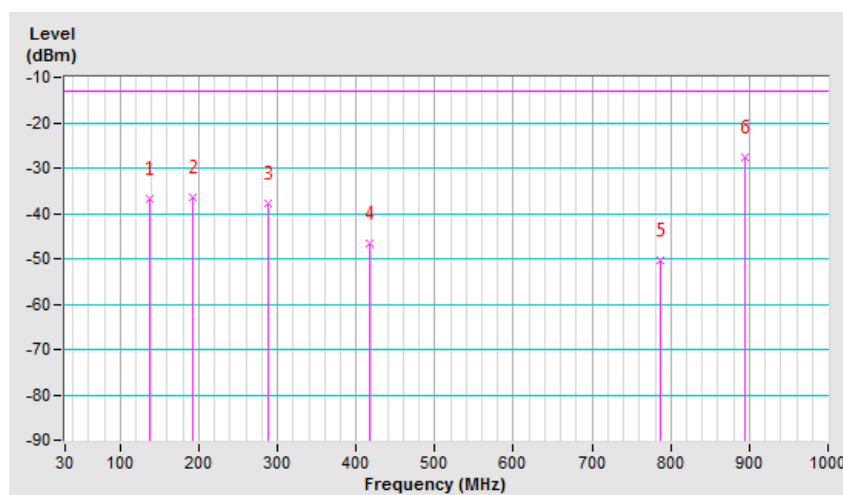


|                          |                                   |                 |                |
|--------------------------|-----------------------------------|-----------------|----------------|
| Mode                     | TX channel 372000<br>(1860.00MHz) | Frequency Range | Below 1000 MHz |
| Environmental Conditions | 25deg. C, 70%RH                   | Input Power     | 120Vac, 60Hz   |
| Tested By                | Noah Chang                        |                 |                |

| Antenna Polarity & Test Distance: Vertical at 3 M |               |               |                       |                        |              |              |              |
|---------------------------------------------------|---------------|---------------|-----------------------|------------------------|--------------|--------------|--------------|
| No.                                               | Freq. (MHz)   | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm)   | Limit (dBm)  | Margin (dB)  |
| 1                                                 | 136.70        | -32.7         | -36.6                 | -0.3                   | -36.9        | -13.0        | -23.9        |
| 2                                                 | 192.96        | -32.6         | -41.1                 | 4.6                    | -36.5        | -13.0        | -23.5        |
| 3                                                 | 288.02        | -38.3         | -43.1                 | 5.2                    | -37.9        | -13.0        | -24.9        |
| 4                                                 | 418.00        | -45.1         | -51.8                 | 5.2                    | -46.6        | -13.0        | -33.6        |
| 5                                                 | 786.60        | -56.5         | -54.5                 | 4.2                    | -50.3        | -13.0        | -37.3        |
| <b>6</b>                                          | <b>895.24</b> | <b>-34.6</b>  | <b>-31.5</b>          | <b>3.9</b>             | <b>-27.6</b> | <b>-13.0</b> | <b>-14.6</b> |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).



Above 1GHz

NR Band 2, Channel Bandwidth 5MHz

|                          |                                   |                 |              |
|--------------------------|-----------------------------------|-----------------|--------------|
| Mode                     | TX channel 370500<br>(1852.50MHz) | Frequency Range | 1GHz ~ 18GHz |
| Environmental Conditions | 25deg. C, 70%RH                   | Input Power     | 120Vac, 60Hz |
| Tested By                | Luis Lee                          |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3705.00     | -65.0         | -59.0                 | 7.1                    | -51.9      | -13.0       | -38.9       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3705.00     | -66.7         | -59.6                 | 7.1                    | -52.5      | -13.0       | -39.5       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                                   |                 |              |
|--------------------------|-----------------------------------|-----------------|--------------|
| Mode                     | TX channel 376000<br>(1880.00MHz) | Frequency Range | 1GHz ~ 18GHz |
| Environmental Conditions | 25deg. C, 70%RH                   | Input Power     | 120Vac, 60Hz |
| Tested By                | Luis Lee                          |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3760.00     | -65.1         | -58.6                 | 7.1                    | -51.5      | -13.0       | -38.5       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3760.00     | -67.0         | -59.6                 | 7.1                    | -52.5      | -13.0       | -39.5       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                                   |                 |              |
|--------------------------|-----------------------------------|-----------------|--------------|
| Mode                     | TX channel 381500<br>(1907.50MHz) | Frequency Range | 1GHz ~ 18GHz |
| Environmental Conditions | 25deg. C, 70%RH                   | Input Power     | 120Vac, 60Hz |
| Tested By                | Luis Lee                          |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3815.00     | -65.3         | -58.5                 | 7.1                    | -51.4      | -13.0       | -38.4       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3815.00     | -67.2         | -59.5                 | 7.1                    | -52.4      | -13.0       | -39.4       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

