

# TEST REPORT

## CERTIFICATE OF CONFORMITY

**Standard:** 47 CFR FCC Part 22  
47 CFR FCC Part 24  
47 CFR FCC Part 27  
47 CFR FCC Part 90  
47 CFR FCC Part 2

**Report No.:** RFBCUN-WTW-P25020520-14

**FCC ID:** H8NPCTE020

**Product:** Mobile Computer

**Brand:** Askey

**Model No.:** RC40

**Received Date:** 2025/3/11

**Test Date:** 2025/3/25 ~ 2025/6/20

**Issued Date:** 2025/7/4

**Applicant:** Askey Computer Corporation

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Lin Kou Laboratories

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**FCC Registration /** 788550 / TW0003

**Designation Number:**

**Approved by:**

*Jeremy Lin*

Jeremy Lin / Project Engineer

**Date:**

2025/7/4

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Prepared by : Vera Huang / Specialist



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## Release Control Record

| Issue No.               | Description      | Date Issued |
|-------------------------|------------------|-------------|
| RFBCUN-WTW-P25020520-14 | Original Release | 2025/7/4    |

## 1 Certificate

**Product:** Mobile Computer

**Brand:** Askey

**Test Model:** RC40

**Sample Status:** Engineering sample

**Applicant:** Askey Computer Corporation

**Test Date:** 2025/3/25 ~ 2025/6/20

**Standard:** 47 CFR FCC Part 22  
47 CFR FCC Part 24  
47 CFR FCC Part 27  
47 CFR FCC Part 90  
47 CFR FCC Part 2

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

**procedure:** ANSI C63.26-2015

KDB 971168 D01 Power Meas License Digital Systems v03r01

KDB 971168 D02 Misc Rev Approv License Devices v02r02

KDB 662911 D01 Multiple Transmitter Output v02r01

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.

## 2 Summary of Test Results

| Standard / Clause                                                                                                                                                                                               | Test Item                                                                  | Result | Remark                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|--------|------------------------------------------------------|
| Part 2.1046<br>Part 22.913 (a)<br>Part 24.232 (c)<br>Part 27.50(d)<br>Part 27.50(h)<br>Part 27.50(c)<br>Part 27.50(b)<br>Part 27.50(a)<br>Part 27.50(k)<br>Part 27.50(j)<br>Part 90.635(b)<br>Part 90.542(a)(7) | Effective Radiated Power and<br>Equivalent Isotropically Radiated<br>Power | Pass   | Meet the requirement of limit.                       |
| Part 2.1047                                                                                                                                                                                                     | Modulation Characteristics                                                 | Pass   | Meet the requirement of limit.                       |
| Part 22.913 (d)<br>Part 24.232 (d)<br>Part 27.50(d)<br>Part 27.50(k)(4)<br>Part 27.50(j)(4)                                                                                                                     | Peak to Average Ratio                                                      | Pass   | Meet the requirement of limit.                       |
| Part 2.1049                                                                                                                                                                                                     | Bandwidth                                                                  | Pass   | Meet the requirement of limit.                       |
| Part 2.1051<br>Part 22.917<br>Part 24.238<br>Part 27.53(h)<br>Part 27.53(m)<br>Part 27.53(g)<br>Part 27.53(c)(f)<br>Part 27.53(a)<br>Part 27.53(n)<br>Part 27.53(l)<br>Part 90.691<br>Part 90.543(e)(f)         | Conducted Spurious Emissions                                               | Pass   | Meet the requirement of limit.                       |
| Part 2.1053<br>Part 22.917<br>Part 24.238<br>Part 27.53(h)<br>Part 27.53(m)<br>Part 27.53(g)<br>Part 27.53(c)(f)<br>Part 27.53(a)<br>Part 27.53(n)<br>Part 27.53(l)<br>Part 90.691<br>Part 90.543(e)(f)         | Radiated Spurious Emissions below<br>1GHz                                  | Pass   | Minimum passing margin is -10.58 dB at<br>189.08 MHz |

| Standard / Clause                                                                                                                                                                                       | Test Item                              | Result | Remark                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--------|---------------------------------------------------|
| Part 2.1053<br>Part 22.917<br>Part 24.238<br>Part 27.53(h)<br>Part 27.53(m)<br>Part 27.53(g)<br>Part 27.53(c)(f)<br>Part 27.53(a)<br>Part 27.53(n)<br>Part 27.53(l)<br>Part 90.691<br>Part 90.543(e)(f) | Radiated Spurious Emissions above 1GHz | Pass   | Minimum passing margin is -6.30 dB at 1586.00 MHz |
| Part 2.1055<br>Part 22.355<br>Part 24.235<br>Part 27.54<br>Part 90.213<br>Part 90.539(e)                                                                                                                | Frequency Stability                    | Pass   | Meet the requirement of limit.                    |

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:

| Parameter                                                            | Specification   | Uncertainty (±) |
|----------------------------------------------------------------------|-----------------|-----------------|
| Effective Radiated Power and Equivalent Isotropically Radiated Power | -               | 1.371 dB        |
| Peak to Average Ratio                                                | -               | 0.920 dB        |
| Bandwidth                                                            | -               | 960 Hz          |
| Conducted Spurious Emissions                                         | -               | 2.12 dB         |
| Radiated Spurious Emissions below 1GHz                               | 9 kHz ~ 30 MHz  | 3.59 dB         |
|                                                                      | 30 MHz ~ 1 GHz  | 3.6 dB          |
| Radiated Spurious Emissions above 1GHz                               | 1 GHz ~ 18 GHz  | 2.29 dB         |
|                                                                      | 18 GHz ~ 40 GHz | 2.29 dB         |
| Frequency Stability                                                  | -               | 0.176 ppm       |

The other instruments specified are routine verified to remain within the calibrated levels, no measurement uncertainty is required to be calculated.

## 2.2 Supplementary Information

There is not any deviation from the test standards for the test method, and no modifications required for compliance.

### 3 General Information

#### 3.1 General Description of EUT

|                          |                                                                                                  |
|--------------------------|--------------------------------------------------------------------------------------------------|
| Product                  | Mobile Computer                                                                                  |
| Brand                    | Askey                                                                                            |
| Test Model               | RC40                                                                                             |
| Status of EUT            | Engineering sample                                                                               |
| Power Supply Rating      | 5 / 9 / 12 / 15 / 20Vdc (from adapter)<br>3.85Vdc (from battery)<br>12Vdc (from Charging Cradle) |
| Modulation Type          | 5GNR: DFT-s-OFDM, CP-OFDM                                                                        |
| 5G NR support SISO bands | n2, n5, n7, n12, n13, n14, n25, n26, n30, n38, n41, n66, n70, n71, n77, n78                      |
| 5G NR support MIMO bands | n41, n77, n78                                                                                    |

Note:

1. The EUT contains following accessories.

|                                                     |                          |                                    |
|-----------------------------------------------------|--------------------------|------------------------------------|
| Battery                                             | Brand                    | Askey                              |
|                                                     | Model                    | RC40-BR-SBL500                     |
|                                                     | Nominal Voltage          | 3.85V                              |
|                                                     | Nominal Capacity         | 5000mAh, 19.25Wh                   |
|                                                     | Rated Capacity           | 4900mAh, 18.865Wh                  |
|                                                     | Limited Charging Voltage | 4.4V                               |
| AC Adapter 1<br>(for Charging Cradle)<br>(Optional) | Brand                    | Sunny Computer Technology Co.,LTD. |
|                                                     | Model                    | SYS1649-5012-T3                    |
|                                                     | Input                    | 100-240V~, 1.5A MAX,50-60Hz        |
|                                                     | Output                   | +12.0V=4.16A                       |
|                                                     | Output Power             | 50.0W MAX.                         |
|                                                     | Description              | 1.2M / 1core                       |
| Power Cord<br>(for AC Adapter 1 & 3)<br>(Optional)  | Brand                    | I-SHENG                            |
|                                                     | Model                    | V5BVS33161218002                   |
|                                                     | Description              | 1.8M                               |
| AC Adapter 2<br>(Optional)                          | Brand                    | CHANNEL WELL TECHNOLOGY            |
|                                                     | Model                    | A1C030AC                           |
|                                                     | Input                    | 100-240V~, 50-60Hz, 1.2A           |
|                                                     | Output                   | 5.0V= 3.0A 15.0W                   |
|                                                     |                          | 9.0V= 3.0A 27.0W                   |
| 12.0V= 2.5A 30.0W                                   |                          |                                    |
| 15.0V= 2.0A 30.0W                                   |                          |                                    |
| 20.0V=1.5A 30.0W                                    |                          |                                    |
| AC Adapter 3<br>(for Charging Cradle)<br>(Optional) | Brand                    | MASS POWER                         |
|                                                     | Model                    | S050-1A120416B3                    |
|                                                     | Input                    | 100-240V~ 50-60Hz, 1.5A            |
|                                                     | Output                   | 12.0V 4.16A, 49.92W                |
| Charging Cradle<br>(Optional)                       | Brand                    | Askey                              |
|                                                     | Model                    | RC40-CD-TBE100                     |
| Scan Handle<br>(Optional)                           | Brand                    | Askey                              |
|                                                     | Model                    | RC40-PT-TGH000                     |

2. The EUT uses following support unit.

|                  |             |               |
|------------------|-------------|---------------|
| USB C to C Cable | Brand       | HOTRON        |
|                  | Model       | D0018100R7XYY |
|                  | Description | 0.92m         |

### 3. EUT Overview

#### NR n2 SCS 15 kHz

| Bandwidth | TX Frequency Range (MHz) | Modulation | Max. EIRP (W) | Max. EIRP (dBm) | Emission Designator |
|-----------|--------------------------|------------|---------------|-----------------|---------------------|
| 5 MHz     | 1852.5 ~ 1907.5          | BPSK       | 0.538         | 27.31           | 4M49G7D             |
|           |                          | QPSK       | 0.545         | 27.36           | 4M47G7D             |
|           |                          | 16QAM      | 0.366         | 25.64           | 4M47D7W             |
|           |                          | 64QAM      | 0.322         | 25.08           | 4M48D7W             |
|           |                          | 256QAM     | 0.2           | 23.01           | 4M49D7W             |
| 10 MHz    | 1855 ~ 1905              | BPSK       | 0.542         | 27.34           | 9M23G7D             |
|           |                          | QPSK       | 0.552         | 27.42           | 9M31G7D             |
|           |                          | 16QAM      | 0.366         | 25.64           | 9M29D7W             |
|           |                          | 64QAM      | 0.324         | 25.11           | 9M29D7W             |
|           |                          | 256QAM     | 0.202         | 23.06           | 9M32D7W             |
| 15 MHz    | 1857.5 ~ 1902.5          | BPSK       | 0.547         | 27.38           | 14M0G7D             |
|           |                          | QPSK       | 0.557         | 27.46           | 14M1G7D             |
|           |                          | 16QAM      | 0.371         | 25.69           | 14M1D7W             |
|           |                          | 64QAM      | 0.33          | 25.18           | 14M1D7W             |
|           |                          | 256QAM     | 0.205         | 23.12           | 14M1D7W             |
| 20 MHz    | 1860 ~ 1900              | BPSK       | 0.557         | 27.46           | 18M8G7D             |
|           |                          | QPSK       | 0.562         | 27.50           | 18M9G7D             |
|           |                          | 16QAM      | 0.372         | 25.70           | 18M9D7W             |
|           |                          | 64QAM      | 0.336         | 25.26           | 18M9D7W             |
|           |                          | 256QAM     | 0.207         | 23.17           | 18M9D7W             |

#### NR n5 SCS 15 kHz

| Bandwidth | TX Frequency Range (MHz) | Modulation | Max. ERP (W) | Max. ERP (dBm) | Emission Designator |
|-----------|--------------------------|------------|--------------|----------------|---------------------|
| 5 MHz     | 826.5 ~ 846.5            | BPSK       | 0.123        | 20.90          | 4M49G7D             |
|           |                          | QPSK       | 0.126        | 20.99          | 4M49G7D             |
|           |                          | 16QAM      | 0.079        | 18.96          | 4M46D7W             |
|           |                          | 64QAM      | 0.074        | 18.68          | 4M47D7W             |
|           |                          | 256QAM     | 0.046        | 16.61          | 4M49D7W             |
| 10 MHz    | 829 ~ 844                | BPSK       | 0.126        | 20.99          | 9M20G7D             |
|           |                          | QPSK       | 0.128        | 21.08          | 9M28G7D             |
|           |                          | 16QAM      | 0.08         | 19.01          | 9M28D7W             |
|           |                          | 64QAM      | 0.074        | 18.69          | 9M26D7W             |
|           |                          | 256QAM     | 0.046        | 16.67          | 9M30D7W             |
| 15 MHz    | 831.5 ~ 841.5            | BPSK       | 0.127        | 21.03          | 14M0G7D             |
|           |                          | QPSK       | 0.129        | 21.11          | 14M1G7D             |
|           |                          | 16QAM      | 0.081        | 19.11          | 14M1D7W             |
|           |                          | 64QAM      | 0.074        | 18.69          | 14M1D7W             |
|           |                          | 256QAM     | 0.047        | 16.76          | 14M1D7W             |
| 20 MHz    | 834 ~ 839                | BPSK       | 0.127        | 21.05          | 18M8G7D             |
|           |                          | QPSK       | 0.13         | 21.14          | 18M8G7D             |
|           |                          | 16QAM      | 0.082        | 19.15          | 18M9D7W             |
|           |                          | 64QAM      | 0.075        | 18.76          | 18M9D7W             |
|           |                          | 256QAM     | 0.048        | 16.81          | 18M9D7W             |

### NR n7 SCS 15 kHz

| Bandwidth | TX Frequency Range (MHz) | Modulation | Max. EIRP (W) | Max. EIRP (dBm) | Emission Designator |
|-----------|--------------------------|------------|---------------|-----------------|---------------------|
| 5 MHz     | 2502.5 ~ 2567.5          | BPSK       | 0.776         | 28.90           | 4M50G7D             |
|           |                          | QPSK       | 0.798         | 29.02           | 4M49G7D             |
|           |                          | 16QAM      | 0.492         | 26.92           | 4M49D7W             |
|           |                          | 64QAM      | 0.451         | 26.54           | 4M48D7W             |
|           |                          | 256QAM     | 0.287         | 24.58           | 4M50D7W             |
| 10 MHz    | 2505 ~ 2565              | BPSK       | 0.787         | 28.96           | 9M22G7D             |
|           |                          | QPSK       | 0.805         | 29.06           | 9M31G7D             |
|           |                          | 16QAM      | 0.5           | 26.99           | 9M31D7W             |
|           |                          | 64QAM      | 0.456         | 26.59           | 9M30D7W             |
|           |                          | 256QAM     | 0.29          | 24.63           | 9M30D7W             |
| 15 MHz    | 2507.5 ~ 2562.5          | BPSK       | 0.796         | 29.01           | 14M0G7D             |
|           |                          | QPSK       | 0.818         | 29.13           | 14M1G7D             |
|           |                          | 16QAM      | 0.511         | 27.08           | 14M1D7W             |
|           |                          | 64QAM      | 0.458         | 26.61           | 14M1D7W             |
|           |                          | 256QAM     | 0.291         | 24.64           | 14M1D7W             |
| 20 MHz    | 2510 ~ 2560              | BPSK       | 0.807         | 29.07           | 18M8G7D             |
|           |                          | QPSK       | 0.826         | 29.17           | 18M9G7D             |
|           |                          | 16QAM      | 0.512         | 27.09           | 18M9D7W             |
|           |                          | 64QAM      | 0.46          | 26.63           | 18M9D7W             |
|           |                          | 256QAM     | 0.293         | 24.67           | 18M9D7W             |

### NR n12 SCS 15 kHz

| Bandwidth | TX Frequency Range (MHz) | Modulation | Max. ERP (W) | Max. ERP (dBm) | Emission Designator |
|-----------|--------------------------|------------|--------------|----------------|---------------------|
| 5 MHz     | 701.5 ~ 713.5            | BPSK       | 0.046        | 16.62          | 4M49G7D             |
|           |                          | QPSK       | 0.047        | 16.69          | 4M48G7D             |
|           |                          | 16QAM      | 0.030        | 14.84          | 4M47D7W             |
|           |                          | 64QAM      | 0.029        | 14.55          | 4M47D7W             |
|           |                          | 256QAM     | 0.019        | 12.68          | 4M51D7W             |
| 10 MHz    | 704 ~ 711                | BPSK       | 0.046        | 16.63          | 9M18G7D             |
|           |                          | QPSK       | 0.047        | 16.74          | 9M29G7D             |
|           |                          | 16QAM      | 0.031        | 14.86          | 9M28D7W             |
|           |                          | 64QAM      | 0.029        | 14.56          | 9M26D7W             |
|           |                          | 256QAM     | 0.019        | 12.7           | 9M30D7W             |
| 15 MHz    | 706.5 ~ 708.5            | BPSK       | 0.047        | 16.68          | 13M4G7D             |
|           |                          | QPSK       | 0.048        | 16.77          | 14M1G7D             |
|           |                          | 16QAM      | 0.031        | 14.96          | 14M1D7W             |
|           |                          | 64QAM      | 0.029        | 14.58          | 14M1D7W             |
|           |                          | 256QAM     | 0.019        | 12.7           | 14M1D7W             |

### NR n13 SCS 15 kHz

| Bandwidth | TX Frequency Range (MHz) | Modulation | Max. ERP (W) | Max. ERP (dBm) | Emission Designator |
|-----------|--------------------------|------------|--------------|----------------|---------------------|
| 5 MHz     | 779.5 ~ 784.5            | BPSK       | 0.118        | 20.72          | 4M49G7D             |
|           |                          | QPSK       | 0.121        | 20.84          | 4M48G7D             |
|           |                          | 16QAM      | 0.08         | 19.03          | 4M47D7W             |
|           |                          | 64QAM      | 0.072        | 18.60          | 4M47D7W             |
|           |                          | 256QAM     | 0.046        | 16.62          | 4M50D7W             |
| 10 MHz    | 782                      | BPSK       | 0.119        | 20.76          | 9M16G7D             |
|           |                          | QPSK       | 0.122        | 20.87          | 9M28G7D             |
|           |                          | 16QAM      | 0.08         | 19.05          | 9M27D7W             |
|           |                          | 64QAM      | 0.073        | 18.61          | 9M25D7W             |
|           |                          | 256QAM     | 0.046        | 16.66          | 9M27D7W             |

### NR n14 SCS 15 kHz

| Bandwidth | TX Frequency Range (MHz) | Modulation | Max. ERP (W) | Max. ERP (dBm) | Emission Designator |
|-----------|--------------------------|------------|--------------|----------------|---------------------|
| 5 MHz     | 790.5 ~ 795.5            | BPSK       | 0.12         | 20.80          | 4M49G7D             |
|           |                          | QPSK       | 0.124        | 20.92          | 4M50G7D             |
|           |                          | 16QAM      | 0.079        | 18.99          | 4M48D7W             |
|           |                          | 64QAM      | 0.075        | 18.74          | 4M47D7W             |
|           |                          | 256QAM     | 0.048        | 16.80          | 4M49D7W             |
| 10 MHz    | 793                      | BPSK       | 0.123        | 20.89          | 9M19G7D             |
|           |                          | QPSK       | 0.125        | 20.97          | 9M29G7D             |
|           |                          | 16QAM      | 0.08         | 19.05          | 9M27D7W             |
|           |                          | 64QAM      | 0.075        | 18.75          | 9M24D7W             |
|           |                          | 256QAM     | 0.048        | 16.81          | 9M27D7W             |

### NR n25 SCS 15 kHz

| Bandwidth | TX Frequency Range (MHz) | Modulation | Max. EIRP (W) | Max. EIRP (dBm) | Emission Designator |
|-----------|--------------------------|------------|---------------|-----------------|---------------------|
| 5 MHz     | 1852.5 ~ 1912.5          | BPSK       | 0.553         | 27.43           | 4M63G7D             |
|           |                          | QPSK       | 0.575         | 27.60           | 4M63G7D             |
|           |                          | 16QAM      | 0.356         | 25.51           | 4M61D7W             |
|           |                          | 64QAM      | 0.315         | 24.98           | 4M63D7W             |
|           |                          | 256QAM     | 0.213         | 23.29           | 4M64D7W             |
| 10 MHz    | 1855 ~ 1910              | BPSK       | 0.558         | 27.47           | 9M20G7D             |
|           |                          | QPSK       | 0.581         | 27.64           | 9M28G7D             |
|           |                          | 16QAM      | 0.357         | 25.53           | 9M30D7W             |
|           |                          | 64QAM      | 0.32          | 25.05           | 9M27D7W             |
|           |                          | 256QAM     | 0.216         | 23.35           | 9M29D7W             |
| 15 MHz    | 1857.5 ~ 1907.5          | BPSK       | 0.569         | 27.55           | 14M0G7D             |
|           |                          | QPSK       | 0.586         | 27.68           | 14M1G7D             |
|           |                          | 16QAM      | 0.362         | 25.59           | 14M1D7W             |
|           |                          | 64QAM      | 0.327         | 25.15           | 14M1D7W             |
|           |                          | 256QAM     | 0.217         | 23.36           | 14M1D7W             |
| 20 MHz    | 1860 ~ 1905              | BPSK       | 0.578         | 27.62           | 18M8G7D             |
|           |                          | QPSK       | 0.59          | 27.71           | 18M9G7D             |
|           |                          | 16QAM      | 0.364         | 25.61           | 18M9D7W             |
|           |                          | 64QAM      | 0.333         | 25.22           | 18M9D7W             |
|           |                          | 256QAM     | 0.217         | 23.37           | 18M9D7W             |

### NR n26 SCS 15 kHz (814 MHz ~ 824 MHz)

| Bandwidth | TX Frequency Range (MHz) | Modulation | Max. ERP (W) | Max. ERP (dBm) | Emission Designator |
|-----------|--------------------------|------------|--------------|----------------|---------------------|
| 5 MHz     | 816.5 ~ 821.5            | BPSK       | 0.128        | 21.08          | 4M49G7D             |
|           |                          | QPSK       | 0.132        | 21.19          | 4M48G7D             |
|           |                          | 16QAM      | 0.078        | 18.92          | 4M48D7W             |
|           |                          | 64QAM      | 0.073        | 18.66          | 4M48D7W             |
|           |                          | 256QAM     | 0.049        | 16.92          | 4M49D7W             |
| 10 MHz    | 819                      | BPSK       | 0.13         | 21.14          | 9M18G7D             |
|           |                          | QPSK       | 0.134        | 21.26          | 9M29G7D             |
|           |                          | 16QAM      | 0.079        | 18.99          | 9M29D7W             |
|           |                          | 64QAM      | 0.073        | 18.66          | 9M26D7W             |
|           |                          | 256QAM     | 0.05         | 16.95          | 9M28D7W             |

### NR n26 SCS 15 kHz (824 MHz ~ 849 MHz)

| Bandwidth | TX Frequency Range (MHz) | Modulation | Max. ERP (W) | Max. ERP (dBm) | Emission Designator |
|-----------|--------------------------|------------|--------------|----------------|---------------------|
| 5 MHz     | 826.5 ~ 846.5            | BPSK       | 0.131        | 21.17          | 4M48G7D             |
|           |                          | QPSK       | 0.133        | 21.24          | 4M47G7D             |
|           |                          | 16QAM      | 0.079        | 18.95          | 4M48D7W             |
|           |                          | 64QAM      | 0.073        | 18.63          | 4M48D7W             |
|           |                          | 256QAM     | 0.05         | 16.99          | 4M48D7W             |
| 10 MHz    | 829 ~ 844                | BPSK       | 0.131        | 21.17          | 8M94G7D             |
|           |                          | QPSK       | 0.134        | 21.28          | 9M29G7D             |
|           |                          | 16QAM      | 0.079        | 19.00          | 9M28D7W             |
|           |                          | 64QAM      | 0.074        | 18.67          | 9M28D7W             |
|           |                          | 256QAM     | 0.050        | 16.99          | 9M29D7W             |
| 15 MHz    | 831.5 ~ 841.5            | BPSK       | 0.132        | 21.21          | 13M4G7D             |
|           |                          | QPSK       | 0.136        | 21.34          | 14M1G7D             |
|           |                          | 16QAM      | 0.081        | 19.07          | 14M1D7W             |
|           |                          | 64QAM      | 0.075        | 18.74          | 14M1D7W             |
|           |                          | 256QAM     | 0.050        | 17.00          | 14M1D7W             |
| 20 MHz    | 834 ~ 839                | BPSK       | 0.134        | 21.26          | 17M9G7D             |
|           |                          | QPSK       | 0.138        | 21.39          | 18M9G7D             |
|           |                          | 16QAM      | 0.082        | 19.16          | 18M9D7W             |
|           |                          | 64QAM      | 0.076        | 18.82          | 18M9D7W             |
|           |                          | 256QAM     | 0.051        | 17.08          | 18M9D7W             |

### NR n30 SCS 15 kHz

| Bandwidth | TX Frequency Range (MHz) | Modulation | Max. EIRP (W) | Max. EIRP (dBm) | Emission Designator |
|-----------|--------------------------|------------|---------------|-----------------|---------------------|
| 10 MHz    | 2310                     | BPSK       | 0.232         | 23.65           | 9M22G7D             |
|           |                          | QPSK       | 0.236         | 23.72           | 9M31G7D             |
|           |                          | 16QAM      | 0.149         | 21.73           | 9M32D7W             |
|           |                          | 64QAM      | 0.105         | 20.22           | 9M27D7W             |
|           |                          | 256QAM     | 0.058         | 17.65           | 9M29D7W             |

### NR n38 SCS 30 kHz

| Bandwidth | TX Frequency Range (MHz) | Modulation | Max. EIRP (W) | Max. EIRP (dBm) | Emission Designator |
|-----------|--------------------------|------------|---------------|-----------------|---------------------|
| 20 MHz    | 2580 ~ 2610              | BPSK       | 0.75          | 28.75           | 18M0G7D             |
|           |                          | QPSK       | 0.769         | 28.86           | 18M2G7D             |
|           |                          | 16QAM      | 0.462         | 26.65           | 18M2D7W             |
|           |                          | 64QAM      | 0.425         | 26.28           | 18M2D7W             |
|           |                          | 256QAM     | 0.276         | 24.41           | 18M3D7W             |
| 30 MHz    | 2585 ~ 2605              | BPSK       | 0.764         | 28.83           | 27M6G7D             |
|           |                          | QPSK       | 0.774         | 28.89           | 27M9G7D             |
|           |                          | 16QAM      | 0.467         | 26.69           | 27M8D7W             |
|           |                          | 64QAM      | 0.425         | 26.28           | 27M8D7W             |
|           |                          | 256QAM     | 0.277         | 24.43           | 27M9D7W             |
| 40 MHz    | 2590 ~ 2600              | BPSK       | 0.767         | 28.85           | 37M5G7D             |
|           |                          | QPSK       | 0.78          | 28.92           | 37M9G7D             |
|           |                          | 16QAM      | 0.472         | 26.74           | 37M9D7W             |
|           |                          | 64QAM      | 0.432         | 26.35           | 37M9D7W             |
|           |                          | 256QAM     | 0.279         | 24.46           | 37M7D7W             |

### NR n41 SCS 30 kHz

#### SISO Mode (Ant. 3)

| Bandwidth | TX Frequency Range (MHz) | Modulation | Max. EIRP (W) | Max. EIRP (dBm) | Emission Designator |
|-----------|--------------------------|------------|---------------|-----------------|---------------------|
| 20 MHz    | 2506.02 ~ 2679.99        | BPSK       | 1.086         | 30.36           | 18M0G7D             |
|           |                          | QPSK       | 1.119         | 30.49           | 18M3G7D             |
|           |                          | 16QAM      | 0.483         | 26.84           | 18M3D7W             |
|           |                          | 64QAM      | 0.492         | 26.92           | 18M3D7W             |
|           |                          | 256QAM     | 0.389         | 25.90           | 18M2D7W             |
| 30 MHz    | 2511 ~ 2674.98           | BPSK       | 1.089         | 30.37           | 27M6G7D             |
|           |                          | QPSK       | 1.109         | 30.45           | 28M0G7D             |
|           |                          | 16QAM      | 0.491         | 26.91           | 27M9D7W             |
|           |                          | 64QAM      | 0.488         | 26.88           | 27M9D7W             |
|           |                          | 256QAM     | 0.384         | 25.84           | 27M9D7W             |
| 40 MHz    | 2516.01 ~ 2670           | BPSK       | 1.099         | 30.41           | 37M7G7D             |
|           |                          | QPSK       | 1.117         | 30.48           | 38M1G7D             |
|           |                          | 16QAM      | 0.485         | 26.86           | 38M0D7W             |
|           |                          | 64QAM      | 0.488         | 26.88           | 38M0D7W             |
|           |                          | 256QAM     | 0.385         | 25.85           | 37M8D7W             |
| 50 MHz    | 2521.02 ~ 2664.99        | BPSK       | 1.086         | 30.36           | 47M2G7D             |
|           |                          | QPSK       | 1.112         | 30.46           | 47M7G7D             |
|           |                          | 16QAM      | 0.492         | 26.92           | 47M7D7W             |
|           |                          | 64QAM      | 0.486         | 26.87           | 47M6D7W             |
|           |                          | 256QAM     | 0.386         | 25.87           | 47M5D7W             |

| Bandwidth | TX Frequency Range (MHz) | Modulation | Max. EIRP (W) | Max. EIRP (dBm) | Emission Designator |
|-----------|--------------------------|------------|---------------|-----------------|---------------------|
| 60 MHz    | 2526 ~ 2659.98           | BPSK       | 1.081         | 30.34           | 57M8G7D             |
|           |                          | QPSK       | 1.117         | 30.48           | 58M1G7D             |
|           |                          | 16QAM      | 0.492         | 26.92           | 58M1D7W             |
|           |                          | 64QAM      | 0.497         | 26.96           | 58M0D7W             |
|           |                          | 256QAM     | 0.382         | 25.82           | 57M8D7W             |
| 70 MHz    | 2531.01 ~ 2655           | BPSK       | 1.089         | 30.37           | 66M9G7D             |
|           |                          | QPSK       | 1.114         | 30.47           | 67M9G7D             |
|           |                          | 16QAM      | 0.491         | 26.91           | 67M7D7W             |
|           |                          | 64QAM      | 0.489         | 26.89           | 67M7D7W             |
|           |                          | 256QAM     | 0.389         | 25.90           | 67M4D7W             |
| 80 MHz    | 2536.02 ~ 2649.99        | BPSK       | 1.086         | 30.36           | 77M0G7D             |
|           |                          | QPSK       | 1.112         | 30.46           | 77M6G7D             |
|           |                          | 16QAM      | 0.486         | 26.87           | 77M7D7W             |
|           |                          | 64QAM      | 0.498         | 26.97           | 77M6D7W             |
|           |                          | 256QAM     | 0.385         | 25.85           | 77M7D7W             |
| 90 MHz    | 2541 ~ 2644.98           | BPSK       | 1.086         | 30.36           | 86M8G7D             |
|           |                          | QPSK       | 1.114         | 30.47           | 87M5G7D             |
|           |                          | 16QAM      | 0.484         | 26.85           | 87M8D7W             |
|           |                          | 64QAM      | 0.492         | 26.92           | 87M5D7W             |
|           |                          | 256QAM     | 0.386         | 25.87           | 87M3D7W             |
| 100 MHz   | 2546.01 ~ 2640           | BPSK       | 1.099         | 30.41           | 96M1G7D             |
|           |                          | QPSK       | 1.125         | 30.51           | 97M5G7D             |
|           |                          | 16QAM      | 0.492         | 26.92           | 97M5D7W             |
|           |                          | 64QAM      | 0.498         | 26.97           | 97M2D7W             |
|           |                          | 256QAM     | 0.390         | 25.91           | 97M2D7W             |

Note: The emission designator for QPSK, 16QAM, 64QAM, and 256QAM were based on the occupied bandwidth of the MIMO-Ant. 3 mode.

## MIMO Mode

| Bandwidth | TX Frequency Range (MHz) | Modulation | Max. EIRP (W) | Max. EIRP (dBm) | Emission Designator |
|-----------|--------------------------|------------|---------------|-----------------|---------------------|
| 20 MHz    | 2506.02 ~ 2679.99        | QPSK       | 1.094         | 30.39           | 18M3G7D             |
|           |                          | 16QAM      | 0.684         | 28.35           | 18M3D7W             |
|           |                          | 64QAM      | 0.611         | 27.86           | 18M3D7W             |
|           |                          | 256QAM     | 0.379         | 25.79           | 18M2D7W             |
| 30 MHz    | 2511 ~ 2674.98           | QPSK       | 1.102         | 30.42           | 28M0G7D             |
|           |                          | 16QAM      | 0.693         | 28.41           | 27M9D7W             |
|           |                          | 64QAM      | 0.615         | 27.89           | 27M9D7W             |
|           |                          | 256QAM     | 0.390         | 25.91           | 27M9D7W             |
| 40 MHz    | 2516.01 ~ 2670           | QPSK       | 1.094         | 30.39           | 38M1G7D             |
|           |                          | 16QAM      | 0.711         | 28.52           | 38M0D7W             |
|           |                          | 64QAM      | 0.630         | 27.99           | 38M0D7W             |
|           |                          | 256QAM     | 0.397         | 25.99           | 37M8D7W             |
| 50 MHz    | 2521.02 ~ 2664.99        | QPSK       | 1.096         | 30.4            | 47M7G7D             |
|           |                          | 16QAM      | 0.719         | 28.57           | 47M7D7W             |
|           |                          | 64QAM      | 0.630         | 27.99           | 47M6D7W             |
|           |                          | 256QAM     | 0.399         | 26.01           | 47M5D7W             |
| 60 MHz    | 2526 ~ 2659.98           | QPSK       | 1.119         | 30.49           | 58M1G7D             |
|           |                          | 16QAM      | 0.724         | 28.6            | 58M1D7W             |
|           |                          | 64QAM      | 0.632         | 28.01           | 58M0D7W             |
|           |                          | 256QAM     | 0.4           | 26.02           | 57M8D7W             |
| 70 MHz    | 2531.01 ~ 2655           | QPSK       | 1.109         | 30.45           | 67M9G7D             |
|           |                          | 16QAM      | 0.719         | 28.57           | 67M7D7W             |
|           |                          | 64QAM      | 0.644         | 28.09           | 67M7D7W             |
|           |                          | 256QAM     | 0.401         | 26.03           | 67M4D7W             |
| 80 MHz    | 2536.02 ~ 2649.99        | QPSK       | 1.102         | 30.42           | 77M6G7D             |
|           |                          | 16QAM      | 0.736         | 28.67           | 77M7D7W             |
|           |                          | 64QAM      | 0.65          | 28.13           | 77M6D7W             |
|           |                          | 256QAM     | 0.408         | 26.11           | 77M7D7W             |
| 90 MHz    | 2541 ~ 2644.98           | QPSK       | 1.114         | 30.47           | 87M5G7D             |
|           |                          | 16QAM      | 0.729         | 28.63           | 87M8D7W             |
|           |                          | 64QAM      | 0.649         | 28.12           | 87M5D7W             |
|           |                          | 256QAM     | 0.417         | 26.2            | 87M3D7W             |
| 100 MHz   | 2546.01 ~ 2640           | QPSK       | 1.122         | 30.5            | 97M5G7D             |
|           |                          | 16QAM      | 0.695         | 28.42           | 97M5D7W             |
|           |                          | 64QAM      | 0.632         | 28.01           | 97M4D7W             |
|           |                          | 256QAM     | 0.417         | 26.2            | 97M2D7W             |

#### NR n66 SCS 15 kHz

| Bandwidth | TX Frequency Range (MHz) | Modulation | Max. EIRP (W) | Max. EIRP (dBm) | Emission Designator |
|-----------|--------------------------|------------|---------------|-----------------|---------------------|
| 5 MHz     | 1712.5 ~ 1777.5          | BPSK       | 0.305         | 24.84           | 4M48G7D             |
|           |                          | QPSK       | 0.312         | 24.94           | 4M48G7D             |
|           |                          | 16QAM      | 0.206         | 23.13           | 4M47D7W             |
|           |                          | 64QAM      | 0.191         | 22.80           | 4M47D7W             |
|           |                          | 256QAM     | 0.126         | 21.01           | 4M49D7W             |
| 10 MHz    | 1715 ~ 1775              | BPSK       | 0.306         | 24.86           | 9M18G7D             |
|           |                          | QPSK       | 0.317         | 25.01           | 9M27G7D             |
|           |                          | 16QAM      | 0.207         | 23.17           | 9M26D7W             |
|           |                          | 64QAM      | 0.192         | 22.84           | 9M27D7W             |
|           |                          | 256QAM     | 0.127         | 21.04           | 9M30D7W             |
| 15 MHz    | 1717.5 ~ 1772.5          | BPSK       | 0.308         | 24.88           | 14M0G7D             |
|           |                          | QPSK       | 0.319         | 25.04           | 14M1G7D             |
|           |                          | 16QAM      | 0.211         | 23.25           | 14M1D7W             |
|           |                          | 64QAM      | 0.196         | 22.92           | 14M1D7W             |
|           |                          | 256QAM     | 0.128         | 21.07           | 14M1D7W             |
| 20 MHz    | 1720 ~ 1770              | BPSK       | 0.312         | 24.94           | 18M8G7D             |
|           |                          | QPSK       | 0.321         | 25.07           | 18M9G7D             |
|           |                          | 16QAM      | 0.216         | 23.35           | 18M9D7W             |
|           |                          | 64QAM      | 0.198         | 22.97           | 18M9D7W             |
|           |                          | 256QAM     | 0.13          | 21.15           | 18M9D7W             |

#### NR n70 SCS 15 kHz

| Bandwidth | TX Frequency Range (MHz) | Modulation | Max. EIRP (W) | Max. EIRP (dBm) | Emission Designator |
|-----------|--------------------------|------------|---------------|-----------------|---------------------|
| 15 MHz    | 1702.5                   | BPSK       | 0.194         | 22.87           | 13M5G7D             |
|           |                          | QPSK       | 0.197         | 22.95           | 14M2G7D             |
|           |                          | 16QAM      | 0.128         | 21.06           | 14M2D7W             |
|           |                          | 64QAM      | 0.112         | 20.49           | 14M2D7W             |
|           |                          | 256QAM     | 0.07          | 18.42           | 14M2D7W             |

# NR n71 SCS 15 kHz

| Bandwidth | TX Frequency Range (MHz) | Modulation | Max. ERP (W) | Max. ERP (dBm) | Emission Designator |
|-----------|--------------------------|------------|--------------|----------------|---------------------|
| 5 MHz     | 665.5 ~ 695.5            | BPSK       | 0.045        | 16.49          | 4M49G7D             |
|           |                          | QPSK       | 0.046        | 16.63          | 4M48G7D             |
|           |                          | 16QAM      | 0.031        | 14.91          | 4M47D7W             |
|           |                          | 64QAM      | 0.027        | 14.37          | 4M47D7W             |
|           |                          | 256QAM     | 0.018        | 12.64          | 4M47D7W             |
| 10 MHz    | 668 ~ 693                | BPSK       | 0.046        | 16.59          | 9M19G7D             |
|           |                          | QPSK       | 0.046        | 16.67          | 9M27G7D             |
|           |                          | 16QAM      | 0.031        | 14.94          | 9M28D7W             |
|           |                          | 64QAM      | 0.028        | 14.45          | 9M27D7W             |
|           |                          | 256QAM     | 0.018        | 12.64          | 9M29D7W             |
| 15 MHz    | 670.5 ~ 690.5            | BPSK       | 0.046        | 16.61          | 14M0G7D             |
|           |                          | QPSK       | 0.047        | 16.73          | 14M1G7D             |
|           |                          | 16QAM      | 0.031        | 14.96          | 14M1D7W             |
|           |                          | 64QAM      | 0.028        | 14.53          | 14M1D7W             |
|           |                          | 256QAM     | 0.019        | 12.74          | 14M1D7W             |
| 20 MHz    | 673 ~ 688                | BPSK       | 0.047        | 16.68          | 18M7G7D             |
|           |                          | QPSK       | 0.048        | 16.79          | 18M9G7D             |
|           |                          | 16QAM      | 0.032        | 15.04          | 18M9D7W             |
|           |                          | 64QAM      | 0.029        | 14.61          | 18M9D7W             |
|           |                          | 256QAM     | 0.019        | 12.76          | 18M9D7W             |

## NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz)

### SISO Mode (Ant. 4)

| Bandwidth | TX Frequency Range (MHz) | Modulation | Max. EIRP (W) | Max. EIRP (dBm) | Emission Designator |
|-----------|--------------------------|------------|---------------|-----------------|---------------------|
| 20 MHz    | 3710.01 ~ 3969.99        | BPSK       | 0.693         | 28.41           | 18M0G7D             |
|           |                          | QPSK       | 0.912         | 29.60           | 18M2G7D             |
|           |                          | 16QAM      | 0.350         | 25.44           | 18M2D7W             |
|           |                          | 64QAM      | 0.352         | 25.47           | 18M2D7W             |
|           |                          | 256QAM     | 0.265         | 24.24           | 18M2D7W             |
| 30 MHz    | 3715.02 ~ 3964.98        | BPSK       | 0.713         | 28.53           | 27M6G7D             |
|           |                          | QPSK       | 0.906         | 29.57           | 27M8G7D             |
|           |                          | 16QAM      | 0.346         | 25.39           | 27M8D7W             |
|           |                          | 64QAM      | 0.354         | 25.49           | 27M8D7W             |
|           |                          | 256QAM     | 0.269         | 24.30           | 27M8D7W             |
| 40 MHz    | 3720 ~ 3960              | BPSK       | 0.718         | 28.56           | 37M4G7D             |
|           |                          | QPSK       | 0.933         | 29.70           | 37M8G7D             |
|           |                          | 16QAM      | 0.357         | 25.53           | 37M8D7W             |
|           |                          | 64QAM      | 0.354         | 25.49           | 37M8D7W             |
|           |                          | 256QAM     | 0.274         | 24.37           | 37M7D7W             |
| 60 MHz    | 3730.02 ~ 3949.98        | BPSK       | 0.721         | 28.58           | 57M8G7D             |
|           |                          | QPSK       | 0.951         | 29.78           | 57M7G7D             |
|           |                          | 16QAM      | 0.349         | 25.43           | 57M7D7W             |
|           |                          | 64QAM      | 0.359         | 25.55           | 57M7D7W             |
|           |                          | 256QAM     | 0.273         | 24.36           | 57M7D7W             |
| 80 MHz    | 3740.01 ~ 3939.99        | BPSK       | 0.741         | 28.70           | 77M0G7D             |
|           |                          | QPSK       | 0.948         | 29.77           | 77M2G7D             |
|           |                          | 16QAM      | 0.359         | 25.55           | 77M3D7W             |
|           |                          | 64QAM      | 0.364         | 25.61           | 77M3D7W             |
|           |                          | 256QAM     | 0.270         | 24.32           | 77M5D7W             |
| 100 MHz   | 3750 ~ 3930              | BPSK       | 0.748         | 28.74           | 96M5G7D             |
|           |                          | QPSK       | 0.955         | 29.80           | 97M1G7D             |
|           |                          | 16QAM      | 0.366         | 25.63           | 97M2D7W             |
|           |                          | 64QAM      | 0.368         | 25.66           | 97M4D7W             |
|           |                          | 256QAM     | 0.280         | 24.47           | 97M2D7W             |

Note: The emission designator for QPSK, 16QAM, 64QAM, and 256QAM were based on the occupied bandwidth of the MIMO-Ant. 4 mode.

## MIMO Mode

| Bandwidth | TX Frequency Range (MHz) | Modulation | Max. EIRP (W) | Max. EIRP (dBm) | Emission Designator |
|-----------|--------------------------|------------|---------------|-----------------|---------------------|
| 20 MHz    | 3710.01 ~ 3969.99        | QPSK       | 0.877         | 29.43           | 18M2G7D             |
|           |                          | 16QAM      | 0.545         | 27.36           | 18M2D7W             |
|           |                          | 64QAM      | 0.488         | 26.88           | 18M2D7W             |
|           |                          | 256QAM     | 0.307         | 24.87           | 18M2D7W             |
| 30 MHz    | 3715.02 ~ 3964.98        | QPSK       | 0.871         | 29.4            | 27M8G7D             |
|           |                          | 16QAM      | 0.538         | 27.31           | 27M8D7W             |
|           |                          | 64QAM      | 0.486         | 26.87           | 27M8D7W             |
|           |                          | 256QAM     | 0.308         | 24.88           | 27M9D7W             |
| 40 MHz    | 3720 ~ 3960              | QPSK       | 0.877         | 29.43           | 37M8G7D             |
|           |                          | 16QAM      | 0.547         | 27.38           | 37M8D7W             |
|           |                          | 64QAM      | 0.486         | 26.87           | 37M8D7W             |
|           |                          | 256QAM     | 0.308         | 24.88           | 37M8D7W             |
| 60 MHz    | 3730.02 ~ 3949.98        | QPSK       | 0.891         | 29.5            | 57M7G7D             |
|           |                          | 16QAM      | 0.543         | 27.35           | 57M7D7W             |
|           |                          | 64QAM      | 0.489         | 26.89           | 57M7D7W             |
|           |                          | 256QAM     | 0.314         | 24.97           | 57M7D7W             |
| 80 MHz    | 3740.01 ~ 3939.99        | QPSK       | 0.904         | 29.56           | 77M2G7D             |
|           |                          | 16QAM      | 0.557         | 27.46           | 77M3D7W             |
|           |                          | 64QAM      | 0.499         | 26.98           | 77M4D7W             |
|           |                          | 256QAM     | 0.325         | 25.12           | 77M5D7W             |
| 100 MHz   | 3750 ~ 3930              | QPSK       | 0.914         | 29.61           | 97M1G7D             |
|           |                          | 16QAM      | 0.593         | 27.73           | 97M2D7W             |
|           |                          | 64QAM      | 0.527         | 27.22           | 97M4D7W             |
|           |                          | 256QAM     | 0.331         | 25.2            | 97M4D7W             |

## NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz)

### SISO Mode (Ant. 4)

| Bandwidth | TX Frequency Range (MHz) | Modulation | Max. EIRP (W) | Max. EIRP (dBm) | Emission Designator |
|-----------|--------------------------|------------|---------------|-----------------|---------------------|
| 20 MHz    | 3460.02 ~ 3540           | BPSK       | 0.716         | 28.55           | 18M0G7D             |
|           |                          | QPSK       | 0.75          | 28.75           | -                   |
|           |                          | 16QAM      | 0.366         | 25.64           | -                   |
|           |                          | 64QAM      | 0.356         | 25.52           | -                   |
|           |                          | 256QAM     | 0.273         | 24.36           | -                   |
| 30 MHz    | 3465 ~ 3534.99           | BPSK       | 0.728         | 28.62           | 27M6G7D             |
|           |                          | QPSK       | 0.745         | 28.72           | -                   |
|           |                          | 16QAM      | 0.361         | 25.57           | -                   |
|           |                          | 64QAM      | 0.355         | 25.50           | -                   |
|           |                          | 256QAM     | 0.272         | 24.34           | -                   |
| 40 MHz    | 3470.01 ~ 3529.98        | BPSK       | 0.733         | 28.65           | 37M5G7D             |
|           |                          | QPSK       | 0.753         | 28.77           | -                   |
|           |                          | 16QAM      | 0.368         | 25.66           | -                   |
|           |                          | 64QAM      | 0.359         | 25.55           | -                   |
|           |                          | 256QAM     | 0.279         | 24.45           | -                   |
| 50 MHz    | 3475.02 ~ 3525           | BPSK       | 0.740         | 28.69           | 47M0G7D             |
|           |                          | QPSK       | 0.766         | 28.84           | -                   |
|           |                          | 16QAM      | 0.371         | 25.69           | -                   |
|           |                          | 64QAM      | 0.361         | 25.58           | -                   |
|           |                          | 256QAM     | 0.281         | 24.49           | -                   |
| 60 MHz    | 3480 ~ 3519.99           | BPSK       | 0.729         | 28.63           | 57M7G7D             |
|           |                          | QPSK       | 0.780         | 28.92           | -                   |
|           |                          | 16QAM      | 0.367         | 25.65           | -                   |
|           |                          | 64QAM      | 0.366         | 25.64           | -                   |
|           |                          | 256QAM     | 0.279         | 24.46           | -                   |
| 70 MHz    | 3485.01 ~ 3514.98        | BPSK       | 0.723         | 28.59           | 66M8G7D             |
|           |                          | QPSK       | 0.759         | 28.80           | -                   |
|           |                          | 16QAM      | 0.366         | 25.63           | -                   |
|           |                          | 64QAM      | 0.366         | 25.63           | -                   |
|           |                          | 256QAM     | 0.277         | 24.42           | -                   |

| Bandwidth | TX Frequency Range (MHz) | Modulation | Max. EIRP (W) | Max. EIRP (dBm) | Emission Designator |
|-----------|--------------------------|------------|---------------|-----------------|---------------------|
| 80 MHz    | 3490.02 ~ 3510           | BPSK       | 0.740         | 28.69           | 76M9G7D             |
|           |                          | QPSK       | 0.773         | 28.88           | -                   |
|           |                          | 16QAM      | 0.371         | 25.69           | -                   |
|           |                          | 64QAM      | 0.359         | 25.55           | -                   |
|           |                          | 256QAM     | 0.281         | 24.48           | -                   |
| 90 MHz    | 3495 ~ 3504.99           | BPSK       | 0.752         | 28.76           | 86M7G7D             |
|           |                          | QPSK       | 0.780         | 28.92           | -                   |
|           |                          | 16QAM      | 0.373         | 25.72           | -                   |
|           |                          | 64QAM      | 0.366         | 25.64           | -                   |
|           |                          | 256QAM     | 0.282         | 24.50           | -                   |
| 100 MHz   | 3500.01                  | BPSK       | 0.759         | 28.80           | 95M9G7D             |
|           |                          | QPSK       | 0.785         | 28.95           | -                   |
|           |                          | 16QAM      | 0.376         | 25.75           | -                   |
|           |                          | 64QAM      | 0.372         | 25.71           | -                   |
|           |                          | 256QAM     | 0.283         | 24.52           | -                   |

## MIMO Mode

| Bandwidth | TX Frequency Range (MHz) | Modulation | Max. EIRP (W) | Max. EIRP (dBm) | Emission Designator |
|-----------|--------------------------|------------|---------------|-----------------|---------------------|
| 20 MHz    | 3460.02 ~ 3540           | QPSK       | 0.802         | 29.04           | 18M2G7D             |
|           |                          | 16QAM      | 0.495         | 26.95           | 18M2D7W             |
|           |                          | 64QAM      | 0.437         | 26.4            | 18M2D7W             |
|           |                          | 256QAM     | 0.29          | 24.62           | 18M2D7W             |
| 30 MHz    | 3465 ~ 3534.99           | QPSK       | 0.804         | 29.05           | 27M8G7D             |
|           |                          | 16QAM      | 0.502         | 27.01           | 27M8D7W             |
|           |                          | 64QAM      | 0.443         | 26.46           | 27M8D7W             |
|           |                          | 256QAM     | 0.29          | 24.62           | 27M8D7W             |
| 40 MHz    | 3470.01 ~ 3529.98        | QPSK       | 0.811         | 29.09           | 37M8G7D             |
|           |                          | 16QAM      | 0.506         | 27.04           | 37M8D7W             |
|           |                          | 64QAM      | 0.446         | 26.49           | 37M9D7W             |
|           |                          | 256QAM     | 0.293         | 24.67           | 37M8D7W             |
| 50 MHz    | 3475.02 ~ 3525           | QPSK       | 0.813         | 29.1            | 47M4G7D             |
|           |                          | 16QAM      | 0.511         | 27.08           | 47M5D7W             |
|           |                          | 64QAM      | 0.44          | 26.43           | 47M4D7W             |
|           |                          | 256QAM     | 0.291         | 24.64           | 47M4D7W             |
| 60 MHz    | 3480 ~ 3519.99           | QPSK       | 0.82          | 29.14           | 57M7G7D             |
|           |                          | 16QAM      | 0.516         | 27.13           | 57M7D7W             |
|           |                          | 64QAM      | 0.449         | 26.52           | 57M7D7W             |
|           |                          | 256QAM     | 0.292         | 24.65           | 57M7D7W             |
| 70 MHz    | 3485.01 ~ 3514.98        | QPSK       | 0.822         | 29.15           | 67M2G7D             |
|           |                          | 16QAM      | 0.521         | 27.17           | 67M3D7W             |
|           |                          | 64QAM      | 0.449         | 26.52           | 67M2D7W             |
|           |                          | 256QAM     | 0.294         | 24.68           | 67M3D7W             |
| 80 MHz    | 3490.02 ~ 3510           | QPSK       | 0.828         | 29.18           | 77M1G7D             |
|           |                          | 16QAM      | 0.518         | 27.14           | 77M3D7W             |
|           |                          | 64QAM      | 0.463         | 26.66           | 77M3D7W             |
|           |                          | 256QAM     | 0.297         | 24.73           | 77M4D7W             |
| 90 MHz    | 3495 ~ 3504.99           | QPSK       | 0.836         | 29.22           | 87M2G7D             |
|           |                          | 16QAM      | 0.521         | 27.17           | 87M2D7W             |
|           |                          | 64QAM      | 0.459         | 26.62           | 87M2D7W             |
|           |                          | 256QAM     | 0.299         | 24.75           | 87M1D7W             |
| 100 MHz   | 3500.01                  | QPSK       | 0.841         | 29.25           | 96M8G7D             |
|           |                          | 16QAM      | 0.541         | 27.33           | 97M1D7W             |
|           |                          | 64QAM      | 0.486         | 26.87           | 97M2D7W             |
|           |                          | 256QAM     | 0.309         | 24.9            | 97M2D7W             |

4. The EUT supports the following ENDC configuration.

|      | FCC 5G FR1              |        |                             | ENDC                             |
|------|-------------------------|--------|-----------------------------|----------------------------------|
|      | Band                    | SCS    | Bandwidth (MHz)             |                                  |
| 5GNR | n2                      | 15 kHz | 5/10/15/20                  | Band 4/5/12/13/14/30/48/66/71    |
|      | n5                      | 15 kHz | 5/10/15/20                  | Band 2/30/48/66                  |
|      | n7                      | 15 kHz | 5/10/15/20                  | Band 2/4/5/12/13/66              |
|      | n12                     | 15 kHz | 5/10/15                     | Band 2/30/48/66                  |
|      | n13                     | 15 kHz | 5/10                        | -                                |
|      | n14                     | 15 kHz | 5/10                        | Band 2/30/66                     |
|      | n25                     | 15 kHz | 5/10/15/20                  | Band 5/12/13/26/66/71            |
|      | n26 (814 MHz ~ 824 MHz) | 15 kHz | 5/10                        | -                                |
|      | n26 (824 MHz ~ 849 MHz) | 15 kHz | 5/10/15/20                  | -                                |
|      | n30                     | 15 kHz | 10                          | Band 2/5/12/14/66                |
|      | n38                     | 30 kHz | 20/30/40                    | Band 2/4/5/12/66/71              |
|      | n41                     | 30 kHz | 20/30/40/50/60/70/80/90/100 | Band 2/4/5/12/25/26/66/71        |
|      | n66                     | 15 kHz | 5/10/15/20                  | Band 2/5/12/13/14/30/48/71       |
|      | n70                     | 15 kHz | 15                          | -                                |
|      | n71                     | 15 kHz | 5/10/15/20                  | Band 2/48/66                     |
|      | n77                     | 30 kHz | 20/30/40/60/80/100          | Band 2/5/12/13/14/25/30/41/66/71 |
|      | n78                     | 30 kHz | 20/30/40/50/60/70/80/90/100 | Band 2/4/5/12/13/25/38/41/66/71  |

\* The EUT support SA mode and NSA mode, after verification, SA mode was the worst case and chosen for final test.

5. NR n78 (3.45 GHz ~ 3.55 GHz) overlaps the entire frequency range of NR n77 (3.45 GHz ~ 3.55 GHz), support Bandwidth 20/30/40/60/80/100 MHz. Therefore, test data provided in this report covers NR n78 (3.45 GHz ~ 3.55 GHz) as well as NR n77 (3.45 GHz ~ 3.55 GHz).
6. NR n77 (3.7 GHz ~ 3.98 GHz) overlaps the entire frequency range of NR n78 (3.7 GHz ~ 3.8 GHz), support Bandwidth 20/30/40/60/80/100 MHz. Therefore, test data provided in this report covers NR n77 (3.7 GHz ~ 3.98 GHz) as well as NR n78 (3.7 GHz ~ 3.8 GHz).
7. For detailed information about each WWAN bands frequency range, bandwidth mode of the product, please refer to section 3.3 of the report.
8. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

### 3.2 Antenna Description of EUT

1. The antenna information is listed as below.

| Antenna                      | Ant. 0             | Ant. 1        | Ant. 2    | Ant. 3    | Ant. 4                 | Ant. 7        |
|------------------------------|--------------------|---------------|-----------|-----------|------------------------|---------------|
| Antenna Type                 | PIFA               | Loop          | PIFA      | PIFA      | Loop                   | Loop          |
| Connector Type               | I-PEX(4)           | I-PEX(4)      | I-PEX(4)  | I-PEX(4)  | I-PEX(4)               | I-PEX(4)      |
| Brand                        | Bang-Tec           | Bang-Tec      | HONGBO    | HONGBO    | INPAQ                  | Bang-Tec      |
| Model                        | BDY1511C03V02      | BDY1511C03V02 | 290-40766 | 290-40766 | RFFPA181210EM<br>MBY02 | BDY1511C03V02 |
| Band                         | Antenna Gain (dBi) |               |           |           |                        |               |
| 5G NR n2                     | 2.48               | -             | -         | -         | -                      | -             |
| 5G NR n5                     | -1.85              | -             | -         | -         | -                      | -             |
| 5G NR n7                     | -                  | -             | -         | 3.74      | -                      | -             |
| 5G NR n12                    | -6.2               | -             | -         | -         | -                      | -             |
| 5G NR n13                    | -2.12              | -             | -         | -         | -                      | -             |
| 5G NR n14                    | -2.12              | -             | -         | -         | -                      | -             |
| 5G NR n25                    | 2.48               | -             | -         | -         | -                      | -             |
| 5G NR n26                    | -1.85              | -             | -         | -         | -                      | -             |
| 5G NR n30                    | -                  | -             | -         | 1.23      | -                      | -             |
| 5G NR n38                    | -                  | -             | -         | 3.97      | -                      | -             |
| 5G NR n41                    | -                  | 2.1           | -         | 4.02      | -                      | -             |
| 5G NR n66                    | 0.42               | -             | -         | -         | -                      | -             |
| 5G NR n70                    | -                  | -             | -2.54     | -         | -                      | -             |
| 5G NR n71                    | -6.2               | -             | -         | -         | -                      | -             |
| 5G NR n77<br>(3700~3980 MHz) | -                  | -             | -         | -         | 0.91                   | 1.53          |
| 5G NR n78<br>(3450~3550 MHz) | -                  | -             | -         | -         | 0.93                   | 1.5           |

\*The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

\*For SISO mode:

1. 5G NR n41 was fixed on Ant. 3
2. 5G NR n77/78 were fixed on Ant. 4

\*The MIMO mode was uncorrelated signal.

### 3.3 Test Mode Applicability and Tested Channel Detail

|             |                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pre-Scan:   | 1. EUT can be used in the following ways: X-axis / Y-axis / Z-axis. Pre-scan these ways and find the worst case as a representative test condition.<br>2. EUT can be used in the following ways: EUT only + Adapter 2 / EUT + Charging Cradle + Adapter 3 / EUT + Scan Handle + Charging Cradle + Adapter 1.<br>3. Pre-scan these ways and find the worst case as a representative test condition. |
| Worst Case: | 1. X-axis / Y-axis / Z-axis Worst Condition:<br>5G NR n2/7/25/30/38/41/66/70/77/78: Y-axis<br>5G NR n5/12/13/14/26/71: X-axis<br>2. EUT only + Adapter 2 / EUT + Charging Cradle + Adapter 3 / EUT + Scan Handle + Charging Cradle + Adapter 1<br>Worst Condition: EUT only + Adapter 2                                                                                                            |

#### 3.3.1 NR n2 SCS 15 kHz

| Test Item                  | Tested Channel                                                    | Channel Bandwidth | Modulation                           | Mode                       |
|----------------------------|-------------------------------------------------------------------|-------------------|--------------------------------------|----------------------------|
| EIRP                       | 370500(1852.50 MHz)<br>376000(1880.00 MHz)<br>381500(1907.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                            | 371000(1855.00 MHz)<br>376000(1880.00 MHz)<br>381000(1905.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                            | 371500(1857.50 MHz)<br>376000(1880.00 MHz)<br>380500(1902.50 MHz) | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                            | 372000(1860.00 MHz)<br>376000(1880.00 MHz)<br>380000(1900.00 MHz) | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
| Modulation Characteristics | 376000(1880.00 MHz)                                               | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
| Peak to Average Ratio      | 370500(1852.50 MHz)<br>376000(1880.00 MHz)<br>381500(1907.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB                       |
|                            | 371000(1855.00 MHz)<br>376000(1880.00 MHz)<br>381000(1905.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB                       |
|                            | 371500(1857.50 MHz)<br>376000(1880.00 MHz)<br>380500(1902.50 MHz) | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB                       |
|                            | 372000(1860.00 MHz)<br>376000(1880.00 MHz)<br>380000(1900.00 MHz) | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB                       |
| Occupied Bandwidth         | 370500(1852.50 MHz)<br>376000(1880.00 MHz)<br>381500(1907.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                            | 371000(1855.00 MHz)<br>376000(1880.00 MHz)<br>381000(1905.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                            | 371500(1857.50 MHz)<br>376000(1880.00 MHz)<br>380500(1902.50 MHz) | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                            | 372000(1860.00 MHz)<br>376000(1880.00 MHz)<br>380000(1900.00 MHz) | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |

| Test Item           | Tested Channel                                                    | Channel Bandwidth | Modulation | Mode            |
|---------------------|-------------------------------------------------------------------|-------------------|------------|-----------------|
| Conducted Emission  | 370500(1852.50 MHz)<br>376000(1880.00 MHz)<br>381500(1907.50 MHz) | 5 MHz             | QPSK       | 1 RB<br>Full RB |
|                     | 371000(1855.00 MHz)<br>376000(1880.00 MHz)<br>381000(1905.00 MHz) | 10 MHz            | QPSK       | 1 RB<br>Full RB |
|                     | 371500(1857.50 MHz)<br>376000(1880.00 MHz)<br>380500(1902.50 MHz) | 15 MHz            | QPSK       | 1 RB<br>Full RB |
|                     | 372000(1860.00 MHz)<br>376000(1880.00 MHz)<br>380000(1900.00 MHz) | 20 MHz            | QPSK       | 1 RB<br>Full RB |
| RE Below 1GHz       | 376000(1880.00 MHz)                                               | 20 MHz            | QPSK       | 1 RB            |
| RE Above 1GHz       | 370500(1852.50 MHz)<br>376000(1880.00 MHz)<br>381500(1907.50 MHz) | 5 MHz             | QPSK       | 1 RB            |
|                     | 372000(1860.00 MHz)<br>376000(1880.00 MHz)<br>380000(1900.00 MHz) | 20 MHz            | QPSK       | 1 RB            |
| Frequency Stability | 372000(1860.00 MHz)<br>380000(1900.00 MHz)                        | 20 MHz            | QPSK       | Full RB         |

### 3.3.2 NR n5 SCS 15 kHz

| Test Item             | Tested Channel                                                 | Channel Bandwidth | Modulation                           | Mode                       |
|-----------------------|----------------------------------------------------------------|-------------------|--------------------------------------|----------------------------|
| ERP                   | 165300(826.50 MHz)<br>167300(836.50 MHz)<br>169300(846.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                       | 165800(829.00 MHz)<br>167300(836.50 MHz)<br>168800(844.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                       | 166300(831.50 MHz)<br>167300(836.50 MHz)<br>168300(841.50 MHz) | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                       | 166800(834.00 MHz)<br>167300(836.50 MHz)<br>167800(839.00 MHz) | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                       | 167300(836.50 MHz)                                             | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 165300(826.50 MHz)<br>167300(836.50 MHz)<br>169300(846.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB                       |
|                       | 165800(829.00 MHz)<br>167300(836.50 MHz)<br>168800(844.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB                       |
|                       | 166300(831.50 MHz)<br>167300(836.50 MHz)<br>168300(841.50 MHz) | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB                       |
| Peak to Average Ratio | 166800(834.00 MHz)<br>167300(836.50 MHz)<br>167800(839.00 MHz) | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB                       |
|                       | 165300(826.50 MHz)<br>167300(836.50 MHz)<br>169300(846.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 165800(829.00 MHz)<br>167300(836.50 MHz)<br>168800(844.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 166300(831.50 MHz)<br>167300(836.50 MHz)<br>168300(841.50 MHz) | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 166800(834.00 MHz)<br>167300(836.50 MHz)<br>167800(839.00 MHz) | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 165300(826.50 MHz)<br>167300(836.50 MHz)<br>169300(846.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 165800(829.00 MHz)<br>167300(836.50 MHz)<br>168800(844.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 166300(831.50 MHz)<br>167300(836.50 MHz)<br>168300(841.50 MHz) | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
| Occupied Bandwidth    | 166800(834.00 MHz)<br>167300(836.50 MHz)<br>167800(839.00 MHz) | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 165300(826.50 MHz)<br>167300(836.50 MHz)<br>169300(846.50 MHz) | 5 MHz             | QPSK                                 | 1 RB<br>Full RB            |
|                       | 165800(829.00 MHz)<br>167300(836.50 MHz)<br>168800(844.00 MHz) | 10 MHz            | QPSK                                 | 1 RB<br>Full RB            |
|                       | 166300(831.50 MHz)<br>167300(836.50 MHz)<br>168300(841.50 MHz) | 15 MHz            | QPSK                                 | 1 RB<br>Full RB            |
|                       | 166800(834.00 MHz)<br>167300(836.50 MHz)<br>167800(839.00 MHz) | 20 MHz            | QPSK                                 | 1 RB<br>Full RB            |
|                       | 165300(826.50 MHz)<br>167300(836.50 MHz)<br>169300(846.50 MHz) | 5 MHz             | QPSK                                 | 1 RB<br>Full RB            |
|                       | 165800(829.00 MHz)<br>167300(836.50 MHz)<br>168800(844.00 MHz) | 10 MHz            | QPSK                                 | 1 RB<br>Full RB            |
|                       | 166300(831.50 MHz)<br>167300(836.50 MHz)<br>168300(841.50 MHz) | 15 MHz            | QPSK                                 | 1 RB<br>Full RB            |
| Conducted Emission    | 166800(834.00 MHz)<br>167300(836.50 MHz)<br>167800(839.00 MHz) | 20 MHz            | QPSK                                 | 1 RB<br>Full RB            |

| Test Item           | Tested Channel     | Channel Bandwidth | Modulation | Mode    |
|---------------------|--------------------|-------------------|------------|---------|
| RE Below 1GHz       | 167300(836.50 MHz) | 20 MHz            | QPSK       | 1 RB    |
| RE Above 1GHz       | 165300(826.50 MHz) | 5 MHz             | QPSK       | 1 RB    |
|                     | 167300(836.50 MHz) |                   |            |         |
|                     | 169300(846.50 MHz) |                   |            |         |
|                     | 166800(834.00 MHz) | 20 MHz            | QPSK       | 1 RB    |
|                     | 167300(836.50 MHz) |                   |            |         |
|                     | 167800(839.00 MHz) |                   |            |         |
| Frequency Stability | 166800(834.00 MHz) | 20 MHz            | QPSK       | Full RB |
|                     | 167800(839.00 MHz) |                   |            |         |

### 3.3.3 NR n7 SCS 15 kHz

| Test Item          | Tested Channel                                                    | Channel Bandwidth | Modulation                           | Mode                       |
|--------------------|-------------------------------------------------------------------|-------------------|--------------------------------------|----------------------------|
| EIRP               | 500500(2502.50 MHz)<br>507000(2535.00 MHz)<br>513500(2567.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                    | 501000(2505.00 MHz)<br>507000(2535.00 MHz)<br>513000(2565.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                    | 501500(2507.50 MHz)<br>507000(2535.00 MHz)<br>512500(2562.50 MHz) | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                    | 502000(2510.00 MHz)<br>507000(2535.00 MHz)<br>512000(2560.00 MHz) | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                    | 507000(2535.00 MHz)                                               | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                    | 500500(2502.50 MHz)<br>507000(2535.00 MHz)<br>513500(2567.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB                       |
|                    | 501000(2505.00 MHz)<br>507000(2535.00 MHz)<br>513000(2565.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB                       |
|                    | 501500(2507.50 MHz)<br>507000(2535.00 MHz)<br>512500(2562.50 MHz) | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB                       |
| Occupied Bandwidth | 500500(2502.50 MHz)<br>507000(2535.00 MHz)<br>513500(2567.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                    | 501000(2505.00 MHz)<br>507000(2535.00 MHz)<br>513000(2565.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                    | 501500(2507.50 MHz)<br>507000(2535.00 MHz)<br>512500(2562.50 MHz) | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                    | 502000(2510.00 MHz)<br>507000(2535.00 MHz)<br>512000(2560.00 MHz) | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                    | 500500(2502.50 MHz)<br>507000(2535.00 MHz)<br>513500(2567.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                    | 501000(2505.00 MHz)<br>507000(2535.00 MHz)<br>513000(2565.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                    | 501500(2507.50 MHz)<br>507000(2535.00 MHz)<br>512500(2562.50 MHz) | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                    | 502000(2510.00 MHz)<br>507000(2535.00 MHz)<br>512000(2560.00 MHz) | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
| Conducted Emission | 500500(2502.50 MHz)<br>507000(2535.00 MHz)<br>513500(2567.50 MHz) | 5 MHz             | QPSK                                 | 1 RB<br>Full RB            |
|                    | 501000(2505.00 MHz)<br>507000(2535.00 MHz)<br>513000(2565.00 MHz) | 10 MHz            | QPSK                                 | 1 RB<br>Full RB            |
|                    | 501500(2507.50 MHz)<br>507000(2535.00 MHz)<br>512500(2562.50 MHz) | 15 MHz            | QPSK                                 | 1 RB<br>Full RB            |
|                    | 502000(2510.00 MHz)<br>507000(2535.00 MHz)<br>512000(2560.00 MHz) | 20 MHz            | QPSK                                 | 1 RB<br>Full RB            |
|                    | 500500(2502.50 MHz)<br>507000(2535.00 MHz)<br>513500(2567.50 MHz) | 5 MHz             | QPSK                                 | 1 RB<br>Full RB            |
|                    | 501000(2505.00 MHz)<br>507000(2535.00 MHz)<br>513000(2565.00 MHz) | 10 MHz            | QPSK                                 | 1 RB<br>Full RB            |
|                    | 501500(2507.50 MHz)<br>507000(2535.00 MHz)<br>512500(2562.50 MHz) | 15 MHz            | QPSK                                 | 1 RB<br>Full RB            |
|                    | 502000(2510.00 MHz)<br>507000(2535.00 MHz)<br>512000(2560.00 MHz) | 20 MHz            | QPSK                                 | 1 RB<br>Full RB            |

| Test Item           | Tested Channel      | Channel Bandwidth | Modulation | Mode    |
|---------------------|---------------------|-------------------|------------|---------|
| RE Below 1GHz       | 513500(2567.50 MHz) | 5 MHz             | QPSK       | 1 RB    |
| RE Above 1GHz       | 500500(2502.50 MHz) | 5 MHz             | QPSK       | 1 RB    |
|                     | 507000(2535.00 MHz) |                   |            |         |
|                     | 513500(2567.50 MHz) |                   |            |         |
|                     | 502000(2510.00 MHz) | 20 MHz            | QPSK       | 1 RB    |
|                     | 507000(2535.00 MHz) |                   |            |         |
|                     | 512000(2560.00 MHz) |                   |            |         |
| Frequency Stability | 502000(2510.00 MHz) | 20 MHz            | QPSK       | Full RB |
|                     | 512000(2560.00 MHz) |                   |            |         |

### 3.3.4 NR n12 SCS 15 kHz

| Test Item             | Tested Channel                                                 | Channel Bandwidth | Modulation                           | Mode                       |
|-----------------------|----------------------------------------------------------------|-------------------|--------------------------------------|----------------------------|
| ERP                   | 140300(701.50 MHz)<br>141500(707.50 MHz)<br>142700(713.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                       | 140800(704.00 MHz)<br>141500(707.50 MHz)<br>142200(711.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                       | 141300(706.50 MHz)<br>141500(707.50 MHz)<br>141700(708.50 MHz) | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                       | 141500(707.50 MHz)                                             | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 140300(701.50 MHz)<br>141500(707.50 MHz)<br>142700(713.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB                       |
|                       | 140800(704.00 MHz)<br>141500(707.50 MHz)<br>142200(711.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB                       |
| Peak to Average Ratio | 141300(706.50 MHz)<br>141500(707.50 MHz)<br>141700(708.50 MHz) | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB                       |
|                       | 140300(701.50 MHz)<br>141500(707.50 MHz)<br>142700(713.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 140800(704.00 MHz)<br>141500(707.50 MHz)<br>142200(711.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 141300(706.50 MHz)<br>141500(707.50 MHz)<br>141700(708.50 MHz) | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 140300(701.50 MHz)<br>141500(707.50 MHz)<br>142700(713.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 140800(704.00 MHz)<br>141500(707.50 MHz)<br>142200(711.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
| Occupied Bandwidth    | 141300(706.50 MHz)<br>141500(707.50 MHz)<br>141700(708.50 MHz) | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 140300(701.50 MHz)<br>141500(707.50 MHz)<br>142700(713.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 140800(704.00 MHz)<br>141500(707.50 MHz)<br>142200(711.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 141300(706.50 MHz)<br>141500(707.50 MHz)<br>141700(708.50 MHz) | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 140300(701.50 MHz)<br>141500(707.50 MHz)<br>142700(713.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 140800(704.00 MHz)<br>141500(707.50 MHz)<br>142200(711.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
| Conducted Emission    | 141300(706.50 MHz)<br>141500(707.50 MHz)<br>141700(708.50 MHz) | 15 MHz            | QPSK                                 | 1 RB<br>Full RB            |
|                       | 140300(701.50 MHz)<br>141500(707.50 MHz)<br>142700(713.50 MHz) | 5 MHz             | QPSK                                 | 1 RB<br>Full RB            |
|                       | 140800(704.00 MHz)<br>141500(707.50 MHz)<br>142200(711.00 MHz) | 10 MHz            | QPSK                                 | 1 RB<br>Full RB            |
|                       | 141300(706.50 MHz)<br>141500(707.50 MHz)<br>141700(708.50 MHz) | 15 MHz            | QPSK                                 | 1 RB<br>Full RB            |
|                       | 140300(701.50 MHz)<br>141500(707.50 MHz)<br>142700(713.50 MHz) | 5 MHz             | QPSK                                 | 1 RB<br>Full RB            |
|                       | 140800(704.00 MHz)<br>141500(707.50 MHz)<br>142200(711.00 MHz) | 10 MHz            | QPSK                                 | 1 RB<br>Full RB            |
| RE Below 1GHz         | 141500(707.50 MHz)                                             | 15 MHz            | QPSK                                 | 1 RB                       |
| RE Above 1GHz         | 140300(701.50 MHz)<br>141500(707.50 MHz)<br>142700(713.50 MHz) | 5 MHz             | QPSK                                 | 1 RB                       |
|                       | 141300(706.50 MHz)<br>141500(707.50 MHz)<br>141700(708.50 MHz) | 15 MHz            | QPSK                                 | 1 RB                       |
|                       | 140300(701.50 MHz)<br>141500(707.50 MHz)<br>142700(713.50 MHz) | 5 MHz             | QPSK                                 | 1 RB                       |
|                       | 140800(704.00 MHz)<br>141500(707.50 MHz)<br>142200(711.00 MHz) | 10 MHz            | QPSK                                 | 1 RB                       |
|                       | 141300(706.50 MHz)<br>141500(707.50 MHz)<br>141700(708.50 MHz) | 15 MHz            | QPSK                                 | 1 RB                       |
|                       | 140300(701.50 MHz)<br>141500(707.50 MHz)<br>142700(713.50 MHz) | 5 MHz             | QPSK                                 | 1 RB                       |
| Frequency Stability   | 141300(706.50 MHz)<br>141700(708.50 MHz)                       | 15 MHz            | QPSK                                 | Full RB                    |

### 3.3.5 NR n13 SCS 15 kHz

| Test Item                  | Tested Channel                                                 | Channel Bandwidth | Modulation                           | Mode                       |
|----------------------------|----------------------------------------------------------------|-------------------|--------------------------------------|----------------------------|
| ERP                        | 155900(779.50 MHz)<br>156400(782.00 MHz)<br>156900(784.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                            | 156400(782.00 MHz)                                             | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
| Modulation Characteristics | 156400(782.00 MHz)                                             | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
| Peak to Average Ratio      | 155900(779.50 MHz)<br>156400(782.00 MHz)<br>156900(784.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB                       |
|                            | 156400(782.00 MHz)                                             | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB                       |
| Occupied Bandwidth         | 155900(779.50 MHz)<br>156400(782.00 MHz)<br>156900(784.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                            | 156400(782.00 MHz)                                             | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
| Conducted Emission         | 155900(779.50 MHz)<br>156400(782.00 MHz)<br>156900(784.50 MHz) | 5 MHz             | QPSK                                 | 1 RB<br>Full RB            |
|                            | 156400(782.00 MHz)                                             | 10 MHz            | QPSK                                 | 1 RB<br>Full RB            |
| RE Below 1GHz              | 156400(782.00 MHz)                                             | 5 MHz             | QPSK                                 | 1 RB                       |
| RE Above 1GHz              | 155900(779.50 MHz)<br>156400(782.00 MHz)<br>156900(784.50 MHz) | 5 MHz             | QPSK                                 | 1 RB                       |
|                            | 156400(782.00 MHz)                                             | 10 MHz            | QPSK                                 | 1 RB                       |
| Frequency Stability        | 156400(782.00 MHz)                                             | 10 MHz            | QPSK                                 | Full RB                    |

### 3.3.6 NR n14 SCS 15 kHz

| Test Item                  | Tested Channel                                                 | Channel Bandwidth | Modulation                           | Mode                       |
|----------------------------|----------------------------------------------------------------|-------------------|--------------------------------------|----------------------------|
| ERP                        | 158100(790.50 MHz)<br>158600(793.00 MHz)<br>159100(795.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                            | 158600(793.00 MHz)                                             | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
| Modulation Characteristics | 158600(793.00 MHz)                                             | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
| Peak to Average Ratio      | -                                                              | -                 | -                                    | -                          |
| Occupied Bandwidth         | 158100(790.50 MHz)<br>158600(793.00 MHz)<br>159100(795.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                            | 158600(793.00 MHz)                                             | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
| Conducted Emission         | 158100(790.50 MHz)<br>158600(793.00 MHz)<br>159100(795.50 MHz) | 5 MHz             | QPSK                                 | 1 RB                       |
|                            | 158600(793.00 MHz)                                             | 10 MHz            | QPSK                                 | 1 RB                       |
| RE Below 1GHz              | 158600(793.00 MHz)                                             | 10 MHz            | QPSK                                 | 1 RB                       |
| RE Above 1GHz              | 158100(790.50 MHz)<br>158600(793.00 MHz)<br>159100(795.50 MHz) | 5 MHz             | QPSK                                 | 1 RB                       |
|                            | 158600(793.00 MHz)                                             | 10 MHz            | QPSK                                 | 1 RB                       |
| Frequency Stability        | 158600(793.00 MHz)                                             | 10 MHz            | QPSK                                 | Full RB                    |

## 3.3.7 NR n25 SCS 15 kHz

| Test Item             | Tested Channel                                                    | Channel Bandwidth | Modulation                           | Mode                       |
|-----------------------|-------------------------------------------------------------------|-------------------|--------------------------------------|----------------------------|
| EIRP                  | 370500(1852.50 MHz)<br>376500(1882.50 MHz)<br>382500(1912.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                       | 371000(1855.00 MHz)<br>376500(1882.50 MHz)<br>382000(1910.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                       | 371500(1857.50 MHz)<br>376500(1882.50 MHz)<br>381500(1907.50 MHz) | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                       | 372000(1860.00 MHz)<br>376500(1882.50 MHz)<br>381000(1905.00 MHz) | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                       | 376500(1882.50 MHz)                                               | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 370500(1852.50 MHz)<br>376500(1882.50 MHz)<br>382500(1912.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB                       |
|                       | 371000(1855.00 MHz)<br>376500(1882.50 MHz)<br>382000(1910.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB                       |
|                       | 371500(1857.50 MHz)<br>376500(1882.50 MHz)<br>381500(1907.50 MHz) | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB                       |
| Peak to Average Ratio | 372000(1860.00 MHz)<br>376500(1882.50 MHz)<br>381000(1905.00 MHz) | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB                       |
|                       | 370500(1852.50 MHz)<br>376500(1882.50 MHz)<br>382500(1912.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 371000(1855.00 MHz)<br>376500(1882.50 MHz)<br>382000(1910.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 371500(1857.50 MHz)<br>376500(1882.50 MHz)<br>381500(1907.50 MHz) | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 372000(1860.00 MHz)<br>376500(1882.50 MHz)<br>381000(1905.00 MHz) | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 370500(1852.50 MHz)<br>376500(1882.50 MHz)<br>382500(1912.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 371000(1855.00 MHz)<br>376500(1882.50 MHz)<br>382000(1910.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 371500(1857.50 MHz)<br>376500(1882.50 MHz)<br>381500(1907.50 MHz) | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
| Occupied Bandwidth    | 372000(1860.00 MHz)<br>376500(1882.50 MHz)<br>381000(1905.00 MHz) | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 370500(1852.50 MHz)<br>376500(1882.50 MHz)<br>382500(1912.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 371000(1855.00 MHz)<br>376500(1882.50 MHz)<br>382000(1910.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 371500(1857.50 MHz)<br>376500(1882.50 MHz)<br>381500(1907.50 MHz) | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 372000(1860.00 MHz)<br>376500(1882.50 MHz)<br>381000(1905.00 MHz) | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 370500(1852.50 MHz)<br>376500(1882.50 MHz)<br>382500(1912.50 MHz) | 5 MHz             | QPSK                                 | 1 RB<br>Full RB            |
|                       | 371000(1855.00 MHz)<br>376500(1882.50 MHz)<br>382000(1910.00 MHz) | 10 MHz            | QPSK                                 | 1 RB<br>Full RB            |
|                       | 371500(1857.50 MHz)<br>376500(1882.50 MHz)<br>381500(1907.50 MHz) | 15 MHz            | QPSK                                 | 1 RB<br>Full RB            |
| Conducted Emission    | 372000(1860.00 MHz)<br>376500(1882.50 MHz)<br>381000(1905.00 MHz) | 20 MHz            | QPSK                                 | 1 RB<br>Full RB            |

| Test Item           | Tested Channel      | Channel Bandwidth | Modulation | Mode |
|---------------------|---------------------|-------------------|------------|------|
| RE Below 1GHz       | 381000(1905.00 MHz) | 20 MHz            | QPSK       | 1 RB |
| RE Above 1GHz       | 370500(1852.50 MHz) | 5 MHz             | QPSK       | 1 RB |
|                     | 376500(1882.50 MHz) |                   |            |      |
|                     | 382500(1912.50 MHz) | 20 MHz            | QPSK       | 1 RB |
|                     | 372000(1860.00 MHz) |                   |            |      |
| Frequency Stability | 376500(1882.50 MHz) |                   |            |      |
|                     | 381000(1905.00 MHz) |                   |            |      |

### 3.3.8 NR n26 SCS 15 kHz (814 MHz ~ 824 MHz)

| Test Item                  | Tested Channel                                                 | Channel Bandwidth | Modulation                           | Mode                       |
|----------------------------|----------------------------------------------------------------|-------------------|--------------------------------------|----------------------------|
| ERP                        | 163300(816.50 MHz)<br>163800(819.00 MHz)<br>164300(821.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                            | 163800(819.00 MHz)                                             | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
| Modulation Characteristics | 163800(819.00 MHz)                                             | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
| Peak to Average Ratio      | -                                                              | -                 | -                                    | -                          |
| Occupied Bandwidth         | 163300(816.50 MHz)<br>163800(819.00 MHz)<br>164300(821.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                            | 163800(819.00 MHz)                                             | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
| Conducted Emission         | 163300(816.50 MHz)<br>163800(819.00 MHz)<br>164300(821.50 MHz) | 5 MHz             | QPSK                                 | 1 RB<br>Full RB            |
|                            | 163800(819.00 MHz)                                             | 10 MHz            | QPSK                                 | 1 RB<br>Full RB            |
| RE Below 1GHz              | 163800(819.00 MHz)                                             | 10 MHz            | QPSK                                 | 1 RB                       |
| RE Above 1GHz              | 163300(816.50 MHz)<br>163800(819.00 MHz)<br>164300(821.50 MHz) | 5 MHz             | QPSK                                 | 1 RB                       |
|                            | 163800(819.00 MHz)                                             | 10 MHz            | QPSK                                 | 1 RB                       |
| Frequency Stability        | 163800(819.00 MHz)                                             | 10 MHz            | QPSK                                 | Full RB                    |

### 3.3.9 NR n26 SCS 15 kHz (824 MHz ~ 849 MHz)

| Test Item             | Tested Channel                                                 | Channel Bandwidth | Modulation                           | Mode                       |
|-----------------------|----------------------------------------------------------------|-------------------|--------------------------------------|----------------------------|
| ERP                   | 165300(826.50 MHz)<br>167300(836.50 MHz)<br>169300(846.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                       | 165800(829.00 MHz)<br>167300(836.50 MHz)<br>168800(844.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                       | 166300(831.50 MHz)<br>167300(836.50 MHz)<br>168300(841.50 MHz) | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                       | 166800(834.00 MHz)<br>167300(836.50 MHz)<br>167800(839.00 MHz) | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                       | 167300(836.50 MHz)                                             | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 165300(826.50 MHz)<br>167300(836.50 MHz)<br>169300(846.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB                       |
|                       | 165800(829.00 MHz)<br>167300(836.50 MHz)<br>168800(844.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB                       |
|                       | 166300(831.50 MHz)<br>167300(836.50 MHz)<br>168300(841.50 MHz) | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB                       |
| Peak to Average Ratio | 166800(834.00 MHz)<br>167300(836.50 MHz)<br>167800(839.00 MHz) | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB                       |
|                       | 165300(826.50 MHz)<br>167300(836.50 MHz)<br>169300(846.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 165800(829.00 MHz)<br>167300(836.50 MHz)<br>168800(844.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 166300(831.50 MHz)<br>167300(836.50 MHz)<br>168300(841.50 MHz) | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 166800(834.00 MHz)<br>167300(836.50 MHz)<br>167800(839.00 MHz) | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 165300(826.50 MHz)<br>167300(836.50 MHz)<br>169300(846.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 165800(829.00 MHz)<br>167300(836.50 MHz)<br>168800(844.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 166300(831.50 MHz)<br>167300(836.50 MHz)<br>168300(841.50 MHz) | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
| Occupied Bandwidth    | 166800(834.00 MHz)<br>167300(836.50 MHz)<br>167800(839.00 MHz) | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 165300(826.50 MHz)<br>167300(836.50 MHz)<br>169300(846.50 MHz) | 5 MHz             | QPSK                                 | 1 RB<br>Full RB            |
|                       | 165800(829.00 MHz)<br>167300(836.50 MHz)<br>168800(844.00 MHz) | 10 MHz            | QPSK                                 | 1 RB<br>Full RB            |
|                       | 166300(831.50 MHz)<br>167300(836.50 MHz)<br>168300(841.50 MHz) | 15 MHz            | QPSK                                 | 1 RB<br>Full RB            |
|                       | 166800(834.00 MHz)<br>167300(836.50 MHz)<br>167800(839.00 MHz) | 20 MHz            | QPSK                                 | 1 RB<br>Full RB            |
|                       | 165300(826.50 MHz)<br>167300(836.50 MHz)<br>169300(846.50 MHz) | 5 MHz             | QPSK                                 | 1 RB<br>Full RB            |
|                       | 165800(829.00 MHz)<br>167300(836.50 MHz)<br>168800(844.00 MHz) | 10 MHz            | QPSK                                 | 1 RB<br>Full RB            |
|                       | 166300(831.50 MHz)<br>167300(836.50 MHz)<br>168300(841.50 MHz) | 15 MHz            | QPSK                                 | 1 RB<br>Full RB            |
| Conducted Emission    | 166800(834.00 MHz)<br>167300(836.50 MHz)<br>167800(839.00 MHz) | 20 MHz            | QPSK                                 | 1 RB<br>Full RB            |

| Test Item           | Tested Channel     | Channel Bandwidth | Modulation | Mode    |
|---------------------|--------------------|-------------------|------------|---------|
| RE Below 1GHz       | 167300(836.50 MHz) | 20 MHz            | QPSK       | 1 RB    |
| RE Above 1GHz       | 165300(826.50 MHz) | 5 MHz             | QPSK       | 1 RB    |
|                     | 167300(836.50 MHz) |                   |            |         |
|                     | 169300(846.50 MHz) |                   |            |         |
|                     | 166800(834.00 MHz) | 20 MHz            | QPSK       | 1 RB    |
|                     | 167300(836.50 MHz) |                   |            |         |
|                     | 167800(839.00 MHz) |                   |            |         |
| Frequency Stability | 166800(834.00 MHz) | 20 MHz            | QPSK       | Full RB |
|                     | 167800(839.00 MHz) |                   |            |         |

### 3.3.10 NR n30 SCS 15 kHz

| Test Item                  | Tested Channel      | Channel Bandwidth | Modulation                           | Mode                       |
|----------------------------|---------------------|-------------------|--------------------------------------|----------------------------|
| EIRP                       | 462000(2310.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
| Modulation Characteristics | 462000(2310.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
| Peak to Average Ratio      | 462000(2310.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB                       |
| Occupied Bandwidth         | 462000(2310.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
| Conducted Emission         | 462000(2310.00 MHz) | 10 MHz            | QPSK                                 | 1 RB<br>Full RB            |
| RE Below 1GHz              | 462000(2310.00 MHz) | 10 MHz            | QPSK                                 | 1 RB                       |
| RE Above 1GHz              | 462000(2310.00 MHz) | 10 MHz            | QPSK                                 | 1 RB                       |
| Frequency Stability        | 462000(2310.00 MHz) | 10 MHz            | QPSK                                 | Full RB                    |

### 3.3.11 NR n38 SCS 30 kHz

| Test Item                  | Tested Channel      | Channel Bandwidth | Modulation                           | Mode    |
|----------------------------|---------------------|-------------------|--------------------------------------|---------|
| EIRP                       | 516000(2580.00 MHz) | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB    |
|                            | 519000(2595.00 MHz) |                   |                                      | Half RB |
|                            | 522000(2610.00 MHz) |                   |                                      | Full RB |
|                            | 517000(2585.00 MHz) | 30 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB    |
|                            | 519000(2595.00 MHz) |                   |                                      | Half RB |
|                            | 521000(2605.00 MHz) |                   |                                      | Full RB |
|                            | 518000(2590.00 MHz) | 40 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB    |
|                            | 519000(2595.00 MHz) |                   |                                      | Half RB |
|                            | 520000(2600.00 MHz) |                   |                                      | Full RB |
| Modulation Characteristics | 519000(2595.00 MHz) | 40 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB |
| Peak to Average Ratio      | 516000(2580.00 MHz) | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB    |
|                            | 519000(2595.00 MHz) |                   |                                      |         |
|                            | 522000(2610.00 MHz) |                   |                                      |         |
|                            | 517000(2585.00 MHz) | 30 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB    |
|                            | 519000(2595.00 MHz) |                   |                                      |         |
|                            | 521000(2605.00 MHz) |                   |                                      |         |
|                            | 518000(2590.00 MHz) | 40 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB    |
|                            | 519000(2595.00 MHz) |                   |                                      |         |
|                            | 520000(2600.00 MHz) |                   |                                      |         |
| Occupied Bandwidth         | 516000(2580.00 MHz) | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB |
|                            | 519000(2595.00 MHz) |                   |                                      |         |
|                            | 522000(2610.00 MHz) |                   |                                      |         |
|                            | 517000(2585.00 MHz) | 30 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB |
|                            | 519000(2595.00 MHz) |                   |                                      |         |
|                            | 521000(2605.00 MHz) |                   |                                      |         |
|                            | 518000(2590.00 MHz) | 40 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB |
|                            | 519000(2595.00 MHz) |                   |                                      |         |
|                            | 520000(2600.00 MHz) |                   |                                      |         |
| Conducted Emission         | 516000(2580.00 MHz) | 20 MHz            | QPSK                                 | 1 RB    |
|                            | 519000(2595.00 MHz) |                   |                                      | Full RB |
|                            | 522000(2610.00 MHz) |                   |                                      |         |
|                            | 517000(2585.00 MHz) | 30 MHz            | QPSK                                 | 1 RB    |
|                            | 519000(2595.00 MHz) |                   |                                      | Full RB |
|                            | 521000(2605.00 MHz) |                   |                                      |         |
|                            | 518000(2590.00 MHz) | 40 MHz            | QPSK                                 | 1 RB    |
|                            | 519000(2595.00 MHz) |                   |                                      | Full RB |
|                            | 520000(2600.00 MHz) |                   |                                      |         |
| RE Below 1GHz              | 516000(2580.00 MHz) | 20 MHz            | QPSK                                 | 1 RB    |
| RE Above 1GHz              | 516000(2580.00 MHz) | 20 MHz            | QPSK                                 | 1 RB    |
|                            | 519000(2595.00 MHz) |                   |                                      |         |
|                            | 522000(2610.00 MHz) |                   |                                      |         |
|                            | 518000(2590.00 MHz) | 40 MHz            | QPSK                                 | 1 RB    |
|                            | 519000(2595.00 MHz) |                   |                                      |         |
| Frequency Stability        | 518000(2590.00 MHz) | 40 MHz            | QPSK                                 | Full RB |
|                            | 520000(2600.00 MHz) |                   |                                      |         |