NR Band 2, Channel Bandwidth 10MHz

|                          |                                   |                 |              |
|--------------------------|-----------------------------------|-----------------|--------------|
| Mode                     | TX channel 371000<br>(1855.00MHz) | Frequency Range | 1GHz ~ 18GHz |
| Environmental Conditions | 25deg. C, 70%RH                   | Input Power     | 120Vac, 60Hz |
| Tested By                | Luis Lee                          |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3710.00     | -65.2         | -59.1                 | 7.1                    | -52.0      | -13.0       | -39.0       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3710.00     | -66.9         | -59.8                 | 7.1                    | -52.7      | -13.0       | -39.7       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                                   |                 |              |
|--------------------------|-----------------------------------|-----------------|--------------|
| Mode                     | TX channel 376000<br>(1880.00MHz) | Frequency Range | 1GHz ~ 18GHz |
| Environmental Conditions | 25deg. C, 70%RH                   | Input Power     | 120Vac, 60Hz |
| Tested By                | Luis Lee                          |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3760.00     | -65.2         | -58.7                 | 7.1                    | -51.6      | -13.0       | -38.6       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3760.00     | -67.2         | -59.8                 | 7.1                    | -52.7      | -13.0       | -39.7       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                                  |                 |              |
|--------------------------|----------------------------------|-----------------|--------------|
| Mode                     | TX channel 381000<br>(1905.00MH) | Frequency Range | 1GHz ~ 18GHz |
| Environmental Conditions | 25deg. C, 70%RH                  | Input Power     | 120Vac, 60Hz |
| Tested By                | Luis Lee                         |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3810.00     | -65.5         | -58.7                 | 7.1                    | -51.6      | -13.0       | -38.6       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3810.00     | -67.1         | -59.4                 | 7.1                    | -52.3      | -13.0       | -39.3       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

NR Band 2, Channel Bandwidth 20MHz

|                          |                                   |                 |              |
|--------------------------|-----------------------------------|-----------------|--------------|
| Mode                     | TX channel 372000<br>(1860.00MHz) | Frequency Range | 1GHz ~ 18GHz |
| Environmental Conditions | 25deg. C, 70%RH                   | Input Power     | 120Vac, 60Hz |
| Tested By                | Luis Lee                          |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3720.00     | -65.2         | -59.0                 | 7.1                    | -51.9      | -13.0       | -38.9       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3720.00     | -66.9         | -59.7                 | 7.1                    | -52.6      | -13.0       | -39.6       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                                   |                 |              |
|--------------------------|-----------------------------------|-----------------|--------------|
| Mode                     | TX channel 376000<br>(1880.00MHz) | Frequency Range | 1GHz ~ 18GHz |
| Environmental Conditions | 25deg. C, 70%RH                   | Input Power     | 120Vac, 60Hz |
| Tested By                | Luis Lee                          |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3760.00     | -65.3         | -58.8                 | 7.1                    | -51.7      | -13.0       | -38.7       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3760.00     | -67.1         | -59.7                 | 7.1                    | -52.6      | -13.0       | -39.6       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

|                          |                                   |                 |              |
|--------------------------|-----------------------------------|-----------------|--------------|
| Mode                     | TX channel 380000<br>(1900.00MHz) | Frequency Range | 1GHz ~ 18GHz |
| Environmental Conditions | 25deg. C, 70%RH                   | Input Power     | 120Vac, 60Hz |
| Tested By                | Luis Lee                          |                 |              |

| Antenna Polarity & Test Distance: Horizontal at 3 M |             |               |                       |                        |            |             |             |
|-----------------------------------------------------|-------------|---------------|-----------------------|------------------------|------------|-------------|-------------|
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3800.00     | -65.5         | -59.4                 | 7.1                    | -52.3      | -13.0       | -39.3       |
| Antenna Polarity & Test Distance: Vertical at 3 M   |             |               |                       |                        |            |             |             |
| No.                                                 | Freq. (MHz) | Reading (dBm) | S.G Power Value (dBm) | Correction Factor (dB) | EIRP (dBm) | Limit (dBm) | Margin (dB) |
| 1                                                   | 3800.00     | -67.3         | -59.6                 | 7.1                    | -52.5      | -13.0       | -39.5       |

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

## 5 Pictures of Test Arrangements

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

## Appendix – Information of 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 and approved according to ISO/IEC 17025.

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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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