### 3.3.12 NR n41 SCS 30 kHz

| Test Item                  | Tx/Rx condition | Tested Channel                                                    | Channel Bandwidth | Modulation                           | Mode                       |
|----------------------------|-----------------|-------------------------------------------------------------------|-------------------|--------------------------------------|----------------------------|
| EIRP                       | 1Tx             | 501204(2506.02 MHz)<br>518598(2592.99 MHz)<br>535998(2679.99 MHz) | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                            |                 | 502200(2511.00 MHz)<br>518598(2592.99 MHz)<br>534996(2674.98 MHz) | 30 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                            |                 | 503202(2516.01 MHz)<br>518598(2592.99 MHz)<br>534000(2670.00 MHz) | 40 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                            |                 | 504204(2521.02 MHz)<br>518598(2592.99 MHz)<br>532998(2664.99 MHz) | 50 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                            |                 | 505200(2526.00 MHz)<br>518598(2592.99 MHz)<br>531996(2659.98 MHz) | 60 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                            |                 | 506202(2531.01 MHz)<br>518598(2592.99 MHz)<br>531000(2655.00 MHz) | 70 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                            |                 | 507204(2536.02 MHz)<br>518598(2592.99 MHz)<br>529998(2649.99 MHz) | 80 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                            |                 | 508200(2541.00 MHz)<br>518598(2592.99 MHz)<br>528996(2644.98 MHz) | 90 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                            |                 | 509202(2546.01 MHz)<br>518598(2592.99 MHz)<br>528000(2640.00 MHz) | 100 MHz           | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                            | 2Tx             | 501204(2506.02 MHz)<br>518598(2592.99 MHz)<br>535998(2679.99 MHz) | 20 MHz            | QPSK / 16QAM / 64QAM / 256QAM        | 1 RB<br>Half RB<br>Full RB |
|                            |                 | 502200(2511.00 MHz)<br>518598(2592.99 MHz)<br>534996(2674.98 MHz) | 30 MHz            | QPSK / 16QAM / 64QAM / 256QAM        | 1 RB<br>Half RB<br>Full RB |
|                            |                 | 503202(2516.01 MHz)<br>518598(2592.99 MHz)<br>534000(2670.00 MHz) | 40 MHz            | QPSK / 16QAM / 64QAM / 256QAM        | 1 RB<br>Half RB<br>Full RB |
|                            |                 | 504204(2521.02 MHz)<br>518598(2592.99 MHz)<br>532998(2664.99 MHz) | 50 MHz            | QPSK / 16QAM / 64QAM / 256QAM        | 1 RB<br>Half RB<br>Full RB |
|                            |                 | 505200(2526.00 MHz)<br>518598(2592.99 MHz)<br>531996(2659.98 MHz) | 60 MHz            | QPSK / 16QAM / 64QAM / 256QAM        | 1 RB<br>Half RB<br>Full RB |
|                            |                 | 506202(2531.01 MHz)<br>518598(2592.99 MHz)<br>531000(2655.00 MHz) | 70 MHz            | QPSK / 16QAM / 64QAM / 256QAM        | 1 RB<br>Half RB<br>Full RB |
|                            |                 | 507204(2536.02 MHz)<br>518598(2592.99 MHz)<br>529998(2649.99 MHz) | 80 MHz            | QPSK / 16QAM / 64QAM / 256QAM        | 1 RB<br>Half RB<br>Full RB |
|                            |                 | 508200(2541.00 MHz)<br>518598(2592.99 MHz)<br>528996(2644.98 MHz) | 90 MHz            | QPSK / 16QAM / 64QAM / 256QAM        | 1 RB<br>Half RB<br>Full RB |
|                            |                 | 509202(2546.01 MHz)<br>518598(2592.99 MHz)<br>528000(2640.00 MHz) | 100 MHz           | QPSK / 16QAM / 64QAM / 256QAM        | 1 RB<br>Half RB<br>Full RB |
|                            |                 |                                                                   |                   |                                      |                            |
|                            |                 |                                                                   |                   |                                      |                            |
|                            |                 |                                                                   |                   |                                      |                            |
|                            |                 |                                                                   |                   |                                      |                            |
|                            |                 |                                                                   |                   |                                      |                            |
|                            |                 |                                                                   |                   |                                      |                            |
| Modulation Characteristics | 1Tx             | 518598(2592.99 MHz)                                               | 100 MHz           | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |

| Test Item             | Tx/Rx condition | Tested Channel                                                    | Channel Bandwidth | Modulation                    | Mode |
|-----------------------|-----------------|-------------------------------------------------------------------|-------------------|-------------------------------|------|
| Peak to Average Ratio | 1Tx             | 501204(2506.02 MHz)<br>518598(2592.99 MHz)<br>535998(2679.99 MHz) | 20 MHz            | BPSK                          | 1 RB |
|                       |                 | 502200(2511.00 MHz)<br>518598(2592.99 MHz)<br>534996(2674.98 MHz) | 30 MHz            | BPSK                          | 1 RB |
|                       |                 | 503202(2516.01 MHz)<br>518598(2592.99 MHz)<br>534000(2670.00 MHz) | 40 MHz            | BPSK                          | 1 RB |
|                       |                 | 504204(2521.02 MHz)<br>518598(2592.99 MHz)<br>532998(2664.99 MHz) | 50 MHz            | BPSK                          | 1 RB |
|                       |                 | 505200(2526.00 MHz)<br>518598(2592.99 MHz)<br>531996(2659.98 MHz) | 60 MHz            | BPSK                          | 1 RB |
|                       |                 | 506202(2531.01 MHz)<br>518598(2592.99 MHz)<br>531000(2655.00 MHz) | 70 MHz            | BPSK                          | 1 RB |
|                       |                 | 507204(2536.02 MHz)<br>518598(2592.99 MHz)<br>529998(2649.99 MHz) | 80 MHz            | BPSK                          | 1 RB |
|                       |                 | 508200(2541.00 MHz)<br>518598(2592.99 MHz)<br>528996(2644.98 MHz) | 90 MHz            | BPSK                          | 1 RB |
|                       |                 | 509202(2546.01 MHz)<br>518598(2592.99 MHz)<br>528000(2640.00 MHz) | 100 MHz           | BPSK                          | 1 RB |
|                       | 2Tx             | 501204(2506.02 MHz)<br>518598(2592.99 MHz)<br>535998(2679.99 MHz) | 20 MHz            | QPSK / 16QAM / 64QAM / 256QAM | 1 RB |
|                       |                 | 502200(2511.00 MHz)<br>518598(2592.99 MHz)<br>534996(2674.98 MHz) | 30 MHz            | QPSK / 16QAM / 64QAM / 256QAM | 1 RB |
|                       |                 | 503202(2516.01 MHz)<br>518598(2592.99 MHz)<br>534000(2670.00 MHz) | 40 MHz            | QPSK / 16QAM / 64QAM / 256QAM | 1 RB |
|                       |                 | 504204(2521.02 MHz)<br>518598(2592.99 MHz)<br>532998(2664.99 MHz) | 50 MHz            | QPSK / 16QAM / 64QAM / 256QAM | 1 RB |
|                       |                 | 505200(2526.00 MHz)<br>518598(2592.99 MHz)<br>531996(2659.98 MHz) | 60 MHz            | QPSK / 16QAM / 64QAM / 256QAM | 1 RB |
|                       |                 | 506202(2531.01 MHz)<br>518598(2592.99 MHz)<br>531000(2655.00 MHz) | 70 MHz            | QPSK / 16QAM / 64QAM / 256QAM | 1 RB |
|                       |                 | 507204(2536.02 MHz)<br>518598(2592.99 MHz)<br>529998(2649.99 MHz) | 80 MHz            | QPSK / 16QAM / 64QAM / 256QAM | 1 RB |
|                       |                 | 508200(2541.00 MHz)<br>518598(2592.99 MHz)<br>528996(2644.98 MHz) | 90 MHz            | QPSK / 16QAM / 64QAM / 256QAM | 1 RB |
|                       |                 | 509202(2546.01 MHz)<br>518598(2592.99 MHz)<br>528000(2640.00 MHz) | 100 MHz           | QPSK / 16QAM / 64QAM / 256QAM | 1 RB |

| Test Item          | Tx/Rx condition | Tested Channel                                                    | Channel Bandwidth | Modulation                    | Mode    |
|--------------------|-----------------|-------------------------------------------------------------------|-------------------|-------------------------------|---------|
| Occupied Bandwidth | 1Tx             | 501204(2506.02 MHz)<br>518598(2592.99 MHz)<br>535998(2679.99 MHz) | 20 MHz            | BPSK                          | Full RB |
|                    |                 | 502200(2511.00 MHz)<br>518598(2592.99 MHz)<br>534996(2674.98 MHz) | 30 MHz            | BPSK                          | Full RB |
|                    |                 | 503202(2516.01 MHz)<br>518598(2592.99 MHz)<br>534000(2670.00 MHz) | 40 MHz            | BPSK                          | Full RB |
|                    |                 | 504204(2521.02 MHz)<br>518598(2592.99 MHz)<br>532998(2664.99 MHz) | 50 MHz            | BPSK                          | Full RB |
|                    |                 | 505200(2526.00 MHz)<br>518598(2592.99 MHz)<br>531996(2659.98 MHz) | 60 MHz            | BPSK                          | Full RB |
|                    |                 | 506202(2531.01 MHz)<br>518598(2592.99 MHz)<br>531000(2655.00 MHz) | 70 MHz            | BPSK                          | Full RB |
|                    |                 | 507204(2536.02 MHz)<br>518598(2592.99 MHz)<br>529998(2649.99 MHz) | 80 MHz            | BPSK                          | Full RB |
|                    |                 | 508200(2541.00 MHz)<br>518598(2592.99 MHz)<br>528996(2644.98 MHz) | 90 MHz            | BPSK                          | Full RB |
|                    |                 | 509202(2546.01 MHz)<br>518598(2592.99 MHz)<br>528000(2640.00 MHz) | 100 MHz           | BPSK                          | Full RB |
|                    | 2Tx             | 501204(2506.02 MHz)<br>518598(2592.99 MHz)<br>535998(2679.99 MHz) | 20 MHz            | QPSK / 16QAM / 64QAM / 256QAM | Full RB |
|                    |                 | 502200(2511.00 MHz)<br>518598(2592.99 MHz)<br>534996(2674.98 MHz) | 30 MHz            | QPSK / 16QAM / 64QAM / 256QAM | Full RB |
|                    |                 | 503202(2516.01 MHz)<br>518598(2592.99 MHz)<br>534000(2670.00 MHz) | 40 MHz            | QPSK / 16QAM / 64QAM / 256QAM | Full RB |
|                    |                 | 504204(2521.02 MHz)<br>518598(2592.99 MHz)<br>532998(2664.99 MHz) | 50 MHz            | QPSK / 16QAM / 64QAM / 256QAM | Full RB |
|                    |                 | 505200(2526.00 MHz)<br>518598(2592.99 MHz)<br>531996(2659.98 MHz) | 60 MHz            | QPSK / 16QAM / 64QAM / 256QAM | Full RB |
|                    |                 | 506202(2531.01 MHz)<br>518598(2592.99 MHz)<br>531000(2655.00 MHz) | 70 MHz            | QPSK / 16QAM / 64QAM / 256QAM | Full RB |
|                    |                 | 507204(2536.02 MHz)<br>518598(2592.99 MHz)<br>529998(2649.99 MHz) | 80 MHz            | QPSK / 16QAM / 64QAM / 256QAM | Full RB |
|                    |                 | 508200(2541.00 MHz)<br>518598(2592.99 MHz)<br>528996(2644.98 MHz) | 90 MHz            | QPSK / 16QAM / 64QAM / 256QAM | Full RB |
|                    |                 | 509202(2546.01 MHz)<br>518598(2592.99 MHz)<br>528000(2640.00 MHz) | 100 MHz           | QPSK / 16QAM / 64QAM / 256QAM | Full RB |

| Test Item           | Tx/Rx condition | Tested Channel                                                    | Channel Bandwidth | Modulation | Mode            |
|---------------------|-----------------|-------------------------------------------------------------------|-------------------|------------|-----------------|
| Conducted Emission  | 2Tx             | 501204(2506.02 MHz)<br>518598(2592.99 MHz)<br>535998(2679.99 MHz) | 20 MHz            | QPSK       | 1 RB<br>Full RB |
|                     |                 | 502200(2511.00 MHz)<br>518598(2592.99 MHz)<br>534996(2674.98 MHz) | 30 MHz            | QPSK       | 1 RB<br>Full RB |
|                     |                 | 503202(2516.01 MHz)<br>518598(2592.99 MHz)<br>534000(2670.00 MHz) | 40 MHz            | QPSK       | 1 RB<br>Full RB |
|                     |                 | 504204(2521.02 MHz)<br>518598(2592.99 MHz)<br>532998(2664.99 MHz) | 50 MHz            | QPSK       | 1 RB<br>Full RB |
|                     |                 | 505200(2526.00 MHz)<br>518598(2592.99 MHz)<br>531996(2659.98 MHz) | 60 MHz            | QPSK       | 1 RB<br>Full RB |
|                     |                 | 506202(2531.01 MHz)<br>518598(2592.99 MHz)<br>531000(2655.00 MHz) | 70 MHz            | QPSK       | 1 RB<br>Full RB |
|                     |                 | 507204(2536.02 MHz)<br>518598(2592.99 MHz)<br>529998(2649.99 MHz) | 80 MHz            | QPSK       | 1 RB<br>Full RB |
|                     |                 | 508200(2541.00 MHz)<br>518598(2592.99 MHz)<br>528996(2644.98 MHz) | 90 MHz            | QPSK       | 1 RB<br>Full RB |
|                     |                 | 509202(2546.01 MHz)<br>518598(2592.99 MHz)<br>528000(2640.00 MHz) | 100 MHz           | QPSK       | 1 RB<br>Full RB |
|                     |                 |                                                                   |                   |            |                 |
| RE Below 1GHz       | 2Tx             | 518598(2592.99 MHz)                                               | 50 MHz            | QPSK       | 1 RB            |
| RE Above 1GHz       | 1Tx             | 501204(2506.02 MHz)<br>518598(2592.99 MHz)<br>535998(2679.99 MHz) | 20 MHz            | QPSK       | 1 RB            |
|                     |                 | 504204(2521.02 MHz)<br>518598(2592.99 MHz)<br>532998(2664.99 MHz) | 50 MHz            | QPSK       | 1 RB            |
|                     |                 | 509202(2546.01 MHz)<br>518598(2592.99 MHz)<br>528000(2640.00 MHz) | 100 MHz           | QPSK       | 1 RB            |
|                     | 2Tx             | 501204(2506.02 MHz)<br>518598(2592.99 MHz)<br>535998(2679.99 MHz) | 20 MHz            | QPSK       | 1 RB            |
|                     |                 | 504204(2521.02 MHz)<br>518598(2592.99 MHz)<br>532998(2664.99 MHz) | 50 MHz            | QPSK       | 1 RB            |
|                     |                 | 509202(2546.01 MHz)<br>518598(2592.99 MHz)<br>528000(2640.00 MHz) | 100 MHz           | QPSK       | 1 RB            |
| Frequency Stability | 1Tx             | 509202(2546.01 MHz)<br>528000(2640.00 MHz)                        | 100 MHz           | QPSK       | Full RB         |

### 3.3.13 NR n66 SCS 15 kHz

| Test Item             | Tested Channel                                                    | Channel Bandwidth | Modulation                           | Mode                       |
|-----------------------|-------------------------------------------------------------------|-------------------|--------------------------------------|----------------------------|
| EIRP                  | 342500(1712.50 MHz)<br>349000(1745.00 MHz)<br>355500(1777.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                       | 343000(1715.00 MHz)<br>349000(1745.00 MHz)<br>355000(1775.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                       | 343500(1717.50 MHz)<br>349000(1745.00 MHz)<br>354500(1772.50 MHz) | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                       | 344000(1720.00 MHz)<br>349000(1745.00 MHz)<br>354000(1770.00 MHz) | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                       | 349000(1745.00 MHz)                                               | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 342500(1712.50 MHz)<br>349000(1745.00 MHz)<br>355500(1777.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB                       |
|                       | 343000(1715.00 MHz)<br>349000(1745.00 MHz)<br>355000(1775.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB                       |
|                       | 343500(1717.50 MHz)<br>349000(1745.00 MHz)<br>354500(1772.50 MHz) | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB                       |
| Peak to Average Ratio | 344000(1720.00 MHz)<br>349000(1745.00 MHz)<br>354000(1770.00 MHz) | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB                       |
|                       | 342500(1712.50 MHz)<br>349000(1745.00 MHz)<br>355500(1777.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 343000(1715.00 MHz)<br>349000(1745.00 MHz)<br>355000(1775.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 343500(1717.50 MHz)<br>349000(1745.00 MHz)<br>354500(1772.50 MHz) | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 344000(1720.00 MHz)<br>349000(1745.00 MHz)<br>354000(1770.00 MHz) | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 342500(1712.50 MHz)<br>349000(1745.00 MHz)<br>355500(1777.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 343000(1715.00 MHz)<br>349000(1745.00 MHz)<br>355000(1775.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 343500(1717.50 MHz)<br>349000(1745.00 MHz)<br>354500(1772.50 MHz) | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
| Occupied Bandwidth    | 344000(1720.00 MHz)<br>349000(1745.00 MHz)<br>354000(1770.00 MHz) | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 342500(1712.50 MHz)<br>349000(1745.00 MHz)<br>355500(1777.50 MHz) | 5 MHz             | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 343000(1715.00 MHz)<br>349000(1745.00 MHz)<br>355000(1775.00 MHz) | 10 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 343500(1717.50 MHz)<br>349000(1745.00 MHz)<br>354500(1772.50 MHz) | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 344000(1720.00 MHz)<br>349000(1745.00 MHz)<br>354000(1770.00 MHz) | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
|                       | 342500(1712.50 MHz)<br>349000(1745.00 MHz)<br>355500(1777.50 MHz) | 5 MHz             | QPSK                                 | 1 RB<br>Full RB            |
|                       | 343000(1715.00 MHz)<br>349000(1745.00 MHz)<br>355000(1775.00 MHz) | 10 MHz            | QPSK                                 | 1 RB<br>Full RB            |
|                       | 343500(1717.50 MHz)<br>349000(1745.00 MHz)<br>354500(1772.50 MHz) | 15 MHz            | QPSK                                 | 1 RB<br>Full RB            |
| Conducted Emission    | 344000(1720.00 MHz)<br>349000(1745.00 MHz)<br>354000(1770.00 MHz) | 20 MHz            | QPSK                                 | 1 RB<br>Full RB            |

| Test Item           | Tested Channel                             | Channel Bandwidth | Modulation | Mode    |
|---------------------|--------------------------------------------|-------------------|------------|---------|
| RE Below 1GHz       | 355500(1777.50 MHz)                        | 5 MHz             | QPSK       | 1 RB    |
| RE Above 1GHz       | 342500(1712.50 MHz)                        | 5 MHz             | QPSK       | 1 RB    |
|                     | 349000(1745.00 MHz)                        |                   |            |         |
|                     | 355500(1777.50 MHz)                        |                   |            |         |
|                     | 344000(1720.00 MHz)                        | 20 MHz            | QPSK       | 1 RB    |
|                     | 349000(1745.00 MHz)                        |                   |            |         |
|                     | 354000(1770.00 MHz)                        |                   |            |         |
| Frequency Stability | 344000(1720.00 MHz)<br>354000(1770.00 MHz) | 20 MHz            | QPSK       | Full RB |

### 3.3.14 NR n70 SCS 15 kHz

| Test Item                  | Tested Channel                                                 | Channel Bandwidth | Modulation                           | Mode                       |
|----------------------------|----------------------------------------------------------------|-------------------|--------------------------------------|----------------------------|
| EIRP                       | 340500(1702.5 MHz)                                             | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
| Modulation Characteristics | 340500(1702.5 MHz)                                             | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
| Peak to Average Ratio      | 340500(1702.5 MHz)                                             | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB                       |
| Occupied Bandwidth         | 340500(1702.5 MHz)                                             | 15 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |
| Conducted Emission         | 339500(1697.5 MHz)<br>340500(1702.5 MHz)<br>341500(1705.7 MHz) | 5 MHz             | QPSK                                 | 1 RB<br>Full RB            |
|                            | 340000(1700 MHz)<br>340500(1702.5 MHz)<br>341000(1705 MHz)     | 10 MHz            | QPSK                                 | 1 RB<br>Full RB            |
|                            | 340500(1702.5 MHz)                                             | 15 MHz            | QPSK                                 | 1 RB<br>Full RB            |
| RE Below 1GHz              | 340500(1702.5 MHz)                                             | 15 MHz            | QPSK                                 | 1 RB                       |
| RE Above 1GHz              | 339500(1697.5 MHz)<br>340500(1702.5 MHz)<br>341500(1705.7 MHz) | 5 MHz             | QPSK                                 | 1 RB                       |
|                            | 340500(1702.5 MHz)                                             | 15 MHz            | QPSK                                 | 1 RB                       |
| Frequency Stability        | 340500(1702.5 MHz)                                             | 15 MHz            | QPSK                                 | Full RB                    |

### 3.3.15 NR n71 SCS 15 kHz

| Test Item                                                      | Tested Channel                                                 | Channel Bandwidth                                              | Modulation                           | Mode                                 |         |
|----------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------|--------------------------------------|---------|
| ERP                                                            | 133100(665.50 MHz)<br>136100(680.50 MHz)<br>139100(695.50 MHz) | 5 MHz                                                          | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB           |         |
|                                                                | 133600(668.00 MHz)<br>136100(680.50 MHz)<br>138600(693.00 MHz) | 10 MHz                                                         | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB           |         |
|                                                                | 134100(670.50 MHz)<br>136100(680.50 MHz)<br>138100(690.50 MHz) | 15 MHz                                                         | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB           |         |
|                                                                | 134600(673.00 MHz)<br>136100(680.50 MHz)<br>137600(688.00 MHz) | 20 MHz                                                         | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB           |         |
|                                                                | Modulation Characteristics                                     |                                                                |                                      |                                      |         |
|                                                                | 136100(680.50 MHz)                                             | 20 MHz                                                         | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                              |         |
|                                                                | Peak to Average Ratio                                          | 133100(665.50 MHz)<br>136100(680.50 MHz)<br>139100(695.50 MHz) | 5 MHz                                | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB    |
|                                                                |                                                                | 133600(668.00 MHz)<br>136100(680.50 MHz)<br>138600(693.00 MHz) | 10 MHz                               | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB    |
| 134100(670.50 MHz)<br>136100(680.50 MHz)<br>138100(690.50 MHz) |                                                                | 15 MHz                                                         | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB                                 |         |
| 134600(673.00 MHz)<br>136100(680.50 MHz)<br>137600(688.00 MHz) |                                                                | 20 MHz                                                         | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB                                 |         |
| Occupied Bandwidth                                             |                                                                | 133100(665.50 MHz)<br>136100(680.50 MHz)<br>139100(695.50 MHz) | 5 MHz                                | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB |
|                                                                |                                                                | 133600(668.00 MHz)<br>136100(680.50 MHz)<br>138600(693.00 MHz) | 10 MHz                               | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB |
|                                                                |                                                                | 134100(670.50 MHz)<br>136100(680.50 MHz)<br>138100(690.50 MHz) | 15 MHz                               | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB |
|                                                                |                                                                | 134600(673.00 MHz)<br>136100(680.50 MHz)<br>137600(688.00 MHz) | 20 MHz                               | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB |
| Conducted Emission                                             | 133100(665.50 MHz)<br>136100(680.50 MHz)<br>139100(695.50 MHz) | 5 MHz                                                          | QPSK                                 | 1 RB<br>Full RB                      |         |
|                                                                | 133600(668.00 MHz)<br>136100(680.50 MHz)<br>138600(693.00 MHz) | 10 MHz                                                         | QPSK                                 | 1 RB<br>Full RB                      |         |
|                                                                | 134100(670.50 MHz)<br>136100(680.50 MHz)<br>138100(690.50 MHz) | 15 MHz                                                         | QPSK                                 | 1 RB<br>Full RB                      |         |
|                                                                | 134600(673.00 MHz)<br>136100(680.50 MHz)<br>137600(688.00 MHz) | 20 MHz                                                         | QPSK                                 | 1 RB<br>Full RB                      |         |

| Test Item           | Tested Channel     | Channel Bandwidth | Modulation | Mode    |
|---------------------|--------------------|-------------------|------------|---------|
| RE Below 1GHz       | 133100(665.50 MHz) | 5 MHz             | QPSK       | 1 RB    |
| RE Above 1GHz       | 133100(665.50 MHz) | 5 MHz             | QPSK       | 1 RB    |
|                     | 136100(680.50 MHz) |                   |            |         |
|                     | 139100(695.50 MHz) |                   |            |         |
|                     | 134600(673.00 MHz) | 20 MHz            | QPSK       | 1 RB    |
|                     | 136100(680.50 MHz) |                   |            |         |
|                     | 137600(688.00 MHz) |                   |            |         |
| Frequency Stability | 134600(673.00 MHz) | 20 MHz            | QPSK       | Full RB |
|                     | 137600(688.00 MHz) |                   |            |         |

### 3.3.16 NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz)

| Test Item | Tx/Rx condition            | Tested Channel                                                    | Channel Bandwidth | Modulation                           | Mode                       |
|-----------|----------------------------|-------------------------------------------------------------------|-------------------|--------------------------------------|----------------------------|
| EIRP      | 1Tx                        | 647334(3710.01 MHz)<br>656000(3840.00 MHz)<br>664666(3969.99 MHz) | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|           |                            | 647668(3715.02 MHz)<br>656000(3840.00 MHz)<br>664332(3964.98 MHz) | 30 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|           |                            | 648000(3720.00 MHz)<br>656000(3840.00 MHz)<br>664000(3960.00 MHz) | 40 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|           |                            | 648668(3730.02 MHz)<br>656000(3840.00 MHz)<br>663332(3949.98 MHz) | 60 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|           |                            | 649334(3740.01 MHz)<br>656000(3840.00 MHz)<br>662666(3939.99 MHz) | 80 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|           |                            | 650000(3750.00 MHz)<br>656000(3840.00 MHz)<br>662000(3930.00 MHz) | 100 MHz           | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|           | 2Tx                        | 647334(3710.01 MHz)<br>656000(3840.00 MHz)<br>664666(3969.99 MHz) | 20 MHz            | QPSK / 16QAM / 64QAM / 256QAM        | 1 RB<br>Half RB<br>Full RB |
|           |                            | 647668(3715.02 MHz)<br>656000(3840.00 MHz)<br>664332(3964.98 MHz) | 30 MHz            | QPSK / 16QAM / 64QAM / 256QAM        | 1 RB<br>Half RB<br>Full RB |
|           |                            | 648000(3720.00 MHz)<br>656000(3840.00 MHz)<br>664000(3960.00 MHz) | 40 MHz            | QPSK / 16QAM / 64QAM / 256QAM        | 1 RB<br>Half RB<br>Full RB |
|           |                            | 648668(3730.02 MHz)<br>656000(3840.00 MHz)<br>663332(3949.98 MHz) | 60 MHz            | QPSK / 16QAM / 64QAM / 256QAM        | 1 RB<br>Half RB<br>Full RB |
|           |                            | 649334(3740.01 MHz)<br>656000(3840.00 MHz)<br>662666(3939.99 MHz) | 80 MHz            | QPSK / 16QAM / 64QAM / 256QAM        | 1 RB<br>Half RB<br>Full RB |
|           |                            | 650000(3750.00 MHz)<br>656000(3840.00 MHz)<br>662000(3930.00 MHz) | 100 MHz           | QPSK / 16QAM / 64QAM / 256QAM        | 1 RB<br>Half RB<br>Full RB |
|           | Modulation Characteristics | 656000(3840.00 MHz)                                               | 100 MHz           | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |

| Test Item             | Tx/Rx condition | Tested Channel                                                    | Channel Bandwidth | Modulation                    | Mode |
|-----------------------|-----------------|-------------------------------------------------------------------|-------------------|-------------------------------|------|
| Peak to Average Ratio | 1Tx             | 647334(3710.01 MHz)<br>656000(3840.00 MHz)<br>664666(3969.99 MHz) | 20 MHz            | BPSK                          | 1 RB |
|                       |                 | 647668(3715.02 MHz)<br>656000(3840.00 MHz)<br>664332(3964.98 MHz) | 30 MHz            | BPSK                          | 1 RB |
|                       |                 | 648000(3720.00 MHz)<br>656000(3840.00 MHz)<br>664000(3960.00 MHz) | 40 MHz            | BPSK                          | 1 RB |
|                       |                 | 648668(3730.02 MHz)<br>656000(3840.00 MHz)<br>663332(3949.98 MHz) | 60 MHz            | BPSK                          | 1 RB |
|                       |                 | 649334(3740.01 MHz)<br>656000(3840.00 MHz)<br>662666(3939.99 MHz) | 80 MHz            | BPSK                          | 1 RB |
|                       |                 | 650000(3750.00 MHz)<br>656000(3840.00 MHz)<br>662000(3930.00 MHz) | 100 MHz           | BPSK                          | 1 RB |
|                       | 2Tx             | 647334(3710.01 MHz)<br>656000(3840.00 MHz)<br>664666(3969.99 MHz) | 20 MHz            | QPSK / 16QAM / 64QAM / 256QAM | 1 RB |
|                       |                 | 647668(3715.02 MHz)<br>656000(3840.00 MHz)<br>664332(3964.98 MHz) | 30 MHz            | QPSK / 16QAM / 64QAM / 256QAM | 1 RB |
|                       |                 | 648000(3720.00 MHz)<br>656000(3840.00 MHz)<br>664000(3960.00 MHz) | 40 MHz            | QPSK / 16QAM / 64QAM / 256QAM | 1 RB |
|                       |                 | 648668(3730.02 MHz)<br>656000(3840.00 MHz)<br>663332(3949.98 MHz) | 60 MHz            | QPSK / 16QAM / 64QAM / 256QAM | 1 RB |
|                       |                 | 649334(3740.01 MHz)<br>656000(3840.00 MHz)<br>662666(3939.99 MHz) | 80 MHz            | QPSK / 16QAM / 64QAM / 256QAM | 1 RB |
|                       |                 | 650000(3750.00 MHz)<br>656000(3840.00 MHz)<br>662000(3930.00 MHz) | 100 MHz           | QPSK / 16QAM / 64QAM / 256QAM | 1 RB |

| Test Item          | Tx/Rx condition | Tested Channel                                                    | Channel Bandwidth | Modulation                    | Mode            |
|--------------------|-----------------|-------------------------------------------------------------------|-------------------|-------------------------------|-----------------|
| Occupied Bandwidth | 1Tx             | 647334(3710.01 MHz)<br>656000(3840.00 MHz)<br>664666(3969.99 MHz) | 20 MHz            | BPSK                          | Full RB         |
|                    |                 | 647668(3715.02 MHz)<br>656000(3840.00 MHz)<br>664332(3964.98 MHz) | 30 MHz            | BPSK                          | Full RB         |
|                    |                 | 648000(3720.00 MHz)<br>656000(3840.00 MHz)<br>664000(3960.00 MHz) | 40 MHz            | BPSK                          | Full RB         |
|                    |                 | 648668(3730.02 MHz)<br>656000(3840.00 MHz)<br>663332(3949.98 MHz) | 60 MHz            | BPSK                          | Full RB         |
|                    |                 | 649334(3740.01 MHz)<br>656000(3840.00 MHz)<br>662666(3939.99 MHz) | 80 MHz            | BPSK                          | Full RB         |
|                    |                 | 650000(3750.00 MHz)<br>656000(3840.00 MHz)<br>662000(3930.00 MHz) | 100 MHz           | BPSK                          | Full RB         |
|                    | 2Tx             | 647334(3710.01 MHz)<br>656000(3840.00 MHz)<br>664666(3969.99 MHz) | 20 MHz            | QPSK / 16QAM / 64QAM / 256QAM | Full RB         |
|                    |                 | 647668(3715.02 MHz)<br>656000(3840.00 MHz)<br>664332(3964.98 MHz) | 30 MHz            | QPSK / 16QAM / 64QAM / 256QAM | Full RB         |
|                    |                 | 648000(3720.00 MHz)<br>656000(3840.00 MHz)<br>664000(3960.00 MHz) | 40 MHz            | QPSK / 16QAM / 64QAM / 256QAM | Full RB         |
|                    |                 | 648668(3730.02 MHz)<br>656000(3840.00 MHz)<br>663332(3949.98 MHz) | 60 MHz            | QPSK / 16QAM / 64QAM / 256QAM | Full RB         |
|                    |                 | 649334(3740.01 MHz)<br>656000(3840.00 MHz)<br>662666(3939.99 MHz) | 80 MHz            | QPSK / 16QAM / 64QAM / 256QAM | Full RB         |
|                    |                 | 650000(3750.00 MHz)<br>656000(3840.00 MHz)<br>662000(3930.00 MHz) | 100 MHz           | QPSK / 16QAM / 64QAM / 256QAM | Full RB         |
| Conducted Emission | 2Tx             | 647334(3710.01 MHz)<br>656000(3840.00 MHz)<br>664666(3969.99 MHz) | 20 MHz            | QPSK                          | 1 RB<br>Full RB |
|                    |                 | 647668(3715.02 MHz)<br>656000(3840.00 MHz)<br>664332(3964.98 MHz) | 30 MHz            | QPSK                          | 1 RB<br>Full RB |
|                    |                 | 648000(3720.00 MHz)<br>656000(3840.00 MHz)<br>664000(3960.00 MHz) | 40 MHz            | QPSK                          | 1 RB<br>Full RB |
|                    |                 | 648668(3730.02 MHz)<br>656000(3840.00 MHz)<br>663332(3949.98 MHz) | 60 MHz            | QPSK                          | 1 RB<br>Full RB |
|                    |                 | 649334(3740.01 MHz)<br>656000(3840.00 MHz)<br>662666(3939.99 MHz) | 80 MHz            | QPSK                          | 1 RB<br>Full RB |
|                    |                 | 650000(3750.00 MHz)<br>656000(3840.00 MHz)<br>662000(3930.00 MHz) | 100 MHz           | QPSK                          | 1 RB<br>Full RB |

| Test Item           | Tx/Rx condition | Tested Channel                             | Channel Bandwidth | Modulation | Mode    |
|---------------------|-----------------|--------------------------------------------|-------------------|------------|---------|
| RE Below 1GHz       | 1Tx             | 663332(3949.98 MHz)                        | 60 MHz            | QPSK       | 1 RB    |
| RE Above 1GHz       | 1Tx             | 647334(3710.01 MHz)                        | 20 MHz            | QPSK       | 1 RB    |
|                     |                 | 656000(3840.00 MHz)                        |                   |            |         |
|                     |                 | 664666(3969.99 MHz)                        |                   |            |         |
|                     |                 | 648668(3730.02 MHz)                        | 60 MHz            | QPSK       | 1 RB    |
|                     |                 | 656000(3840.00 MHz)                        |                   |            |         |
|                     | 2Tx             | 663332(3949.98 MHz)                        | 100 MHz           | QPSK       | 1 RB    |
|                     |                 | 650000(3750.00 MHz)                        |                   |            |         |
|                     |                 | 656000(3840.00 MHz)                        |                   |            |         |
|                     |                 | 662000(3930.00 MHz)                        | 20 MHz            | QPSK       | 1 RB    |
|                     |                 | 647334(3710.01 MHz)                        |                   |            |         |
|                     |                 | 656000(3840.00 MHz)                        |                   |            |         |
|                     |                 | 664666(3969.99 MHz)                        | 60 MHz            | QPSK       | 1 RB    |
|                     |                 | 648668(3730.02 MHz)                        |                   |            |         |
|                     |                 | 656000(3840.00 MHz)                        | 100 MHz           | QPSK       | 1 RB    |
|                     |                 | 663332(3949.98 MHz)                        |                   |            |         |
| Frequency Stability | 1Tx             | 650000(3750.00 MHz)<br>662000(3930.00 MHz) | 100 MHz           | QPSK       | Full RB |

### 3.3.17 NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz)

| Test Item                  | Tx/Rx condition | Tested Channel                                                    | Channel Bandwidth | Modulation                           | Mode                       |
|----------------------------|-----------------|-------------------------------------------------------------------|-------------------|--------------------------------------|----------------------------|
| EIRP                       | 1Tx             | 630668(3460.02 MHz)<br>633334(3500.01 MHz)<br>636000(3540.00 MHz) | 20 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                            |                 | 631000(3465.00 MHz)<br>633334(3500.01 MHz)<br>635666(3534.99 MHz) | 30 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                            |                 | 631334(3470.01 MHz)<br>633334(3500.01 MHz)<br>635332(3529.98 MHz) | 40 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                            |                 | 631668(3475.02 MHz)<br>633334(3500.01 MHz)<br>635000(3525.00 MHz) | 50 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                            |                 | 632000(3480.00 MHz)<br>633334(3500.01 MHz)<br>634666(3519.99 MHz) | 60 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                            |                 | 632334(3485.01 MHz)<br>633334(3500.01 MHz)<br>634332(3514.98 MHz) | 70 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                            |                 | 632668(3490.02 MHz)<br>633334(3500.01 MHz)<br>634000(3510.00 MHz) | 80 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                            |                 | 633000(3495.00 MHz)<br>633334(3500.01 MHz)<br>633666(3504.99 MHz) | 90 MHz            | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                            |                 | 633334(3500.01 MHz)                                               | 100 MHz           | BPSK / QPSK / 16QAM / 64QAM / 256QAM | 1 RB<br>Half RB<br>Full RB |
|                            | 2Tx             | 630668(3460.02 MHz)<br>633334(3500.01 MHz)<br>636000(3540.00 MHz) | 20 MHz            | QPSK / 16QAM / 64QAM / 256QAM        | 1 RB<br>Half RB<br>Full RB |
|                            |                 | 631000(3465.00 MHz)<br>633334(3500.01 MHz)<br>635666(3534.99 MHz) | 30 MHz            | QPSK / 16QAM / 64QAM / 256QAM        | 1 RB<br>Half RB<br>Full RB |
|                            |                 | 631334(3470.01 MHz)<br>633334(3500.01 MHz)<br>635332(3529.98 MHz) | 40 MHz            | QPSK / 16QAM / 64QAM / 256QAM        | 1 RB<br>Half RB<br>Full RB |
|                            |                 | 631668(3475.02 MHz)<br>633334(3500.01 MHz)<br>635000(3525.00 MHz) | 50 MHz            | QPSK / 16QAM / 64QAM / 256QAM        | 1 RB<br>Half RB<br>Full RB |
|                            |                 | 632000(3480.00 MHz)<br>633334(3500.01 MHz)<br>634666(3519.99 MHz) | 60 MHz            | QPSK / 16QAM / 64QAM / 256QAM        | 1 RB<br>Half RB<br>Full RB |
|                            |                 | 632334(3485.01 MHz)<br>633334(3500.01 MHz)<br>634332(3514.98 MHz) | 70 MHz            | QPSK / 16QAM / 64QAM / 256QAM        | 1 RB<br>Half RB<br>Full RB |
|                            |                 | 632668(3490.02 MHz)<br>633334(3500.01 MHz)<br>634000(3510.00 MHz) | 80 MHz            | QPSK / 16QAM / 64QAM / 256QAM        | 1 RB<br>Half RB<br>Full RB |
|                            |                 | 633000(3495.00 MHz)<br>633334(3500.01 MHz)<br>633666(3504.99 MHz) | 90 MHz            | QPSK / 16QAM / 64QAM / 256QAM        | 1 RB<br>Half RB<br>Full RB |
|                            |                 | 633334(3500.01 MHz)                                               | 100 MHz           | QPSK / 16QAM / 64QAM / 256QAM        | 1 RB<br>Half RB<br>Full RB |
|                            |                 |                                                                   |                   |                                      |                            |
|                            |                 |                                                                   |                   |                                      |                            |
|                            |                 |                                                                   |                   |                                      |                            |
|                            |                 |                                                                   |                   |                                      |                            |
|                            |                 |                                                                   |                   |                                      |                            |
|                            |                 |                                                                   |                   |                                      |                            |
| Modulation Characteristics | 1Tx             | 633334(3500.01 MHz)                                               | 100 MHz           | BPSK / QPSK / 16QAM / 64QAM / 256QAM | Full RB                    |

| Test Item             | Tx/Rx condition | Tested Channel                                                    | Channel Bandwidth | Modulation                    | Mode |
|-----------------------|-----------------|-------------------------------------------------------------------|-------------------|-------------------------------|------|
| Peak to Average Ratio | 1Tx             | 630668(3460.02 MHz)<br>633334(3500.01 MHz)<br>636000(3540.00 MHz) | 20 MHz            | BPSK                          | 1 RB |
|                       |                 | 631000(3465.00 MHz)<br>633334(3500.01 MHz)<br>635666(3534.99 MHz) | 30 MHz            | BPSK                          | 1 RB |
|                       |                 | 631334(3470.01 MHz)<br>633334(3500.01 MHz)<br>635332(3529.98 MHz) | 40 MHz            | BPSK                          | 1 RB |
|                       |                 | 631668(3475.02 MHz)<br>633334(3500.01 MHz)<br>635000(3525.00 MHz) | 50 MHz            | BPSK                          | 1 RB |
|                       |                 | 632000(3480.00 MHz)<br>633334(3500.01 MHz)<br>634666(3519.99 MHz) | 60 MHz            | BPSK                          | 1 RB |
|                       |                 | 632334(3485.01 MHz)<br>633334(3500.01 MHz)<br>634332(3514.98 MHz) | 70 MHz            | BPSK                          | 1 RB |
|                       |                 | 632668(3490.02 MHz)<br>633334(3500.01 MHz)<br>634000(3510.00 MHz) | 80 MHz            | BPSK                          | 1 RB |
|                       |                 | 633000(3495.00 MHz)<br>633334(3500.01 MHz)<br>633666(3504.99 MHz) | 90 MHz            | BPSK                          | 1 RB |
|                       |                 | 633334(3500.01 MHz)                                               | 100 MHz           | BPSK                          | 1 RB |
|                       | 2Tx             | 630668(3460.02 MHz)<br>633334(3500.01 MHz)<br>636000(3540.00 MHz) | 20 MHz            | QPSK / 16QAM / 64QAM / 256QAM | 1 RB |
|                       |                 | 631000(3465.00 MHz)<br>633334(3500.01 MHz)<br>635666(3534.99 MHz) | 30 MHz            | QPSK / 16QAM / 64QAM / 256QAM | 1 RB |
|                       |                 | 631334(3470.01 MHz)<br>633334(3500.01 MHz)<br>635332(3529.98 MHz) | 40 MHz            | QPSK / 16QAM / 64QAM / 256QAM | 1 RB |
|                       |                 | 631668(3475.02 MHz)<br>633334(3500.01 MHz)<br>635000(3525.00 MHz) | 50 MHz            | QPSK / 16QAM / 64QAM / 256QAM | 1 RB |
|                       |                 | 632000(3480.00 MHz)<br>633334(3500.01 MHz)<br>634666(3519.99 MHz) | 60 MHz            | QPSK / 16QAM / 64QAM / 256QAM | 1 RB |
|                       |                 | 632334(3485.01 MHz)<br>633334(3500.01 MHz)<br>634332(3514.98 MHz) | 70 MHz            | QPSK / 16QAM / 64QAM / 256QAM | 1 RB |
|                       |                 | 632668(3490.02 MHz)<br>633334(3500.01 MHz)<br>634000(3510.00 MHz) | 80 MHz            | QPSK / 16QAM / 64QAM / 256QAM | 1 RB |
|                       |                 | 633000(3495.00 MHz)<br>633334(3500.01 MHz)<br>633666(3504.99 MHz) | 90 MHz            | QPSK / 16QAM / 64QAM / 256QAM | 1 RB |
|                       |                 | 633334(3500.01 MHz)                                               | 100 MHz           | QPSK / 16QAM / 64QAM / 256QAM | 1 RB |

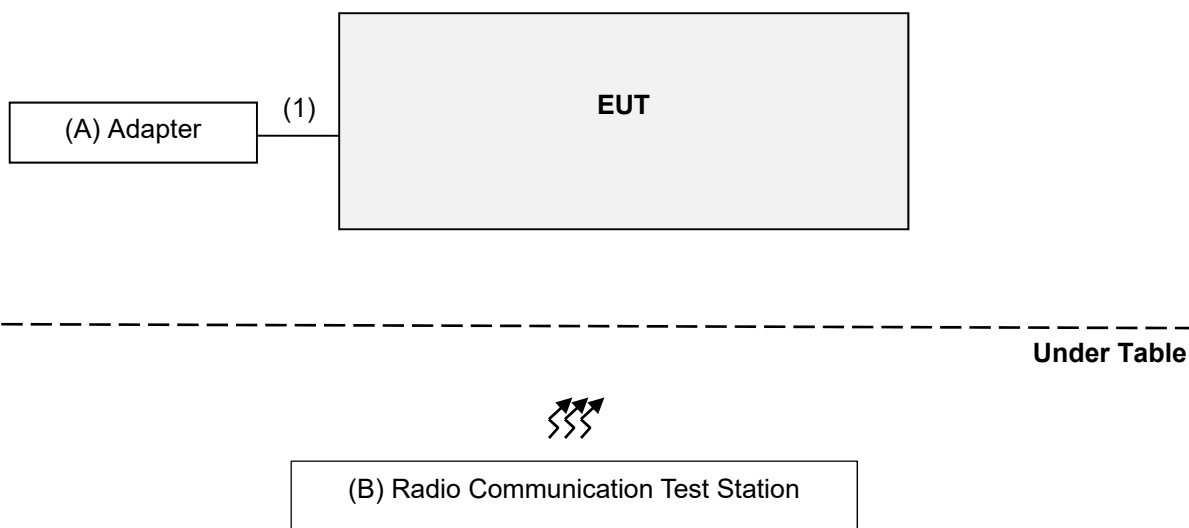
| Test Item          | Tx/Rx condition | Tested Channel                                                    | Channel Bandwidth | Modulation                    | Mode    |
|--------------------|-----------------|-------------------------------------------------------------------|-------------------|-------------------------------|---------|
| Occupied Bandwidth | 1Tx             | 630668(3460.02 MHz)<br>633334(3500.01 MHz)<br>636000(3540.00 MHz) | 20 MHz            | BPSK                          | Full RB |
|                    |                 | 631000(3465.00 MHz)<br>633334(3500.01 MHz)<br>635666(3534.99 MHz) | 30 MHz            | BPSK                          | Full RB |
|                    |                 | 631334(3470.01 MHz)<br>633334(3500.01 MHz)<br>635332(3529.98 MHz) | 40 MHz            | BPSK                          | Full RB |
|                    |                 | 631668(3475.02 MHz)<br>633334(3500.01 MHz)<br>635000(3525.00 MHz) | 50 MHz            | BPSK                          | Full RB |
|                    |                 | 632000(3480.00 MHz)<br>633334(3500.01 MHz)<br>634666(3519.99 MHz) | 60 MHz            | BPSK                          | Full RB |
|                    |                 | 632334(3485.01 MHz)<br>633334(3500.01 MHz)<br>634332(3514.98 MHz) | 70 MHz            | BPSK                          | Full RB |
|                    |                 | 632668(3490.02 MHz)<br>633334(3500.01 MHz)<br>634000(3510.00 MHz) | 80 MHz            | BPSK                          | Full RB |
|                    |                 | 633000(3495.00 MHz)<br>633334(3500.01 MHz)<br>633666(3504.99 MHz) | 90 MHz            | BPSK                          | Full RB |
|                    |                 | 633334(3500.01 MHz)                                               | 100 MHz           | BPSK                          | Full RB |
|                    | 2Tx             | 630668(3460.02 MHz)<br>633334(3500.01 MHz)<br>636000(3540.00 MHz) | 20 MHz            | QPSK / 16QAM / 64QAM / 256QAM | Full RB |
|                    |                 | 631000(3465.00 MHz)<br>633334(3500.01 MHz)<br>635666(3534.99 MHz) | 30 MHz            | QPSK / 16QAM / 64QAM / 256QAM | Full RB |
|                    |                 | 631334(3470.01 MHz)<br>633334(3500.01 MHz)<br>635332(3529.98 MHz) | 40 MHz            | QPSK / 16QAM / 64QAM / 256QAM | Full RB |
|                    |                 | 631668(3475.02 MHz)<br>633334(3500.01 MHz)<br>635000(3525.00 MHz) | 50 MHz            | QPSK / 16QAM / 64QAM / 256QAM | Full RB |
|                    |                 | 632000(3480.00 MHz)<br>633334(3500.01 MHz)<br>634666(3519.99 MHz) | 60 MHz            | QPSK / 16QAM / 64QAM / 256QAM | Full RB |
|                    |                 | 632334(3485.01 MHz)<br>633334(3500.01 MHz)<br>634332(3514.98 MHz) | 70 MHz            | QPSK / 16QAM / 64QAM / 256QAM | Full RB |
|                    |                 | 632668(3490.02 MHz)<br>633334(3500.01 MHz)<br>634000(3510.00 MHz) | 80 MHz            | QPSK / 16QAM / 64QAM / 256QAM | Full RB |
|                    |                 | 633000(3495.00 MHz)<br>633334(3500.01 MHz)<br>633666(3504.99 MHz) | 90 MHz            | QPSK / 16QAM / 64QAM / 256QAM | Full RB |
|                    |                 | 633334(3500.01 MHz)                                               | 100 MHz           | QPSK / 16QAM / 64QAM / 256QAM | Full RB |

| Test Item           | Tx/Rx condition | Tested Channel                                                    | Channel Bandwidth | Modulation | Mode            |
|---------------------|-----------------|-------------------------------------------------------------------|-------------------|------------|-----------------|
| Conducted Emission  | 2Tx             | 630668(3460.02 MHz)<br>633334(3500.01 MHz)<br>636000(3540.00 MHz) | 20 MHz            | QPSK       | 1 RB<br>Full RB |
|                     |                 | 631000(3465.00 MHz)<br>633334(3500.01 MHz)<br>635666(3534.99 MHz) | 30 MHz            | QPSK       | 1 RB<br>Full RB |
|                     |                 | 631334(3470.01 MHz)<br>633334(3500.01 MHz)<br>635332(3529.98 MHz) | 40 MHz            | QPSK       | 1 RB<br>Full RB |
|                     |                 | 631668(3475.02 MHz)<br>633334(3500.01 MHz)<br>635000(3525.00 MHz) | 50 MHz            | QPSK       | 1 RB<br>Full RB |
|                     |                 | 632000(3480.00 MHz)<br>633334(3500.01 MHz)<br>634666(3519.99 MHz) | 60 MHz            | QPSK       | 1 RB<br>Full RB |
|                     |                 | 632334(3485.01 MHz)<br>633334(3500.01 MHz)<br>634332(3514.98 MHz) | 70 MHz            | QPSK       | 1 RB<br>Full RB |
|                     |                 | 632668(3490.02 MHz)<br>633334(3500.01 MHz)<br>634000(3510.00 MHz) | 80 MHz            | QPSK       | 1 RB<br>Full RB |
|                     |                 | 633000(3495.00 MHz)<br>633334(3500.01 MHz)<br>633666(3504.99 MHz) | 90 MHz            | QPSK       | 1 RB<br>Full RB |
|                     |                 | 633334(3500.01 MHz)                                               | 100 MHz           | QPSK       | 1 RB<br>Full RB |
| RE Below 1GHz       | 1Tx             | 636000(3540.00 MHz)                                               | 20 MHz            | QPSK       | 1 RB            |
| RE Above 1GHz       | 1Tx             | 630668(3460.02 MHz)<br>633334(3500.01 MHz)<br>636000(3540.00 MHz) | 20 MHz            | QPSK       | 1 RB            |
|                     |                 | 632000(3480.00 MHz)<br>633334(3500.01 MHz)<br>634666(3519.99 MHz) | 60 MHz            | QPSK       | 1 RB            |
|                     |                 | 633334(3500.01 MHz)                                               | 100 MHz           | QPSK       | 1 RB            |
|                     | 2Tx             | 630668(3460.02 MHz)<br>633334(3500.01 MHz)<br>636000(3540.00 MHz) | 20 MHz            | QPSK       | 1 RB            |
|                     |                 | 632000(3480.00 MHz)<br>633334(3500.01 MHz)<br>634666(3519.99 MHz) | 60 MHz            | QPSK       | 1 RB            |
|                     |                 | 633334(3500.01 MHz)                                               | 100 MHz           | QPSK       | 1 RB            |
| Frequency Stability | 1Tx             | 633334(3500.01 MHz)                                               | 100 MHz           | QPSK       | Full RB         |

### 3.4 Test Program Used and Operation Descriptions

There is no need to controlling software during the test, and the EUT can be paired with the Radio Communication Analyzer to test the connection when it is powered on.

### 3.5 Connection Diagram of EUT and Peripheral Devices



### 3.6 Configuration of Peripheral Devices and Cable Connections

| ID | Product                          | Brand                   | Model No. | Serial No. | FCC ID | Remarks               |
|----|----------------------------------|-------------------------|-----------|------------|--------|-----------------------|
| A. | Adapter                          | CHANNEL WELL TECHNOLOGY | A1C030AC  | NA         | NA     | Supplied by applicant |
| B. | Radio Communication Test Station | Anritsu                 | MT8000A   | 6272278595 | NA     | Provided by Lab       |

| No. | Cable Descriptions | Qty. | Length (m) | Shielded (Yes/ No) | Cores (Qty.) | Remark                |
|-----|--------------------|------|------------|--------------------|--------------|-----------------------|
| 1.  | USB C to C Cable   | 1    | 0.92       | No                 | 0            | Supplied by applicant |

## 4 Test Instruments

The calibration interval of the all test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

### 4.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

| Description<br>Manufacturer               | Model No.                        | Serial No.        | Calibrated<br>Date     | Calibrated<br>Until    |
|-------------------------------------------|----------------------------------|-------------------|------------------------|------------------------|
| Fixed Attenuator<br>Woken                 | 00800A1K01A-10                   | 00800A1K01A-10-01 | 2024/5/29<br>2025/5/23 | 2025/5/28<br>2026/5/22 |
| PXA Signal Analyzer<br>Keysight           | N9030B                           | MY57140938        | 2025/3/24              | 2026/3/23              |
| Software<br>BV                            | ADT_RF Test Software<br>V7.6.5.4 | N/A               | N/A                    | N/A                    |
| UXM 5G Wireless Test Platform<br>Keysight | E7515B                           | MY58300759        | 2024/7/3               | 2025/7/2               |

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2025/3/25 ~ 2025/6/20

### 4.2 Modulation Characteristics

Refer to section 4.1 to get the tested date and information of the instruments.

### 4.3 Peak to Average Ratio

Refer to section 4.1 to get the tested date and information of the instruments.

### 4.4 Bandwidth

Refer to section 4.1 to get the tested date and information of the instruments.

### 4.5 Conducted Spurious Emissions

Refer to section 4.1 to get the tested date and information of the instruments.

#### 4.6 Radiated Spurious Emissions below 1GHz

| Description<br>Manufacturer       | Model No.                    | Serial No.   | Calibrated<br>Date | Calibrated<br>Until |
|-----------------------------------|------------------------------|--------------|--------------------|---------------------|
| Antenna Tower & Turn<br>BV ADT    | AT100                        | AT93021705   | N/A                | N/A                 |
| Bi_Log Antenna<br>Schwarzbeck     | VULB 9168                    | 9168-160     | 2024/10/9          | 2025/10/8           |
| Loop Antenna<br>TESEQ             | HLA 6121                     | 45745        | 2024/8/21          | 2025/8/20           |
| MXE EMI Receiver<br>Agilent       | N9038A                       | MY51210203   | 2024/8/27          | 2025/8/26           |
| Preamplifier<br>Agilent           | 8447D                        | 2944A10638   | 2024/5/1           | 2025/4/30           |
| RF Coaxial Cable<br>Woken         | 8D-FB                        | Cable-CH9-01 | 2024/5/1           | 2025/4/30           |
| Signal & Spectrum Analyzer<br>R&S | FSW43                        | 101866       | 2025/3/25          | 2026/3/24           |
| Software<br>BV ADT                | ADT_Radiated_<br>V7.6.15.9.5 | N/A          | N/A                | N/A                 |
| Turn Table<br>BV ADT              | TT100                        | TT93021705   | N/A                | N/A                 |
| Turn Table Controller<br>BV ADT   | SC100                        | SC93021705   | N/A                | N/A                 |

Notes:

1. The test was performed in HY - 966 chamber 4.
2. Tested Date: 2025/4/21

#### 4.7 Radiated Spurious Emissions above 1GHz

| Description<br>Manufacturer           | Model No.                         | Serial No.                      | Calibrated<br>Date | Calibrated<br>Until |
|---------------------------------------|-----------------------------------|---------------------------------|--------------------|---------------------|
| Antenna Tower & Turn<br>BV ADT        | AT100                             | AT93021705                      | N/A                | N/A                 |
| Boresight antenna tower fixture<br>BV | BAF-02                            | 5                               | N/A                | N/A                 |
| Horn Antenna<br>Schwarzbeck           | BBHA 9120D                        | 9120D-1169                      | 2024/11/10         | 2025/11/9           |
|                                       | BBHA 9170                         | 9170-480                        | 2024/11/10         | 2025/11/9           |
|                                       |                                   | BBHA9170243                     | 2024/11/10         | 2025/11/9           |
| MXE EMI Receiver<br>Agilent           | N9038A                            | MY51210203                      | 2024/8/27          | 2025/8/26           |
| Preamplifier<br>Agilent               | 8449B                             | 3008A02367                      | 2025/1/5           | 2026/1/4            |
| Preamplifier<br>EMCI                  | EMC 184045                        | 980116                          | 2024/9/24          | 2025/9/23           |
| RF Coaxial Cable<br>EMCI              | EMC102-KM-KM-600                  | 150928                          | 2024/7/6           | 2025/7/5            |
|                                       | EMC102-KM-KM-3000                 | 150929                          | 2024/7/6           | 2025/7/5            |
| RF Coaxial Cable<br>HUBER+SUHNER      | SUCOFLEX 104                      | CABLE-CH9-(250795/4)            | 2025/1/5           | 2026/1/4            |
| RF Coaxial Cable<br>HUBER+SUHNER&EMCI | SUCOFLEX 104&<br>EMC104-SM-SM8000 | CABLE-CH9-02<br>(248780+171006) | 2025/1/5           | 2026/1/4            |
| Signal & Spectrum Analyzer<br>R&S     | FSW43                             | 101866                          | 2025/3/25          | 2026/3/24           |
| Software<br>BV ADT                    | ADT_Radiated_<br>V7.6.15.9.5      | N/A                             | N/A                | N/A                 |
| Turn Table<br>BV ADT                  | TT100                             | TT93021705                      | N/A                | N/A                 |
| Turn Table Controller<br>BV ADT       | SC100                             | SC93021705                      | N/A                | N/A                 |

**Notes:**

1. The test was performed in HY - 966 chamber 4.
2. Tested Date: 2025/4/1 ~ 2025/4/8

#### 4.8 Frequency Stability

| Description<br>Manufacturer               | Model No.                        | Serial No.        | Calibrated<br>Date | Calibrated<br>Until |
|-------------------------------------------|----------------------------------|-------------------|--------------------|---------------------|
| 3-channel DC power supply<br>OWON         | ODP3033                          | ODP30332128138    | N/A                | N/A                 |
| Digital Multimeter<br>Fluke               | 8050A                            | 4660081           | 2025/6/6           | 2026/6/5            |
| Fixed Attenuator<br>Woken                 | 00800A1K01A-10                   | 00800A1K01A-10-01 | 2025/5/23          | 2026/5/22           |
| PXA Signal Analyzer<br>Keysight           | N9030B                           | MY57140938        | 2025/3/24          | 2026/3/23           |
| Software<br>BV                            | ADT_RF Test Software<br>V7.6.5.4 | N/A               | N/A                | N/A                 |
| Temperature & Humidity Chamber<br>Terchy  | MHU-225AU                        | 920842            | 2024/6/21          | 2025/6/20           |
| UXM 5G Wireless Test Platform<br>Keysight | E7515B                           | MY58300759        | 2024/7/3           | 2025/7/2            |

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2025/6/18

## 5 Limits of Test Items

### 5.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

#### For NR n5 SCS 15 kHz, NR n26 SCS 15 kHz (824 MHz ~ 849 MHz):

The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

#### For NR n2 SCS 15 kHz, NR n25 SCS 15 kHz:

Mobile and portable stations are limited to 2 watts EIRP.

#### For NR n14 SCS 15 kHz:

Portable stations (hand-held devices) transmitting in the 758-768 MHz band and the 788-798 MHz band are limited to 3 watts ERP.

#### For NR n26 SCS 15 kHz (814 MHz ~ 824 MHz):

The maximum output power of the transmitter for mobile stations is 100 watts (20 dBw) ERP.

#### For NR n12 SCS 15 kHz, NR n71 SCS 15 kHz:

Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

#### For NR n13 SCS 15 kHz:

Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP.

#### For NR n66 SCS 15 kHz, NR n70 SCS 15 kHz:

Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP.

#### For NR n30 SCS 15 kHz:

For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz of authorized bandwidth but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth.

#### For NR n7 SCS 15 kHz, NR n38 SCS 30 kHz, NR n41 SCS 30 kHz:

Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

#### For NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz):

Mobile and portable stations are limited to 1 Watt EIRP.

#### For NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz):

Mobile devices are limited to 1Watt (30 dBm) EIRP.

### 5.2 Modulation Characteristics

A curve or equivalent data which shows that the equipment will meet the modulation requirements of the rules under which the equipment is to be licensed.

### 5.3 Peak to Average Ratio

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.

### 5.4 Bandwidth

According to FCC 47 CFR part 2.1049, the occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5% of the total mean power radiated by a given emission.

## 5.5 Conducted Spurious Emissions

### For NR n2 SCS 15 kHz, NR n5 SCS 15 kHz, NR n25 SCS 15 kHz, NR n26 SCS 15 kHz (824 MHz ~ 849 MHz):

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  $-13$  dBm.

### For NR n14 SCS 15 kHz:

According to FCC 47 CFR part 90.543 (e), for operations in the 758-768 MHz and the 788-798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

- (1) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than  $65 + 10 \log(P)$  dB in a 6.25 kHz band segment, for mobile and portable stations.
- (2) On any frequency between 775-788 MHz, above 805 MHz, and below 758 MHz, by at least  $43 + 10 \log(P)$  dB.

According to FCC 47 CFR part 90.543 (f), for operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in the band 1559-1610 MHz shall be limited to  $-70$  dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and  $-80$  dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

### For NR n26 SCS 15 kHz (814 MHz ~ 824 MHz):

According to FCC 47 CFR part 90.691 shall be tested the emission masks. For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least  $116 \log_{10}(f/6.1)$  decibels or  $50 + 10 \log_{10}(P)$  decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least  $43 + 10 \log_{10}(P)$  decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

For §90.691(a), RBW = 300 Hz for offset less than 37.5 kHz from channel edge and RBW = 100 kHz for offsets greater than 37.5 kHz is allowed.

### For NR n12 SCS 15 kHz, NR n71 SCS 15 kHz:

According to FCC 47 CFR part 27.53(g), for operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least  $43 + 10 \log(P)$  dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

### For NR n13 SCS 15 kHz:

According to FCC 47 CFR part 27.53(c)(2), for on any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least  $43 + 10 \log(P)$  dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

According to FCC 47 CFR part 27.53(c)(4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than  $65 + 10 \log(P)$  dB in a 6.25 kHz band segment, for mobile and portable stations.

For operations in the 775-788 MHz, emissions in the band 1559-1610 MHz shall be limited to  $-70$  dBW/MHz (EIRP). The limit of emissions is equal to  $-40$  dBm.

### For NR n66 SCS 15 kHz, NR n70 SCS 15 kHz:

According to FCC 47 CFR part 27.53(h), for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least  $43 + 10 \log(P)$  dB. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

#### For NR n30 SCS 15 kHz:

According to FCC 47 CFR part 27.53(a)(4), for mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands:

- (i) By a factor of not less than:  $43 + 10 \log (P)$  dB on all frequencies between 2305 MHz and 2320 MHz and on all frequencies between 2345 MHz and 2360 MHz that are outside the licensed band(s) of operation, not less than  $55 + 10 \log (P)$  dB on all frequencies between 2320 MHz and 2324 MHz and on all frequencies between 2341 MHz and 2345 MHz, not less than  $61 + 10 \log (P)$  dB on all frequencies between 2324 MHz and 2328 MHz and on all frequencies between 2337 MHz and 2341 MHz, and not less than  $67 + 10 \log (P)$  dB on all frequencies between 2328 MHz and 2337 MHz;
- (ii) By a factor of not less than  $43 + 10 \log (P)$  dB on all frequencies between 2300 MHz and 2305 MHz,  $55 + 10 \log (P)$  dB on all frequencies between 2296 MHz and 2300 MHz,  $61 + 10 \log (P)$  dB on all frequencies between 2292 MHz and 2296 MHz,  $67 + 10 \log (P)$  dB on all frequencies between 2288 MHz and 2292 MHz, and  $70 + 10 \log (P)$  dB below 2288 MHz;
- (iii) By a factor of not less than  $43 + 10 \log (P)$  dB on all frequencies between 2360 MHz and 2365 MHz, and not less than  $70 + 10 \log (P)$  dB above 2365 MHz.
- (iv) Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the channel blocks at 2305 MHz, 2310 MHz, 2315 MHz, 2320 MHz, 2345 MHz, 2350 MHz, 2355 MHz, and 2360 MHz, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

#### For NR n7 SCS 15 kHz, NR n38 SCS 30 kHz, NR n41 SCS 30 kHz:

According to FCC 47 CFR part 27.53(m)(4) regulations, any transmit power outside of the channel edge must be attenuated below the transmitting power (P) by a factor shall be not less than  $40 + 10 \log (P)$  dB on all frequencies between the channel edge and 5 megahertz from the channel edge,  $43 + 10 \log (P)$  dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and  $55 + 10 \log (P)$  dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth. In addition, the attenuation factor shall not be less than  $43 + 10 \log (P)$  dB on all frequencies between 2490.5 MHz and 2496 MHz and  $55 + 10 \log (P)$  dB at or below 2490.5 MHz. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495-2496 MHz, in which case a resolution bandwidth of at least one percent may be employed.

#### For NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz):

According to FCC 47 CFR part 27.53(l), for mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed  $-13$  dBm/MHz. Compliance with this paragraph (l)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz.

#### For NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz):

According to FCC 47 CFR part 27.53(n), for operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed  $-13$  dBm/MHz. Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz.

Note: This device can be implement MIMO function, so the limit of emission mask / conducted emissions needs to be reduced by  $10 \cdot \log(\text{NumbersAnt})$  according to FCC KDB 662911 D01 guidance.

## 5.6 Radiated Spurious Emissions below 1GHz

### For NR n2 SCS 15 kHz, NR n5 SCS 15 kHz, NR n25 SCS 15 kHz, NR n26 SCS 15 kHz (824 MHz ~ 849 MHz):

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  $-13$  dBm.

### For NR n14 SCS 15 kHz:

According to FCC 47 CFR part 90.543 (e), for operations in the 758-768 MHz and the 788-798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) in watts by at least  $43 + 10 \log(P)$  dB.

### For NR n26 SCS 15 kHz (814 MHz ~ 824 MHz):

For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least  $43 + 10 \log_{10}(P)$  decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

For §90.691(a), RBW = 100 kHz for offset greater than 37.5 kHz from channel edge is allowed.

### For NR n12 SCS 15 kHz, NR n71 SCS 15 kHz:

According to FCC 47 CFR part 27.53(g), for operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least  $43 + 10 \log(P)$  dB. The limit of emissions is equal to  $-13$  dBm.

### For NR n13 SCS 15 kHz:

According to FCC 47 CFR part 27.53(c)(2), for on any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least  $43 + 10 \log(P)$  dB. The limit of emissions is equal to  $-13$  dBm.

### For NR n66 SCS 15 kHz, NR n70 SCS 15 kHz:

According to FCC 47 CFR part 27.53(h), for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least  $43 + 10 \log(P)$  dB. The limit of emission is equal to  $-13$  dBm.

### For NR n30 SCS 15 kHz:

According to FCC 47 CFR part 27.53(a)(4)(ii)(iii), the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least  $70 + 10 \log(P)$  dB. The limit of emission is equal to  $-40$  dBm.

### For NR n7 SCS 15 kHz, NR n38 SCS 30 kHz, NR n41 SCS 30 kHz:

According to FCC 47 CFR part 27.53(m)(4), on any frequency outside a licensee's frequency block, The power of any emission shall be attenuated below the transmitter power (P) by at least  $55 + 10 \log(P)$  dB. The emission limit equal to  $-25$  dBm.

### For NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz):

According to FCC 47 CFR part 27.53(l), for mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed  $-13$  dBm/MHz.

### For NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz):

According to FCC 47 CFR part 27.53(n), for operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed  $-13$  dBm/MHz.

## 5.7 Radiated Spurious Emissions above 1GHz

### For NR n2 SCS 15 kHz, NR n5 SCS 15 kHz, NR n25 SCS 15 kHz, NR n26 SCS 15 kHz (824 MHz ~ 849 MHz):

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  $-13$  dBm.

### For NR n14 SCS 15 kHz:

According to FCC 47 CFR part 90.543 (e), for operations in the 758-768 MHz and the 788-798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) in watts by at least  $43 + 10 \log(P)$  dB.

According to FCC 47 CFR part 90.543 (f), for operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in the band 1559-1610 MHz shall be limited to  $-70$  dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and  $-80$  dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

### For NR n26 SCS 15 kHz (814 MHz ~ 824 MHz):

For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least  $43 + 10 \log_{10}(P)$  decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

For §90.691(a), RBW = 100 kHz for offset greater than 37.5 kHz from channel edge is allowed.

### For NR n12 SCS 15 kHz, NR n71 SCS 15 kHz:

According to FCC 47 CFR part 27.53(g), for operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least  $43 + 10 \log(P)$  dB. The limit of emissions is equal to  $-13$  dBm.

### For NR n13 SCS 15 kHz:

According to FCC 47 CFR part 27.53(c)(2), for on any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least  $43 + 10 \log(P)$  dB. The limit of emissions is equal to  $-13$  dBm.

For operations in the 775-788 MHz, emissions in the band 1559-1610 MHz shall be limited to  $-70$  dBW/MHz (EIRP). The limit of emissions is equal to  $-40$  dBm.

### For NR n66 SCS 15 kHz, NR n70 SCS 15 kHz:

According to FCC 47 CFR part 27.53(h), for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least  $43 + 10 \log(P)$  dB. The limit of emission is equal to  $-13$  dBm.

### For NR n30 SCS 15 kHz:

According to FCC 47 CFR part 27.53(a)(4)(ii)(iii), the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least  $70 + 10 \log(P)$  dB. The limit of emission is equal to  $-40$  dBm.

### For NR n7 SCS 15 kHz, NR n38 SCS 30 kHz, NR n41 SCS 30 kHz:

According to FCC 47 CFR part 27.53(m)(4), on any frequency outside a licensee's frequency block, The power of any emission shall be attenuated below the transmitter power (P) by at least  $55 + 10 \log(P)$  dB. The emission limit equal to  $-25$  dBm.

### For NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz):

According to FCC 47 CFR part 27.53(l), for mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed  $-13$  dBm/MHz.

### For NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz):

According to FCC 47 CFR part 27.53(n), for operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed  $-13$  dBm/MHz.

## 5.8 Frequency Stability

**For NR n5 SCS 15 kHz, NR n26 SCS 15 kHz (814 MHz ~ 824 MHz), NR n26 SCS 15 kHz (824 MHz ~ 849 MHz):**

1.5 ppm is for base and fixed station. 2.5 ppm is for mobile station.

**For NR n2 SCS 15 kHz, NR n7 SCS 15 kHz, NR n12 SCS 15 kHz, NR n13 SCS 15 kHz, NR n25 SCS 15 kHz, NR n30 SCS 15 kHz, NR n38 SCS 30 kHz, NR n41 SCS 30 kHz, NR n66 SCS 15 kHz, NR n70 SCS 15 kHz, NR n71 SCS 15 kHz, NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz):**

The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation (authorized frequency block).

**For NR n14 SCS 15 kHz:**

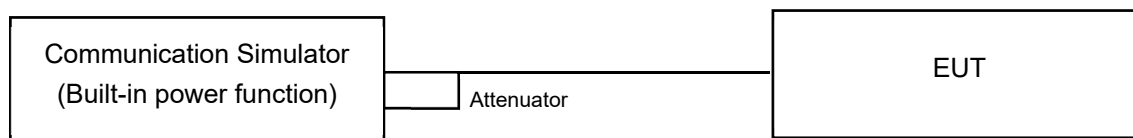
The frequency stability of mobile, portable and control transmitters operating in the wideband segment must be 1.25 parts per million or better when AFC is locked to a base station, and 5 parts per million or better when AFC is not locked.

## 6 Test Arrangements

### 6.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

#### 6.1.1 Test Setup

##### Conducted Power Measurement:



#### 6.1.2 Test Procedure

##### Conducted Power Measurement:

The EUT is configured by emulator to set data modulation and maximum power using WWAN technology. The average (rms) power measurement was performed on emulator and power value was measured from power function on emulator. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator. The EUT is configured by emulator to set data modulation and maximum power using WWAN technology and link to spectrum analyzer measurements. Set the EUT to transmit under low, middle and high channel and record the power level shown on spectrum analyzer. Power measurements use detector average (rms).

Measurement method refers to ANSI C63.26 section 5.2.4.4.

- Set span to 2 × to 3 × the OBW.
- Set RBW = 1% to 5% of the OBW.
- Set VBW ≥ 3 × RBW.
- Set number of measurement points in sweep ≥ 2 × span / RBW.
- Set Sweep time = auto-couple.
- Detector = power averaging (rms).
- Set sweep trigger to “free run.”
- Trace average at least 100 traces in power averaging (rms) mode.
- Use the Band/Channel Power function to determine the integrated power per 5 MHz bandwidth, according to the 47 CFR FCC Part 27 section 27.53(a)(3)(i) standard.
- Compute power by integrating the spectrum across the OBW of the signal using the instrument’s band or channel power measurement function with band/channel limits set equal to the OBW band edges.
- If Duty cycle < 98%, Add 10 log (1/duty cycle) to the measured power level to compute the average power during continuous transmission.

##### Maximum EIRP / ERP

The relevant equation for determining the maximum ERP or EIRP from the measured RF output power is given in Equation as follows:

$$\text{EIRP} = P_{\text{Meas}} + G_T$$

$$\text{ERP} = P_{\text{Meas}} + G_T - 2.15$$

where

ERP or EIRP effective radiated power or equivalent isotropically radiated power, respectively

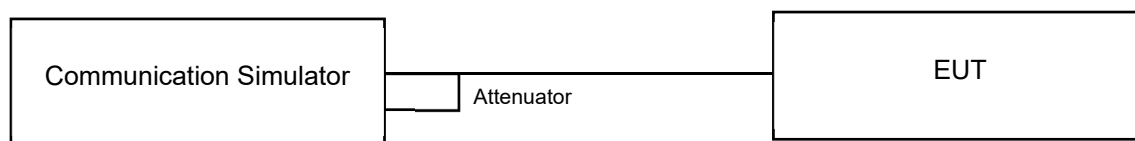
(expressed in the same units as  $P_{\text{Meas}}$ , e.g., dBm or dBW)

$P_{\text{Meas}}$  measured transmitter output power or PSD, in dBm or dBW

$G_T$  gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP)

## 6.2 Modulation Characteristics

### 6.2.1 Test Setup

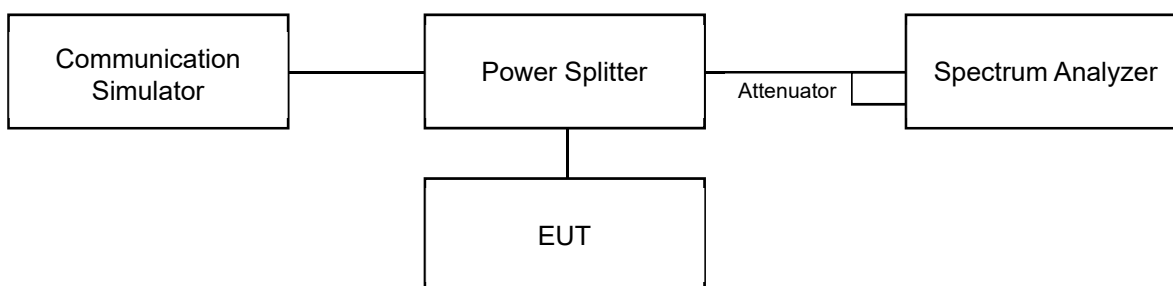


### 6.2.2 Test Procedure

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.

## 6.3 Peak to Average Ratio

### 6.3.1 Test Setup

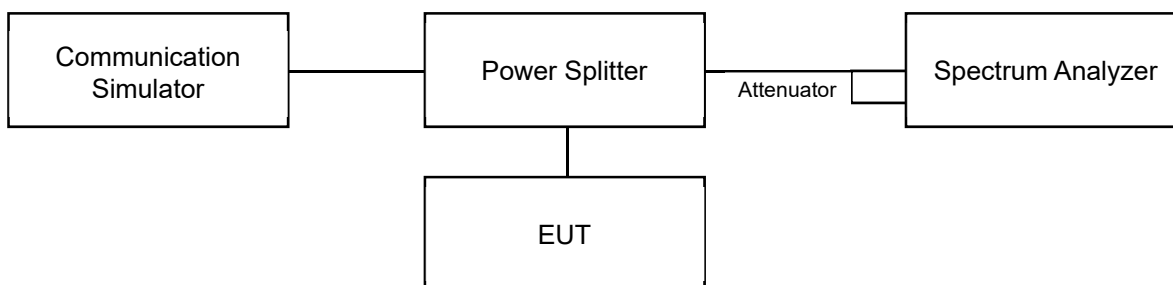


### 6.3.2 Test Procedure

- 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%.

## 6.4 Bandwidth

### 6.4.1 Test Setup



### 6.4.2 Test Procedure

For the 26 dBc bandwidth measurement method, please refer to section 5.4.3 of ANSI C63.26.

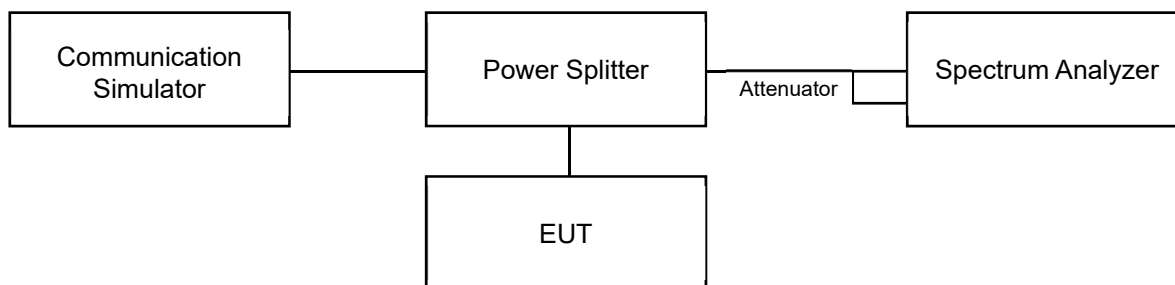
- The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be wide enough to see sufficient roll off of the signal to make the measurement.
- The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set  $\geq 3 \times$  RBW.
- Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation. See guidance provided in 4.2.3.
- The dynamic range of the spectrum analyzer at the selected RBW shall be more than 10 dB below the target “-X dB” requirement, i.e., if the requirement calls for measuring the -26 dB OBW, the spectrum analyzer noise floor at the selected RBW shall be at least 36 dB below the reference level.
- Set spectrum analyzer detection mode to peak, and the trace mode to max hold.
- Determine the following reference values: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace (this is the reference value).
- Determine the “-X dB amplitude” as equal to (Reference Value - X). Alternatively, this calculation can be performed on the spectrum analyzer using the delta-marker measurement function.
- Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “-X dB amplitude” determined in step f). If a marker is below this “-X dB amplitude” value it should be as close as possible to this value. The OBW is the positive frequency difference between the two markers.
- The OBW shall be reported by providing plot(s) of the measuring instrument display, to include markers depicting the relevant frequency and amplitude information (e.g., marker table). The frequency and amplitude axis and scale shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

For the occupied bandwidth measurement method, please refer to section 5.4.4 of ANSI C63.26.

- a. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be wide enough to see sufficient roll off of the signal to make the measurement.
- b. The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set  $\geq 3 \times$  RBW.
- c. Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation. See guidance provided in 4.2.3.
- d. The dynamic range of the spectrum analyzer at the selected RBW shall be more than 10 dB below the target “-X dB” requirement, i.e., if the requirement calls for measuring the -26 dB OBW, the spectrum analyzer noise floor at the selected RBW shall be at least 36 dB below the reference level.
- e. Set spectrum analyzer detection mode to peak, and the trace mode to max hold.
- f. Determine the reference value by either of the following:
  - g. 1) Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace (this is the reference value).
  - h. 2) Set the EUT to transmit an unmodulated carrier. Set the spectrum analyzer marker to the level of the carrier.
- i. Determine the “-X dB amplitude” as equal to (Reference Value - X). Alternatively, this calculation can be performed on the spectrum analyzer using the delta-marker measurement function.
- j. If the reference value was determined using an unmodulated carrier, turn the EUT modulation on, then either clear the existing trace or start a new trace on the spectrum analyzer and allow the new trace to stabilize. Otherwise the trace from step f) shall be used for step i).
- k. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “-X dB amplitude” determined in step f). If a marker is below this “-X dB amplitude” value it should be as close as possible to this value. The OBW is the positive frequency difference between the two markers. The spectral envelope can cross the “-X dB amplitude” at multiple points. The lowest or highest frequency shall be selected as the frequencies that are the farthest away from the center frequency at which the spectral envelope crosses the “-X dB amplitude.”
- l. The OBW shall be reported by providing plot(s) of the measuring instrument display, to include markers depicting the relevant frequency and amplitude information (e.g., marker table). The frequency and amplitude axis and scale shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

## 6.5 Conducted Spurious Emissions

### 6.5.1 Test Setup



### 6.5.2 Test Procedure

- Measurement refer to ANSI C63.26 section 5.7.
- All measurements were done at 3 channels: low, middle and high operational frequency range.
- Measuring frequency range is from 9 kHz up to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower. 20 dB attenuation pad is connected with spectrum.
- The fundamental frequency above 1 GHz, the spectrum set RBW = 1 MHz, VBW = 3 MHz, Detector = Average.
- The fundamental frequency below 1 GHz, the spectrum set RBW  $\geq$  100 kHz, VBW  $\geq$  3 x RBW, Detector = Average.
- Measuring frequency band edge, narrow RBW (no less than 1% of the OBW) is used for conducted emission measurement.
- For the emissions measurement method, certain channel BW modes demonstrate compliance by integrating with the smaller RBW allowed by the rule.  
For example: Where Reference RBW = 1 MHz and a smaller RBW = 100 kHz is used, worst-case integrated BW power = [Max Measured Value (dBm) with RBW = 100 kHz] +  $10 \cdot \log(1000/100)$ . To compensate for this integration before comparison to the value, the adjusted reference level offset was increase by 10 dB accordingly.
- The device has MIMO function, so the limit of conducted spurious emissions need to be measurement add  $10\log(\text{NumbersANT})$  according to FCC KDB 662911 D01 guidance. Therefore, the  $10\log(\text{NumbersANT})$  value is added to the spectrum Ref. level offset during testing. For example, the band edge and conducted spurious emission plots for the MIMO (2TX) WWAN bands show that a reference level offset of 18.01 dB is used (15 dB includes attenuation and cable loss +  $10 \cdot \log(2)$  to account for MIMO WWAN bands reference level =  $15 + 3.01 = 18.01$  dB).
- Record the maximum power value test plot.

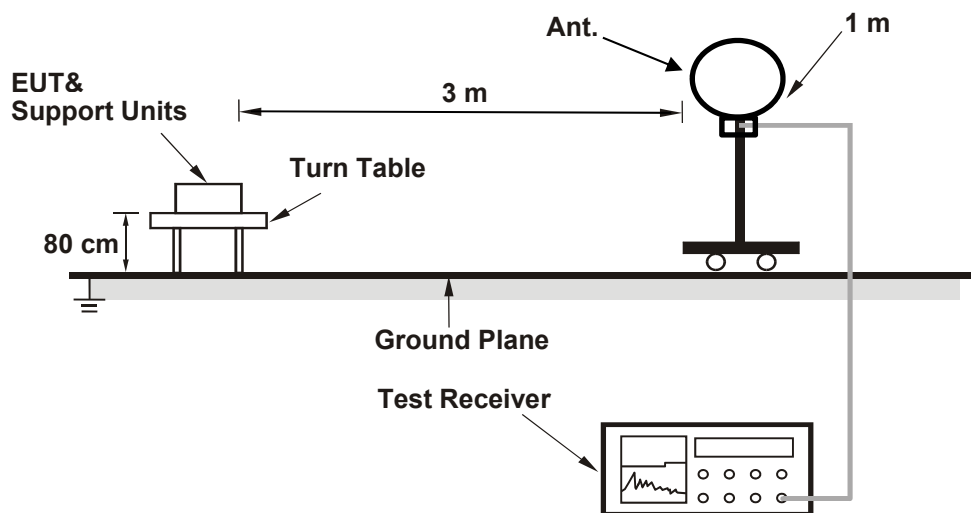
#### For Emission Mask:

- Measurement refer to ANSI C63.26 section 5.7.
- All measurements were done at 2 channels: low and high operational frequency range.
- Accoding to FCC 47 CFR part 90.691(a), the spectrum set RBW = 300 Hz for offset less than 37.5 kHz from channel edge and RBW = 100 kHz for offsets greater than 37.5 kHz is allowed.
- For the emissions measurement method, certain channel BW modes demonstrate compliance by integrating with the smaller RBW allowed by the rule.  
For example: Where Reference RBW = 1 MHz and a smaller RBW = 100 kHz is used, worst-case integrated BW power = [Max Measured Value (dBm) with RBW = 100 kHz] +  $10 \cdot \log(1000/100)$ . To compensate for this integration before comparison to the value, the adjusted reference level offset was increase by 10 dB accordingly.
- The device has MIMO function, so the limit of conducted spurious emissions need to be measurement add  $10\log(\text{NumbersANT})$  according to FCC KDB 662911 D01 guidance. Therefore, the  $10\log(\text{NumbersANT})$  value is added to the spectrum Ref. level offset during testing. For example, the band edge and conducted spurious emission plots for the MIMO (2TX) WWAN bands show that a reference level offset of 18.01 dB is used (15 dB includes attenuation and cable loss +  $10 \cdot \log(2)$  to account for MIMO WWAN bands reference level =  $15 + 3.01 = 18.01$  dB).
- Record the maximum power value test plot.

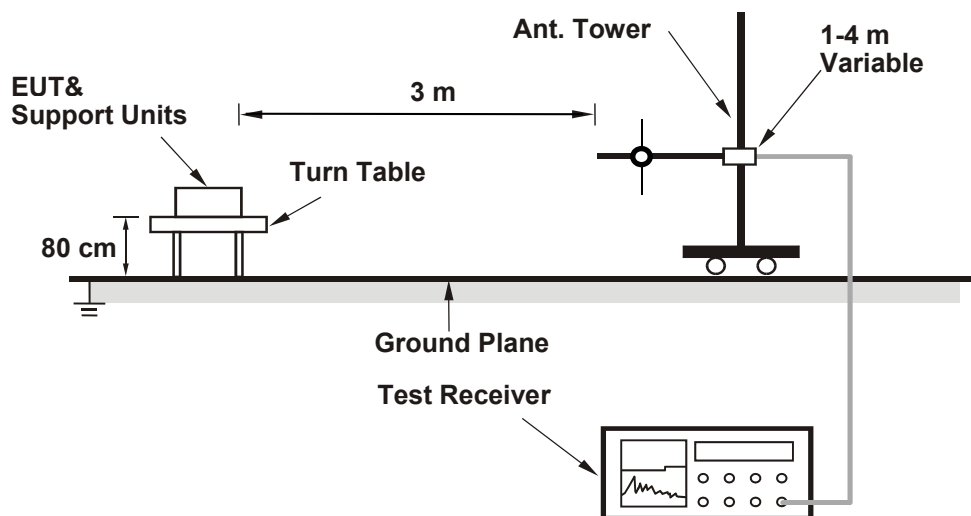
## 6.6 Radiated Spurious Emissions below 1GHz

### 6.6.1 Test Setup

#### For Radiated emission below 30 MHz



#### For Radiated emission above 30 MHz



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

## 6.6.2 Test Procedure

The EUT is configured to set data modulation and maximum power using WWAN technology.

- a. In the semi-anechoic chamber, EUT placed on the 0.8 m (below or equal 1 GHz) height of turn table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- b. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- c. Perform a field strength measurement and record the worse read value, is the field strength value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor and then mathematically convert the measured field strength level to EIRP/ERP level.
- d. Following ANSI C63.26 section 5.5 and 5.2.7
- e.  $EIRP (dBm) = E (dB\mu V/m) + 20\log(D) - 104.8$ ; where D is the measurement distance (in the far field region) in m.
- f.  $ERP (dBm) = E (dB\mu V/m) + 20\log(D) - 104.8 - 2.15$ ; where D is the measurement distance (in the far field region) in m.

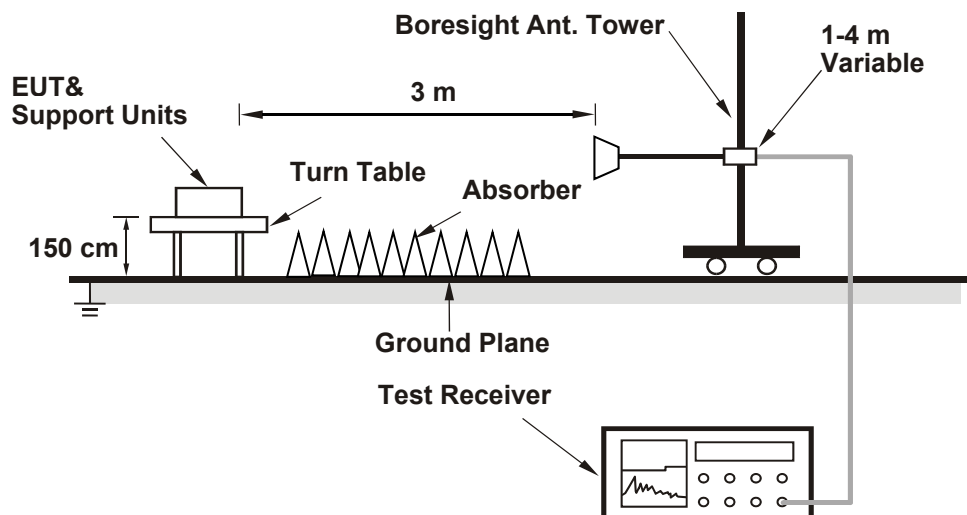
### Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz/3 MHz. Set detector = average.
2. The amplitude of spurious emissions in the range 9 kHz to 30 MHz which are attenuated more than 20 dB below the permissible value need not be reported.

## 6.7 Radiated Spurious Emissions above 1GHz

### 6.7.1 Test Setup

For radiated emission above 1 GHz



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

### 6.7.2 Test Procedure

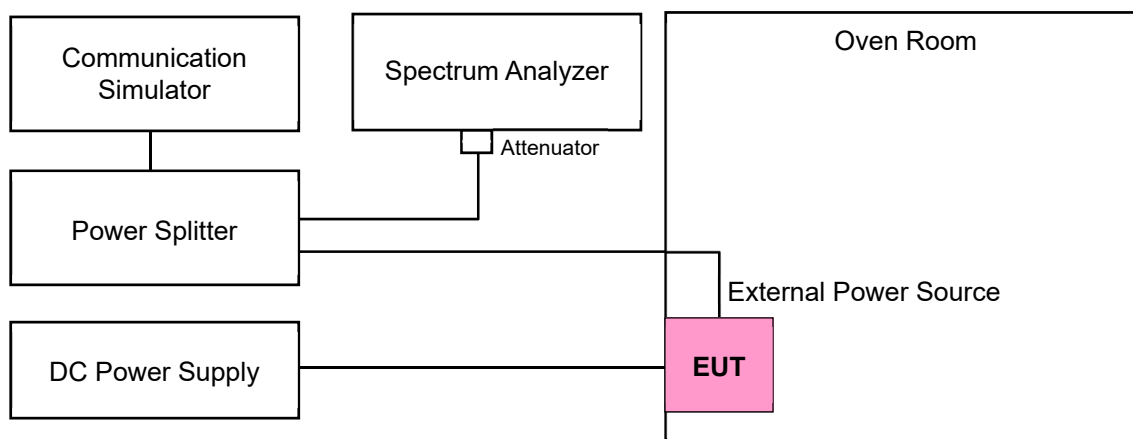
The EUT is configured to set data modulation and maximum power using WWAN technology.

- In the semi-anechoic chamber, EUT placed on the 1.5 m height of turn table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- Perform a field strength measurement and record the worse read value, is the field strength value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor and then mathematically convert the measured field strength level to EIRP/ERP level.
- Following ANSI C63.26 section 5.5 and 5.2.7
- $EIRP \text{ (dBm)} = E \text{ (dB}\mu\text{V/m)} + 20\log(D) - 104.8$ ; where D is the measurement distance (in the far field region) in m.
- $ERP \text{ (dBm)} = E \text{ (dB}\mu\text{V/m)} + 20\log(D) - 104.8 - 2.15$ ; where D is the measurement distance (in the far field region) in m.

Note: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz/3 MHz. Set detector = average.

## 6.8 Frequency Stability

### 6.8.1 Test Setup



### 6.8.2 Test Procedure

The EUT is configured by emulator to set data modulation and maximum power using WWAN technology.

- 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.

## 7 Test Results of Test Item

### 7.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

|              |          |                           |              |            |               |
|--------------|----------|---------------------------|--------------|------------|---------------|
| Input Power: | 3.85 Vdc | Environmental Conditions: | 23°C, 62% RH | Tested By: | Charles Hsiao |
|--------------|----------|---------------------------|--------------|------------|---------------|

#### 7.1.1 NR n2 SCS 15 kHz

#### NR n2 SCS 15 kHz, Channel Bandwidth: 5 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |            |
|------------|---------|-----------|-----------------------------------|-----------|------------|
|            |         |           | CH 370500                         | CH 376000 | CH 381500  |
|            |         |           | 1852.5 MHz                        | 1880 MHz  | 1907.5 MHz |
| BPSK       | 1       | 1         | 24.83                             | 24.73     | 24.57      |
|            | 1       | 0         | 24.49                             | 24.45     | 24.45      |
| QPSK       | 1       | 1         | 24.88                             | 24.72     | 24.75      |
|            | 1       | 0         | 23.99                             | 24.01     | 23.78      |
|            | 1       | 13        | 24.83                             | 24.72     | 24.59      |
|            | 1       | 23        | 24.77                             | 24.63     | 24.6       |
|            | 1       | 24        | 24.81                             | 24.58     | 24.64      |
|            | 12      | 0         | 23.95                             | 24.04     | 23.87      |
|            | 12      | 7         | 24.86                             | 24.74     | 24.77      |
|            | 12      | 13        | 24.03                             | 23.95     | 23.86      |
|            | 25      | 0         | 23.8                              | 23.85     | 23.78      |
| 16QAM      | 1       | 0         | 23.16                             | 23.08     | 23.04      |
| 64QAM      | 1       | 0         | 22.6                              | 22.53     | 22.38      |
| 256QAM     | 1       | 0         | 20.53                             | 20.52     | 20.38      |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 24.45                     | 24.83                     | 26.93              | 27.31              | 33.01            |
| QPSK         | 23.78                     | 24.88                     | 26.26              | 27.36              | 33.01            |
| 16QAM        | 23.04                     | 23.16                     | 25.52              | 25.64              | 33.01            |
| 64QAM        | 22.38                     | 22.60                     | 24.86              | 25.08              | 33.01            |
| 256QAM       | 20.38                     | 20.53                     | 22.86              | 23.01              | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

# NR n2 SCS 15 kHz, Channel Bandwidth: 10 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |           |
|------------|---------|-----------|-----------------------------------|-----------|-----------|
|            |         |           | CH 371000                         | CH 376000 | CH 381000 |
|            |         |           | 1855 MHz                          | 1880 MHz  | 1905 MHz  |
| BPSK       | 1       | 1         | 24.86                             | 24.8      | 24.6      |
|            | 1       | 0         | 24.56                             | 24.52     | 24.47     |
| QPSK       | 1       | 1         | 24.94                             | 24.79     | 24.78     |
|            | 1       | 0         | 24.07                             | 24.07     | 23.87     |
|            | 1       | 26        | 24.93                             | 24.72     | 24.65     |
|            | 1       | 49        | 24.78                             | 24.73     | 24.65     |
|            | 1       | 51        | 24.88                             | 24.68     | 24.65     |
|            | 25      | 0         | 24.03                             | 24.04     | 23.95     |
|            | 25      | 14        | 24.91                             | 24.8      | 24.79     |
|            | 25      | 27        | 24.06                             | 23.99     | 23.96     |
|            | 50      | 0         | 24                                | 24.06     | 24.06     |
|            | 52      | 0         | 23.88                             | 23.88     | 23.78     |
| 16QAM      | 1       | 0         | 23.16                             | 23.08     | 23.05     |
| 64QAM      | 1       | 0         | 22.62                             | 22.63     | 22.46     |
| 256QAM     | 1       | 0         | 20.58                             | 20.57     | 20.42     |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 24.47                     | 24.86                     | 26.95              | 27.34              | 33.01            |
| QPSK         | 23.78                     | 24.94                     | 26.26              | 27.42              | 33.01            |
| 16QAM        | 23.05                     | 23.16                     | 25.53              | 25.64              | 33.01            |
| 64QAM        | 22.46                     | 22.63                     | 24.94              | 25.11              | 33.01            |
| 256QAM       | 20.42                     | 20.58                     | 22.90              | 23.06              | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

# NR n2 SCS 15 kHz, Channel Bandwidth: 15 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |            |
|------------|---------|-----------|-----------------------------------|-----------|------------|
|            |         |           | CH 371500                         | CH 376000 | CH 380500  |
|            |         |           | 1857.5 MHz                        | 1880 MHz  | 1902.5 MHz |
| BPSK       | 1       | 1         | 24.9                              | 24.84     | 24.68      |
|            | 1       | 0         | 24.61                             | 24.53     | 24.48      |
| QPSK       | 1       | 1         | 24.98                             | 24.83     | 24.82      |
|            | 1       | 0         | 24.09                             | 24.07     | 23.94      |
|            | 1       | 40        | 24.97                             | 24.81     | 24.73      |
|            | 1       | 74        | 24.88                             | 24.79     | 24.71      |
|            | 1       | 78        | 24.91                             | 24.76     | 24.73      |
|            | 36      | 0         | 24.11                             | 24.11     | 24.02      |
|            | 36      | 22        | 24.92                             | 24.81     | 24.83      |
|            | 36      | 43        | 24.07                             | 24.09     | 24.03      |
|            | 75      | 0         | 24.03                             | 24.06     | 24.08      |
|            | 79      | 0         | 23.98                             | 23.98     | 23.86      |
| 16QAM      | 1       | 0         | 23.21                             | 23.17     | 23.12      |
| 64QAM      | 1       | 0         | 22.7                              | 22.68     | 22.51      |
| 256QAM     | 1       | 0         | 20.64                             | 20.61     | 20.52      |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 24.48                     | 24.90                     | 26.96              | 27.38              | 33.01            |
| QPSK         | 23.86                     | 24.98                     | 26.34              | 27.46              | 33.01            |
| 16QAM        | 23.12                     | 23.21                     | 25.60              | 25.69              | 33.01            |
| 64QAM        | 22.51                     | 22.70                     | 24.99              | 25.18              | 33.01            |
| 256QAM       | 20.52                     | 20.64                     | 23.00              | 23.12              | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

# NR n2 SCS 15 kHz, Channel Bandwidth: 20 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |          |
|------------|---------|-----------|-----------------------------------|-----------|----------|
|            |         |           | CH 372000                         | CH 376000 | CH 38000 |
|            |         |           | 1860 MHz                          | 1880 MHz  | 1900 MHz |
| BPSK       | 1       | 1         | 24.98                             | 24.86     | 24.78    |
|            | 1       | 0         | 24.63                             | 24.56     | 24.51    |
| QPSK       | 1       | 1         | 25.02                             | 24.91     | 24.85    |
|            | 1       | 0         | 24.16                             | 24.09     | 23.99    |
|            | 1       | 53        | 24.98                             | 24.88     | 24.79    |
|            | 1       | 99        | 24.95                             | 24.88     | 24.8     |
|            | 1       | 105       | 24.91                             | 24.81     | 24.78    |
|            | 50      | 0         | 24.19                             | 24.18     | 24.11    |
|            | 50      | 28        | 24.95                             | 24.91     | 24.86    |
|            | 50      | 56        | 24.15                             | 24.14     | 24.05    |
|            | 100     | 0         | 24.12                             | 24.09     | 24.08    |
|            | 106     | 0         | 24.08                             | 24.01     | 23.92    |
| 16QAM      | 1       | 0         | 23.22                             | 23.17     | 23.16    |
| 64QAM      | 1       | 0         | 22.78                             | 22.68     | 22.6     |
| 256QAM     | 1       | 0         | 20.69                             | 20.66     | 20.56    |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 24.51                     | 24.98                     | 26.99              | 27.46              | 33.01            |
| QPSK         | 23.92                     | 25.02                     | 26.40              | 27.50              | 33.01            |
| 16QAM        | 23.16                     | 23.22                     | 25.64              | 25.70              | 33.01            |
| 64QAM        | 22.60                     | 22.78                     | 25.08              | 25.26              | 33.01            |
| 256QAM       | 20.56                     | 20.69                     | 23.04              | 23.17              | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

### 7.1.2 NR n5 SCS 15 kHz

#### NR n5 SCS 15 kHz, Channel Bandwidth: 5 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |           |
|------------|---------|-----------|-----------------------------------|-----------|-----------|
|            |         |           | CH 165300                         | CH 167300 | CH 169300 |
|            |         |           | 826.5 MHz                         | 836.5 MHz | 846.5 MHz |
| BPSK       | 1       | 1         | 24.9                              | 24.83     | 24.82     |
|            | 1       | 0         | 24.55                             | 24.58     | 24.57     |
| QPSK       | 1       | 1         | 24.99                             | 24.88     | 24.82     |
|            | 1       | 0         | 24.06                             | 24.03     | 23.96     |
|            | 1       | 13        | 24.98                             | 24.9      | 24.92     |
|            | 1       | 23        | 24.88                             | 24.9      | 24.93     |
|            | 1       | 24        | 24.85                             | 24.78     | 24.69     |
|            | 12      | 0         | 23.93                             | 23.88     | 23.72     |
|            | 12      | 7         | 24.84                             | 24.8      | 24.86     |
|            | 12      | 13        | 23.78                             | 23.71     | 23.66     |
|            | 25      | 0         | 23.8                              | 23.68     | 23.65     |
| 16QAM      | 1       | 0         | 22.96                             | 22.92     | 22.84     |
| 64QAM      | 1       | 0         | 22.68                             | 22.6      | 22.41     |
| 256QAM     | 1       | 0         | 20.59                             | 20.61     | 20.48     |

| Output Power |                           |                           |                   |                   |                 |
|--------------|---------------------------|---------------------------|-------------------|-------------------|-----------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum ERP (dBm) | Maximum ERP (dBm) | ERP Limit (dBm) |
| BPSK         | 24.55                     | 24.90                     | 20.55             | 20.90             | 38.45           |
| QPSK         | 23.65                     | 24.99                     | 19.65             | 20.99             | 38.45           |
| 16QAM        | 22.84                     | 22.96                     | 18.84             | 18.96             | 38.45           |
| 64QAM        | 22.41                     | 22.68                     | 18.41             | 18.68             | 38.45           |
| 256QAM       | 20.48                     | 20.61                     | 16.48             | 16.61             | 38.45           |

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

# NR n5 SCS 15 kHz, Channel Bandwidth: 10 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |           |
|------------|---------|-----------|-----------------------------------|-----------|-----------|
|            |         |           | CH 165800                         | CH 167300 | CH 168800 |
|            |         |           | 829 MHz                           | 836.5 MHz | 844 MHz   |
| BPSK       | 1       | 1         | 24.99                             | 24.9      | 24.83     |
|            | 1       | 0         | 24.58                             | 24.58     | 24.58     |
| QPSK       | 1       | 1         | 25.08                             | 24.96     | 24.91     |
|            | 1       | 0         | 24.13                             | 24.11     | 23.99     |
|            | 1       | 26        | 25.08                             | 24.9      | 24.94     |
|            | 1       | 50        | 24.97                             | 24.95     | 25.01     |
|            | 1       | 51        | 24.92                             | 24.81     | 24.75     |
|            | 25      | 0         | 23.93                             | 23.9      | 23.77     |
|            | 25      | 14        | 24.94                             | 24.82     | 24.92     |
|            | 25      | 27        | 23.79                             | 23.81     | 23.73     |
|            | 50      | 0         | 23.89                             | 23.7      | 23.74     |
|            | 52      | 0         | 23.83                             | 23.76     | 23.67     |
| 16QAM      | 1       | 0         | 23.01                             | 22.99     | 22.94     |
| 64QAM      | 1       | 0         | 22.68                             | 22.69     | 22.47     |
| 256QAM     | 1       | 0         | 20.67                             | 20.64     | 20.52     |

| Output Power |                           |                           |                   |                   |                 |
|--------------|---------------------------|---------------------------|-------------------|-------------------|-----------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum ERP (dBm) | Maximum ERP (dBm) | ERP Limit (dBm) |
| BPSK         | 24.58                     | 24.99                     | 20.58             | 20.99             | 38.45           |
| QPSK         | 23.67                     | 25.08                     | 19.67             | 21.08             | 38.45           |
| 16QAM        | 22.94                     | 23.01                     | 18.94             | 19.01             | 38.45           |
| 64QAM        | 22.47                     | 22.69                     | 18.47             | 18.69             | 38.45           |
| 256QAM       | 20.52                     | 20.67                     | 16.52             | 16.67             | 38.45           |

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

# NR n5 SCS 15 kHz, Channel Bandwidth: 15 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |           |
|------------|---------|-----------|-----------------------------------|-----------|-----------|
|            |         |           | CH 166300                         | CH 167300 | CH 168300 |
|            |         |           | 831.5 MHz                         | 836.5 MHz | 841.5 MHz |
| BPSK       | 1       | 1         | 25.03                             | 24.94     | 24.89     |
|            | 1       | 0         | 24.68                             | 24.64     | 24.58     |
| QPSK       | 1       | 1         | 25.11                             | 25.06     | 24.97     |
|            | 1       | 0         | 24.22                             | 24.13     | 24.03     |
|            | 1       | 40        | 25.09                             | 24.97     | 24.94     |
|            | 1       | 77        | 25.06                             | 25.03     | 25.04     |
|            | 1       | 78        | 24.95                             | 24.9      | 24.83     |
|            | 36      | 0         | 23.97                             | 23.94     | 23.82     |
|            | 36      | 22        | 24.96                             | 24.92     | 24.95     |
|            | 36      | 43        | 23.89                             | 23.9      | 23.75     |
|            | 75      | 0         | 23.9                              | 23.74     | 23.81     |
|            | 79      | 0         | 23.84                             | 23.82     | 23.67     |
| 16QAM      | 1       | 0         | 23.11                             | 23.05     | 22.97     |
| 64QAM      | 1       | 0         | 22.68                             | 22.69     | 22.54     |
| 256QAM     | 1       | 0         | 20.76                             | 20.68     | 20.6      |

| Output Power |                           |                           |                   |                   |                 |
|--------------|---------------------------|---------------------------|-------------------|-------------------|-----------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum ERP (dBm) | Maximum ERP (dBm) | ERP Limit (dBm) |
| BPSK         | 24.58                     | 25.03                     | 20.58             | 21.03             | 38.45           |
| QPSK         | 23.67                     | 25.11                     | 19.67             | 21.11             | 38.45           |
| 16QAM        | 22.97                     | 23.11                     | 18.97             | 19.11             | 38.45           |
| 64QAM        | 22.54                     | 22.69                     | 18.54             | 18.69             | 38.45           |
| 256QAM       | 20.60                     | 20.76                     | 16.60             | 16.76             | 38.45           |

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

# NR n5 SCS 15 kHz, Channel Bandwidth: 20 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |           |
|------------|---------|-----------|-----------------------------------|-----------|-----------|
|            |         |           | CH 166800                         | CH 167300 | CH 167800 |
|            |         |           | 834 MHz                           | 836.5 MHz | 839 MHz   |
| BPSK       | 1       | 1         | 25.05                             | 25.01     | 24.96     |
|            | 1       | 0         | 24.75                             | 24.7      | 24.65     |
| QPSK       | 1       | 1         | 25.14                             | 25.08     | 25.02     |
|            | 1       | 0         | 24.22                             | 24.18     | 24.08     |
|            | 1       | 53        | 25.11                             | 25.06     | 24.97     |
|            | 1       | 104       | 25.08                             | 25.08     | 25.05     |
|            | 1       | 105       | 25.03                             | 24.96     | 24.87     |
|            | 50      | 0         | 24.03                             | 23.97     | 23.89     |
|            | 50      | 28        | 25.05                             | 25.01     | 24.98     |
|            | 50      | 56        | 23.98                             | 23.91     | 23.82     |
|            | 100     | 0         | 23.94                             | 23.84     | 23.81     |
|            | 106     | 0         | 23.91                             | 23.84     | 23.77     |
| 16QAM      | 1       | 0         | 23.15                             | 23.05     | 23.01     |
| 64QAM      | 1       | 0         | 22.76                             | 22.72     | 22.64     |
| 256QAM     | 1       | 0         | 20.81                             | 20.72     | 20.7      |

| Output Power |                           |                           |                   |                   |                 |
|--------------|---------------------------|---------------------------|-------------------|-------------------|-----------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum ERP (dBm) | Maximum ERP (dBm) | ERP Limit (dBm) |
| BPSK         | 24.65                     | 25.05                     | 20.65             | 21.05             | 38.45           |
| QPSK         | 23.77                     | 25.14                     | 19.77             | 21.14             | 38.45           |
| 16QAM        | 23.01                     | 23.15                     | 19.01             | 19.15             | 38.45           |
| 64QAM        | 22.64                     | 22.76                     | 18.64             | 18.76             | 38.45           |
| 256QAM       | 20.70                     | 20.81                     | 16.70             | 16.81             | 38.45           |

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

### 7.1.3 NR n7 SCS 15 kHz

#### NR n7 SCS 15 kHz, Channel Bandwidth: 5 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |            |
|------------|---------|-----------|-----------------------------------|-----------|------------|
|            |         |           | CH 500500                         | CH 507000 | CH 513500  |
|            |         |           | 2502.5 MHz                        | 2535 MHz  | 2567.5 MHz |
| BPSK       | 1       | 1         | 25.16                             | 24.86     | 24.77      |
|            | 1       | 0         | 24.91                             | 24.71     | 24.62      |
| QPSK       | 1       | 1         | 25.28                             | 25.03     | 24.81      |
|            | 1       | 0         | 24.38                             | 24.14     | 24.09      |
|            | 1       | 13        | 25.17                             | 25.18     | 24.98      |
|            | 1       | 23        | 25.07                             | 25.13     | 24.98      |
|            | 1       | 24        | 25.24                             | 25.08     | 25.09      |
|            | 12      | 0         | 24.21                             | 24.15     | 24.09      |
|            | 12      | 7         | 25.17                             | 25.09     | 25.04      |
|            | 12      | 13        | 24.22                             | 24.11     | 24.11      |
|            | 25      | 0         | 24.2                              | 24.1      | 23.95      |
| 16QAM      | 1       | 0         | 23.18                             | 22.95     | 22.97      |
| 64QAM      | 1       | 0         | 22.8                              | 22.62     | 22.6       |
| 256QAM     | 1       | 0         | 20.84                             | 20.73     | 20.63      |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 24.62                     | 25.16                     | 28.36              | 28.90              | 33.01            |
| QPSK         | 23.95                     | 25.28                     | 27.69              | 29.02              | 33.01            |
| 16QAM        | 22.95                     | 23.18                     | 26.69              | 26.92              | 33.01            |
| 64QAM        | 22.60                     | 22.80                     | 26.34              | 26.54              | 33.01            |
| 256QAM       | 20.63                     | 20.84                     | 24.37              | 24.58              | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

# NR n7 SCS 15 kHz, Channel Bandwidth: 10 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |           |
|------------|---------|-----------|-----------------------------------|-----------|-----------|
|            |         |           | CH 501000                         | CH 507000 | CH 513000 |
|            |         |           | 2505 MHz                          | 2535 MHz  | 2565 MHz  |
| BPSK       | 1       | 1         | 25.22                             | 24.96     | 24.84     |
|            | 1       | 0         | 24.95                             | 24.71     | 24.63     |
| QPSK       | 1       | 1         | 25.32                             | 25.08     | 24.91     |
|            | 1       | 0         | 24.42                             | 24.17     | 24.16     |
|            | 1       | 26        | 25.25                             | 25.19     | 25.06     |
|            | 1       | 50        | 25.17                             | 25.18     | 25.04     |
|            | 1       | 51        | 25.24                             | 25.1      | 25.1      |
|            | 25      | 0         | 24.31                             | 24.25     | 24.09     |
|            | 25      | 14        | 25.25                             | 25.09     | 25.06     |
|            | 25      | 27        | 24.26                             | 24.18     | 24.12     |
|            | 50      | 0         | 24.16                             | 24.19     | 24.1      |
|            | 52      | 0         | 24.27                             | 24.11     | 23.99     |
| 16QAM      | 1       | 0         | 23.25                             | 23        | 23.06     |
| 64QAM      | 1       | 0         | 22.85                             | 22.69     | 22.61     |
| 256QAM     | 1       | 0         | 20.89                             | 20.78     | 20.63     |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 24.63                     | 25.22                     | 28.37              | 28.96              | 33.01            |
| QPSK         | 23.99                     | 25.32                     | 27.73              | 29.06              | 33.01            |
| 16QAM        | 23.00                     | 23.25                     | 26.74              | 26.99              | 33.01            |
| 64QAM        | 22.61                     | 22.85                     | 26.35              | 26.59              | 33.01            |
| 256QAM       | 20.63                     | 20.89                     | 24.37              | 24.63              | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

# NR n7 SCS 15 kHz, Channel Bandwidth: 15 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |            |
|------------|---------|-----------|-----------------------------------|-----------|------------|
|            |         |           | CH 501500                         | CH 507000 | CH 512500  |
|            |         |           | 2507.5 MHz                        | 2535 MHz  | 2562.5 MHz |
| BPSK       | 1       | 1         | 25.27                             | 24.97     | 24.89      |
|            | 1       | 0         | 24.99                             | 24.75     | 24.66      |
| QPSK       | 1       | 1         | 25.39                             | 25.09     | 24.96      |
|            | 1       | 0         | 24.44                             | 24.19     | 24.17      |
|            | 1       | 40        | 25.3                              | 25.2      | 25.13      |
|            | 1       | 77        | 25.26                             | 25.25     | 25.12      |
|            | 1       | 78        | 25.25                             | 25.14     | 25.11      |
|            | 36      | 0         | 24.41                             | 24.27     | 24.14      |
|            | 36      | 22        | 25.27                             | 25.14     | 25.15      |
|            | 36      | 43        | 24.32                             | 24.25     | 24.14      |
|            | 75      | 0         | 24.26                             | 24.21     | 24.2       |
|            | 79      | 0         | 24.32                             | 24.19     | 24.09      |
| 16QAM      | 1       | 0         | 23.34                             | 23.1      | 23.11      |
| 64QAM      | 1       | 0         | 22.87                             | 22.72     | 22.67      |
| 256QAM     | 1       | 0         | 20.9                              | 20.83     | 20.73      |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 24.66                     | 25.27                     | 28.40              | 29.01              | 33.01            |
| QPSK         | 24.09                     | 25.39                     | 27.83              | 29.13              | 33.01            |
| 16QAM        | 23.10                     | 23.34                     | 26.84              | 27.08              | 33.01            |
| 64QAM        | 22.67                     | 22.87                     | 26.41              | 26.61              | 33.01            |
| 256QAM       | 20.73                     | 20.90                     | 24.47              | 24.64              | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

# NR n7 SCS 15 kHz, Channel Bandwidth: 20 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |           |
|------------|---------|-----------|-----------------------------------|-----------|-----------|
|            |         |           | CH 502000                         | CH 507000 | CH 512000 |
|            |         |           | 2510 MHz                          | 2535 MHz  | 2560 MHz  |
| BPSK       | 1       | 1         | 25.33                             | 25.01     | 24.93     |
|            | 1       | 0         | 25.09                             | 24.79     | 24.72     |
| QPSK       | 1       | 1         | 25.43                             | 25.11     | 25.04     |
|            | 1       | 0         | 24.45                             | 24.29     | 24.21     |
|            | 1       | 53        | 25.39                             | 25.28     | 25.19     |
|            | 1       | 104       | 25.36                             | 25.26     | 25.19     |
|            | 1       | 105       | 25.34                             | 25.21     | 25.21     |
|            | 50      | 0         | 24.41                             | 24.27     | 24.17     |
|            | 50      | 28        | 25.36                             | 25.23     | 25.16     |
|            | 50      | 56        | 24.38                             | 24.27     | 24.18     |
|            | 100     | 0         | 24.36                             | 24.26     | 24.26     |
|            | 106     | 0         | 24.33                             | 24.2      | 24.19     |
| 16QAM      | 1       | 0         | 23.35                             | 23.19     | 23.11     |
| 64QAM      | 1       | 0         | 22.89                             | 22.78     | 22.76     |
| 256QAM     | 1       | 0         | 20.93                             | 20.85     | 20.77     |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 24.72                     | 25.33                     | 28.46              | 29.07              | 33.01            |
| QPSK         | 24.17                     | 25.43                     | 27.91              | 29.17              | 33.01            |
| 16QAM        | 23.11                     | 23.35                     | 26.85              | 27.09              | 33.01            |
| 64QAM        | 22.76                     | 22.89                     | 26.50              | 26.63              | 33.01            |
| 256QAM       | 20.77                     | 20.93                     | 24.51              | 24.67              | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

#### 7.1.4 NR n12 SCS 15 kHz

##### NR n12 SCS 15 kHz, Channel Bandwidth: 5 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |           |
|------------|---------|-----------|-----------------------------------|-----------|-----------|
|            |         |           | CH 140300                         | CH 141500 | CH 142700 |
|            |         |           | 701.5 MHz                         | 707.5 MHz | 713.5 MHz |
| BPSK       | 1       | 1         | 24.97                             | 24.75     | 24.77     |
|            | 1       | 0         | 24.71                             | 24.5      | 24.52     |
| QPSK       | 1       | 1         | 25.04                             | 24.9      | 24.81     |
|            | 1       | 0         | 24.19                             | 24.18     | 24.14     |
|            | 1       | 13        | 24.98                             | 24.84     | 24.82     |
|            | 1       | 23        | 24.93                             | 24.99     | 24.86     |
|            | 12      | 0         | 24.9                              | 24.85     | 24.8      |
|            | 12      | 7         | 24.22                             | 24.14     | 24.01     |
|            | 12      | 13        | 24.95                             | 24.85     | 24.77     |
|            | 25      | 0         | 24.15                             | 23.98     | 23.95     |
| 16QAM      | 1       | 0         | 23.19                             | 23.12     | 23.16     |
| 64QAM      | 1       | 0         | 22.9                              | 22.69     | 22.55     |
| 256QAM     | 1       | 0         | 21.03                             | 20.83     | 20.84     |

| Output Power |                           |                           |                   |                   |                 |
|--------------|---------------------------|---------------------------|-------------------|-------------------|-----------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum ERP (dBm) | Maximum ERP (dBm) | ERP Limit (dBm) |
| BPSK         | 24.50                     | 24.97                     | 16.15             | 16.62             | 34.77           |
| QPSK         | 23.82                     | 25.04                     | 15.47             | 16.69             | 34.77           |
| 16QAM        | 23.12                     | 23.19                     | 14.77             | 14.84             | 34.77           |
| 64QAM        | 22.55                     | 22.90                     | 14.2              | 14.55             | 34.77           |
| 256QAM       | 20.83                     | 21.03                     | 12.48             | 12.68             | 34.77           |

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

# NR n12 SCS 15 kHz, Channel Bandwidth: 10 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |           |
|------------|---------|-----------|-----------------------------------|-----------|-----------|
|            |         |           | CH 140800                         | CH 141500 | CH 142200 |
|            |         |           | 704 MHz                           | 707.5 MHz | 711 MHz   |
| BPSK       | 1       | 1         | 24.98                             | 24.84     | 24.81     |
|            | 1       | 0         | 24.71                             | 24.58     | 24.56     |
| QPSK       | 1       | 1         | 25.09                             | 24.94     | 24.89     |
|            | 1       | 0         | 24.29                             | 24.25     | 24.17     |
|            | 1       | 26        | 25.08                             | 24.92     | 24.86     |
|            | 1       | 50        | 24.95                             | 24.99     | 24.91     |
|            | 1       | 51        | 24.96                             | 24.85     | 24.87     |
|            | 25      | 0         | 24.25                             | 24.21     | 24.11     |
|            | 25      | 14        | 25.05                             | 24.95     | 24.83     |
|            | 25      | 27        | 24.18                             | 24.04     | 23.98     |
|            | 50      | 0         | 24.14                             | 24.11     | 24.05     |
|            | 52      | 0         | 24.11                             | 23.96     | 23.89     |
| 16QAM      | 1       | 0         | 23.21                             | 23.16     | 23.2      |
| 64QAM      | 1       | 0         | 22.91                             | 22.76     | 22.64     |
| 256QAM     | 1       | 0         | 21.05                             | 20.89     | 20.89     |

| Output Power |                           |                           |                   |                   |                 |
|--------------|---------------------------|---------------------------|-------------------|-------------------|-----------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum ERP (dBm) | Maximum ERP (dBm) | ERP Limit (dBm) |
| BPSK         | 24.56                     | 24.98                     | 16.21             | 16.63             | 34.77           |
| QPSK         | 23.89                     | 25.09                     | 15.54             | 16.74             | 34.77           |
| 16QAM        | 23.16                     | 23.21                     | 14.81             | 14.86             | 34.77           |
| 64QAM        | 22.64                     | 22.91                     | 14.29             | 14.56             | 34.77           |
| 256QAM       | 20.89                     | 21.05                     | 12.54             | 12.7              | 34.77           |

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

# NR n12 SCS 15 kHz, Channel Bandwidth: 15 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |           |
|------------|---------|-----------|-----------------------------------|-----------|-----------|
|            |         |           | CH 141300                         | CH 141500 | CH 141700 |
|            |         |           | 706.5 MHz                         | 707.5 MHz | 708.5 MHz |
| BPSK       | 1       | 1         | 25.03                             | 24.91     | 24.86     |
|            | 1       | 0         | 24.76                             | 24.63     | 24.59     |
| QPSK       | 1       | 1         | 25.12                             | 24.98     | 24.95     |
|            | 1       | 0         | 24.29                             | 24.25     | 24.2      |
|            | 1       | 40        | 25.09                             | 24.96     | 24.86     |
|            | 1       | 77        | 25.03                             | 24.99     | 24.96     |
|            | 1       | 78        | 24.98                             | 24.91     | 24.87     |
|            | 36      | 0         | 24.25                             | 24.21     | 24.17     |
|            | 36      | 22        | 25.06                             | 24.99     | 24.91     |
|            | 36      | 43        | 24.22                             | 24.1      | 24.08     |
|            | 75      | 0         | 24.18                             | 24.13     | 24.13     |
|            | 79      | 0         | 24.13                             | 24.02     | 23.93     |
| 16QAM      | 1       | 0         | 23.31                             | 23.22     | 23.21     |
| 64QAM      | 1       | 0         | 22.93                             | 22.83     | 22.74     |
| 256QAM     | 1       | 0         | 21.05                             | 20.99     | 20.95     |

| Output Power |                           |                           |                   |                   |                 |
|--------------|---------------------------|---------------------------|-------------------|-------------------|-----------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum ERP (dBm) | Maximum ERP (dBm) | ERP Limit (dBm) |
| BPSK         | 24.59                     | 25.03                     | 16.24             | 16.68             | 34.77           |
| QPSK         | 23.93                     | 25.12                     | 15.58             | 16.77             | 34.77           |
| 16QAM        | 23.21                     | 23.31                     | 14.86             | 14.96             | 34.77           |
| 64QAM        | 22.74                     | 22.93                     | 14.39             | 14.58             | 34.77           |
| 256QAM       | 20.95                     | 21.05                     | 12.6              | 12.7              | 34.77           |

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

# 7.1.5 NR n13 SCS 15 kHz

## NR n13 SCS 15 kHz, Channel Bandwidth: 5 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |           |
|------------|---------|-----------|-----------------------------------|-----------|-----------|
|            |         |           | CH 155900                         | CH 156400 | CH 156900 |
|            |         |           | 779.5 MHz                         | 782 MHz   | 784.5 MHz |
| BPSK       | 1       | 1         | 24.99                             | 24.95     | 24.93     |
|            | 1       | 0         | 24.72                             | 24.77     | 24.66     |
| QPSK       | 1       | 1         | 25.08                             | 25.11     | 25.02     |
|            | 1       | 0         | 24.32                             | 24.36     | 24.26     |
|            | 1       | 13        | 24.92                             | 25.07     | 24.91     |
|            | 1       | 23        | 24.96                             | 24.97     | 24.88     |
|            | 1       | 24        | 24.87                             | 24.95     | 24.89     |
|            | 12      | 0         | 24.3                              | 24.28     | 24.25     |
|            | 12      | 7         | 24.95                             | 25        | 24.89     |
|            | 12      | 13        | 24.22                             | 24.32     | 24.08     |
|            | 25      | 0         | 24.16                             | 24.13     | 24.11     |
| 16QAM      | 1       | 0         | 23.27                             | 23.3      | 23.23     |
| 64QAM      | 1       | 0         | 22.87                             | 22.82     | 22.81     |
| 256QAM     | 1       | 0         | 20.86                             | 20.85     | 20.89     |

| Output Power |                           |                           |                   |                   |                 |
|--------------|---------------------------|---------------------------|-------------------|-------------------|-----------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum ERP (dBm) | Maximum ERP (dBm) | ERP Limit (dBm) |
| BPSK         | 24.66                     | 24.99                     | 20.39             | 20.72             | 34.8            |
| QPSK         | 24.08                     | 25.11                     | 19.81             | 20.84             | 34.8            |
| 16QAM        | 23.23                     | 23.30                     | 18.96             | 19.03             | 34.8            |
| 64QAM        | 22.81                     | 22.87                     | 18.54             | 18.60             | 34.8            |
| 256QAM       | 20.85                     | 20.89                     | 16.58             | 16.62             | 34.8            |

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

NR n13 SCS 15 kHz, Channel Bandwidth: 10 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |
|------------|---------|-----------|-----------------------------------|
|            |         |           | CH 156400                         |
|            |         |           | 782 MHz                           |
| BPSK       | 1       | 1         | 25.03                             |
|            | 1       | 0         | 24.82                             |
| QPSK       | 1       | 1         | 25.14                             |
|            | 1       | 0         | 24.4                              |
|            | 1       | 26        | 25.1                              |
|            | 1       | 50        | 25.07                             |
|            | 1       | 51        | 25.03                             |
|            | 25      | 0         | 24.36                             |
|            | 25      | 14        | 25.06                             |
|            | 25      | 27        | 24.33                             |
|            | 50      | 0         | 24.29                             |
|            | 52      | 0         | 24.23                             |
| 16QAM      | 1       | 0         | 23.32                             |
| 64QAM      | 1       | 0         | 22.88                             |
| 256QAM     | 1       | 0         | 20.93                             |

| Output Power |                           |                           |                   |                   |                 |
|--------------|---------------------------|---------------------------|-------------------|-------------------|-----------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum ERP (dBm) | Maximum ERP (dBm) | ERP Limit (dBm) |
| BPSK         | 24.82                     | 25.03                     | 20.55             | 20.76             | 34.8            |
| QPSK         | 24.23                     | 25.14                     | 19.96             | 20.87             | 34.8            |
| 16QAM        | 23.32                     | 23.32                     | 19.05             | 19.05             | 34.8            |
| 64QAM        | 22.88                     | 22.88                     | 18.61             | 18.61             | 34.8            |
| 256QAM       | 20.93                     | 20.93                     | 16.66             | 16.66             | 34.8            |

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

# 7.1.6 NR n14 SCS 15 kHz

## NR n14 SCS 15 kHz, Channel Bandwidth: 5 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |           |
|------------|---------|-----------|-----------------------------------|-----------|-----------|
|            |         |           | CH 158100                         | CH 158600 | CH 159100 |
|            |         |           | 790.5 MHz                         | 793 MHz   | 795.5 MHz |
| BPSK       | 1       | 1         | 25.03                             | 25.07     | 25.01     |
|            | 1       | 0         | 24.83                             | 24.76     | 24.79     |
| QPSK       | 1       | 1         | 25.1                              | 25.19     | 25.11     |
|            | 1       | 0         | 24.39                             | 24.38     | 24.27     |
|            | 1       | 13        | 25.07                             | 25.1      | 25.05     |
|            | 1       | 23        | 25.03                             | 25.1      | 24.93     |
|            | 1       | 24        | 25.03                             | 25.06     | 24.96     |
|            | 12      | 0         | 24.27                             | 24.27     | 24.24     |
|            | 12      | 7         | 25.01                             | 25.07     | 25.02     |
|            | 12      | 13        | 24.22                             | 24.3      | 24.26     |
|            | 25      | 0         | 24.24                             | 24.29     | 24.07     |
| 16QAM      | 1       | 0         | 23.15                             | 23.26     | 23.19     |
| 64QAM      | 1       | 0         | 22.86                             | 23.01     | 22.72     |
| 256QAM     | 1       | 0         | 20.92                             | 21.07     | 20.87     |

| Output Power |                           |                           |                   |                   |                 |
|--------------|---------------------------|---------------------------|-------------------|-------------------|-----------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum ERP (dBm) | Maximum ERP (dBm) | ERP Limit (dBm) |
| BPSK         | 24.76                     | 25.07                     | 20.49             | 20.80             | 34.77           |
| QPSK         | 24.06                     | 25.19                     | 19.79             | 20.92             | 34.77           |
| 16QAM        | 23.15                     | 23.26                     | 18.88             | 18.99             | 34.77           |
| 64QAM        | 22.72                     | 23.01                     | 18.45             | 18.74             | 34.77           |
| 256QAM       | 20.87                     | 21.07                     | 16.60             | 16.80             | 34.77           |

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

**NR n14 SCS 15 kHz, Channel Bandwidth: 10 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |
|------------|---------|-----------|-----------------------------------|
|            |         |           | CH 158600                         |
|            |         |           | 793 MHz                           |
| BPSK       | 1       | 1         | 25.16                             |
|            | 1       | 0         | 24.86                             |
| QPSK       | 1       | 1         | 25.24                             |
|            | 1       | 0         | 24.42                             |
|            | 1       | 26        | 25.2                              |
|            | 1       | 50        | 25.15                             |
|            | 1       | 51        | 25.11                             |
|            | 25      | 0         | 24.37                             |
|            | 25      | 14        | 25.15                             |
|            | 25      | 27        | 24.31                             |
|            | 50      | 0         | 24.33                             |
|            | 52      | 0         | 24.29                             |
| 16QAM      | 1       | 0         | 23.32                             |
| 64QAM      | 1       | 0         | 23.02                             |
| 256QAM     | 1       | 0         | 21.08                             |

| Output Power |                           |                           |                   |                   |                 |
|--------------|---------------------------|---------------------------|-------------------|-------------------|-----------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum ERP (dBm) | Maximum ERP (dBm) | ERP Limit (dBm) |
| BPSK         | 24.86                     | 25.16                     | 20.59             | 20.89             | 34.77           |
| QPSK         | 24.29                     | 25.24                     | 20.02             | 20.97             | 34.77           |
| 16QAM        | 23.32                     | 23.32                     | 19.05             | 19.05             | 34.77           |
| 64QAM        | 23.02                     | 23.02                     | 18.75             | 18.75             | 34.77           |
| 256QAM       | 21.08                     | 21.08                     | 16.81             | 16.81             | 34.77           |

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

### 7.1.7 NR n25 SCS 15 kHz

#### NR n25 SCS 15 kHz, Channel Bandwidth: 5 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |            |            |
|------------|---------|-----------|-----------------------------------|------------|------------|
|            |         |           | CH 370500                         | CH 376500  | CH 382500  |
|            |         |           | 1852.5 MHz                        | 1882.5 MHz | 1912.5 MHz |
| BPSK       | 1       | 1         | 24.95                             | 24.91      | 24.69      |
|            | 1       | 0         | 24.65                             | 24.78      | 24.46      |
| QPSK       | 1       | 1         | 25.06                             | 25.12      | 24.8       |
|            | 1       | 0         | 23.95                             | 24         | 23.77      |
|            | 1       | 13        | 25.05                             | 25.07      | 24.8       |
|            | 1       | 23        | 24.89                             | 24.96      | 24.71      |
|            | 1       | 24        | 24.99                             | 25.04      | 24.71      |
|            | 12      | 0         | 23.87                             | 23.96      | 23.66      |
|            | 12      | 7         | 24.84                             | 24.91      | 24.77      |
|            | 12      | 13        | 23.85                             | 23.85      | 23.63      |
|            | 25      | 0         | 23.92                             | 23.95      | 23.67      |
| 16QAM      | 1       | 0         | 22.89                             | 23.03      | 22.77      |
| 64QAM      | 1       | 0         | 22.48                             | 22.5       | 22.22      |
| 256QAM     | 1       | 0         | 20.74                             | 20.81      | 20.48      |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 24.46                     | 24.95                     | 26.94              | 27.43              | 33.01            |
| QPSK         | 23.63                     | 25.12                     | 26.11              | 27.60              | 33.01            |
| 16QAM        | 22.77                     | 23.03                     | 25.25              | 25.51              | 33.01            |
| 64QAM        | 22.22                     | 22.50                     | 24.70              | 24.98              | 33.01            |
| 256QAM       | 20.48                     | 20.81                     | 22.96              | 23.29              | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

# NR n25 SCS 15 kHz, Channel Bandwidth: 10 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |            |           |
|------------|---------|-----------|-----------------------------------|------------|-----------|
|            |         |           | CH 371000                         | CH 376500  | CH 382000 |
|            |         |           | 1855 MHz                          | 1882.5 MHz | 1910 MHz  |
| BPSK       | 1       | 1         | 24.98                             | 24.99      | 24.74     |
|            | 1       | 0         | 24.71                             | 24.79      | 24.51     |
| QPSK       | 1       | 1         | 25.1                              | 25.16      | 24.86     |
|            | 1       | 0         | 23.96                             | 24         | 23.84     |
|            | 1       | 26        | 25.09                             | 25.07      | 24.8      |
|            | 1       | 50        | 24.89                             | 25.04      | 24.75     |
|            | 1       | 51        | 24.99                             | 25.05      | 24.8      |
|            | 25      | 0         | 23.95                             | 23.97      | 23.75     |
|            | 25      | 14        | 24.85                             | 24.98      | 24.77     |
|            | 25      | 27        | 23.85                             | 23.85      | 23.61     |
|            | 50      | 0         | 23.95                             | 23.96      | 23.7      |
|            | 52      | 0         | 23.84                             | 23.86      | 23.73     |
| 16QAM      | 1       | 0         | 22.99                             | 23.05      | 22.79     |
| 64QAM      | 1       | 0         | 22.56                             | 22.57      | 22.24     |
| 256QAM     | 1       | 0         | 20.75                             | 20.87      | 20.56     |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 24.51                     | 24.99                     | 26.99              | 27.47              | 33.01            |
| QPSK         | 23.61                     | 25.16                     | 26.09              | 27.64              | 33.01            |
| 16QAM        | 22.79                     | 23.05                     | 25.27              | 25.53              | 33.01            |
| 64QAM        | 22.24                     | 22.57                     | 24.72              | 25.05              | 33.01            |
| 256QAM       | 20.56                     | 20.87                     | 23.04              | 23.35              | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

# NR n25 SCS 15 kHz, Channel Bandwidth: 15 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |            |            |
|------------|---------|-----------|-----------------------------------|------------|------------|
|            |         |           | CH 371500                         | CH 376500  | CH 381500  |
|            |         |           | 1857.5 MHz                        | 1882.5 MHz | 1907.5 MHz |
| BPSK       | 1       | 1         | 25.05                             | 25.07      | 24.84      |
|            | 1       | 0         | 24.79                             | 24.84      | 24.57      |
| QPSK       | 1       | 1         | 25.15                             | 25.2       | 24.88      |
|            | 1       | 0         | 23.99                             | 24.03      | 23.9       |
|            | 1       | 40        | 25.09                             | 25.12      | 24.82      |
|            | 1       | 77        | 24.97                             | 25.09      | 24.81      |
|            | 1       | 78        | 25                                | 25.06      | 24.85      |
|            | 36      | 0         | 24.05                             | 24         | 23.85      |
|            | 36      | 22        | 24.93                             | 25.04      | 24.81      |
|            | 36      | 43        | 23.92                             | 23.94      | 23.67      |
|            | 75      | 0         | 23.97                             | 24.04      | 23.74      |
|            | 79      | 0         | 23.92                             | 23.93      | 23.78      |
| 16QAM      | 1       | 0         | 23.02                             | 23.11      | 22.81      |
| 64QAM      | 1       | 0         | 22.56                             | 22.67      | 22.34      |
| 256QAM     | 1       | 0         | 20.84                             | 20.88      | 20.62      |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 24.57                     | 25.07                     | 27.05              | 27.55              | 33.01            |
| QPSK         | 23.67                     | 25.20                     | 26.15              | 27.68              | 33.01            |
| 16QAM        | 22.81                     | 23.11                     | 25.29              | 25.59              | 33.01            |
| 64QAM        | 22.34                     | 22.67                     | 24.82              | 25.15              | 33.01            |
| 256QAM       | 20.62                     | 20.88                     | 23.10              | 23.36              | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

# NR n25 SCS 15 kHz, Channel Bandwidth: 20 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |            |           |
|------------|---------|-----------|-----------------------------------|------------|-----------|
|            |         |           | CH 372000                         | CH 376500  | CH 381000 |
|            |         |           | 1860 MHz                          | 1882.5 MHz | 1905 MHz  |
| BPSK       | 1       | 1         | 25.09                             | 25.14      | 24.94     |
|            | 1       | 0         | 24.84                             | 24.89      | 24.65     |
| QPSK       | 1       | 1         | 25.16                             | 25.23      | 24.92     |
|            | 1       | 0         | 24.03                             | 24.13      | 23.96     |
|            | 1       | 53        | 25.11                             | 25.19      | 24.9      |
|            | 1       | 104       | 25.07                             | 25.16      | 24.82     |
|            | 1       | 105       | 25.07                             | 25.14      | 24.89     |
|            | 50      | 0         | 24.07                             | 24.08      | 23.89     |
|            | 50      | 28        | 25.02                             | 25.11      | 24.86     |
|            | 50      | 56        | 24.01                             | 24.03      | 23.76     |
|            | 100     | 0         | 24.04                             | 24.06      | 23.83     |
|            | 106     | 0         | 23.98                             | 24.03      | 23.81     |
| 16QAM      | 1       | 0         | 23.06                             | 23.13      | 22.86     |
| 64QAM      | 1       | 0         | 22.64                             | 22.74      | 22.42     |
| 256QAM     | 1       | 0         | 20.89                             | 20.89      | 20.69     |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 24.65                     | 25.14                     | 27.13              | 27.62              | 33.01            |
| QPSK         | 23.76                     | 25.23                     | 26.24              | 27.71              | 33.01            |
| 16QAM        | 22.86                     | 23.13                     | 25.34              | 25.61              | 33.01            |
| 64QAM        | 22.42                     | 22.74                     | 24.90              | 25.22              | 33.01            |
| 256QAM       | 20.69                     | 20.89                     | 23.17              | 23.37              | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

### 7.1.8 NR n26 SCS 15 kHz (814 MHz ~ 824 MHz)

#### NR n26 SCS 15 kHz (814 MHz ~ 824 MHz), Channel Bandwidth: 5 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |           |
|------------|---------|-----------|-----------------------------------|-----------|-----------|
|            |         |           | CH 163300                         | CH 163800 | CH 164300 |
|            |         |           | 816.5 MHz                         | 819 MHz   | 821.5 MHz |
| BPSK       | 1       | 1         | 25.08                             | 24.95     | 24.99     |
|            | 1       | 0         | 24.64                             | 24.36     | 24.65     |
| QPSK       | 1       | 1         | 25.19                             | 25        | 25.14     |
|            | 1       | 0         | 23.94                             | 23.77     | 23.91     |
|            | 1       | 13        | 25.09                             | 24.99     | 25.06     |
|            | 1       | 23        | 25.03                             | 24.84     | 24.93     |
|            | 1       | 24        | 25.06                             | 24.77     | 25.01     |
|            | 12      | 0         | 24.05                             | 23.92     | 23.88     |
|            | 12      | 7         | 25.04                             | 24.91     | 25.04     |
|            | 12      | 13        | 23.95                             | 23.97     | 23.84     |
|            | 25      | 0         | 23.92                             | 23.92     | 23.94     |
| 16QAM      | 1       | 0         | 22.92                             | 22.7      | 22.67     |
| 64QAM      | 1       | 0         | 22.66                             | 22.55     | 22.52     |
| 256QAM     | 1       | 0         | 20.92                             | 20.77     | 20.86     |

| Output Power |                           |                           |                   |                   |                 |
|--------------|---------------------------|---------------------------|-------------------|-------------------|-----------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum ERP (dBm) | Maximum ERP (dBm) | ERP Limit (dBm) |
| BPSK         | 24.36                     | 25.08                     | 20.36             | 21.08             | 50              |
| QPSK         | 23.77                     | 25.19                     | 19.77             | 21.19             | 50              |
| 16QAM        | 22.67                     | 22.92                     | 18.67             | 18.92             | 50              |
| 64QAM        | 22.52                     | 22.66                     | 18.52             | 18.66             | 50              |
| 256QAM       | 20.77                     | 20.92                     | 16.77             | 16.92             | 50              |

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

NR n26 SCS 15 kHz (814 MHz ~ 824 MHz), Channel Bandwidth: 10 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |
|------------|---------|-----------|-----------------------------------|
|            |         |           | CH 163800                         |
|            |         |           | 819 MHz                           |
| BPSK       | 1       | 1         | 25.14                             |
|            | 1       | 0         | 24.69                             |
| QPSK       | 1       | 1         | 25.26                             |
|            | 1       | 0         | 24.02                             |
|            | 1       | 26        | 25.18                             |
|            | 1       | 50        | 25.12                             |
|            | 1       | 51        | 25.16                             |
|            | 25      | 0         | 24.07                             |
|            | 25      | 14        | 25.14                             |
|            | 25      | 27        | 24.01                             |
|            | 50      | 0         | 23.97                             |
|            | 52      | 0         | 23.9                              |
| 16QAM      | 1       | 0         | 22.99                             |
| 64QAM      | 1       | 0         | 22.66                             |
| 256QAM     | 1       | 0         | 20.95                             |

| Output Power |                           |                           |                   |                   |                 |
|--------------|---------------------------|---------------------------|-------------------|-------------------|-----------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum ERP (dBm) | Maximum ERP (dBm) | ERP Limit (dBm) |
| BPSK         | 24.69                     | 25.14                     | 20.69             | 21.14             | 50              |
| QPSK         | 23.90                     | 25.26                     | 19.90             | 21.26             | 50              |
| 16QAM        | 22.99                     | 22.99                     | 18.99             | 18.99             | 50              |
| 64QAM        | 22.66                     | 22.66                     | 18.66             | 18.66             | 50              |
| 256QAM       | 20.95                     | 20.95                     | 16.95             | 16.95             | 50              |

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

### 7.1.9 NR n26 SCS 15 kHz (824 MHz ~ 849 MHz)

#### NR n26 SCS 15 kHz (824 MHz ~ 849 MHz), Channel Bandwidth: 5 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |           |
|------------|---------|-----------|-----------------------------------|-----------|-----------|
|            |         |           | CH 165300                         | CH 167300 | CH 169300 |
|            |         |           | 826.5 MHz                         | 836.5 MHz | 846.5 MHz |
| BPSK       | 1       | 1         | 25.02                             | 25.04     | 25.17     |
|            | 1       | 0         | 24.46                             | 24.66     | 24.76     |
| QPSK       | 1       | 1         | 25.04                             | 25.14     | 25.24     |
|            | 1       | 0         | 23.82                             | 23.98     | 24.09     |
|            | 1       | 13        | 25.09                             | 25.16     | 25.22     |
|            | 1       | 23        | 24.86                             | 25.03     | 25.14     |
|            | 1       | 24        | 24.83                             | 25.05     | 25.18     |
|            | 12      | 0         | 23.97                             | 23.98     | 23.96     |
|            | 12      | 7         | 24.96                             | 25.14     | 25.13     |
|            | 12      | 13        | 23.99                             | 23.93     | 24.11     |
|            | 25      | 0         | 23.95                             | 23.9      | 24.05     |
| 16QAM      | 1       | 0         | 22.73                             | 22.94     | 22.95     |
| 64QAM      | 1       | 0         | 22.62                             | 22.44     | 22.63     |
| 256QAM     | 1       | 0         | 20.89                             | 20.85     | 20.99     |

| Output Power |                           |                           |                   |                   |                 |
|--------------|---------------------------|---------------------------|-------------------|-------------------|-----------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum ERP (dBm) | Maximum ERP (dBm) | ERP Limit (dBm) |
| BPSK         | 24.46                     | 25.17                     | 20.46             | 21.17             | 38.45           |
| QPSK         | 23.82                     | 25.24                     | 19.82             | 21.24             | 38.45           |
| 16QAM        | 22.73                     | 22.95                     | 18.73             | 18.95             | 38.45           |
| 64QAM        | 22.44                     | 22.63                     | 18.44             | 18.63             | 38.45           |
| 256QAM       | 20.85                     | 20.99                     | 16.85             | 16.99             | 38.45           |

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

**NR n26 SCS 15 kHz (824 MHz ~ 849 MHz), Channel Bandwidth: 10 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |           |
|------------|---------|-----------|-----------------------------------|-----------|-----------|
|            |         |           | CH 165800                         | CH 167300 | CH 168800 |
|            |         |           | 829 MHz                           | 836.5 MHz | 844 MHz   |
| BPSK       | 1       | 1         | 25.02                             | 25.11     | 25.17     |
|            | 1       | 0         | 24.55                             | 24.68     | 24.78     |
| QPSK       | 1       | 1         | 25.07                             | 25.19     | 25.28     |
|            | 1       | 0         | 23.83                             | 24.02     | 24.18     |
|            | 1       | 26        | 25.13                             | 25.16     | 25.25     |
|            | 1       | 50        | 24.95                             | 25.11     | 25.23     |
|            | 1       | 51        | 24.93                             | 25.07     | 25.21     |
|            | 25      | 0         | 24                                | 24.07     | 24.05     |
|            | 25      | 14        | 24.97                             | 25.17     | 25.22     |
|            | 25      | 27        | 23.99                             | 23.98     | 24.14     |
|            | 50      | 0         | 23.73                             | 23.93     | 23.97     |
|            | 52      | 0         | 23.76                             | 23.75     | 23.94     |
| 16QAM      | 1       | 0         | 22.82                             | 22.95     | 23        |
| 64QAM      | 1       | 0         | 22.66                             | 22.52     | 22.67     |
| 256QAM     | 1       | 0         | 20.9                              | 20.89     | 20.99     |

| Output Power |                           |                           |                   |                   |                 |
|--------------|---------------------------|---------------------------|-------------------|-------------------|-----------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum ERP (dBm) | Maximum ERP (dBm) | ERP Limit (dBm) |
| BPSK         | 24.55                     | 25.17                     | 20.55             | 21.17             | 38.45           |
| QPSK         | 23.73                     | 25.28                     | 19.73             | 21.28             | 38.45           |
| 16QAM        | 22.82                     | 23.00                     | 18.82             | 19.00             | 38.45           |
| 64QAM        | 22.52                     | 22.67                     | 18.52             | 18.67             | 38.45           |
| 256QAM       | 20.89                     | 20.99                     | 16.89             | 16.99             | 38.45           |

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

# NR n26 SCS 15 kHz (824 MHz ~ 849 MHz), Channel Bandwidth: 15 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |           |
|------------|---------|-----------|-----------------------------------|-----------|-----------|
|            |         |           | CH 166300                         | CH 167300 | CH 168300 |
|            |         |           | 831.5 MHz                         | 836.5 MHz | 841.5 MHz |
| BPSK       | 1       | 1         | 25.04                             | 25.03     | 25.12     |
|            | 1       | 0         | 25.21                             | 24.71     | 24.56     |
| QPSK       | 1       | 1         | 25.23                             | 25.16     | 25.28     |
|            | 1       | 0         | 25.34                             | 23.98     | 23.92     |
|            | 1       | 40        | 24.11                             | 24.23     | 25.17     |
|            | 1       | 77        | 25.2                              | 25.23     | 25.28     |
|            | 1       | 78        | 25.14                             | 24.98     | 25.12     |
|            | 36      | 0         | 25.28                             | 25.06     | 24.97     |
|            | 36      | 22        | 25.12                             | 25.24     | 24.08     |
|            | 36      | 43        | 24.02                             | 24.1      | 24.15     |
|            | 75      | 0         | 25.07                             | 25.03     | 25.18     |
|            | 79      | 0         | 25.28                             | 24.05     | 24.01     |
| 16QAM      | 1       | 0         | 22.91                             | 22.86     | 22.99     |
| 64QAM      | 1       | 0         | 22.64                             | 22.66     | 22.61     |
| 256QAM     | 1       | 0         | 20.88                             | 20.93     | 20.99     |

| Output Power |                           |                           |                   |                   |                 |
|--------------|---------------------------|---------------------------|-------------------|-------------------|-----------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum ERP (dBm) | Maximum ERP (dBm) | ERP Limit (dBm) |
| BPSK         | 24.56                     | 25.21                     | 20.56             | 21.21             | 38.45           |
| QPSK         | 23.77                     | 25.34                     | 19.77             | 21.34             | 38.45           |
| 16QAM        | 22.86                     | 23.07                     | 18.86             | 19.07             | 38.45           |
| 64QAM        | 22.61                     | 22.74                     | 18.61             | 18.74             | 38.45           |
| 256QAM       | 20.88                     | 21.00                     | 16.88             | 17.00             | 38.45           |

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

# NR n26 SCS 15 kHz (824 MHz ~ 849 MHz), Channel Bandwidth: 20 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |           |
|------------|---------|-----------|-----------------------------------|-----------|-----------|
|            |         |           | CH 166800                         | CH 167300 | CH 167800 |
|            |         |           | 834 MHz                           | 836.5 MHz | 839 MHz   |
| BPSK       | 1       | 1         | 25.06                             | 25.19     | 25.26     |
|            | 1       | 0         | 24.66                             | 24.74     | 24.82     |
| QPSK       | 1       | 1         | 25.24                             | 25.32     | 25.39     |
|            | 1       | 0         | 23.96                             | 24.13     | 24.23     |
|            | 1       | 53        | 25.2                              | 25.25     | 25.33     |
|            | 1       | 104       | 25.07                             | 25.15     | 25.29     |
|            | 1       | 105       | 25.07                             | 25.2      | 25.26     |
|            | 50      | 0         | 24.06                             | 24.17     | 24.19     |
|            | 50      | 28        | 25.08                             | 25.24     | 25.35     |
|            | 50      | 56        | 24.1                              | 24.11     | 24.16     |
|            | 100     | 0         | 23.9                              | 24.05     | 24.12     |
|            | 106     | 0         | 23.87                             | 23.93     | 24.09     |
| 16QAM      | 1       | 0         | 22.91                             | 23.07     | 23.16     |
| 64QAM      | 1       | 0         | 22.67                             | 22.69     | 22.82     |
| 256QAM     | 1       | 0         | 20.97                             | 20.99     | 21.08     |

| Output Power |                           |                           |                   |                   |                 |
|--------------|---------------------------|---------------------------|-------------------|-------------------|-----------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum ERP (dBm) | Maximum ERP (dBm) | ERP Limit (dBm) |
| BPSK         | 24.66                     | 25.26                     | 20.66             | 21.26             | 38.45           |
| QPSK         | 23.87                     | 25.39                     | 19.87             | 21.39             | 38.45           |
| 16QAM        | 22.91                     | 23.16                     | 18.91             | 19.16             | 38.45           |
| 64QAM        | 22.67                     | 22.82                     | 18.67             | 18.82             | 38.45           |
| 256QAM       | 20.97                     | 21.08                     | 16.97             | 17.08             | 38.45           |

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

## 7.1.10 NR n30 SCS 15 kHz

## NR n30 SCS 15 kHz, Channel Bandwidth: 10 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |
|------------|---------|-----------|-----------------------------------|
|            |         |           | CH 462000                         |
|            |         |           | 2310 MHz                          |
| BPSK       | 1       | 1         | 22.42                             |
|            | 1       | 0         | 21.53                             |
| QPSK       | 1       | 1         | 22.49                             |
|            | 1       | 0         | 21.5                              |
|            | 1       | 26        | 22.39                             |
|            | 1       | 50        | 22.35                             |
|            | 1       | 51        | 21.46                             |
|            | 25      | 0         | 21.48                             |
|            | 25      | 14        | 22.36                             |
|            | 25      | 27        | 21.46                             |
|            | 50      | 0         | 19.86                             |
|            | 52      | 0         | 19.75                             |
| 16QAM      | 1       | 0         | 20.5                              |
| 64QAM      | 1       | 0         | 18.99                             |
| 256QAM     | 1       | 0         | 16.42                             |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 21.53                     | 22.42                     | 22.76              | 23.65              | 24               |
| QPSK         | 19.75                     | 22.49                     | 20.98              | 23.72              | 24               |
| 16QAM        | 20.50                     | 20.50                     | 21.73              | 21.73              | 24               |
| 64QAM        | 18.99                     | 18.99                     | 20.22              | 20.22              | 24               |
| 256QAM       | 16.42                     | 16.42                     | 17.65              | 17.65              | 24               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

# 7.1.11 NR n38 SCS 30 kHz

## NR n38 SCS 30 kHz, Channel Bandwidth: 20 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |           |
|------------|---------|-----------|-----------------------------------|-----------|-----------|
|            |         |           | CH 516000                         | CH 519000 | CH 522000 |
|            |         |           | 2580 MHz                          | 2595 MHz  | 2610 MHz  |
| BPSK       | 1       | 1         | 24.78                             | 24.73     | 24.54     |
|            | 1       | 0         | 24.59                             | 24.5      | 24.47     |
| QPSK       | 1       | 1         | 24.89                             | 24.72     | 24.79     |
|            | 1       | 0         | 23.63                             | 23.58     | 23.64     |
|            | 1       | 26        | 24.85                             | 24.72     | 24.74     |
|            | 1       | 49        | 24.74                             | 24.71     | 24.62     |
|            | 1       | 50        | 24.78                             | 24.75     | 24.77     |
|            | 25      | 0         | 23.56                             | 23.46     | 23.5      |
|            | 25      | 13        | 24.83                             | 24.82     | 24.73     |
|            | 25      | 26        | 23.5                              | 23.42     | 23.33     |
|            | 50      | 0         | 23.46                             | 23.47     | 23.39     |
|            | 51      | 0         | 23.43                             | 23.39     | 23.4      |
| 16QAM      | 1       | 0         | 22.68                             | 22.5      | 22.55     |
| 64QAM      | 1       | 0         | 22.31                             | 22.25     | 22.13     |
| 256QAM     | 1       | 0         | 20.31                             | 20.44     | 20.33     |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 24.47                     | 24.78                     | 28.44              | 28.75              | 33.01            |
| QPSK         | 23.33                     | 24.89                     | 27.30              | 28.86              | 33.01            |
| 16QAM        | 22.50                     | 22.68                     | 26.47              | 26.65              | 33.01            |
| 64QAM        | 22.13                     | 22.31                     | 26.10              | 26.28              | 33.01            |
| 256QAM       | 20.31                     | 20.44                     | 24.28              | 24.41              | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

# NR n38 SCS 30 kHz, Channel Bandwidth: 30 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |           |
|------------|---------|-----------|-----------------------------------|-----------|-----------|
|            |         |           | CH 517000                         | CH 519000 | CH 521000 |
|            |         |           | 2585 MHz                          | 2595 MHz  | 2605 MHz  |
| BPSK       | 1       | 1         | 24.86                             | 24.76     | 24.64     |
|            | 1       | 0         | 24.62                             | 24.54     | 24.53     |
| QPSK       | 1       | 1         | 24.92                             | 24.79     | 24.83     |
|            | 1       | 0         | 23.65                             | 23.59     | 23.69     |
|            | 1       | 39        | 24.88                             | 24.75     | 24.75     |
|            | 1       | 76        | 24.77                             | 24.74     | 24.67     |
|            | 1       | 77        | 24.8                              | 24.75     | 24.82     |
|            | 36      | 0         | 23.64                             | 23.52     | 23.53     |
|            | 36      | 21        | 24.85                             | 24.82     | 24.74     |
|            | 36      | 42        | 23.54                             | 23.52     | 23.42     |
|            | 75      | 0         | 23.51                             | 23.49     | 23.46     |
|            | 78      | 0         | 23.47                             | 23.43     | 23.42     |
| 16QAM      | 1       | 0         | 22.72                             | 22.57     | 22.57     |
| 64QAM      | 1       | 0         | 22.31                             | 22.25     | 22.23     |
| 256QAM     | 1       | 0         | 20.41                             | 20.46     | 20.41     |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 24.53                     | 24.86                     | 28.50              | 28.83              | 33.01            |
| QPSK         | 23.42                     | 24.92                     | 27.39              | 28.89              | 33.01            |
| 16QAM        | 22.57                     | 22.72                     | 26.54              | 26.69              | 33.01            |
| 64QAM        | 22.23                     | 22.31                     | 26.20              | 26.28              | 33.01            |
| 256QAM       | 20.41                     | 20.46                     | 24.38              | 24.43              | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

# NR n38 SCS 30 kHz, Channel Bandwidth: 40 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |           |
|------------|---------|-----------|-----------------------------------|-----------|-----------|
|            |         |           | CH 518000                         | CH 519000 | CH 520000 |
|            |         |           | 2590 MHz                          | 2595 MHz  | 2600 MHz  |
| BPSK       | 1       | 1         | 24.88                             | 24.77     | 24.72     |
|            | 1       | 0         | 24.66                             | 24.58     | 24.53     |
| QPSK       | 1       | 1         | 24.95                             | 24.86     | 24.84     |
|            | 1       | 0         | 23.69                             | 23.69     | 23.69     |
|            | 1       | 53        | 24.91                             | 24.83     | 24.81     |
|            | 1       | 104       | 24.86                             | 24.8      | 24.73     |
|            | 1       | 105       | 24.83                             | 24.82     | 24.82     |
|            | 50      | 0         | 23.64                             | 23.62     | 23.59     |
|            | 50      | 28        | 24.88                             | 24.84     | 24.75     |
|            | 50      | 56        | 23.62                             | 23.52     | 23.49     |
|            | 100     | 0         | 23.58                             | 23.57     | 23.49     |
|            | 106     | 0         | 23.55                             | 23.46     | 23.43     |
| 16QAM      | 1       | 0         | 22.77                             | 22.67     | 22.63     |
| 64QAM      | 1       | 0         | 22.38                             | 22.31     | 22.26     |
| 256QAM     | 1       | 0         | 20.49                             | 20.46     | 20.46     |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 24.53                     | 24.88                     | 28.50              | 28.85              | 33.01            |
| QPSK         | 23.43                     | 24.95                     | 27.40              | 28.92              | 33.01            |
| 16QAM        | 22.63                     | 22.77                     | 26.60              | 26.74              | 33.01            |
| 64QAM        | 22.26                     | 22.38                     | 26.23              | 26.35              | 33.01            |
| 256QAM       | 20.46                     | 20.49                     | 24.43              | 24.46              | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

## 7.1.12 NR n41 SCS 30 kHz (SISO)

**NR n41 SCS 30 kHz, Ant. 3, Channel Bandwidth: 20 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |             |             |
|------------|---------|-----------|-----------------------------------|-------------|-------------|
|            |         |           | CH 501204                         | CH 518598   | CH 535998   |
|            |         |           | 2506.02 MHz                       | 2592.99 MHz | 2679.99 MHz |
| BPSK       | 1       | 1         | 25.11                             | 26.34       | 25.94       |
|            | 1       | 0         | 24.58                             | 25.88       | 25.46       |
| QPSK       | 1       | 1         | 25.14                             | 26.47       | 26.03       |
|            | 1       | 0         | 21.59                             | 22.98       | 22.42       |
|            | 1       | 26        | 25.13                             | 26.42       | 25.93       |
|            | 1       | 49        | 25.11                             | 26.39       | 25.88       |
|            | 1       | 50        | 21.56                             | 22.91       | 22.49       |
|            | 25      | 0         | 24.06                             | 25.33       | 24.94       |
|            | 25      | 13        | 25.12                             | 26.33       | 25.97       |
|            | 25      | 26        | 24.15                             | 25.37       | 25.05       |
|            | 50      | 0         | 24.19                             | 25.38       | 24.98       |
|            | 51      | 0         | 24.12                             | 25.38       | 24.95       |
| 16QAM      | 1       | 0         | 21.53                             | 22.82       | 22.42       |
| 64QAM      | 1       | 0         | 21.63                             | 22.9        | 22.45       |
| 256QAM     | 1       | 0         | 20.61                             | 21.88       | 21.46       |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 24.58                     | 26.34                     | 28.60              | 30.36              | 33.01            |
| QPSK         | 21.56                     | 26.47                     | 25.58              | 30.49              | 33.01            |
| 16QAM        | 21.53                     | 22.82                     | 25.55              | 26.84              | 33.01            |
| 64QAM        | 21.63                     | 22.90                     | 25.65              | 26.92              | 33.01            |
| 256QAM       | 20.61                     | 21.88                     | 24.63              | 25.90              | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n41 SCS 30 kHz, Ant. 3, Channel Bandwidth: 30 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |             |             |
|------------|---------|-----------|-----------------------------------|-------------|-------------|
|            |         |           | CH 502200                         | CH 518598   | CH 534996   |
|            |         |           | 2511 MHz                          | 2592.99 MHz | 2674.98 MHz |
| BPSK       | 1       | 1         | 25.08                             | 26.35       | 25.94       |
|            | 1       | 0         | 24.59                             | 25.86       | 25.4        |
| QPSK       | 1       | 1         | 25.15                             | 26.43       | 25.98       |
|            | 1       | 0         | 21.58                             | 22.95       | 22.47       |
|            | 1       | 39        | 25.07                             | 26.41       | 25.99       |
|            | 1       | 76        | 25.04                             | 26.41       | 25.95       |
|            | 1       | 77        | 21.62                             | 22.91       | 22.42       |
|            | 36      | 0         | 24.08                             | 25.32       | 25          |
|            | 36      | 21        | 25.13                             | 26.42       | 25.94       |
|            | 36      | 42        | 24.1                              | 25.36       | 24.96       |
|            | 75      | 0         | 24.18                             | 25.37       | 24.97       |
|            | 78      | 0         | 24.04                             | 25.32       | 24.9        |
| 16QAM      | 1       | 0         | 21.59                             | 22.89       | 22.45       |
| 64QAM      | 1       | 0         | 21.62                             | 22.86       | 22.5        |
| 256QAM     | 1       | 0         | 20.53                             | 21.82       | 21.46       |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 24.59                     | 26.35                     | 28.61              | 30.37              | 33.01            |
| QPSK         | 21.58                     | 26.43                     | 25.60              | 30.45              | 33.01            |
| 16QAM        | 21.59                     | 22.89                     | 25.61              | 26.91              | 33.01            |
| 64QAM        | 21.62                     | 22.86                     | 25.64              | 26.88              | 33.01            |
| 256QAM       | 20.53                     | 21.82                     | 24.55              | 25.84              | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n41 SCS 30 kHz, Ant. 3, Channel Bandwidth: 40 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |             |           |
|------------|---------|-----------|-----------------------------------|-------------|-----------|
|            |         |           | CH 503202                         | CH 518598   | CH 534000 |
|            |         |           | 2516.01 MHz                       | 2592.99 MHz | 2670 MHz  |
| BPSK       | 1       | 1         | 25.11                             | 26.39       | 25.87     |
|            | 1       | 0         | 24.6                              | 25.81       | 25.46     |
| QPSK       | 1       | 1         | 25.09                             | 26.41       | 26        |
|            | 1       | 0         | 21.59                             | 22.9        | 22.47     |
|            | 1       | 53        | 25.07                             | 26.46       | 25.91     |
|            | 1       | 104       | 25.14                             | 26.46       | 25.95     |
|            | 1       | 105       | 21.57                             | 22.98       | 22.45     |
|            | 50      | 0         | 24.11                             | 25.38       | 24.92     |
|            | 50      | 28        | 25.1                              | 26.37       | 26        |
|            | 50      | 56        | 24.08                             | 25.4        | 24.97     |
|            | 100     | 0         | 24.19                             | 25.4        | 24.96     |
|            | 106     | 0         | 24.05                             | 25.36       | 24.97     |
| 16QAM      | 1       | 0         | 21.63                             | 22.84       | 22.42     |
| 64QAM      | 1       | 0         | 21.63                             | 22.86       | 22.48     |
| 256QAM     | 1       | 0         | 20.54                             | 21.83       | 21.47     |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 24.60                     | 26.39                     | 28.62              | 30.41              | 33.01            |
| QPSK         | 21.57                     | 26.46                     | 25.59              | 30.48              | 33.01            |
| 16QAM        | 21.63                     | 22.84                     | 25.65              | 26.86              | 33.01            |
| 64QAM        | 21.63                     | 22.86                     | 25.65              | 26.88              | 33.01            |
| 256QAM       | 20.54                     | 21.83                     | 24.56              | 25.85              | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n41 SCS 30 kHz, Ant. 3, Channel Bandwidth: 50 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |             |             |
|------------|---------|-----------|-----------------------------------|-------------|-------------|
|            |         |           | CH 504204                         | CH 518598   | CH 532998   |
|            |         |           | 2521.02 MHz                       | 2592.99 MHz | 2664.99 MHz |
| BPSK       | 1       | 1         | 25.06                             | 26.34       | 25.91       |
|            | 1       | 0         | 24.62                             | 25.83       | 25.46       |
| QPSK       | 1       | 1         | 25.18                             | 26.42       | 25.96       |
|            | 1       | 0         | 21.55                             | 22.97       | 22.42       |
|            | 1       | 67        | 25.04                             | 26.41       | 25.96       |
|            | 1       | 131       | 25.05                             | 26.44       | 25.95       |
|            | 1       | 132       | 21.6                              | 22.91       | 22.49       |
|            | 64      | 0         | 24.12                             | 25.31       | 24.98       |
|            | 64      | 35        | 25.09                             | 26.38       | 25.98       |
|            | 64      | 69        | 24.11                             | 25.33       | 25.04       |
|            | 128     | 0         | 24.17                             | 25.39       | 25.02       |
|            | 133     | 0         | 24.13                             | 25.35       | 25          |
| 16QAM      | 1       | 0         | 21.53                             | 22.9        | 22.43       |
| 64QAM      | 1       | 0         | 21.61                             | 22.85       | 22.45       |
| 256QAM     | 1       | 0         | 20.62                             | 21.85       | 21.42       |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 24.62                     | 26.34                     | 28.64              | 30.36              | 33.01            |
| QPSK         | 21.55                     | 26.44                     | 25.57              | 30.46              | 33.01            |
| 16QAM        | 21.53                     | 22.90                     | 25.55              | 26.92              | 33.01            |
| 64QAM        | 21.61                     | 22.85                     | 25.63              | 26.87              | 33.01            |
| 256QAM       | 20.62                     | 21.85                     | 24.64              | 25.87              | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n41 SCS 30 kHz, Ant. 3, Channel Bandwidth: 60 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |             |             |
|------------|---------|-----------|-----------------------------------|-------------|-------------|
|            |         |           | CH 505200                         | CH 518598   | CH 531996   |
|            |         |           | 2526 MHz                          | 2592.99 MHz | 2659.98 MHz |
| BPSK       | 1       | 1         | 25.1                              | 26.32       | 25.95       |
|            | 1       | 0         | 24.6                              | 25.89       | 25.46       |
| QPSK       | 1       | 1         | 25.12                             | 26.39       | 25.99       |
|            | 1       | 0         | 21.62                             | 22.89       | 22.47       |
|            | 1       | 81        | 25.09                             | 26.36       | 25.97       |
|            | 1       | 160       | 25.04                             | 26.46       | 25.94       |
|            | 1       | 161       | 21.58                             | 22.92       | 22.48       |
|            | 81      | 0         | 24.12                             | 25.3        | 24.91       |
|            | 81      | 41        | 25.15                             | 26.33       | 26.01       |
|            | 81      | 81        | 24.11                             | 25.41       | 24.96       |
|            | 162     | 0         | 24.17                             | 25.38       | 24.98       |
| 16QAM      | 1       | 0         | 21.58                             | 22.9        | 22.43       |
| 64QAM      | 1       | 0         | 21.56                             | 22.94       | 22.45       |
| 256QAM     | 1       | 0         | 20.56                             | 21.8        | 21.4        |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 24.60                     | 26.32                     | 28.62              | 30.34              | 33.01            |
| QPSK         | 21.58                     | 26.46                     | 25.60              | 30.48              | 33.01            |
| 16QAM        | 21.58                     | 22.90                     | 25.60              | 26.92              | 33.01            |
| 64QAM        | 21.56                     | 22.94                     | 25.58              | 26.96              | 33.01            |
| 256QAM       | 20.56                     | 21.80                     | 24.58              | 25.82              | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n41 SCS 30 kHz, Ant. 3, Channel Bandwidth: 70 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |             |           |
|------------|---------|-----------|-----------------------------------|-------------|-----------|
|            |         |           | CH 506202                         | CH 518598   | CH 531000 |
|            |         |           | 2531.01 MHz                       | 2592.99 MHz | 2655 MHz  |
| BPSK       | 1       | 1         | 25.06                             | 26.35       | 25.9      |
|            | 1       | 0         | 24.59                             | 25.84       | 25.46     |
| QPSK       | 1       | 1         | 25.17                             | 26.43       | 26.06     |
|            | 1       | 0         | 21.62                             | 22.91       | 22.37     |
|            | 1       | 95        | 25.04                             | 26.41       | 25.96     |
|            | 1       | 187       | 25.14                             | 26.45       | 25.92     |
|            | 1       | 188       | 21.59                             | 22.9        | 22.41     |
|            | 90      | 0         | 24.12                             | 25.29       | 24.93     |
|            | 90      | 50        | 25.13                             | 26.4        | 25.97     |
|            | 90      | 99        | 24.08                             | 25.32       | 25.05     |
|            | 180     | 0         | 24.17                             | 25.37       | 25.01     |
|            | 189     | 0         | 24.07                             | 25.41       | 24.92     |
| 16QAM      | 1       | 0         | 21.63                             | 22.89       | 22.45     |
| 64QAM      | 1       | 0         | 21.62                             | 22.87       | 22.52     |
| 256QAM     | 1       | 0         | 20.57                             | 21.88       | 21.4      |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 24.59                     | 26.35                     | 28.61              | 30.37              | 33.01            |
| QPSK         | 21.59                     | 26.45                     | 25.61              | 30.47              | 33.01            |
| 16QAM        | 21.63                     | 22.89                     | 25.65              | 26.91              | 33.01            |
| 64QAM        | 21.62                     | 22.87                     | 25.64              | 26.89              | 33.01            |
| 256QAM       | 20.57                     | 21.88                     | 24.59              | 25.90              | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n41 SCS 30 kHz, Ant. 3, Channel Bandwidth: 80 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |             |             |
|------------|---------|-----------|-----------------------------------|-------------|-------------|
|            |         |           | CH 507204                         | CH 518598   | CH 529998   |
|            |         |           | 2536.02 MHz                       | 2592.99 MHz | 2649.99 MHz |
| BPSK       | 1       | 1         | 25.13                             | 26.34       | 25.94       |
|            | 1       | 0         | 24.6                              | 25.88       | 25.42       |
| QPSK       | 1       | 1         | 25.12                             | 26.44       | 26.06       |
|            | 1       | 0         | 21.58                             | 22.91       | 22.38       |
|            | 1       | 109       | 25.12                             | 26.42       | 25.99       |
|            | 1       | 215       | 25.08                             | 26.43       | 25.94       |
|            | 1       | 216       | 21.63                             | 22.93       | 22.42       |
|            | 108     | 0         | 24.1                              | 25.39       | 24.93       |
|            | 108     | 55        | 25.13                             | 26.33       | 25.93       |
|            | 108     | 109       | 24.11                             | 25.33       | 25          |
|            | 216     | 0         | 24.14                             | 25.37       | 24.92       |
|            | 217     | 0         | 24.13                             | 25.4        | 25          |
| 16QAM      | 1       | 0         | 21.63                             | 22.85       | 22.43       |
| 64QAM      | 1       | 0         | 21.56                             | 22.95       | 22.52       |
| 256QAM     | 1       | 0         | 20.55                             | 21.83       | 21.41       |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 24.60                     | 26.34                     | 28.62              | 30.36              | 33.01            |
| QPSK         | 21.58                     | 26.44                     | 25.60              | 30.46              | 33.01            |
| 16QAM        | 21.63                     | 22.85                     | 25.65              | 26.87              | 33.01            |
| 64QAM        | 21.56                     | 22.95                     | 25.58              | 26.97              | 33.01            |
| 256QAM       | 20.55                     | 21.83                     | 24.57              | 25.85              | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n41 SCS 30 kHz, Ant. 3, Channel Bandwidth: 90 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |             |             |
|------------|---------|-----------|-----------------------------------|-------------|-------------|
|            |         |           | CH 508200                         | CH 518598   | CH 528996   |
|            |         |           | 2541 MHz                          | 2592.99 MHz | 2644.98 MHz |
| BPSK       | 1       | 1         | 25.09                             | 26.34       | 25.94       |
|            | 1       | 0         | 24.54                             | 25.91       | 25.42       |
| QPSK       | 1       | 1         | 25.15                             | 26.45       | 25.97       |
|            | 1       | 0         | 21.59                             | 22.89       | 22.37       |
|            | 1       | 123       | 25.09                             | 26.36       | 25.91       |
|            | 1       | 243       | 25.1                              | 26.41       | 25.92       |
|            | 1       | 244       | 21.59                             | 22.91       | 22.46       |
|            | 120     | 0         | 24.05                             | 25.36       | 24.97       |
|            | 120     | 63        | 25.07                             | 26.35       | 26          |
|            | 120     | 125       | 24.05                             | 25.32       | 25.02       |
|            | 243     | 0         | 24.15                             | 25.39       | 25.02       |
|            | 245     | 0         | 24.03                             | 25.33       | 24.9        |
| 16QAM      | 1       | 0         | 21.54                             | 22.83       | 22.47       |
| 64QAM      | 1       | 0         | 21.62                             | 22.9        | 22.44       |
| 256QAM     | 1       | 0         | 20.55                             | 21.85       | 21.45       |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 24.54                     | 26.34                     | 28.56              | 30.36              | 33.01            |
| QPSK         | 21.59                     | 26.45                     | 25.61              | 30.47              | 33.01            |
| 16QAM        | 21.54                     | 22.83                     | 25.56              | 26.85              | 33.01            |
| 64QAM        | 21.62                     | 22.90                     | 25.64              | 26.92              | 33.01            |
| 256QAM       | 20.55                     | 21.85                     | 24.57              | 25.87              | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n41 SCS 30 kHz, Ant. 3, Channel Bandwidth: 100 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |             |           |
|------------|---------|-----------|-----------------------------------|-------------|-----------|
|            |         |           | CH 509202                         | CH 518598   | CH 528000 |
|            |         |           | 2546.01 MHz                       | 2592.99 MHz | 2640 MHz  |
| BPSK       | 1       | 1         | 25.13                             | 26.39       | 25.96     |
|            | 1       | 0         | 24.62                             | 25.91       | 25.5      |
| QPSK       | 1       | 1         | 25.19                             | 26.49       | 26.06     |
|            | 1       | 0         | 21.62                             | 22.98       | 22.47     |
|            | 1       | 137       | 25.14                             | 26.46       | 26.01     |
|            | 1       | 271       | 25.14                             | 26.48       | 25.96     |
|            | 1       | 272       | 21.64                             | 22.99       | 22.49     |
|            | 135     | 0         | 24.13                             | 25.39       | 25.01     |
|            | 135     | 69        | 25.16                             | 26.43       | 26.03     |
|            | 135     | 138       | 24.15                             | 25.41       | 25.06     |
|            | 270     | 0         | 24.19                             | 25.43       | 25.02     |
|            | 273     | 0         | 24.13                             | 25.42       | 25        |
| 16QAM      | 1       | 0         | 21.63                             | 22.9        | 22.49     |
| 64QAM      | 1       | 0         | 21.65                             | 22.95       | 22.54     |
| 256QAM     | 1       | 0         | 20.63                             | 21.89       | 21.48     |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 24.62                     | 26.39                     | 28.64              | 30.41              | 33.01            |
| QPSK         | 21.62                     | 26.49                     | 25.64              | 30.51              | 33.01            |
| 16QAM        | 21.63                     | 22.90                     | 25.65              | 26.92              | 33.01            |
| 64QAM        | 21.65                     | 22.95                     | 25.67              | 26.97              | 33.01            |
| 256QAM       | 20.63                     | 21.89                     | 24.65              | 25.91              | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

### 7.1.13 NR n41 SCS 30 kHz (MIMO)

#### NR n41 SCS 30 kHz, MIMO, Channel Bandwidth: 20 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |       |       |             |       |       |             |       |       |
|------------|---------|-----------|-----------------------------------|-------|-------|-------------|-------|-------|-------------|-------|-------|
|            |         |           | CH 501204                         |       |       | CH 518598   |       |       | CH 535998   |       |       |
|            |         |           | 2506.02 MHz                       |       |       | 2592.99 MHz |       |       | 2679.99 MHz |       |       |
|            |         |           | TX 1                              | TX 2  | Total | TX 1        | TX 2  | Total | TX 1        | TX 2  | Total |
| QPSK       | 1       | 1         | 22.53                             | 22.77 | 25.66 | 22.6        | 23.7  | 26.2  | 23.22       | 23.49 | 26.37 |
|            | 1       | 0         | 21.52                             | 21.78 | 24.66 | 21.6        | 22.47 | 25.07 | 22.27       | 21.96 | 25.13 |
|            | 1       | 19        | 22.3                              | 22.53 | 25.43 | 22.45       | 23.6  | 26.07 | 23.21       | 23.49 | 26.36 |
|            | 1       | 36        | 22.41                             | 22.53 | 25.48 | 22.39       | 23.41 | 25.94 | 23.16       | 23.41 | 26.3  |
|            | 1       | 37        | 22.23                             | 22.72 | 25.49 | 22.41       | 23.52 | 26.01 | 23.14       | 22.88 | 26.02 |
|            | 18      | 0         | 21.51                             | 21.86 | 24.7  | 21.46       | 22.54 | 25.04 | 22.2        | 22.45 | 25.34 |
|            | 18      | 10        | 22.44                             | 22.68 | 25.57 | 22.42       | 23.55 | 26.03 | 23.18       | 23.35 | 26.28 |
|            | 18      | 20        | 21.46                             | 21.9  | 24.7  | 21.51       | 22.42 | 25    | 22.15       | 22.31 | 25.24 |
|            | 36      | 0         | 21.41                             | 21.9  | 24.67 | 21.42       | 22.47 | 24.99 | 21.94       | 22.51 | 25.24 |
|            | 38      | 0         | 21.37                             | 21.98 | 24.7  | 21.29       | 22.3  | 24.83 | 22.24       | 21.75 | 25.01 |
| 16QAM      | 1       | 0         | 20.57                             | 20.84 | 23.72 | 20.44       | 21.61 | 24.07 | 21.24       | 21.39 | 24.33 |
| 64QAM      | 1       | 0         | 20.22                             | 20.37 | 23.31 | 20.13       | 20.91 | 23.55 | 20.59       | 21.06 | 23.84 |
| 256QAM     | 1       | 0         | 18.4                              | 18.99 | 21.72 | 18.12       | 19.03 | 21.61 | 18.5        | 19.01 | 21.77 |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| QPSK         | 24.66                     | 26.37                     | 28.68              | 30.39              | 33.01            |
| 16QAM        | 23.72                     | 24.33                     | 27.74              | 28.35              | 33.01            |
| 64QAM        | 23.31                     | 23.84                     | 27.33              | 27.86              | 33.01            |
| 256QAM       | 21.61                     | 21.77                     | 25.63              | 25.79              | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n41 SCS 30 kHz, MIMO, Channel Bandwidth: 30 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |       |       |             |       |       |             |       |       |
|------------|---------|-----------|-----------------------------------|-------|-------|-------------|-------|-------|-------------|-------|-------|
|            |         |           | CH 502200                         |       |       | CH 518598   |       |       | CH 534996   |       |       |
|            |         |           | 2511 MHz                          |       |       | 2592.99 MHz |       |       | 2674.98 MHz |       |       |
|            |         |           | TX 1                              | TX 2  | Total | TX 1        | TX 2  | Total | TX 1        | TX 2  | Total |
| QPSK       | 1       | 1         | 22.55                             | 22.8  | 25.69 | 22.63       | 23.74 | 26.23 | 23.24       | 23.53 | 26.4  |
|            | 1       | 0         | 21.61                             | 21.82 | 24.73 | 21.65       | 22.55 | 25.13 | 22.32       | 21.99 | 25.17 |
|            | 1       | 39        | 22.37                             | 22.57 | 25.48 | 22.52       | 23.62 | 26.12 | 23.12       | 23.55 | 26.35 |
|            | 1       | 76        | 22.42                             | 22.63 | 25.54 | 22.41       | 23.48 | 25.99 | 23.13       | 23.42 | 26.29 |
|            | 1       | 77        | 22.31                             | 22.8  | 25.57 | 22.46       | 23.62 | 26.09 | 23.1        | 22.89 | 26.01 |
|            | 36      | 0         | 21.51                             | 21.89 | 24.71 | 21.56       | 22.62 | 25.13 | 22.19       | 22.52 | 25.37 |
|            | 36      | 21        | 22.53                             | 22.76 | 25.66 | 22.5        | 23.6  | 26.1  | 23.08       | 23.38 | 26.24 |
|            | 36      | 42        | 21.5                              | 21.99 | 24.76 | 21.54       | 22.52 | 25.07 | 22.19       | 22.41 | 25.31 |
|            | 75      | 0         | 21.5                              | 21.92 | 24.73 | 21.51       | 22.51 | 25.05 | 21.97       | 22.56 | 25.29 |
|            | 78      | 0         | 21.46                             | 22.05 | 24.78 | 21.36       | 22.37 | 24.9  | 22.16       | 21.83 | 25.01 |
| 16QAM      | 1       | 0         | 20.63                             | 20.87 | 23.76 | 20.52       | 21.64 | 24.13 | 21.27       | 21.48 | 24.39 |
| 64QAM      | 1       | 0         | 20.3                              | 20.41 | 23.37 | 20.14       | 20.96 | 23.58 | 20.63       | 21.08 | 23.87 |
| 256QAM     | 1       | 0         | 18.44                             | 19.07 | 21.78 | 18.15       | 19.08 | 21.65 | 18.63       | 19.11 | 21.89 |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| QPSK         | 24.71                     | 26.4                      | 28.73              | 30.42              | 33.01            |
| 16QAM        | 23.76                     | 24.39                     | 27.78              | 28.41              | 33.01            |
| 64QAM        | 23.37                     | 23.87                     | 27.39              | 27.89              | 33.01            |
| 256QAM       | 21.65                     | 21.89                     | 25.67              | 25.91              | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n41 SCS 30 kHz, MIMO, Channel Bandwidth: 40 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |       |       |             |       |       |           |       |       |
|------------|---------|-----------|-----------------------------------|-------|-------|-------------|-------|-------|-----------|-------|-------|
|            |         |           | CH 503202                         |       |       | CH 518598   |       |       | CH 534000 |       |       |
|            |         |           | 2516.01 MHz                       |       |       | 2592.99 MHz |       |       | 2670 MHz  |       |       |
|            |         |           | TX 1                              | TX 2  | Total | TX 1        | TX 2  | Total | TX 1      | TX 2  | Total |
| QPSK       | 1       | 1         | 22.58                             | 22.84 | 25.72 | 22.69       | 23.77 | 26.27 | 23.41     | 23.15 | 26.29 |
|            | 1       | 0         | 21.7                              | 21.92 | 24.82 | 21.75       | 22.56 | 25.18 | 22.4      | 22.08 | 25.25 |
|            | 1       | 53        | 22.45                             | 22.66 | 25.57 | 22.59       | 23.66 | 26.17 | 23.35     | 23.15 | 26.26 |
|            | 1       | 104       | 22.51                             | 22.65 | 25.59 | 22.44       | 23.58 | 26.06 | 23.22     | 23.47 | 26.36 |
|            | 1       | 105       | 22.38                             | 22.83 | 25.62 | 22.5        | 23.69 | 26.15 | 23.25     | 22.93 | 26.1  |
|            | 50      | 0         | 21.58                             | 21.93 | 24.77 | 21.58       | 22.64 | 25.15 | 22.35     | 22.53 | 25.45 |
|            | 50      | 28        | 22.53                             | 22.76 | 25.66 | 22.55       | 23.62 | 26.13 | 23.27     | 23.45 | 26.37 |
|            | 50      | 56        | 21.52                             | 22    | 24.78 | 21.54       | 22.54 | 25.08 | 22.29     | 22.43 | 25.37 |
|            | 100     | 0         | 21.58                             | 21.99 | 24.8  | 21.54       | 22.52 | 25.07 | 22.18     | 22.57 | 25.39 |
|            | 106     | 0         | 21.46                             | 22.09 | 24.8  | 21.46       | 22.45 | 24.99 | 22.3      | 21.89 | 25.11 |
| 16QAM      | 1       | 0         | 20.71                             | 20.87 | 23.8  | 20.54       | 21.74 | 24.19 | 21.42     | 21.55 | 24.5  |
| 64QAM      | 1       | 0         | 20.31                             | 20.5  | 23.42 | 20.16       | 21.06 | 23.64 | 20.77     | 21.14 | 23.97 |
| 256QAM     | 1       | 0         | 18.5                              | 19.07 | 21.8  | 18.19       | 19.17 | 21.72 | 18.73     | 19.17 | 21.97 |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| QPSK         | 24.77                     | 26.37                     | 28.79              | 30.39              | 33.01            |
| 16QAM        | 23.8                      | 24.5                      | 27.82              | 28.52              | 33.01            |
| 64QAM        | 23.42                     | 23.97                     | 27.44              | 27.99              | 33.01            |
| 256QAM       | 21.72                     | 21.97                     | 25.74              | 25.99              | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

# NR n41 SCS 30 kHz, MIMO, Channel Bandwidth: 50 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |       |       |             |       |       |             |       |       |
|------------|---------|-----------|-----------------------------------|-------|-------|-------------|-------|-------|-------------|-------|-------|
|            |         |           | CH 504204                         |       |       | CH 518598   |       |       | CH 532998   |       |       |
|            |         |           | 2521.02 MHz                       |       |       | 2592.99 MHz |       |       | 2664.99 MHz |       |       |
|            |         |           | TX 1                              | TX 2  | Total | TX 1        | TX 2  | Total | TX 1        | TX 2  | Total |
| QPSK       | 1       | 1         | 22.62                             | 22.93 | 25.79 | 22.71       | 23.8  | 26.3  | 23.32       | 23.1  | 26.22 |
|            | 1       | 0         | 21.72                             | 22    | 24.87 | 21.75       | 22.62 | 25.22 | 22.36       | 22.09 | 25.24 |
|            | 1       | 67        | 22.5                              | 22.76 | 25.64 | 22.67       | 23.75 | 26.25 | 23.33       | 23.18 | 26.27 |
|            | 1       | 131       | 22.57                             | 22.75 | 25.67 | 22.5        | 23.63 | 26.11 | 23.18       | 23.55 | 26.38 |
|            | 1       | 132       | 22.41                             | 22.85 | 25.65 | 22.57       | 23.7  | 26.18 | 23.24       | 22.99 | 26.13 |
|            | 64      | 0         | 21.64                             | 21.99 | 24.83 | 21.62       | 22.64 | 25.17 | 22.25       | 22.6  | 25.44 |
|            | 64      | 35        | 22.53                             | 22.84 | 25.7  | 22.56       | 23.71 | 26.18 | 23.21       | 23.51 | 26.37 |
|            | 64      | 69        | 21.52                             | 22.05 | 24.8  | 21.54       | 22.59 | 25.11 | 22.2        | 22.48 | 25.35 |
|            | 128     | 0         | 21.64                             | 22.01 | 24.84 | 21.59       | 22.53 | 25.1  | 22.29       | 22.64 | 25.48 |
|            | 133     | 0         | 21.56                             | 22.14 | 24.87 | 21.51       | 22.49 | 25.04 | 22.23       | 21.94 | 25.1  |
| 16QAM      | 1       | 0         | 20.76                             | 20.97 | 23.88 | 20.57       | 21.75 | 24.21 | 21.52       | 21.55 | 24.55 |
| 64QAM      | 1       | 0         | 20.31                             | 20.56 | 23.45 | 20.19       | 21.11 | 23.68 | 20.77       | 21.14 | 23.97 |
| 256QAM     | 1       | 0         | 18.6                              | 19.17 | 21.9  | 18.21       | 19.22 | 21.75 | 18.7        | 19.25 | 21.99 |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| QPSK         | 24.8                      | 26.38                     | 28.82              | 30.4               | 33.01            |
| 16QAM        | 23.88                     | 24.55                     | 27.9               | 28.57              | 33.01            |
| 64QAM        | 23.45                     | 23.97                     | 27.47              | 27.99              | 33.01            |
| 256QAM       | 21.75                     | 21.99                     | 25.77              | 26.01              | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

# NR n41 SCS 30 kHz, MIMO, Channel Bandwidth: 60 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |       |       |             |       |       |             |       |       |
|------------|---------|-----------|-----------------------------------|-------|-------|-------------|-------|-------|-------------|-------|-------|
|            |         |           | CH 505200                         |       |       | CH 518598   |       |       | CH 531996   |       |       |
|            |         |           | 2526 MHz                          |       |       | 2592.99 MHz |       |       | 2659.98 MHz |       |       |
|            |         |           | TX 1                              | TX 2  | Total | TX 1        | TX 2  | Total | TX 1        | TX 2  | Total |
| QPSK       | 1       | 1         | 22.64                             | 22.96 | 25.81 | 22.76       | 23.85 | 26.35 | 23.36       | 23.12 | 26.25 |
|            | 1       | 0         | 21.73                             | 22.1  | 24.93 | 21.77       | 22.68 | 25.26 | 22.44       | 22.13 | 25.3  |
|            | 1       | 81        | 22.53                             | 22.84 | 25.7  | 22.7        | 23.81 | 26.3  | 23.33       | 23.12 | 26.24 |
|            | 1       | 160       | 22.62                             | 22.81 | 25.73 | 22.59       | 23.64 | 26.16 | 23.22       | 23.64 | 26.45 |
|            | 1       | 161       | 22.47                             | 22.86 | 25.68 | 22.58       | 23.77 | 26.23 | 23.26       | 22.85 | 26.07 |
|            | 81      | 0         | 21.65                             | 22    | 24.84 | 21.68       | 22.68 | 25.22 | 22.3        | 22.66 | 25.49 |
|            | 81      | 41        | 22.56                             | 22.83 | 25.71 | 22.64       | 23.73 | 26.23 | 23.32       | 23.6  | 26.47 |
|            | 81      | 81        | 21.6                              | 22.05 | 24.84 | 21.58       | 22.61 | 25.14 | 22.28       | 22.53 | 25.42 |
|            | 162     | 0         | 21.63                             | 22.11 | 24.89 | 21.68       | 22.64 | 25.2  | 22.19       | 22.65 | 25.44 |
| 16QAM      | 1       | 0         | 20.8                              | 21    | 23.91 | 20.64       | 21.78 | 24.26 | 21.51       | 21.62 | 24.58 |
| 64QAM      | 1       | 0         | 20.34                             | 20.6  | 23.48 | 20.29       | 21.17 | 23.76 | 20.74       | 21.21 | 23.99 |
| 256QAM     | 1       | 0         | 18.65                             | 19.21 | 21.95 | 18.27       | 19.27 | 21.81 | 18.65       | 19.31 | 22    |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| QPSK         | 24.84                     | 26.47                     | 28.86              | 30.49              | 33.01            |
| 16QAM        | 23.91                     | 24.58                     | 27.93              | 28.6               | 33.01            |
| 64QAM        | 23.48                     | 23.99                     | 27.5               | 28.01              | 33.01            |
| 256QAM       | 21.81                     | 22                        | 25.83              | 26.02              | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n41 SCS 30 kHz, MIMO, Channel Bandwidth: 70 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |       |       |             |       |       |           |       |       |
|------------|---------|-----------|-----------------------------------|-------|-------|-------------|-------|-------|-----------|-------|-------|
|            |         |           | CH 506202                         |       |       | CH 518598   |       |       | CH 531000 |       |       |
|            |         |           | 2531.01 MHz                       |       |       | 2592.99 MHz |       |       | 2655 MHz  |       |       |
|            |         |           | TX 1                              | TX 2  | Total | TX 1        | TX 2  | Total | TX 1      | TX 2  | Total |
| QPSK       | 1       | 1         | 22.66                             | 22.99 | 25.84 | 22.78       | 23.88 | 26.38 | 23.33     | 23.11 | 26.23 |
|            | 1       | 0         | 21.77                             | 22.15 | 24.97 | 21.78       | 22.75 | 25.3  | 22.41     | 22.14 | 25.29 |
|            | 1       | 95        | 22.63                             | 22.86 | 25.76 | 22.75       | 23.81 | 26.32 | 23.29     | 23.15 | 26.23 |
|            | 1       | 187       | 22.64                             | 22.84 | 25.75 | 22.66       | 23.69 | 26.22 | 23.25     | 23.13 | 26.2  |
|            | 1       | 188       | 22.48                             | 22.89 | 25.7  | 22.64       | 23.77 | 26.25 | 23.15     | 22.87 | 26.02 |
|            | 90      | 0         | 21.67                             | 22.1  | 24.9  | 21.78       | 22.71 | 25.28 | 22.31     | 22.69 | 25.51 |
|            | 90      | 50        | 22.57                             | 22.86 | 25.73 | 22.64       | 23.79 | 26.26 | 23.18     | 23.65 | 26.43 |
|            | 90      | 99        | 21.65                             | 22.1  | 24.89 | 21.65       | 22.71 | 25.22 | 22.19     | 22.62 | 25.42 |
|            | 180     | 0         | 21.79                             | 22.19 | 25    | 21.76       | 22.66 | 25.24 | 22.22     | 22.73 | 25.49 |
|            | 189     | 0         | 21.63                             | 22.2  | 24.93 | 21.57       | 22.66 | 25.16 | 22.16     | 21.95 | 25.07 |
| 16QAM      | 1       | 0         | 20.82                             | 21.1  | 23.97 | 20.65       | 21.8  | 24.27 | 21.44     | 21.64 | 24.55 |
| 64QAM      | 1       | 0         | 20.36                             | 20.66 | 23.52 | 20.37       | 21.19 | 23.81 | 20.86     | 21.25 | 24.07 |
| 256QAM     | 1       | 0         | 18.75                             | 19.22 | 22    | 18.37       | 19.29 | 21.86 | 18.65     | 19.32 | 22.01 |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| QPSK         | 24.89                     | 26.43                     | 28.91              | 30.45              | 33.01            |
| 16QAM        | 23.97                     | 24.55                     | 27.99              | 28.57              | 33.01            |
| 64QAM        | 23.52                     | 24.07                     | 27.54              | 28.09              | 33.01            |
| 256QAM       | 21.86                     | 22.01                     | 25.88              | 26.03              | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n41 SCS 30 kHz, MIMO, Channel Bandwidth: 80 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |       |       |             |       |       |             |       |       |
|------------|---------|-----------|-----------------------------------|-------|-------|-------------|-------|-------|-------------|-------|-------|
|            |         |           | CH 507204                         |       |       | CH 518598   |       |       | CH 529998   |       |       |
|            |         |           | 2536.02 MHz                       |       |       | 2592.99 MHz |       |       | 2649.99 MHz |       |       |
|            |         |           | TX 1                              | TX 2  | Total | TX 1        | TX 2  | Total | TX 1        | TX 2  | Total |
| QPSK       | 1       | 1         | 22.7                              | 23.01 | 25.87 | 22.8        | 23.91 | 26.4  | 23.47       | 23.12 | 26.31 |
|            | 1       | 0         | 21.85                             | 22.16 | 25.02 | 21.83       | 22.8  | 25.35 | 22.5        | 22.13 | 25.33 |
|            | 1       | 109       | 22.69                             | 22.94 | 25.83 | 22.82       | 23.88 | 26.39 | 23.43       | 23.19 | 26.32 |
|            | 1       | 215       | 22.69                             | 22.9  | 25.81 | 22.73       | 23.76 | 26.29 | 23.33       | 23.14 | 26.25 |
|            | 1       | 216       | 22.58                             | 22.89 | 25.75 | 22.74       | 23.82 | 26.32 | 23.3        | 22.9  | 26.11 |
|            | 108     | 0         | 21.75                             | 22.17 | 24.98 | 21.86       | 22.77 | 25.35 | 22.37       | 22.78 | 25.59 |
|            | 108     | 55        | 22.66                             | 22.86 | 25.77 | 22.73       | 23.83 | 26.33 | 23.33       | 23.13 | 26.24 |
|            | 108     | 109       | 21.73                             | 22.14 | 24.95 | 21.74       | 22.74 | 25.28 | 22.34       | 22.71 | 25.54 |
|            | 216     | 0         | 21.81                             | 22.25 | 25.05 | 21.79       | 22.67 | 25.26 | 22.33       | 22.74 | 25.55 |
|            | 217     | 0         | 21.71                             | 22.21 | 24.98 | 21.67       | 22.69 | 25.22 | 22.3        | 21.84 | 25.09 |
| 16QAM      | 1       | 0         | 20.88                             | 21.2  | 24.05 | 20.7        | 21.82 | 24.31 | 21.56       | 21.71 | 24.65 |
| 64QAM      | 1       | 0         | 20.41                             | 20.68 | 23.56 | 20.44       | 21.29 | 23.9  | 20.88       | 21.3  | 24.11 |
| 256QAM     | 1       | 0         | 18.84                             | 19.26 | 22.07 | 18.44       | 19.35 | 21.93 | 18.76       | 19.37 | 22.09 |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| QPSK         | 24.95                     | 26.4                      | 28.97              | 30.42              | 33.01            |
| 16QAM        | 24.05                     | 24.65                     | 28.07              | 28.67              | 33.01            |
| 64QAM        | 23.56                     | 24.11                     | 27.58              | 28.13              | 33.01            |
| 256QAM       | 21.93                     | 22.09                     | 25.95              | 26.11              | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n41 SCS 30 kHz, MIMO, Channel Bandwidth: 90 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |       |       |             |       |       |             |       |       |
|------------|---------|-----------|-----------------------------------|-------|-------|-------------|-------|-------|-------------|-------|-------|
|            |         |           | CH 508200                         |       |       | CH 518598   |       |       | CH 528996   |       |       |
|            |         |           | 2541 MHz                          |       |       | 2592.99 MHz |       |       | 2644.98 MHz |       |       |
|            |         |           | TX 1                              | TX 2  | Total | TX 1        | TX 2  | Total | TX 1        | TX 2  | Total |
| QPSK       | 1       | 1         | 22.74                             | 23.03 | 25.9  | 22.85       | 23.96 | 26.45 | 23.43       | 23.16 | 26.31 |
|            | 1       | 0         | 21.91                             | 22.24 | 25.09 | 21.92       | 22.84 | 25.41 | 22.45       | 22.79 | 25.63 |
|            | 1       | 123       | 22.76                             | 23.03 | 25.91 | 22.85       | 23.88 | 26.41 | 23.39       | 23.13 | 26.27 |
|            | 1       | 243       | 22.74                             | 22.95 | 25.86 | 22.76       | 23.85 | 26.35 | 23.35       | 23.12 | 26.25 |
|            | 1       | 244       | 22.62                             | 22.94 | 25.79 | 22.81       | 23.82 | 26.35 | 23.38       | 23.07 | 26.24 |
|            | 120     | 0         | 21.82                             | 22.19 | 25.02 | 21.86       | 22.82 | 25.38 | 22.37       | 22.79 | 25.6  |
|            | 120     | 63        | 22.72                             | 22.91 | 25.83 | 22.76       | 23.83 | 26.34 | 23.29       | 23.11 | 26.21 |
|            | 120     | 125       | 21.82                             | 22.21 | 25.03 | 21.83       | 22.82 | 25.36 | 22.38       | 22.78 | 25.59 |
|            | 243     | 0         | 21.9                              | 22.28 | 25.1  | 21.86       | 22.71 | 25.32 | 22.37       | 22.74 | 25.57 |
|            | 245     | 0         | 21.79                             | 22.23 | 25.03 | 21.77       | 22.73 | 25.29 | 22.34       | 22.79 | 25.58 |
| 16QAM      | 1       | 0         | 20.97                             | 21.3  | 24.15 | 20.8        | 21.83 | 24.36 | 21.47       | 21.72 | 24.61 |
| 64QAM      | 1       | 0         | 20.44                             | 20.71 | 23.59 | 20.48       | 21.34 | 23.94 | 20.87       | 21.3  | 24.1  |
| 256QAM     | 1       | 0         | 18.92                             | 19.32 | 22.13 | 18.48       | 19.39 | 21.97 | 18.86       | 19.46 | 22.18 |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| QPSK         | 25.02                     | 26.45                     | 29.04              | 30.47              | 33.01            |
| 16QAM        | 24.15                     | 24.61                     | 28.17              | 28.63              | 33.01            |
| 64QAM        | 23.59                     | 24.1                      | 27.61              | 28.12              | 33.01            |
| 256QAM       | 21.97                     | 22.18                     | 25.99              | 26.2               | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n41 SCS 30 kHz, MIMO, Channel Bandwidth: 100 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |       |       |             |       |       |           |       |       |
|------------|---------|-----------|-----------------------------------|-------|-------|-------------|-------|-------|-----------|-------|-------|
|            |         |           | CH 509202                         |       |       | CH 518598   |       |       | CH 528000 |       |       |
|            |         |           | 2546.01 MHz                       |       |       | 2592.99 MHz |       |       | 2640 MHz  |       |       |
|            |         |           | TX 1                              | TX 2  | Total | TX 1        | TX 2  | Total | TX 1      | TX 2  | Total |
| QPSK       | 1       | 1         | 22.78                             | 23.06 | 25.93 | 22.88       | 23.98 | 26.48 | 23.48     | 23.14 | 26.32 |
|            | 1       | 0         | 21.93                             | 22.3  | 25.13 | 21.96       | 22.88 | 25.45 | 22.52     | 22.23 | 25.39 |
|            | 1       | 137       | 22.76                             | 23.03 | 25.91 | 22.86       | 23.95 | 26.45 | 23.46     | 23.12 | 26.3  |
|            | 1       | 271       | 22.74                             | 23.01 | 25.89 | 22.83       | 23.93 | 26.43 | 23.42     | 23.08 | 26.26 |
|            | 1       | 272       | 22.72                             | 22.98 | 25.86 | 22.81       | 23.9  | 26.4  | 23.39     | 23.05 | 26.23 |
|            | 135     | 0         | 21.91                             | 22.27 | 25.1  | 21.94       | 22.84 | 25.42 | 22.47     | 22.21 | 25.35 |
|            | 135     | 69        | 22.76                             | 22.96 | 25.87 | 22.78       | 23.87 | 26.37 | 23.36     | 23.03 | 26.21 |
|            | 135     | 138       | 21.86                             | 22.24 | 25.06 | 21.91       | 22.82 | 25.4  | 22.43     | 22.17 | 25.31 |
|            | 270     | 0         | 21.91                             | 22.3  | 25.12 | 21.89       | 22.79 | 25.37 | 22.4      | 22.14 | 25.28 |
|            | 273     | 0         | 21.87                             | 22.27 | 25.08 | 21.86       | 22.76 | 25.34 | 22.37     | 22.09 | 25.24 |
| 16QAM      | 1       | 0         | 21.03                             | 21.33 | 24.19 | 20.89       | 21.84 | 24.4  | 21.56     | 21.16 | 24.37 |
| 64QAM      | 1       | 0         | 20.47                             | 20.74 | 23.62 | 20.5        | 21.42 | 23.99 | 20.96     | 20.7  | 23.84 |
| 256QAM     | 1       | 0         | 19                                | 19.33 | 22.18 | 18.56       | 19.4  | 22.01 | 18.86     | 18.73 | 21.81 |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| QPSK         | 25.06                     | 26.48                     | 29.08              | 30.5               | 33.01            |
| 16QAM        | 24.19                     | 24.4                      | 28.21              | 28.42              | 33.01            |
| 64QAM        | 23.62                     | 23.99                     | 27.64              | 28.01              | 33.01            |
| 256QAM       | 21.81                     | 22.18                     | 25.83              | 26.2               | 33.01            |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

# 7.1.14 NR n66 SCS 15 kHz

## NR n66 SCS 15 kHz, Channel Bandwidth: 5 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |            |
|------------|---------|-----------|-----------------------------------|-----------|------------|
|            |         |           | CH 342500                         | CH 349000 | CH 355500  |
|            |         |           | 1712.5 MHz                        | 1745 MHz  | 1777.5 MHz |
| BPSK       | 1       | 1         | 24.29                             | 24.42     | 24.1       |
|            | 1       | 0         | 23.76                             | 24.03     | 23.68      |
| QPSK       | 1       | 1         | 24.27                             | 24.52     | 24.2       |
|            | 1       | 0         | 23.54                             | 23.82     | 23.48      |
|            | 1       | 13        | 24.27                             | 24.34     | 24.06      |
|            | 1       | 23        | 24.15                             | 24.45     | 24.07      |
|            | 1       | 24        | 24.05                             | 24.41     | 23.95      |
|            | 12      | 0         | 23.59                             | 23.8      | 23.38      |
|            | 12      | 7         | 24.26                             | 24.41     | 24.07      |
|            | 12      | 13        | 23.51                             | 23.69     | 23.32      |
|            | 25      | 0         | 23.42                             | 23.62     | 23.3       |
| 16QAM      | 1       | 0         | 22.54                             | 22.71     | 22.4       |
| 64QAM      | 1       | 0         | 22.18                             | 22.38     | 22.13      |
| 256QAM     | 1       | 0         | 20.45                             | 20.59     | 20.3       |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 23.68                     | 24.42                     | 24.10              | 24.84              | 30               |
| QPSK         | 23.30                     | 24.52                     | 23.72              | 24.94              | 30               |
| 16QAM        | 22.40                     | 22.71                     | 22.82              | 23.13              | 30               |
| 64QAM        | 22.13                     | 22.38                     | 22.55              | 22.80              | 30               |
| 256QAM       | 20.30                     | 20.59                     | 20.72              | 21.01              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

# NR n66 SCS 15 kHz, Channel Bandwidth: 10 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |           |
|------------|---------|-----------|-----------------------------------|-----------|-----------|
|            |         |           | CH 343000                         | CH 349000 | CH 355000 |
|            |         |           | 1715 MHz                          | 1745 MHz  | 1775 MHz  |
| BPSK       | 1       | 1         | 24.34                             | 24.44     | 24.1      |
|            | 1       | 0         | 23.82                             | 24.05     | 23.71     |
| QPSK       | 1       | 1         | 24.3                              | 24.59     | 24.22     |
|            | 1       | 0         | 23.59                             | 23.87     | 23.55     |
|            | 1       | 26        | 24.33                             | 24.4      | 24.11     |
|            | 1       | 50        | 24.22                             | 24.45     | 24.1      |
|            | 1       | 51        | 24.11                             | 24.45     | 24.01     |
|            | 25      | 0         | 23.64                             | 23.8      | 23.46     |
|            | 25      | 14        | 24.34                             | 24.42     | 24.11     |
|            | 25      | 27        | 23.57                             | 23.72     | 23.4      |
|            | 50      | 0         | 23.52                             | 23.69     | 23.36     |
|            | 52      | 0         | 23.53                             | 23.63     | 23.37     |
| 16QAM      | 1       | 0         | 22.56                             | 22.75     | 22.4      |
| 64QAM      | 1       | 0         | 22.28                             | 22.42     | 22.16     |
| 256QAM     | 1       | 0         | 20.46                             | 20.62     | 20.37     |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 23.71                     | 24.44                     | 24.13              | 24.86              | 30               |
| QPSK         | 23.36                     | 24.59                     | 23.78              | 25.01              | 30               |
| 16QAM        | 22.40                     | 22.75                     | 22.82              | 23.17              | 30               |
| 64QAM        | 22.16                     | 22.42                     | 22.58              | 22.84              | 30               |
| 256QAM       | 20.37                     | 20.62                     | 20.79              | 21.04              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

# NR n66 SCS 15 kHz, Channel Bandwidth: 15 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |            |
|------------|---------|-----------|-----------------------------------|-----------|------------|
|            |         |           | CH 343500                         | CH 349000 | CH 354500  |
|            |         |           | 1717.5 MHz                        | 1745 MHz  | 1772.5 MHz |
| BPSK       | 1       | 1         | 24.35                             | 24.46     | 24.15      |
|            | 1       | 0         | 23.9                              | 24.06     | 23.81      |
| QPSK       | 1       | 1         | 24.35                             | 24.62     | 24.22      |
|            | 1       | 0         | 23.67                             | 23.88     | 23.56      |
|            | 1       | 40        | 24.39                             | 24.5      | 24.17      |
|            | 1       | 77        | 24.29                             | 24.5      | 24.16      |
|            | 1       | 78        | 24.21                             | 24.46     | 24.11      |
|            | 36      | 0         | 23.66                             | 23.82     | 23.51      |
|            | 36      | 22        | 24.35                             | 24.46     | 24.2       |
|            | 36      | 43        | 23.63                             | 23.81     | 23.5       |
|            | 75      | 0         | 23.54                             | 23.75     | 23.44      |
|            | 79      | 0         | 23.53                             | 23.69     | 23.38      |
| 16QAM      | 1       | 0         | 22.66                             | 22.83     | 22.5       |
| 64QAM      | 1       | 0         | 22.32                             | 22.5      | 22.17      |
| 256QAM     | 1       | 0         | 20.48                             | 20.65     | 20.38      |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 23.81                     | 24.46                     | 24.23              | 24.88              | 30               |
| QPSK         | 23.38                     | 24.62                     | 23.80              | 25.04              | 30               |
| 16QAM        | 22.50                     | 22.83                     | 22.92              | 23.25              | 30               |
| 64QAM        | 22.17                     | 22.50                     | 22.59              | 22.92              | 30               |
| 256QAM       | 20.38                     | 20.65                     | 20.80              | 21.07              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

# NR n66 SCS 15 kHz, Channel Bandwidth: 20 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |           |
|------------|---------|-----------|-----------------------------------|-----------|-----------|
|            |         |           | CH 344000                         | CH 349000 | CH 354000 |
|            |         |           | 1720 MHz                          | 1745 MHz  | 1770 MHz  |
| BPSK       | 1       | 1         | 24.38                             | 24.52     | 24.19     |
|            | 1       | 0         | 23.95                             | 24.11     | 23.81     |
| QPSK       | 1       | 1         | 24.45                             | 24.65     | 24.26     |
|            | 1       | 0         | 23.72                             | 23.91     | 23.57     |
|            | 1       | 53        | 24.42                             | 24.6      | 24.23     |
|            | 1       | 104       | 24.38                             | 24.52     | 24.26     |
|            | 1       | 105       | 24.26                             | 24.5      | 24.11     |
|            | 50      | 0         | 23.71                             | 23.86     | 23.6      |
|            | 50      | 28        | 24.41                             | 24.56     | 24.28     |
|            | 50      | 56        | 23.65                             | 23.82     | 23.51     |
|            | 100     | 0         | 23.63                             | 23.78     | 23.49     |
|            | 106     | 0         | 23.59                             | 23.75     | 23.46     |
| 16QAM      | 1       | 0         | 22.72                             | 22.93     | 22.53     |
| 64QAM      | 1       | 0         | 22.35                             | 22.55     | 22.23     |
| 256QAM     | 1       | 0         | 20.55                             | 20.73     | 20.44     |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 23.81                     | 24.52                     | 24.23              | 24.94              | 30               |
| QPSK         | 23.46                     | 24.65                     | 23.88              | 25.07              | 30               |
| 16QAM        | 22.53                     | 22.93                     | 22.95              | 23.35              | 30               |
| 64QAM        | 22.23                     | 22.55                     | 22.65              | 22.97              | 30               |
| 256QAM       | 20.44                     | 20.73                     | 20.86              | 21.15              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

# 7.1.15 NR n70 SCS 15 kHz

## NR n70 SCS 15 kHz, Channel Bandwidth: 15 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |
|------------|---------|-----------|-----------------------------------|
|            |         |           | CH 340500                         |
|            |         |           | 1702.5 MHz                        |
| BPSK       | 1       | 1         | 25.41                             |
|            | 1       | 0         | 25.05                             |
| QPSK       | 1       | 1         | 25.49                             |
|            | 1       | 0         | 24.69                             |
|            | 1       | 40        | 25.46                             |
|            | 1       | 77        | 25.4                              |
|            | 1       | 78        | 25.35                             |
|            | 36      | 0         | 24.65                             |
|            | 36      | 22        | 25.43                             |
|            | 36      | 43        | 24.61                             |
|            | 75      | 0         | 24.58                             |
|            | 79      | 0         | 24.52                             |
| 16QAM      | 1       | 0         | 23.6                              |
| 64QAM      | 1       | 0         | 23.03                             |
| 256QAM     | 1       | 0         | 20.96                             |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 25.05                     | 25.41                     | 22.51              | 22.87              | 30               |
| QPSK         | 24.52                     | 25.49                     | 21.98              | 22.95              | 30               |
| 16QAM        | 23.6                      | 23.6                      | 21.06              | 21.06              | 30               |
| 64QAM        | 23.03                     | 23.03                     | 20.49              | 20.49              | 30               |
| 256QAM       | 20.96                     | 20.96                     | 18.42              | 18.42              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

## 7.1.16 NR n71 SCS 15 kHz

## NR n71 SCS 15 kHz, Channel Bandwidth: 5 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |           |
|------------|---------|-----------|-----------------------------------|-----------|-----------|
|            |         |           | CH 133100                         | CH 136100 | CH 139100 |
|            |         |           | 665.5 MHz                         | 680.5 MHz | 695.5 MHz |
| BPSK       | 1       | 1         | 24.36                             | 24.84     | 24.76     |
|            | 1       | 0         | 24.02                             | 24.45     | 24.3      |
| QPSK       | 1       | 1         | 24.51                             | 24.98     | 24.88     |
|            | 1       | 0         | 23.77                             | 24.27     | 24.06     |
|            | 1       | 13        | 24.5                              | 24.94     | 24.86     |
|            | 1       | 23        | 24.42                             | 24.98     | 24.89     |
|            | 1       | 24        | 24.36                             | 24.92     | 24.84     |
|            | 12      | 0         | 23.72                             | 24.18     | 24.01     |
|            | 12      | 7         | 24.43                             | 24.93     | 24.93     |
|            | 12      | 13        | 23.57                             | 24.22     | 24        |
|            | 25      | 0         | 23.52                             | 24.19     | 23.96     |
| 16QAM      | 1       | 0         | 22.94                             | 23.24     | 23.26     |
| 64QAM      | 1       | 0         | 22.33                             | 22.72     | 22.72     |
| 256QAM     | 1       | 0         | 20.52                             | 20.89     | 20.99     |

| Output Power |                           |                           |                   |                   |                 |
|--------------|---------------------------|---------------------------|-------------------|-------------------|-----------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum ERP (dBm) | Maximum ERP (dBm) | ERP Limit (dBm) |
| BPSK         | 24.02                     | 24.84                     | 15.67             | 16.49             | 34.77           |
| QPSK         | 23.52                     | 24.98                     | 15.17             | 16.63             | 34.77           |
| 16QAM        | 22.94                     | 23.26                     | 14.59             | 14.91             | 34.77           |
| 64QAM        | 22.33                     | 22.72                     | 13.98             | 14.37             | 34.77           |
| 256QAM       | 20.52                     | 20.99                     | 12.17             | 12.64             | 34.77           |

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

# NR n71 SCS 15 kHz, Channel Bandwidth: 10 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |           |
|------------|---------|-----------|-----------------------------------|-----------|-----------|
|            |         |           | CH 133600                         | CH 136100 | CH 138600 |
|            |         |           | 668 MHz                           | 680.5 MHz | 693 MHz   |
| BPSK       | 1       | 1         | 24.38                             | 24.94     | 24.84     |
|            | 1       | 0         | 24.05                             | 24.52     | 24.36     |
| QPSK       | 1       | 1         | 24.6                              | 25.02     | 24.9      |
|            | 1       | 0         | 23.77                             | 24.32     | 24.13     |
|            | 1       | 26        | 24.5                              | 24.97     | 24.91     |
|            | 1       | 50        | 24.47                             | 25.01     | 24.92     |
|            | 1       | 51        | 24.42                             | 24.92     | 24.87     |
|            | 25      | 0         | 23.72                             | 24.2      | 24.11     |
|            | 25      | 14        | 24.53                             | 25        | 25        |
|            | 25      | 27        | 23.64                             | 24.24     | 24.06     |
|            | 50      | 0         | 23.72                             | 24.12     | 24.04     |
|            | 52      | 0         | 23.66                             | 24.03     | 23.98     |
| 16QAM      | 1       | 0         | 22.94                             | 23.27     | 23.29     |
| 64QAM      | 1       | 0         | 22.39                             | 22.8      | 22.72     |
| 256QAM     | 1       | 0         | 20.56                             | 20.99     | 20.99     |

| Output Power |                           |                           |                   |                   |                 |
|--------------|---------------------------|---------------------------|-------------------|-------------------|-----------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum ERP (dBm) | Maximum ERP (dBm) | ERP Limit (dBm) |
| BPSK         | 24.05                     | 24.94                     | 15.70             | 16.59             | 34.77           |
| QPSK         | 23.64                     | 25.02                     | 15.29             | 16.67             | 34.77           |
| 16QAM        | 22.94                     | 23.29                     | 14.59             | 14.94             | 34.77           |
| 64QAM        | 22.39                     | 22.80                     | 14.04             | 14.45             | 34.77           |
| 256QAM       | 20.56                     | 20.99                     | 12.21             | 12.64             | 34.77           |

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

# NR n71 SCS 15 kHz, Channel Bandwidth: 15 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |           |
|------------|---------|-----------|-----------------------------------|-----------|-----------|
|            |         |           | CH 134100                         | CH 136100 | CH 138100 |
|            |         |           | 670.5 MHz                         | 680.5 MHz | 690.5 MHz |
| BPSK       | 1       | 1         | 24.45                             | 24.96     | 24.89     |
|            | 1       | 0         | 24.11                             | 24.6      | 24.43     |
| QPSK       | 1       | 1         | 24.61                             | 25.08     | 24.99     |
|            | 1       | 0         | 23.79                             | 24.33     | 24.18     |
|            | 1       | 40        | 24.56                             | 25        | 24.91     |
|            | 1       | 77        | 24.53                             | 25.04     | 24.92     |
|            | 1       | 78        | 24.5                              | 25.02     | 24.91     |
|            | 36      | 0         | 23.8                              | 24.21     | 24.16     |
|            | 36      | 22        | 24.61                             | 25.02     | 25        |
|            | 36      | 43        | 23.67                             | 24.24     | 24.09     |
|            | 75      | 0         | 23.75                             | 24.18     | 24.12     |
|            | 79      | 0         | 23.69                             | 24.13     | 24.08     |
| 16QAM      | 1       | 0         | 22.94                             | 23.31     | 23.29     |
| 64QAM      | 1       | 0         | 22.45                             | 22.88     | 22.78     |
| 256QAM     | 1       | 0         | 20.63                             | 21.09     | 21.01     |

| Output Power |                           |                           |                   |                   |                 |
|--------------|---------------------------|---------------------------|-------------------|-------------------|-----------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum ERP (dBm) | Maximum ERP (dBm) | ERP Limit (dBm) |
| BPSK         | 24.11                     | 24.96                     | 15.76             | 16.61             | 34.77           |
| QPSK         | 23.67                     | 25.08                     | 15.32             | 16.73             | 34.77           |
| 16QAM        | 22.94                     | 23.31                     | 14.59             | 14.96             | 34.77           |
| 64QAM        | 22.45                     | 22.88                     | 14.10             | 14.53             | 34.77           |
| 256QAM       | 20.63                     | 21.09                     | 12.28             | 12.74             | 34.77           |

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

# NR n71 SCS 15 kHz, Channel Bandwidth: 20 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |           |
|------------|---------|-----------|-----------------------------------|-----------|-----------|
|            |         |           | CH 134600                         | CH 136100 | CH 137600 |
|            |         |           | 673 MHz                           | 680.5 MHz | 688 MHz   |
| BPSK       | 1       | 1         | 24.53                             | 25.03     | 24.91     |
|            | 1       | 0         | 24.13                             | 24.62     | 24.52     |
| QPSK       | 1       | 1         | 24.61                             | 25.14     | 25.02     |
|            | 1       | 0         | 23.84                             | 24.36     | 24.26     |
|            | 1       | 53        | 24.58                             | 25.08     | 24.98     |
|            | 1       | 104       | 24.62                             | 25.11     | 24.96     |
|            | 1       | 105       | 24.6                              | 25.07     | 24.93     |
|            | 50      | 0         | 23.87                             | 24.31     | 24.22     |
|            | 50      | 28        | 24.62                             | 25.06     | 25        |
|            | 50      | 56        | 23.7                              | 24.26     | 24.12     |
|            | 100     | 0         | 23.75                             | 24.22     | 24.13     |
|            | 106     | 0         | 23.75                             | 24.18     | 24.1      |
| 16QAM      | 1       | 0         | 22.96                             | 23.39     | 23.32     |
| 64QAM      | 1       | 0         | 22.46                             | 22.96     | 22.82     |
| 256QAM     | 1       | 0         | 20.71                             | 21.11     | 21.03     |

| Output Power |                           |                           |                   |                   |                 |
|--------------|---------------------------|---------------------------|-------------------|-------------------|-----------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum ERP (dBm) | Maximum ERP (dBm) | ERP Limit (dBm) |
| BPSK         | 24.13                     | 25.03                     | 15.78             | 16.68             | 34.77           |
| QPSK         | 23.70                     | 25.14                     | 15.35             | 16.79             | 34.77           |
| 16QAM        | 22.96                     | 23.39                     | 14.61             | 15.04             | 34.77           |
| 64QAM        | 22.46                     | 22.96                     | 14.11             | 14.61             | 34.77           |
| 256QAM       | 20.71                     | 21.11                     | 12.36             | 12.76             | 34.77           |

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

### 7.1.17 NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) (SISO)

#### NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Ant. 4, Channel Bandwidth: 20 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |             |
|------------|---------|-----------|-----------------------------------|-----------|-------------|
|            |         |           | CH 647334                         | CH 656000 | CH 664666   |
|            |         |           | 3710.01 MHz                       | 3840 MHz  | 3969.99 MHz |
| BPSK       | 1       | 1         | 27.31                             | 27.5      | 27.44       |
|            | 1       | 0         | 27.1                              | 27.29     | 27.11       |
| QPSK       | 1       | 1         | 28.69                             | 28.61     | 28.3        |
|            | 1       | 0         | 24.51                             | 24.63     | 24.52       |
|            | 1       | 26        | 27.42                             | 27.47     | 27.56       |
|            | 1       | 49        | 27.52                             | 27.6      | 27.46       |
|            | 1       | 50        | 24.36                             | 24.54     | 24.42       |
|            | 25      | 0         | 27.72                             | 27.65     | 27.27       |
|            | 25      | 13        | 27.39                             | 27.69     | 27.47       |
|            | 25      | 26        | 26.36                             | 26.4      | 26.64       |
|            | 50      | 0         | 26.32                             | 26.48     | 26.29       |
|            | 51      | 0         | 26.29                             | 26.48     | 26.45       |
| 16QAM      | 1       | 0         | 24.52                             | 24.53     | 24.28       |
| 64QAM      | 1       | 0         | 24.36                             | 24.56     | 24.42       |
| 256QAM     | 1       | 0         | 23.12                             | 23.33     | 23.26       |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 27.10                     | 27.50                     | 28.01              | 28.41              | 30               |
| QPSK         | 24.36                     | 28.69                     | 25.27              | 29.60              | 30               |
| 16QAM        | 24.28                     | 24.53                     | 25.19              | 25.44              | 30               |
| 64QAM        | 24.36                     | 24.56                     | 25.27              | 25.47              | 30               |
| 256QAM       | 23.12                     | 23.33                     | 24.03              | 24.24              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Ant. 4, Channel Bandwidth: 30 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |             |
|------------|---------|-----------|-----------------------------------|-----------|-------------|
|            |         |           | CH 647668                         | CH 656000 | CH 664332   |
|            |         |           | 3715.02 MHz                       | 3840 MHz  | 3964.98 MHz |
| BPSK       | 1       | 1         | 27.41                             | 27.62     | 27.45       |
|            | 1       | 0         | 27.07                             | 27.39     | 27.13       |
| QPSK       | 1       | 1         | 28.64                             | 28.66     | 28.28       |
|            | 1       | 0         | 24.55                             | 24.67     | 24.49       |
|            | 1       | 39        | 27.37                             | 27.59     | 27.57       |
|            | 1       | 76        | 27.42                             | 27.66     | 27.47       |
|            | 1       | 77        | 24.39                             | 24.46     | 24.39       |
|            | 36      | 0         | 27.68                             | 27.78     | 27.24       |
|            | 36      | 21        | 27.34                             | 27.69     | 27.47       |
|            | 36      | 42        | 26.3                              | 26.44     | 26.61       |
|            | 75      | 0         | 26.38                             | 26.55     | 26.25       |
|            | 78      | 0         | 26.3                              | 26.46     | 26.52       |
| 16QAM      | 1       | 0         | 24.48                             | 24.48     | 24.29       |
| 64QAM      | 1       | 0         | 24.46                             | 24.58     | 24.36       |
| 256QAM     | 1       | 0         | 23.24                             | 23.39     | 23.21       |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 27.07                     | 27.62                     | 27.98              | 28.53              | 30               |
| QPSK         | 24.39                     | 28.66                     | 25.30              | 29.57              | 30               |
| 16QAM        | 24.29                     | 24.48                     | 25.20              | 25.39              | 30               |
| 64QAM        | 24.36                     | 24.58                     | 25.27              | 25.49              | 30               |
| 256QAM       | 23.21                     | 23.39                     | 24.12              | 24.30              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Ant. 4, Channel Bandwidth: 40 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |           |
|------------|---------|-----------|-----------------------------------|-----------|-----------|
|            |         |           | CH 648000                         | CH 656000 | CH 664000 |
|            |         |           | 3720 MHz                          | 3840 MHz  | 3960 MHz  |
| BPSK       | 1       | 1         | 27.44                             | 27.65     | 27.5      |
|            | 1       | 0         | 27.22                             | 27.39     | 27.12     |
| QPSK       | 1       | 1         | 28.79                             | 28.71     | 28.29     |
|            | 1       | 0         | 24.6                              | 24.7      | 24.51     |
|            | 1       | 53        | 27.5                              | 27.62     | 27.49     |
|            | 1       | 104       | 27.54                             | 27.67     | 27.51     |
|            | 1       | 105       | 24.42                             | 24.6      | 24.35     |
|            | 50      | 0         | 27.76                             | 27.79     | 27.26     |
|            | 50      | 28        | 27.49                             | 27.73     | 27.49     |
|            | 50      | 56        | 26.38                             | 26.55     | 26.64     |
|            | 100     | 0         | 26.38                             | 26.56     | 26.35     |
|            | 106     | 0         | 26.39                             | 26.55     | 26.47     |
| 16QAM      | 1       | 0         | 24.62                             | 24.53     | 24.38     |
| 64QAM      | 1       | 0         | 24.48                             | 24.58     | 24.37     |
| 256QAM     | 1       | 0         | 23.26                             | 23.46     | 23.27     |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 27.12                     | 27.65                     | 28.03              | 28.56              | 30               |
| QPSK         | 24.35                     | 28.79                     | 25.26              | 29.70              | 30               |
| 16QAM        | 24.38                     | 24.62                     | 25.29              | 25.53              | 30               |
| 64QAM        | 24.37                     | 24.58                     | 25.28              | 25.49              | 30               |
| 256QAM       | 23.26                     | 23.46                     | 24.17              | 24.37              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Ant. 4, Channel Bandwidth: 60 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |             |
|------------|---------|-----------|-----------------------------------|-----------|-------------|
|            |         |           | CH 648668                         | CH 656000 | CH 663332   |
|            |         |           | 3730.02 MHz                       | 3840 MHz  | 3949.98 MHz |
| BPSK       | 1       | 1         | 27.41                             | 27.67     | 27.53       |
|            | 1       | 0         | 27.11                             | 27.36     | 27.11       |
| QPSK       | 1       | 1         | 28.87                             | 28.75     | 28.24       |
|            | 1       | 0         | 24.69                             | 24.83     | 24.54       |
|            | 1       | 81        | 27.54                             | 27.71     | 27.54       |
|            | 1       | 160       | 27.66                             | 27.74     | 27.46       |
|            | 1       | 161       | 24.62                             | 24.65     | 24.38       |
|            | 81      | 0         | 27.8                              | 27.7      | 27.2        |
|            | 81      | 41        | 27.59                             | 27.76     | 27.52       |
|            | 81      | 81        | 26.46                             | 26.66     | 26.63       |
|            | 162     | 0         | 26.42                             | 26.49     | 26.27       |
| 16QAM      | 1       | 0         | 24.5                              | 24.52     | 24.28       |
| 64QAM      | 1       | 0         | 24.55                             | 24.64     | 24.35       |
| 256QAM     | 1       | 0         | 23.38                             | 23.45     | 23.31       |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 27.11                     | 27.67                     | 28.02              | 28.58              | 30               |
| QPSK         | 24.38                     | 28.87                     | 25.29              | 29.78              | 30               |
| 16QAM        | 24.28                     | 24.52                     | 25.19              | 25.43              | 30               |
| 64QAM        | 24.35                     | 24.64                     | 25.26              | 25.55              | 30               |
| 256QAM       | 23.31                     | 23.45                     | 24.22              | 24.36              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Ant. 4, Channel Bandwidth: 80 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |             |
|------------|---------|-----------|-----------------------------------|-----------|-------------|
|            |         |           | CH 649334                         | CH 656000 | CH 662666   |
|            |         |           | 3740.01 MHz                       | 3840 MHz  | 3939.99 MHz |
| BPSK       | 1       | 1         | 27.54                             | 27.79     | 27.61       |
|            | 1       | 0         | 27.21                             | 27.39     | 27.19       |
| QPSK       | 1       | 1         | 28.86                             | 28.75     | 28.41       |
|            | 1       | 0         | 24.61                             | 24.85     | 24.67       |
|            | 1       | 109       | 27.5                              | 27.59     | 27.64       |
|            | 1       | 215       | 27.65                             | 27.7      | 27.56       |
|            | 1       | 216       | 24.5                              | 24.68     | 24.53       |
|            | 108     | 0         | 27.76                             | 27.7      | 27.35       |
|            | 108     | 55        | 27.58                             | 27.74     | 27.63       |
|            | 108     | 109       | 26.51                             | 26.62     | 26.72       |
|            | 216     | 0         | 26.37                             | 26.51     | 26.37       |
|            | 217     | 0         | 26.41                             | 26.71     | 26.58       |
| 16QAM      | 1       | 0         | 24.55                             | 24.64     | 24.47       |
| 64QAM      | 1       | 0         | 24.54                             | 24.7      | 24.53       |
| 256QAM     | 1       | 0         | 23.41                             | 23.41     | 23.34       |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 27.19                     | 27.79                     | 28.10              | 28.70              | 30               |
| QPSK         | 24.50                     | 28.86                     | 25.41              | 29.77              | 30               |
| 16QAM        | 24.47                     | 24.64                     | 25.38              | 25.55              | 30               |
| 64QAM        | 24.53                     | 24.70                     | 25.44              | 25.61              | 30               |
| 256QAM       | 23.34                     | 23.41                     | 24.25              | 24.32              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Ant. 4, Channel Bandwidth: 100 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |           |           |
|------------|---------|-----------|-----------------------------------|-----------|-----------|
|            |         |           | CH 650000                         | CH 656000 | CH 662000 |
|            |         |           | 3750 MHz                          | 3840 MHz  | 3930 MHz  |
| BPSK       | 1       | 1         | 27.59                             | 27.83     | 27.73     |
|            | 1       | 0         | 27.29                             | 27.45     | 27.36     |
| QPSK       | 1       | 1         | 28.89                             | 28.86     | 28.53     |
|            | 1       | 0         | 24.82                             | 24.94     | 24.88     |
|            | 1       | 137       | 27.68                             | 27.79     | 27.79     |
|            | 1       | 271       | 27.66                             | 27.78     | 27.7      |
|            | 1       | 272       | 24.67                             | 24.78     | 24.73     |
|            | 135     | 0         | 27.86                             | 27.82     | 27.48     |
|            | 135     | 69        | 28.4                              | 28.57     | 28.51     |
|            | 135     | 138       | 26.6                              | 26.8      | 26.74     |
|            | 270     | 0         | 26.52                             | 26.65     | 26.6      |
|            | 273     | 0         | 26.59                             | 26.76     | 26.67     |
| 16QAM      | 1       | 0         | 24.69                             | 24.72     | 24.62     |
| 64QAM      | 1       | 0         | 24.69                             | 24.75     | 24.69     |
| 256QAM     | 1       | 0         | 23.54                             | 23.56     | 23.49     |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 27.29                     | 27.83                     | 28.20              | 28.74              | 30               |
| QPSK         | 24.67                     | 28.89                     | 25.58              | 29.80              | 30               |
| 16QAM        | 24.62                     | 24.72                     | 25.53              | 25.63              | 30               |
| 64QAM        | 24.69                     | 24.75                     | 25.60              | 25.66              | 30               |
| 256QAM       | 23.49                     | 23.56                     | 24.40              | 24.47              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

# 7.1.18 NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz) (MIMO)

## NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO, Channel Bandwidth: 20 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |       |       |           |       |       |             |       |       |
|------------|---------|-----------|-----------------------------------|-------|-------|-----------|-------|-------|-------------|-------|-------|
|            |         |           | CH 647334                         |       |       | CH 656000 |       |       | CH 664666   |       |       |
|            |         |           | 3710.01 MHz                       |       |       | 3840 MHz  |       |       | 3969.99 MHz |       |       |
|            |         |           | TX 1                              | TX 2  | Total | TX 1      | TX 2  | Total | TX 1        | TX 2  | Total |
| QPSK       | 1       | 1         | 24.32                             | 24.44 | 27.39 | 24.85     | 24.74 | 27.81 | 24.94       | 24.73 | 27.85 |
|            | 1       | 0         | 23.31                             | 23.39 | 26.36 | 23.7      | 23.71 | 26.72 | 23.94       | 23.76 | 26.86 |
|            | 1       | 26        | 24.16                             | 24.28 | 27.23 | 24.83     | 24.56 | 27.71 | 24.88       | 24.78 | 27.84 |
|            | 1       | 49        | 24.14                             | 24.08 | 27.12 | 24.68     | 24.46 | 27.58 | 25.01       | 24.76 | 27.9  |
|            | 1       | 50        | 24.05                             | 24.1  | 27.09 | 24.73     | 24.52 | 27.64 | 24.93       | 24.59 | 27.77 |
|            | 25      | 0         | 23.09                             | 23.38 | 26.25 | 23.62     | 23.8  | 26.72 | 23.96       | 23.82 | 26.9  |
|            | 25      | 13        | 24.15                             | 24.23 | 27.2  | 24.8      | 24.39 | 27.61 | 24.99       | 24.66 | 27.84 |
|            | 25      | 26        | 23.32                             | 23.44 | 26.39 | 23.84     | 23.74 | 26.8  | 23.95       | 23.68 | 26.83 |
|            | 50      | 0         | 23.26                             | 23.41 | 26.35 | 23.76     | 23.71 | 26.75 | 23.96       | 23.86 | 26.92 |
|            | 51      | 0         | 23.02                             | 23.2  | 26.12 | 23.81     | 23.57 | 26.7  | 23.91       | 23.71 | 26.82 |
| 16QAM      | 1       | 0         | 22.02                             | 22.01 | 25.03 | 22.59     | 22.5  | 25.56 | 22.93       | 22.71 | 25.83 |
| 64QAM      | 1       | 0         | 21.55                             | 21.63 | 24.6  | 22.18     | 22.02 | 25.11 | 22.47       | 22.21 | 25.35 |
| 256QAM     | 1       | 0         | 19.64                             | 19.87 | 22.77 | 20.11     | 20.23 | 23.18 | 20.41       | 20.25 | 23.34 |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| QPSK         | 26.12                     | 27.9                      | 27.65              | 29.43              | 30               |
| 16QAM        | 25.03                     | 25.83                     | 26.56              | 27.36              | 30               |
| 64QAM        | 24.6                      | 25.35                     | 26.13              | 26.88              | 30               |
| 256QAM       | 22.77                     | 23.34                     | 24.3               | 24.87              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO, Channel Bandwidth: 30 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |       |       |           |       |       |             |       |       |
|------------|---------|-----------|-----------------------------------|-------|-------|-----------|-------|-------|-------------|-------|-------|
|            |         |           | CH 647668                         |       |       | CH 656000 |       |       | CH 664332   |       |       |
|            |         |           | 3715.02 MHz                       |       |       | 3840 MHz  |       |       | 3964.98 MHz |       |       |
|            |         |           | TX 1                              | TX 2  | Total | TX 1      | TX 2  | Total | TX 1        | TX 2  | Total |
| QPSK       | 1       | 1         | 24.36                             | 24.51 | 27.45 | 24.91     | 24.8  | 27.87 | 24.87       | 24.76 | 27.83 |
|            | 1       | 0         | 23.32                             | 23.47 | 26.41 | 23.82     | 23.74 | 26.79 | 23.92       | 23.82 | 26.88 |
|            | 1       | 39        | 24.24                             | 24.32 | 27.29 | 24.89     | 24.57 | 27.74 | 24.84       | 24.75 | 27.81 |
|            | 1       | 76        | 24.2                              | 24.23 | 27.23 | 24.68     | 24.56 | 27.63 | 24.96       | 24.66 | 27.82 |
|            | 1       | 77        | 24.13                             | 24.19 | 27.17 | 24.76     | 24.65 | 27.72 | 24.91       | 24.64 | 27.79 |
|            | 36      | 0         | 23.31                             | 23.5  | 26.42 | 23.73     | 23.79 | 26.77 | 23.91       | 23.89 | 26.91 |
|            | 36      | 21        | 24.22                             | 24.33 | 27.29 | 24.86     | 24.47 | 27.68 | 24.93       | 24.74 | 27.85 |
|            | 36      | 42        | 23.34                             | 23.5  | 26.43 | 23.94     | 23.81 | 26.89 | 23.96       | 23.75 | 26.87 |
|            | 75      | 0         | 23.35                             | 23.51 | 26.44 | 23.76     | 23.77 | 26.78 | 24          | 23.82 | 26.92 |
|            | 78      | 0         | 23.1                              | 23.32 | 26.22 | 23.83     | 23.63 | 26.74 | 23.93       | 23.68 | 26.82 |
| 16QAM      | 1       | 0         | 22.07                             | 22.15 | 25.12 | 22.64     | 22.63 | 25.65 | 22.88       | 22.66 | 25.78 |
| 64QAM      | 1       | 0         | 21.6                              | 21.63 | 24.63 | 22.27     | 22.12 | 25.21 | 22.41       | 22.25 | 25.34 |
| 256QAM     | 1       | 0         | 19.74                             | 20    | 22.88 | 20.18     | 20.32 | 23.26 | 20.42       | 20.26 | 23.35 |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| QPSK         | 26.22                     | 27.87                     | 27.75              | 29.4               | 30               |
| 16QAM        | 25.12                     | 25.78                     | 26.65              | 27.31              | 30               |
| 64QAM        | 24.63                     | 25.34                     | 26.16              | 26.87              | 30               |
| 256QAM       | 22.88                     | 23.35                     | 24.41              | 24.88              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO, Channel Bandwidth: 40 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |       |       |           |       |       |           |       |       |
|------------|---------|-----------|-----------------------------------|-------|-------|-----------|-------|-------|-----------|-------|-------|
|            |         |           | CH 648000                         |       |       | CH 656000 |       |       | CH 664000 |       |       |
|            |         |           | 3720 MHz                          |       |       | 3840 MHz  |       |       | 3960 MHz  |       |       |
|            |         |           | TX 1                              | TX 2  | Total | TX 1      | TX 2  | Total | TX 1      | TX 2  | Total |
| QPSK       | 1       | 1         | 24.38                             | 24.54 | 27.47 | 24.95     | 24.82 | 27.9  | 24.88     | 24.7  | 27.8  |
|            | 1       | 0         | 23.37                             | 23.51 | 26.45 | 23.86     | 23.78 | 26.83 | 23.97     | 23.78 | 26.89 |
|            | 1       | 53        | 24.26                             | 24.35 | 27.32 | 24.92     | 24.67 | 27.81 | 24.87     | 24.68 | 27.79 |
|            | 1       | 104       | 24.23                             | 24.25 | 27.25 | 24.71     | 24.63 | 27.68 | 25.03     | 24.66 | 27.86 |
|            | 1       | 105       | 24.14                             | 24.23 | 27.2  | 24.78     | 24.67 | 27.74 | 24.98     | 24.66 | 27.83 |
|            | 50      | 0         | 23.34                             | 23.54 | 26.45 | 23.78     | 23.84 | 26.82 | 23.95     | 23.91 | 26.94 |
|            | 50      | 28        | 24.23                             | 24.37 | 27.31 | 24.86     | 24.55 | 27.72 | 24.94     | 24.72 | 27.84 |
|            | 50      | 56        | 23.33                             | 23.52 | 26.44 | 23.92     | 23.75 | 26.85 | 23.95     | 23.7  | 26.84 |
|            | 100     | 0         | 23.34                             | 23.56 | 26.46 | 23.89     | 23.85 | 26.88 | 24        | 23.83 | 26.93 |
|            | 106     | 0         | 23.11                             | 23.31 | 26.22 | 23.86     | 23.6  | 26.74 | 23.93     | 23.77 | 26.86 |
| 16QAM      | 1       | 0         | 22.13                             | 22.26 | 25.21 | 22.74     | 22.67 | 25.72 | 22.91     | 22.76 | 25.85 |
| 64QAM      | 1       | 0         | 21.6                              | 21.75 | 24.69 | 22.25     | 22.19 | 25.23 | 22.45     | 22.21 | 25.34 |
| 256QAM     | 1       | 0         | 19.76                             | 20.11 | 22.95 | 20.25     | 20.4  | 23.34 | 20.44     | 20.24 | 23.35 |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| QPSK         | 26.22                     | 27.9                      | 27.75              | 29.43              | 30               |
| 16QAM        | 25.21                     | 25.85                     | 26.74              | 27.38              | 30               |
| 64QAM        | 24.69                     | 25.34                     | 26.22              | 26.87              | 30               |
| 256QAM       | 22.95                     | 23.35                     | 24.48              | 24.88              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO, Channel Bandwidth: 60 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |       |       |           |       |       |             |       |       |
|------------|---------|-----------|-----------------------------------|-------|-------|-----------|-------|-------|-------------|-------|-------|
|            |         |           | CH 648668                         |       |       | CH 656000 |       |       | CH 663332   |       |       |
|            |         |           | 3730.02 MHz                       |       |       | 3840 MHz  |       |       | 3949.98 MHz |       |       |
|            |         |           | TX 1                              | TX 2  | Total | TX 1      | TX 2  | Total | TX 1        | TX 2  | Total |
| QPSK       | 1       | 1         | 24.42                             | 24.6  | 27.52 | 25.02     | 24.89 | 27.97 | 24.89       | 24.7  | 27.81 |
|            | 1       | 0         | 23.45                             | 23.62 | 26.55 | 24.03     | 23.89 | 26.97 | 23.92       | 23.79 | 26.87 |
|            | 1       | 81        | 24.3                              | 24.46 | 27.39 | 24.95     | 24.76 | 27.87 | 24.82       | 24.72 | 27.78 |
|            | 1       | 160       | 24.28                             | 24.45 | 27.38 | 24.85     | 24.74 | 27.81 | 25.03       | 24.74 | 27.9  |
|            | 1       | 161       | 24.28                             | 24.39 | 27.35 | 24.83     | 24.83 | 27.84 | 24.97       | 24.63 | 27.81 |
|            | 81      | 0         | 23.46                             | 23.69 | 26.59 | 23.93     | 23.97 | 26.96 | 23.95       | 23.82 | 26.9  |
|            | 81      | 41        | 24.25                             | 24.38 | 27.33 | 24.93     | 24.64 | 27.8  | 25.02       | 24.67 | 27.86 |
|            | 81      | 81        | 23.45                             | 23.62 | 26.55 | 23.97     | 23.93 | 26.96 | 23.92       | 23.66 | 26.8  |
|            | 162     | 0         | 23.46                             | 23.65 | 26.57 | 24.05     | 23.95 | 27.01 | 24.03       | 23.9  | 26.98 |
| 16QAM      | 1       | 0         | 22.3                              | 22.51 | 25.42 | 22.82     | 22.67 | 25.76 | 22.94       | 22.68 | 25.82 |
| 64QAM      | 1       | 0         | 21.72                             | 21.95 | 24.85 | 22.36     | 22.34 | 25.36 | 22.4        | 22.25 | 25.34 |
| 256QAM     | 1       | 0         | 19.99                             | 20.16 | 23.09 | 20.44     | 20.42 | 23.44 | 20.43       | 20.23 | 23.34 |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| QPSK         | 26.55                     | 27.97                     | 28.08              | 29.5               | 30               |
| 16QAM        | 25.42                     | 25.82                     | 26.95              | 27.35              | 30               |
| 64QAM        | 24.85                     | 25.36                     | 26.38              | 26.89              | 30               |
| 256QAM       | 23.09                     | 23.44                     | 24.62              | 24.97              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO, Channel Bandwidth: 80 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |       |       |           |       |       |             |       |       |
|------------|---------|-----------|-----------------------------------|-------|-------|-----------|-------|-------|-------------|-------|-------|
|            |         |           | CH 649334                         |       |       | CH 656000 |       |       | CH 662666   |       |       |
|            |         |           | 3740.01 MHz                       |       |       | 3840 MHz  |       |       | 3939.99 MHz |       |       |
|            |         |           | TX 1                              | TX 2  | Total | TX 1      | TX 2  | Total | TX 1        | TX 2  | Total |
| QPSK       | 1       | 1         | 24.48                             | 24.66 | 27.58 | 25.08     | 24.95 | 28.03 | 24.97       | 24.85 | 27.92 |
|            | 1       | 0         | 23.59                             | 23.69 | 26.65 | 24.12     | 23.98 | 27.06 | 24.02       | 23.84 | 26.94 |
|            | 1       | 109       | 24.38                             | 24.57 | 27.49 | 25        | 24.87 | 27.95 | 24.91       | 24.78 | 27.86 |
|            | 1       | 215       | 24.41                             | 24.61 | 27.52 | 24.94     | 24.78 | 27.87 | 25.03       | 24.76 | 27.91 |
|            | 1       | 216       | 24.33                             | 24.55 | 27.45 | 25.01     | 24.88 | 27.96 | 24.99       | 24.67 | 27.84 |
|            | 108     | 0         | 23.52                             | 23.76 | 26.65 | 24.05     | 23.97 | 27.02 | 23.99       | 23.92 | 26.97 |
|            | 108     | 55        | 24.33                             | 24.55 | 27.45 | 25.01     | 24.8  | 27.92 | 25.03       | 24.76 | 27.91 |
|            | 108     | 109       | 23.46                             | 23.63 | 26.56 | 24.06     | 23.92 | 27    | 23.96       | 23.76 | 26.87 |
|            | 216     | 0         | 23.53                             | 23.74 | 26.65 | 24.1      | 23.96 | 27.04 | 24.05       | 23.92 | 27    |
|            | 217     | 0         | 23.48                             | 23.62 | 26.56 | 24.04     | 23.89 | 26.98 | 23.95       | 23.77 | 26.87 |
| 16QAM      | 1       | 0         | 22.39                             | 22.62 | 25.52 | 22.95     | 22.88 | 25.93 | 22.95       | 22.76 | 25.87 |
| 64QAM      | 1       | 0         | 21.88                             | 22.09 | 25    | 22.47     | 22.41 | 25.45 | 22.49       | 22.26 | 25.39 |
| 256QAM     | 1       | 0         | 20.07                             | 20.23 | 23.16 | 20.65     | 20.5  | 23.59 | 20.51       | 20.32 | 23.43 |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| QPSK         | 26.56                     | 28.03                     | 28.09              | 29.56              | 30               |
| 16QAM        | 25.52                     | 25.93                     | 27.05              | 27.46              | 30               |
| 64QAM        | 25                        | 25.45                     | 26.53              | 26.98              | 30               |
| 256QAM       | 23.16                     | 23.59                     | 24.69              | 25.12              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO, Channel Bandwidth: 100 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |       |       |           |       |       |           |       |       |
|------------|---------|-----------|-----------------------------------|-------|-------|-----------|-------|-------|-----------|-------|-------|
|            |         |           | CH 650000                         |       |       | CH 656000 |       |       | CH 662000 |       |       |
|            |         |           | 3750 MHz                          |       |       | 3840 MHz  |       |       | 3930 MHz  |       |       |
|            |         |           | TX 1                              | TX 2  | Total | TX 1      | TX 2  | Total | TX 1      | TX 2  | Total |
| QPSK       | 1       | 1         | 24.53                             | 24.73 | 27.64 | 25.13     | 25.01 | 28.08 | 25.06     | 24.87 | 27.98 |
|            | 1       | 0         | 23.66                             | 23.82 | 26.75 | 24.22     | 24.09 | 27.17 | 24.2      | 24.02 | 27.12 |
|            | 1       | 137       | 24.51                             | 24.71 | 27.62 | 25.11     | 24.98 | 28.06 | 25.02     | 24.85 | 27.95 |
|            | 1       | 271       | 24.49                             | 24.68 | 27.6  | 25.09     | 24.96 | 28.04 | 25.05     | 24.83 | 27.95 |
|            | 1       | 272       | 24.47                             | 24.65 | 27.57 | 25.06     | 24.94 | 28.01 | 25.06     | 24.84 | 27.96 |
|            | 135     | 0         | 23.64                             | 23.8  | 26.73 | 24.19     | 24.06 | 27.14 | 24.15     | 24    | 27.09 |
|            | 135     | 69        | 24.42                             | 24.62 | 27.53 | 25.03     | 24.92 | 27.99 | 25.03     | 24.85 | 27.95 |
|            | 135     | 138       | 23.62                             | 23.75 | 26.7  | 24.13     | 24.03 | 27.09 | 24.05     | 23.92 | 27    |
|            | 270     | 0         | 23.65                             | 23.77 | 26.72 | 24.16     | 24.01 | 27.1  | 24.14     | 24    | 27.08 |
|            | 273     | 0         | 23.62                             | 23.74 | 26.69 | 24.13     | 23.97 | 27.06 | 24.09     | 23.8  | 26.96 |
| 16QAM      | 1       | 0         | 22.68                             | 22.75 | 25.73 | 23.22     | 23.16 | 26.2  | 23.02     | 22.81 | 25.93 |
| 64QAM      | 1       | 0         | 22.33                             | 22.49 | 25.42 | 22.71     | 22.64 | 25.69 | 22.49     | 22.38 | 25.45 |
| 256QAM     | 1       | 0         | 20.24                             | 20.42 | 23.34 | 20.69     | 20.62 | 23.67 | 20.68     | 20.46 | 23.58 |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| QPSK         | 26.69                     | 28.08                     | 28.22              | 29.61              | 30               |
| 16QAM        | 25.73                     | 26.2                      | 27.26              | 27.73              | 30               |
| 64QAM        | 25.42                     | 25.69                     | 26.95              | 27.22              | 30               |
| 256QAM       | 23.34                     | 23.67                     | 24.87              | 25.2               | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

# 7.1.19 NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) (SISO)

## NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Ant. 4, Channel Bandwidth: 20 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |             |           |
|------------|---------|-----------|-----------------------------------|-------------|-----------|
|            |         |           | CH 630668                         | CH 633334   | CH 636000 |
|            |         |           | 3460.02 MHz                       | 3500.01 MHz | 3540 MHz  |
| BPSK       | 1       | 1         | 27.45                             | 27.62       | 27.58     |
|            | 1       | 0         | 27.04                             | 27.3        | 27.16     |
| QPSK       | 1       | 1         | 27.77                             | 27.82       | 27.78     |
|            | 1       | 0         | 24.73                             | 24.88       | 24.78     |
|            | 1       | 26        | 27.43                             | 27.53       | 27.51     |
|            | 1       | 49        | 27.67                             | 27.56       | 27.5      |
|            | 1       | 50        | 24.67                             | 24.55       | 24.41     |
|            | 25      | 0         | 26.85                             | 27.07       | 26.98     |
|            | 25      | 13        | 27.65                             | 27.69       | 27.7      |
|            | 25      | 26        | 26.39                             | 26.42       | 26.54     |
|            | 50      | 0         | 26.32                             | 26.44       | 26.28     |
|            | 51      | 0         | 26.51                             | 26.52       | 26.45     |
| 16QAM      | 1       | 0         | 24.47                             | 24.53       | 24.71     |
| 64QAM      | 1       | 0         | 24.52                             | 24.59       | 24.41     |
| 256QAM     | 1       | 0         | 23.15                             | 23.39       | 23.43     |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 27.04                     | 27.62                     | 27.97              | 28.55              | 30               |
| QPSK         | 24.41                     | 27.82                     | 25.34              | 28.75              | 30               |
| 16QAM        | 24.47                     | 24.71                     | 25.40              | 25.64              | 30               |
| 64QAM        | 24.41                     | 24.59                     | 25.34              | 25.52              | 30               |
| 256QAM       | 23.15                     | 23.43                     | 24.08              | 24.36              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Ant. 4, Channel Bandwidth: 30 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |             |             |
|------------|---------|-----------|-----------------------------------|-------------|-------------|
|            |         |           | CH 631000                         | CH 633334   | CH 635666   |
|            |         |           | 3465 MHz                          | 3500.01 MHz | 3534.99 MHz |
| BPSK       | 1       | 1         | 27.37                             | 27.69       | 27.55       |
|            | 1       | 0         | 27.15                             | 27.25       | 27.27       |
| QPSK       | 1       | 1         | 27.79                             | 27.76       | 27.71       |
|            | 1       | 0         | 24.74                             | 24.73       | 24.89       |
|            | 1       | 39        | 27.35                             | 27.4        | 27.5        |
|            | 1       | 76        | 27.69                             | 27.57       | 27.55       |
|            | 1       | 77        | 24.59                             | 24.68       | 24.37       |
|            | 36      | 0         | 26.91                             | 27          | 26.94       |
|            | 36      | 21        | 27.58                             | 27.71       | 27.61       |
|            | 36      | 42        | 26.4                              | 26.49       | 26.58       |
|            | 75      | 0         | 26.3                              | 26.43       | 26.27       |
|            | 78      | 0         | 26.54                             | 26.52       | 26.51       |
| 16QAM      | 1       | 0         | 24.44                             | 24.47       | 24.64       |
| 64QAM      | 1       | 0         | 24.55                             | 24.57       | 24.45       |
| 256QAM     | 1       | 0         | 23.2                              | 23.41       | 23.36       |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 27.15                     | 27.69                     | 28.08              | 28.62              | 30               |
| QPSK         | 24.37                     | 27.79                     | 25.30              | 28.72              | 30               |
| 16QAM        | 24.44                     | 24.64                     | 25.37              | 25.57              | 30               |
| 64QAM        | 24.45                     | 24.57                     | 25.38              | 25.50              | 30               |
| 256QAM       | 23.20                     | 23.41                     | 24.13              | 24.34              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Ant. 4, Channel Bandwidth: 40 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |             |             |
|------------|---------|-----------|-----------------------------------|-------------|-------------|
|            |         |           | CH 631334                         | CH 633334   | CH 635332   |
|            |         |           | 3470.01 MHz                       | 3500.01 MHz | 3529.98 MHz |
| BPSK       | 1       | 1         | 27.51                             | 27.72       | 27.64       |
|            | 1       | 0         | 27.18                             | 27.35       | 27.27       |
| QPSK       | 1       | 1         | 27.83                             | 27.82       | 27.84       |
|            | 1       | 0         | 24.81                             | 24.88       | 24.89       |
|            | 1       | 53        | 27.43                             | 27.55       | 27.51       |
|            | 1       | 104       | 27.69                             | 27.7        | 27.63       |
|            | 1       | 105       | 24.72                             | 24.69       | 24.5        |
|            | 50      | 0         | 27                                | 27.1        | 26.98       |
|            | 50      | 28        | 27.67                             | 27.75       | 27.76       |
|            | 50      | 56        | 26.49                             | 26.55       | 26.64       |
|            | 100     | 0         | 26.34                             | 26.45       | 26.35       |
|            | 106     | 0         | 26.66                             | 26.66       | 26.57       |
| 16QAM      | 1       | 0         | 24.59                             | 24.53       | 24.73       |
| 64QAM      | 1       | 0         | 24.58                             | 24.62       | 24.56       |
| 256QAM     | 1       | 0         | 23.3                              | 23.52       | 23.47       |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 27.18                     | 27.72                     | 28.11              | 28.65              | 30               |
| QPSK         | 24.50                     | 27.84                     | 25.43              | 28.77              | 30               |
| 16QAM        | 24.53                     | 24.73                     | 25.46              | 25.66              | 30               |
| 64QAM        | 24.56                     | 24.62                     | 25.49              | 25.55              | 30               |
| 256QAM       | 23.30                     | 23.52                     | 24.23              | 24.45              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Ant. 4, Channel Bandwidth: 50 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |             |           |
|------------|---------|-----------|-----------------------------------|-------------|-----------|
|            |         |           | CH 631668                         | CH 633334   | CH 635000 |
|            |         |           | 3475.02 MHz                       | 3500.01 MHz | 3525 MHz  |
| BPSK       | 1       | 1         | 27.61                             | 27.76       | 27.7      |
|            | 1       | 0         | 27.26                             | 27.45       | 27.27     |
| QPSK       | 1       | 1         | 27.91                             | 27.82       | 27.86     |
|            | 1       | 0         | 24.86                             | 24.91       | 24.89     |
|            | 1       | 67        | 27.46                             | 27.62       | 27.57     |
|            | 1       | 131       | 27.77                             | 27.72       | 27.64     |
|            | 1       | 132       | 24.73                             | 24.71       | 24.56     |
|            | 64      | 0         | 27.02                             | 27.12       | 26.99     |
|            | 64      | 35        | 27.72                             | 27.79       | 27.82     |
|            | 64      | 69        | 26.55                             | 26.63       | 26.67     |
|            | 128     | 0         | 26.39                             | 26.52       | 26.39     |
|            | 133     | 0         | 26.76                             | 26.72       | 26.58     |
| 16QAM      | 1       | 0         | 24.67                             | 24.58       | 24.76     |
| 64QAM      | 1       | 0         | 24.65                             | 24.64       | 24.65     |
| 256QAM     | 1       | 0         | 23.35                             | 23.54       | 23.56     |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 27.26                     | 27.76                     | 28.19              | 28.69              | 30               |
| QPSK         | 24.56                     | 27.91                     | 25.49              | 28.84              | 30               |
| 16QAM        | 24.58                     | 24.76                     | 25.51              | 25.69              | 30               |
| 64QAM        | 24.64                     | 24.65                     | 25.57              | 25.58              | 30               |
| 256QAM       | 23.35                     | 23.56                     | 24.28              | 24.49              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Ant. 4, Channel Bandwidth: 60 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |             |             |
|------------|---------|-----------|-----------------------------------|-------------|-------------|
|            |         |           | CH 632000                         | CH 633334   | CH 634666   |
|            |         |           | 3480 MHz                          | 3500.01 MHz | 3519.99 MHz |
| BPSK       | 1       | 1         | 27.7                              | 27.66       | 27.7        |
|            | 1       | 0         | 27.38                             | 27.43       | 27.33       |
| QPSK       | 1       | 1         | 27.99                             | 27.86       | 27.79       |
|            | 1       | 0         | 24.76                             | 24.91       | 24.81       |
|            | 1       | 81        | 27.53                             | 27.54       | 27.55       |
|            | 1       | 160       | 27.66                             | 27.59       | 27.69       |
|            | 1       | 161       | 24.72                             | 24.66       | 24.59       |
|            | 81      | 0         | 27.11                             | 27.15       | 27.07       |
|            | 81      | 41        | 27.78                             | 27.84       | 27.78       |
|            | 81      | 81        | 26.55                             | 26.64       | 26.65       |
|            | 162     | 0         | 26.38                             | 26.56       | 26.42       |
| 16QAM      | 1       | 0         | 24.66                             | 24.72       | 24.66       |
| 64QAM      | 1       | 0         | 24.68                             | 24.71       | 24.63       |
| 256QAM     | 1       | 0         | 23.4                              | 23.53       | 23.53       |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 27.33                     | 27.70                     | 28.26              | 28.63              | 30               |
| QPSK         | 24.59                     | 27.99                     | 25.52              | 28.92              | 30               |
| 16QAM        | 24.66                     | 24.72                     | 25.59              | 25.65              | 30               |
| 64QAM        | 24.63                     | 24.71                     | 25.56              | 25.64              | 30               |
| 256QAM       | 23.40                     | 23.53                     | 24.33              | 24.46              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Ant. 4, Channel Bandwidth: 70 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |             |             |
|------------|---------|-----------|-----------------------------------|-------------|-------------|
|            |         |           | CH 632334                         | CH 633334   | CH 634332   |
|            |         |           | 3485.01 MHz                       | 3500.01 MHz | 3514.98 MHz |
| BPSK       | 1       | 1         | 27.64                             | 27.64       | 27.66       |
|            | 1       | 0         | 27.35                             | 27.25       | 27.27       |
| QPSK       | 1       | 1         | 27.87                             | 27.82       | 27.82       |
|            | 1       | 0         | 24.86                             | 24.78       | 24.82       |
|            | 1       | 95        | 27.47                             | 27.52       | 27.56       |
|            | 1       | 187       | 27.72                             | 27.68       | 27.54       |
|            | 1       | 188       | 24.67                             | 24.58       | 24.57       |
|            | 90      | 0         | 27.03                             | 27          | 26.92       |
|            | 90      | 50        | 27.77                             | 27.79       | 27.75       |
|            | 90      | 99        | 26.58                             | 26.75       | 26.68       |
|            | 180     | 0         | 26.51                             | 26.46       | 26.48       |
|            | 189     | 0         | 26.76                             | 26.69       | 26.63       |
| 16QAM      | 1       | 0         | 24.65                             | 24.63       | 24.7        |
| 64QAM      | 1       | 0         | 24.68                             | 24.7        | 24.66       |
| 256QAM     | 1       | 0         | 23.33                             | 23.49       | 23.43       |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 27.25                     | 27.66                     | 28.18              | 28.59              | 30               |
| QPSK         | 24.57                     | 27.87                     | 25.50              | 28.80              | 30               |
| 16QAM        | 24.63                     | 24.70                     | 25.56              | 25.63              | 30               |
| 64QAM        | 24.66                     | 24.70                     | 25.59              | 25.63              | 30               |
| 256QAM       | 23.33                     | 23.49                     | 24.26              | 24.42              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Ant. 4, Channel Bandwidth: 80 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |             |           |
|------------|---------|-----------|-----------------------------------|-------------|-----------|
|            |         |           | CH 632668                         | CH 633334   | CH 634000 |
|            |         |           | 3490.02 MHz                       | 3500.01 MHz | 3510 MHz  |
| BPSK       | 1       | 1         | 27.59                             | 27.75       | 27.76     |
|            | 1       | 0         | 27.37                             | 27.37       | 27.34     |
| QPSK       | 1       | 1         | 27.95                             | 27.92       | 27.82     |
|            | 1       | 0         | 24.73                             | 24.81       | 24.82     |
|            | 1       | 109       | 27.5                              | 27.56       | 27.61     |
|            | 1       | 215       | 27.69                             | 27.72       | 27.69     |
|            | 1       | 216       | 24.66                             | 24.65       | 24.64     |
|            | 108     | 0         | 27.03                             | 27.01       | 27.06     |
|            | 108     | 55        | 27.84                             | 27.82       | 27.76     |
|            | 108     | 109       | 26.53                             | 26.62       | 26.71     |
|            | 216     | 0         | 26.46                             | 26.55       | 26.41     |
|            | 217     | 0         | 26.74                             | 26.69       | 26.53     |
| 16QAM      | 1       | 0         | 24.76                             | 24.65       | 24.71     |
| 64QAM      | 1       | 0         | 24.62                             | 24.58       | 24.6      |
| 256QAM     | 1       | 0         | 23.39                             | 23.55       | 23.45     |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 27.34                     | 27.76                     | 28.27              | 28.69              | 30               |
| QPSK         | 24.64                     | 27.95                     | 25.57              | 28.88              | 30               |
| 16QAM        | 24.65                     | 24.76                     | 25.58              | 25.69              | 30               |
| 64QAM        | 24.58                     | 24.62                     | 25.51              | 25.55              | 30               |
| 256QAM       | 23.39                     | 23.55                     | 24.32              | 24.48              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Ant. 4, Channel Bandwidth: 90 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |             |             |
|------------|---------|-----------|-----------------------------------|-------------|-------------|
|            |         |           | CH 633000                         | CH 633334   | CH 633666   |
|            |         |           | 3495 MHz                          | 3500.01 MHz | 3504.99 MHz |
| BPSK       | 1       | 1         | 27.74                             | 27.77       | 27.83       |
|            | 1       | 0         | 27.39                             | 27.51       | 27.41       |
| QPSK       | 1       | 1         | 27.99                             | 27.95       | 27.88       |
|            | 1       | 0         | 24.87                             | 24.91       | 24.89       |
|            | 1       | 123       | 27.57                             | 27.68       | 27.61       |
|            | 1       | 243       | 27.78                             | 27.72       | 27.77       |
|            | 1       | 244       | 24.75                             | 24.76       | 24.68       |
|            | 120     | 0         | 27.13                             | 27.15       | 27.07       |
|            | 120     | 63        | 27.86                             | 27.88       | 27.84       |
|            | 120     | 125       | 26.64                             | 26.77       | 26.72       |
|            | 243     | 0         | 26.53                             | 26.61       | 26.51       |
|            | 245     | 0         | 26.79                             | 26.81       | 26.66       |
| 16QAM      | 1       | 0         | 24.79                             | 24.72       | 24.77       |
| 64QAM      | 1       | 0         | 24.71                             | 24.71       | 24.69       |
| 256QAM     | 1       | 0         | 23.47                             | 23.55       | 23.57       |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 27.39                     | 27.83                     | 28.32              | 28.76              | 30               |
| QPSK         | 24.68                     | 27.99                     | 25.61              | 28.92              | 30               |
| 16QAM        | 24.72                     | 24.79                     | 25.65              | 25.72              | 30               |
| 64QAM        | 24.69                     | 24.71                     | 25.62              | 25.64              | 30               |
| 256QAM       | 23.47                     | 23.57                     | 24.40              | 24.50              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Ant. 4, Channel Bandwidth: 100 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |
|------------|---------|-----------|-----------------------------------|
|            |         |           | CH 633334                         |
|            |         |           | 3500.01 MHz                       |
| BPSK       | 1       | 1         | 27.87                             |
|            | 1       | 0         | 27.52                             |
| QPSK       | 1       | 1         | 28.02                             |
|            | 1       | 0         | 24.93                             |
|            | 1       | 137       | 27.76                             |
|            | 1       | 271       | 27.82                             |
|            | 1       | 272       | 24.84                             |
|            | 135     | 0         | 27.16                             |
|            | 135     | 69        | 27.9                              |
|            | 135     | 138       | 26.8                              |
|            | 270     | 0         | 26.68                             |
|            | 273     | 0         | 26.84                             |
| 16QAM      | 1       | 0         | 24.82                             |
| 64QAM      | 1       | 0         | 24.78                             |
| 256QAM     | 1       | 0         | 23.59                             |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| BPSK         | 27.52                     | 27.87                     | 28.45              | 28.80              | 30               |
| QPSK         | 24.84                     | 28.02                     | 25.77              | 28.95              | 30               |
| 16QAM        | 24.82                     | 24.82                     | 25.75              | 25.75              | 30               |
| 64QAM        | 24.78                     | 24.78                     | 25.71              | 25.71              | 30               |
| 256QAM       | 23.59                     | 23.59                     | 24.52              | 24.52              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

# 7.1.20 NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) (MIMO)

## NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), MIMO, Channel Bandwidth: 20 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |       |       |             |       |       |           |       |       |
|------------|---------|-----------|-----------------------------------|-------|-------|-------------|-------|-------|-----------|-------|-------|
|            |         |           | CH 630668                         |       |       | CH 633334   |       |       | CH 636000 |       |       |
|            |         |           | 3460.02 MHz                       |       |       | 3500.01 MHz |       |       | 3540 MHz  |       |       |
|            |         |           | TX 1                              | TX 2  | Total | TX 1        | TX 2  | Total | TX 1      | TX 2  | Total |
| QPSK       | 1       | 1         | 24.53                             | 24.28 | 27.42 | 24.39       | 24.54 | 27.48 | 24.27     | 24.43 | 27.36 |
|            | 1       | 0         | 23.66                             | 23.28 | 26.48 | 23.44       | 23.6  | 26.53 | 23.42     | 23.62 | 26.53 |
|            | 1       | 26        | 24.59                             | 24.26 | 27.44 | 24.47       | 24.59 | 27.54 | 24.3      | 24.54 | 27.43 |
|            | 1       | 49        | 24.34                             | 24.16 | 27.26 | 24.45       | 24.43 | 27.45 | 24.24     | 24.54 | 27.4  |
|            | 1       | 50        | 24.3                              | 24.15 | 27.24 | 24.27       | 24.52 | 27.41 | 24.3      | 24.34 | 27.33 |
|            | 25      | 0         | 23.46                             | 23.31 | 26.4  | 23.53       | 23.73 | 26.64 | 23.27     | 23.58 | 26.44 |
|            | 25      | 13        | 24.48                             | 24.23 | 27.37 | 24.44       | 24.47 | 27.47 | 24.22     | 24.58 | 27.41 |
|            | 25      | 26        | 23.57                             | 23.23 | 26.41 | 23.36       | 23.49 | 26.44 | 23.33     | 23.5  | 26.43 |
|            | 50      | 0         | 23.59                             | 23.32 | 26.47 | 23.47       | 23.68 | 26.59 | 23.43     | 23.62 | 26.54 |
|            | 51      | 0         | 23.56                             | 23.33 | 26.46 | 23.44       | 23.55 | 26.51 | 23.23     | 23.49 | 26.37 |
| 16QAM      | 1       | 0         | 22.43                             | 22.11 | 25.28 | 22.43       | 22.44 | 25.45 | 22.18     | 22.6  | 25.41 |
| 64QAM      | 1       | 0         | 21.85                             | 21.6  | 24.74 | 21.83       | 21.94 | 24.9  | 21.76     | 21.83 | 24.81 |
| 256QAM     | 1       | 0         | 19.97                             | 19.82 | 22.91 | 20.02       | 20.19 | 23.12 | 19.87     | 20.11 | 23    |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| QPSK         | 26.37                     | 27.54                     | 27.87              | 29.04              | 30               |
| 16QAM        | 25.28                     | 25.45                     | 26.78              | 26.95              | 30               |
| 64QAM        | 24.74                     | 24.9                      | 26.24              | 26.4               | 30               |
| 256QAM       | 22.91                     | 23.12                     | 24.41              | 24.62              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), MIMO, Channel Bandwidth: 30 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |       |       |             |       |       |             |       |       |
|------------|---------|-----------|-----------------------------------|-------|-------|-------------|-------|-------|-------------|-------|-------|
|            |         |           | CH 631000                         |       |       | CH 633334   |       |       | CH 635666   |       |       |
|            |         |           | 3465 MHz                          |       |       | 3500.01 MHz |       |       | 3534.99 MHz |       |       |
|            |         |           | TX 1                              | TX 2  | Total | TX 1        | TX 2  | Total | TX 1        | TX 2  | Total |
| QPSK       | 1       | 1         | 24.6                              | 24.33 | 27.48 | 24.44       | 24.59 | 27.53 | 24.33       | 24.5  | 27.43 |
|            | 1       | 0         | 23.66                             | 23.38 | 26.53 | 23.53       | 23.7  | 26.63 | 23.44       | 23.65 | 26.56 |
|            | 1       | 39        | 24.61                             | 24.38 | 27.51 | 24.47       | 24.6  | 27.55 | 24.32       | 24.59 | 27.47 |
|            | 1       | 76        | 24.43                             | 24.25 | 27.35 | 24.45       | 24.5  | 27.49 | 24.27       | 24.64 | 27.47 |
|            | 1       | 77        | 24.35                             | 24.29 | 27.33 | 24.34       | 24.54 | 27.45 | 24.35       | 24.36 | 27.37 |
|            | 36      | 0         | 23.51                             | 23.42 | 26.48 | 23.54       | 23.76 | 26.66 | 23.37       | 23.64 | 26.52 |
|            | 36      | 21        | 24.49                             | 24.29 | 27.4  | 24.47       | 24.55 | 27.52 | 24.3        | 24.59 | 27.46 |
|            | 36      | 42        | 23.66                             | 23.29 | 26.49 | 23.52       | 23.6  | 26.57 | 23.37       | 23.45 | 26.42 |
|            | 75      | 0         | 23.66                             | 23.37 | 26.53 | 23.6        | 23.72 | 26.67 | 23.47       | 23.74 | 26.62 |
|            | 78      | 0         | 23.63                             | 23.42 | 26.54 | 23.49       | 23.63 | 26.57 | 23.33       | 23.52 | 26.44 |
| 16QAM      | 1       | 0         | 22.47                             | 22.25 | 25.37 | 22.45       | 22.55 | 25.51 | 22.35       | 22.56 | 25.47 |
| 64QAM      | 1       | 0         | 21.95                             | 21.85 | 24.91 | 21.85       | 22.04 | 24.96 | 21.89       | 21.89 | 24.9  |
| 256QAM     | 1       | 0         | 19.99                             | 19.98 | 23    | 20.03       | 20.19 | 23.12 | 19.89       | 20.1  | 23.01 |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| QPSK         | 26.42                     | 27.55                     | 27.92              | 29.05              | 30               |
| 16QAM        | 25.37                     | 25.51                     | 26.87              | 27.01              | 30               |
| 64QAM        | 24.9                      | 24.96                     | 26.4               | 26.46              | 30               |
| 256QAM       | 23                        | 23.12                     | 24.5               | 24.62              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), MIMO, Channel Bandwidth: 40 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |       |       |             |       |       |             |       |       |
|------------|---------|-----------|-----------------------------------|-------|-------|-------------|-------|-------|-------------|-------|-------|
|            |         |           | CH 631334                         |       |       | CH 633334   |       |       | CH 635332   |       |       |
|            |         |           | 3470.01 MHz                       |       |       | 3500.01 MHz |       |       | 3529.98 MHz |       |       |
|            |         |           | TX 1                              | TX 2  | Total | TX 1        | TX 2  | Total | TX 1        | TX 2  | Total |
| QPSK       | 1       | 1         | 24.64                             | 24.37 | 27.52 | 24.49       | 24.63 | 27.57 | 24.37       | 24.52 | 27.46 |
|            | 1       | 0         | 23.7                              | 23.49 | 26.61 | 23.59       | 23.73 | 26.67 | 23.48       | 23.74 | 26.62 |
|            | 1       | 53        | 24.63                             | 24.45 | 27.55 | 24.48       | 24.67 | 27.59 | 24.32       | 24.62 | 27.48 |
|            | 1       | 104       | 24.5                              | 24.39 | 27.46 | 24.55       | 24.57 | 27.57 | 24.27       | 24.66 | 27.48 |
|            | 1       | 105       | 24.43                             | 24.27 | 27.36 | 24.35       | 24.59 | 27.48 | 24.42       | 24.43 | 27.44 |
|            | 50      | 0         | 23.55                             | 23.54 | 26.56 | 23.6        | 23.78 | 26.7  | 23.32       | 23.64 | 26.49 |
|            | 50      | 28        | 24.54                             | 24.33 | 27.45 | 24.4        | 24.65 | 27.54 | 24.25       | 24.63 | 27.45 |
|            | 50      | 56        | 23.67                             | 23.41 | 26.55 | 23.47       | 23.62 | 26.56 | 23.4        | 23.53 | 26.48 |
|            | 100     | 0         | 23.76                             | 23.48 | 26.63 | 23.52       | 23.74 | 26.64 | 23.49       | 23.8  | 26.66 |
|            | 106     | 0         | 23.65                             | 23.44 | 26.56 | 23.51       | 23.68 | 26.61 | 23.32       | 23.59 | 26.47 |
| 16QAM      | 1       | 0         | 22.54                             | 22.33 | 25.45 | 22.46       | 22.6  | 25.54 | 22.32       | 22.72 | 25.53 |
| 64QAM      | 1       | 0         | 21.93                             | 21.77 | 24.86 | 21.87       | 22.08 | 24.99 | 21.91       | 21.92 | 24.93 |
| 256QAM     | 1       | 0         | 20.03                             | 20.04 | 23.05 | 20.08       | 20.24 | 23.17 | 19.91       | 20.16 | 23.05 |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| QPSK         | 26.47                     | 27.59                     | 27.97              | 29.09              | 30               |
| 16QAM        | 25.45                     | 25.54                     | 26.95              | 27.04              | 30               |
| 64QAM        | 24.86                     | 24.99                     | 26.36              | 26.49              | 30               |
| 256QAM       | 23.05                     | 23.17                     | 24.55              | 24.67              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), MIMO, Channel Bandwidth: 50 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |       |       |             |       |       |           |       |       |
|------------|---------|-----------|-----------------------------------|-------|-------|-------------|-------|-------|-----------|-------|-------|
|            |         |           | CH 631668                         |       |       | CH 633334   |       |       | CH 635000 |       |       |
|            |         |           | 3475.02 MHz                       |       |       | 3500.01 MHz |       |       | 3525 MHz  |       |       |
|            |         |           | TX 1                              | TX 2  | Total | TX 1        | TX 2  | Total | TX 1      | TX 2  | Total |
| QPSK       | 1       | 1         | 24.66                             | 24.4  | 27.54 | 24.51       | 24.67 | 27.6  | 24.39     | 24.56 | 27.49 |
|            | 1       | 0         | 23.77                             | 23.46 | 26.63 | 23.61       | 23.79 | 26.71 | 23.51     | 23.8  | 26.67 |
|            | 1       | 67        | 24.66                             | 24.43 | 27.56 | 24.52       | 24.65 | 27.6  | 24.27     | 24.66 | 27.48 |
|            | 1       | 131       | 24.55                             | 24.33 | 27.45 | 24.51       | 24.64 | 27.59 | 24.36     | 24.71 | 27.55 |
|            | 1       | 132       | 24.46                             | 24.3  | 27.39 | 24.3        | 24.51 | 27.42 | 24.35     | 24.47 | 27.42 |
|            | 64      | 0         | 23.59                             | 23.52 | 26.57 | 23.59       | 23.76 | 26.69 | 23.39     | 23.65 | 26.53 |
|            | 64      | 35        | 24.63                             | 24.27 | 27.46 | 24.39       | 24.65 | 27.53 | 24.2      | 24.61 | 27.42 |
|            | 64      | 69        | 23.67                             | 23.43 | 26.56 | 23.53       | 23.64 | 26.6  | 23.37     | 23.57 | 26.48 |
|            | 128     | 0         | 23.71                             | 23.52 | 26.63 | 23.54       | 23.79 | 26.68 | 23.52     | 23.75 | 26.65 |
|            | 133     | 0         | 23.68                             | 23.49 | 26.6  | 23.49       | 23.63 | 26.57 | 23.32     | 23.65 | 26.5  |
| 16QAM      | 1       | 0         | 22.51                             | 22.34 | 25.44 | 22.55       | 22.58 | 25.58 | 22.3      | 22.65 | 25.49 |
| 64QAM      | 1       | 0         | 21.88                             | 21.81 | 24.86 | 21.82       | 22.02 | 24.93 | 21.87     | 21.94 | 24.92 |
| 256QAM     | 1       | 0         | 20                                | 20.05 | 23.04 | 20.04       | 20.21 | 23.14 | 19.91     | 20.21 | 23.07 |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| QPSK         | 26.48                     | 27.6                      | 27.98              | 29.1               | 30               |
| 16QAM        | 25.44                     | 25.58                     | 26.94              | 27.08              | 30               |
| 64QAM        | 24.86                     | 24.93                     | 26.36              | 26.43              | 30               |
| 256QAM       | 23.04                     | 23.14                     | 24.54              | 24.64              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), MIMO, Channel Bandwidth: 60 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |       |       |             |       |       |             |       |       |
|------------|---------|-----------|-----------------------------------|-------|-------|-------------|-------|-------|-------------|-------|-------|
|            |         |           | CH 632000                         |       |       | CH 633334   |       |       | CH 634666   |       |       |
|            |         |           | 3480 MHz                          |       |       | 3500.01 MHz |       |       | 3519.99 MHz |       |       |
|            |         |           | TX 1                              | TX 2  | Total | TX 1        | TX 2  | Total | TX 1        | TX 2  | Total |
| QPSK       | 1       | 1         | 24.68                             | 24.43 | 27.57 | 24.54       | 24.69 | 27.63 | 24.42       | 24.59 | 27.52 |
|            | 1       | 0         | 23.77                             | 23.55 | 26.67 | 23.62       | 23.83 | 26.74 | 23.52       | 23.8  | 26.67 |
|            | 1       | 81        | 24.71                             | 24.52 | 27.63 | 24.53       | 24.73 | 27.64 | 24.37       | 24.69 | 27.54 |
|            | 1       | 160       | 24.6                              | 24.42 | 27.52 | 24.55       | 24.65 | 27.61 | 24.37       | 24.72 | 27.56 |
|            | 1       | 161       | 24.46                             | 24.36 | 27.42 | 24.38       | 24.61 | 27.51 | 24.42       | 24.51 | 27.48 |
|            | 81      | 0         | 23.59                             | 23.59 | 26.6  | 23.6        | 23.79 | 26.71 | 23.41       | 23.74 | 26.59 |
|            | 81      | 41        | 24.64                             | 24.35 | 27.51 | 24.48       | 24.65 | 27.58 | 24.3        | 24.64 | 27.48 |
|            | 81      | 81        | 23.66                             | 23.44 | 26.56 | 23.55       | 23.64 | 26.61 | 23.45       | 23.6  | 26.54 |
|            | 162     | 0         | 23.64                             | 23.41 | 26.54 | 23.52       | 23.6  | 26.57 | 23.42       | 23.55 | 26.5  |
| 16QAM      | 1       | 0         | 22.56                             | 22.48 | 25.53 | 22.57       | 22.67 | 25.63 | 22.32       | 22.65 | 25.5  |
| 64QAM      | 1       | 0         | 21.97                             | 21.95 | 24.97 | 21.9        | 22.11 | 25.02 | 21.86       | 22.09 | 24.99 |
| 256QAM     | 1       | 0         | 20.05                             | 20.12 | 23.1  | 20.04       | 20.23 | 23.15 | 19.92       | 20.28 | 23.11 |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| QPSK         | 26.5                      | 27.64                     | 28                 | 29.14              | 30               |
| 16QAM        | 25.5                      | 25.63                     | 27                 | 27.13              | 30               |
| 64QAM        | 24.97                     | 25.02                     | 26.47              | 26.52              | 30               |
| 256QAM       | 23.1                      | 23.15                     | 24.6               | 24.65              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), MIMO, Channel Bandwidth: 70 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |       |       |             |       |       |             |       |       |
|------------|---------|-----------|-----------------------------------|-------|-------|-------------|-------|-------|-------------|-------|-------|
|            |         |           | CH 632334                         |       |       | CH 633334   |       |       | CH 634332   |       |       |
|            |         |           | 3485.01 MHz                       |       |       | 3500.01 MHz |       |       | 3514.98 MHz |       |       |
|            |         |           | TX 1                              | TX 2  | Total | TX 1        | TX 2  | Total | TX 1        | TX 2  | Total |
| QPSK       | 1       | 1         | 24.72                             | 24.47 | 27.61 | 24.56       | 24.71 | 27.65 | 24.46       | 24.62 | 27.55 |
|            | 1       | 0         | 23.8                              | 23.53 | 26.68 | 23.61       | 23.79 | 26.71 | 23.55       | 23.79 | 26.68 |
|            | 1       | 95        | 24.77                             | 24.48 | 27.64 | 24.52       | 24.7  | 27.62 | 24.41       | 24.65 | 27.54 |
|            | 1       | 187       | 24.6                              | 24.4  | 27.51 | 24.56       | 24.72 | 27.65 | 24.37       | 24.68 | 27.54 |
|            | 1       | 188       | 24.56                             | 24.45 | 27.52 | 24.47       | 24.66 | 27.58 | 24.45       | 24.53 | 27.5  |
|            | 90      | 0         | 23.65                             | 23.66 | 26.67 | 23.52       | 23.8  | 26.67 | 23.47       | 23.73 | 26.61 |
|            | 90      | 50        | 24.68                             | 24.35 | 27.53 | 24.5        | 24.68 | 27.6  | 24.36       | 24.63 | 27.51 |
|            | 90      | 99        | 23.67                             | 23.44 | 26.57 | 23.49       | 23.64 | 26.58 | 23.45       | 23.55 | 26.51 |
|            | 180     | 0         | 23.82                             | 23.55 | 26.7  | 23.62       | 23.86 | 26.75 | 23.59       | 23.74 | 26.68 |
|            | 189     | 0         | 23.78                             | 23.48 | 26.64 | 23.58       | 23.7  | 26.65 | 23.45       | 23.67 | 26.57 |
| 16QAM      | 1       | 0         | 22.6                              | 22.48 | 25.55 | 22.56       | 22.75 | 25.67 | 22.39       | 22.71 | 25.56 |
| 64QAM      | 1       | 0         | 22.07                             | 21.93 | 25.01 | 21.9        | 22.11 | 25.02 | 21.91       | 22.1  | 25.02 |
| 256QAM     | 1       | 0         | 20.18                             | 20.16 | 23.18 | 20.1        | 20.24 | 23.18 | 19.98       | 20.27 | 23.14 |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| QPSK         | 26.51                     | 27.65                     | 28.01              | 29.15              | 30               |
| 16QAM        | 25.55                     | 25.67                     | 27.05              | 27.17              | 30               |
| 64QAM        | 25.01                     | 25.02                     | 26.51              | 26.52              | 30               |
| 256QAM       | 23.14                     | 23.18                     | 24.64              | 24.68              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), MIMO, Channel Bandwidth: 80 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |       |       |             |       |       |           |       |       |
|------------|---------|-----------|-----------------------------------|-------|-------|-------------|-------|-------|-----------|-------|-------|
|            |         |           | CH 632668                         |       |       | CH 633334   |       |       | CH 634000 |       |       |
|            |         |           | 3490.02 MHz                       |       |       | 3500.01 MHz |       |       | 3510 MHz  |       |       |
|            |         |           | TX 1                              | TX 2  | Total | TX 1        | TX 2  | Total | TX 1      | TX 2  | Total |
| QPSK       | 1       | 1         | 24.75                             | 24.51 | 27.64 | 24.59       | 24.74 | 27.68 | 24.51     | 24.65 | 27.59 |
|            | 1       | 0         | 23.83                             | 23.59 | 26.72 | 23.69       | 23.86 | 26.79 | 23.59     | 23.81 | 26.71 |
|            | 1       | 109       | 24.79                             | 24.54 | 27.68 | 24.58       | 24.75 | 27.68 | 24.5      | 24.7  | 27.61 |
|            | 1       | 215       | 24.66                             | 24.5  | 27.59 | 24.58       | 24.75 | 27.68 | 24.42     | 24.72 | 27.58 |
|            | 1       | 216       | 24.65                             | 24.46 | 27.57 | 24.48       | 24.66 | 27.58 | 24.48     | 24.61 | 27.56 |
|            | 108     | 0         | 23.74                             | 23.66 | 26.71 | 23.62       | 23.8  | 26.72 | 23.55     | 23.8  | 26.69 |
|            | 108     | 55        | 24.74                             | 24.42 | 27.59 | 24.5        | 24.72 | 27.62 | 24.41     | 24.66 | 27.55 |
|            | 108     | 109       | 23.75                             | 23.57 | 26.67 | 23.55       | 23.75 | 26.66 | 23.49     | 23.68 | 26.6  |
|            | 216     | 0         | 23.79                             | 23.62 | 26.72 | 23.63       | 23.88 | 26.77 | 23.63     | 23.72 | 26.69 |
|            | 217     | 0         | 23.73                             | 23.55 | 26.65 | 23.58       | 23.73 | 26.67 | 23.45     | 23.77 | 26.62 |
| 16QAM      | 1       | 0         | 22.64                             | 22.49 | 25.58 | 22.51       | 22.74 | 25.64 | 22.51     | 22.67 | 25.6  |
| 64QAM      | 1       | 0         | 22.17                             | 22.02 | 25.11 | 22.07       | 22.23 | 25.16 | 21.9      | 22.13 | 25.03 |
| 256QAM     | 1       | 0         | 20.27                             | 20.16 | 23.23 | 20.11       | 20.33 | 23.23 | 20.12     | 20.31 | 23.23 |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| QPSK         | 26.6                      | 27.68                     | 28.1               | 29.18              | 30               |
| 16QAM        | 25.58                     | 25.64                     | 27.08              | 27.14              | 30               |
| 64QAM        | 25.03                     | 25.16                     | 26.53              | 26.66              | 30               |
| 256QAM       | 23.23                     | 23.23                     | 24.73              | 24.73              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), MIMO, Channel Bandwidth: 90 MHz

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |       |       |             |       |       |             |       |       |
|------------|---------|-----------|-----------------------------------|-------|-------|-------------|-------|-------|-------------|-------|-------|
|            |         |           | CH 633000                         |       |       | CH 633334   |       |       | CH 633666   |       |       |
|            |         |           | 3495 MHz                          |       |       | 3500.01 MHz |       |       | 3504.99 MHz |       |       |
|            |         |           | TX 1                              | TX 2  | Total | TX 1        | TX 2  | Total | TX 1        | TX 2  | Total |
| QPSK       | 1       | 1         | 24.79                             | 24.55 | 27.68 | 24.62       | 24.79 | 27.72 | 24.52       | 24.69 | 27.62 |
|            | 1       | 0         | 23.81                             | 23.6  | 26.72 | 23.63       | 23.93 | 26.79 | 23.62       | 23.74 | 26.69 |
|            | 1       | 123       | 24.76                             | 24.59 | 27.69 | 24.62       | 24.77 | 27.71 | 24.49       | 24.69 | 27.6  |
|            | 1       | 243       | 24.65                             | 24.5  | 27.59 | 24.56       | 24.75 | 27.67 | 24.46       | 24.67 | 27.58 |
|            | 1       | 244       | 24.65                             | 24.53 | 27.6  | 24.56       | 24.72 | 27.65 | 24.43       | 24.59 | 27.52 |
|            | 120     | 0         | 23.79                             | 23.62 | 26.72 | 23.62       | 23.8  | 26.72 | 23.57       | 23.79 | 26.69 |
|            | 120     | 63        | 24.69                             | 24.51 | 27.61 | 24.46       | 24.73 | 27.61 | 24.41       | 24.66 | 27.55 |
|            | 120     | 125       | 23.8                              | 23.56 | 26.69 | 23.56       | 23.81 | 26.7  | 23.51       | 23.65 | 26.59 |
|            | 243     | 0         | 23.87                             | 23.59 | 26.74 | 23.68       | 23.86 | 26.78 | 23.64       | 23.79 | 26.73 |
|            | 245     | 0         | 23.79                             | 23.58 | 26.7  | 23.55       | 23.72 | 26.65 | 23.52       | 23.73 | 26.64 |
| 16QAM      | 1       | 0         | 22.68                             | 22.5  | 25.6  | 22.57       | 22.75 | 25.67 | 22.45       | 22.65 | 25.56 |
| 64QAM      | 1       | 0         | 22.13                             | 21.98 | 25.07 | 21.99       | 22.22 | 25.12 | 21.9        | 22.12 | 25.02 |
| 256QAM     | 1       | 0         | 20.24                             | 20.07 | 23.17 | 20.16       | 20.31 | 23.25 | 20.13       | 20.27 | 23.21 |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| QPSK         | 26.59                     | 27.72                     | 28.09              | 29.22              | 30               |
| 16QAM        | 25.56                     | 25.67                     | 27.06              | 27.17              | 30               |
| 64QAM        | 25.02                     | 25.12                     | 26.52              | 26.62              | 30               |
| 256QAM       | 23.17                     | 23.25                     | 24.67              | 24.75              | 30               |

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

**NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), MIMO, Channel Bandwidth: 100 MHz**

| Modulation | RB Size | RB Offset | Measurement Conducted Power (dBm) |       |       |
|------------|---------|-----------|-----------------------------------|-------|-------|
|            |         |           | CH 633334                         |       |       |
|            |         |           | 3500.01 MHz                       |       |       |
|            |         |           | TX 1                              | TX 2  | Total |
| QPSK       | 1       | 1         | 24.64                             | 24.83 | 27.75 |
|            | 1       | 0         | 23.72                             | 23.93 | 26.84 |
|            | 1       | 137       | 24.62                             | 24.81 | 27.73 |
|            | 1       | 271       | 24.59                             | 24.79 | 27.7  |
|            | 1       | 272       | 24.57                             | 24.76 | 27.68 |
|            | 135     | 0         | 23.7                              | 23.9  | 26.81 |
|            | 135     | 69        | 24.54                             | 24.79 | 27.68 |
|            | 135     | 138       | 23.67                             | 23.88 | 26.79 |
|            | 270     | 0         | 23.65                             | 23.85 | 26.76 |
|            | 273     | 0         | 23.62                             | 23.82 | 26.73 |
| 16QAM      | 1       | 0         | 22.71                             | 22.93 | 25.83 |
| 64QAM      | 1       | 0         | 22.21                             | 22.51 | 25.37 |
| 256QAM     | 1       | 0         | 20.31                             | 20.46 | 23.4  |

| Output Power |                           |                           |                    |                    |                  |
|--------------|---------------------------|---------------------------|--------------------|--------------------|------------------|
| Modulation   | Minimum Cond. Power (dBm) | Maximum Cond. Power (dBm) | Minimum EIRP (dBm) | Maximum EIRP (dBm) | EIRP Limit (dBm) |
| QPSK         | 26.73                     | 27.75                     | 28.23              | 29.25              | 30               |
| 16QAM        | 25.83                     | 25.83                     | 27.33              | 27.33              | 30               |
| 64QAM        | 25.37                     | 25.37                     | 26.87              | 26.87              | 30               |
| 256QAM       | 23.4                      | 23.4                      | 24.9               | 24.9               | 30               |

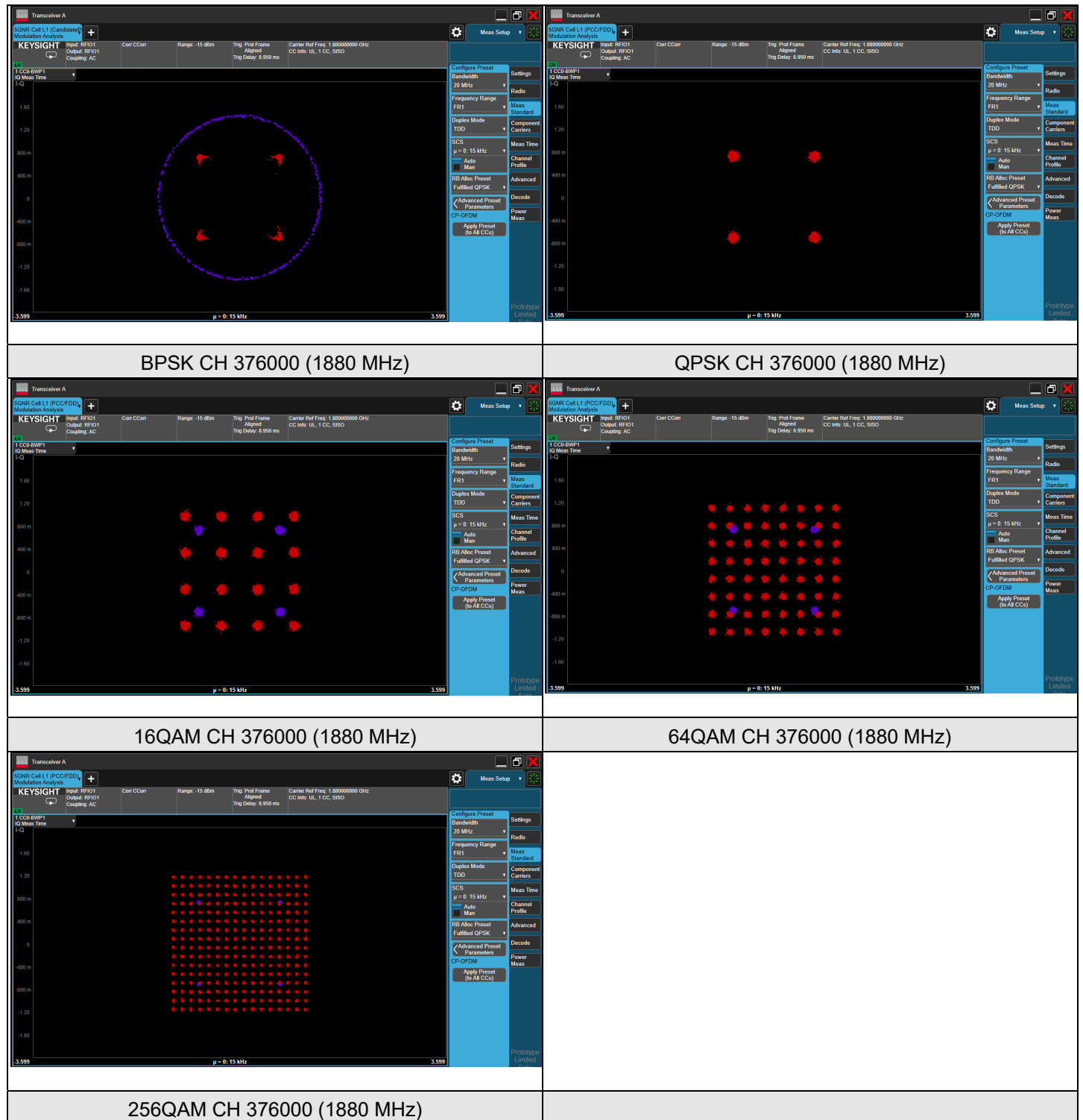
Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

## 7.2 Modulation Characteristics

|              |          |                           |              |            |               |
|--------------|----------|---------------------------|--------------|------------|---------------|
| Input Power: | 3.85 Vdc | Environmental Conditions: | 22°C, 73% RH | Tested By: | Charles Hsiao |
|--------------|----------|---------------------------|--------------|------------|---------------|

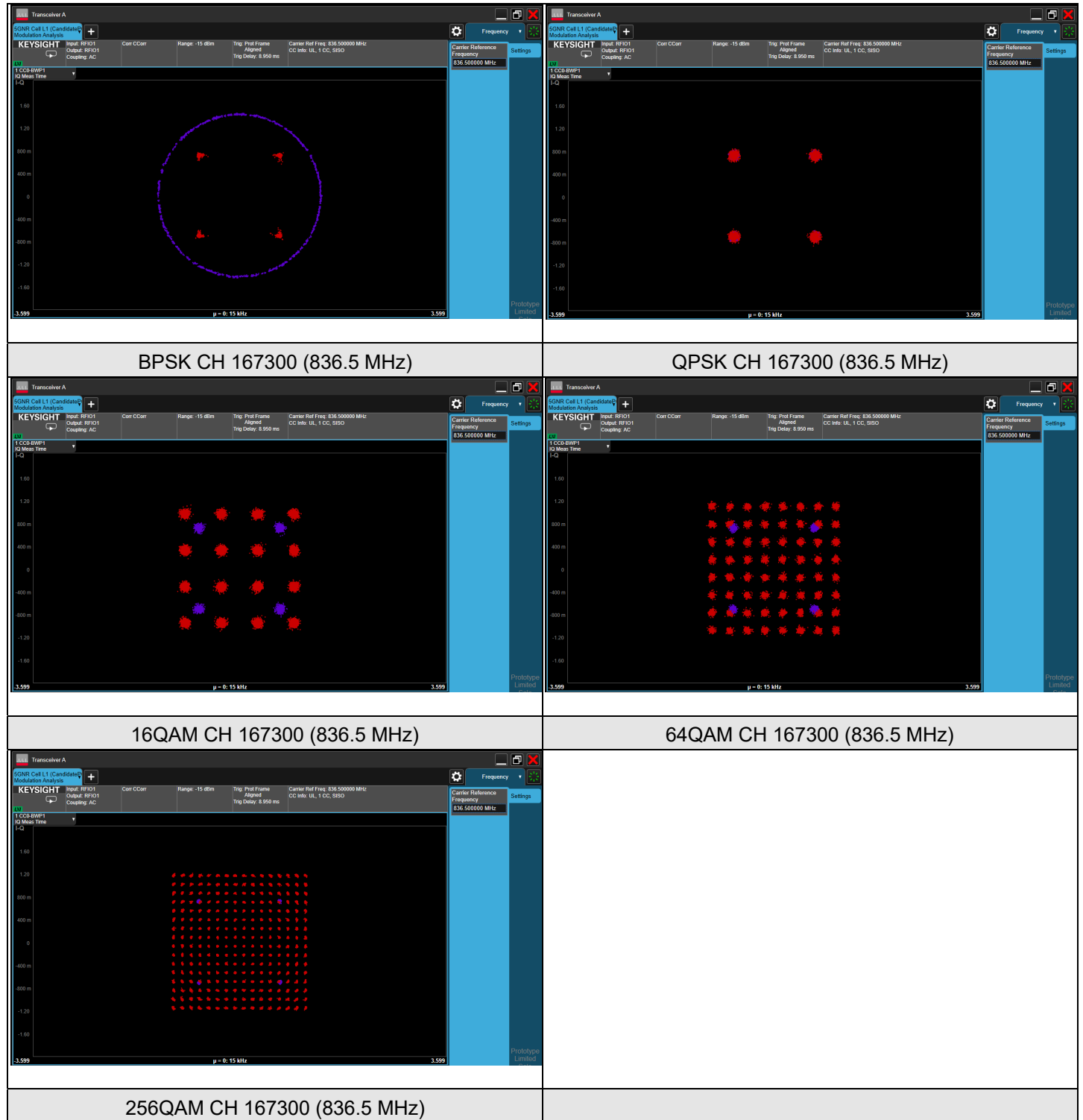
### 7.2.1 NR n2 SCS 15 kHz

#### NR n2 SCS 15 kHz, Channel Bandwidth: 20 MHz



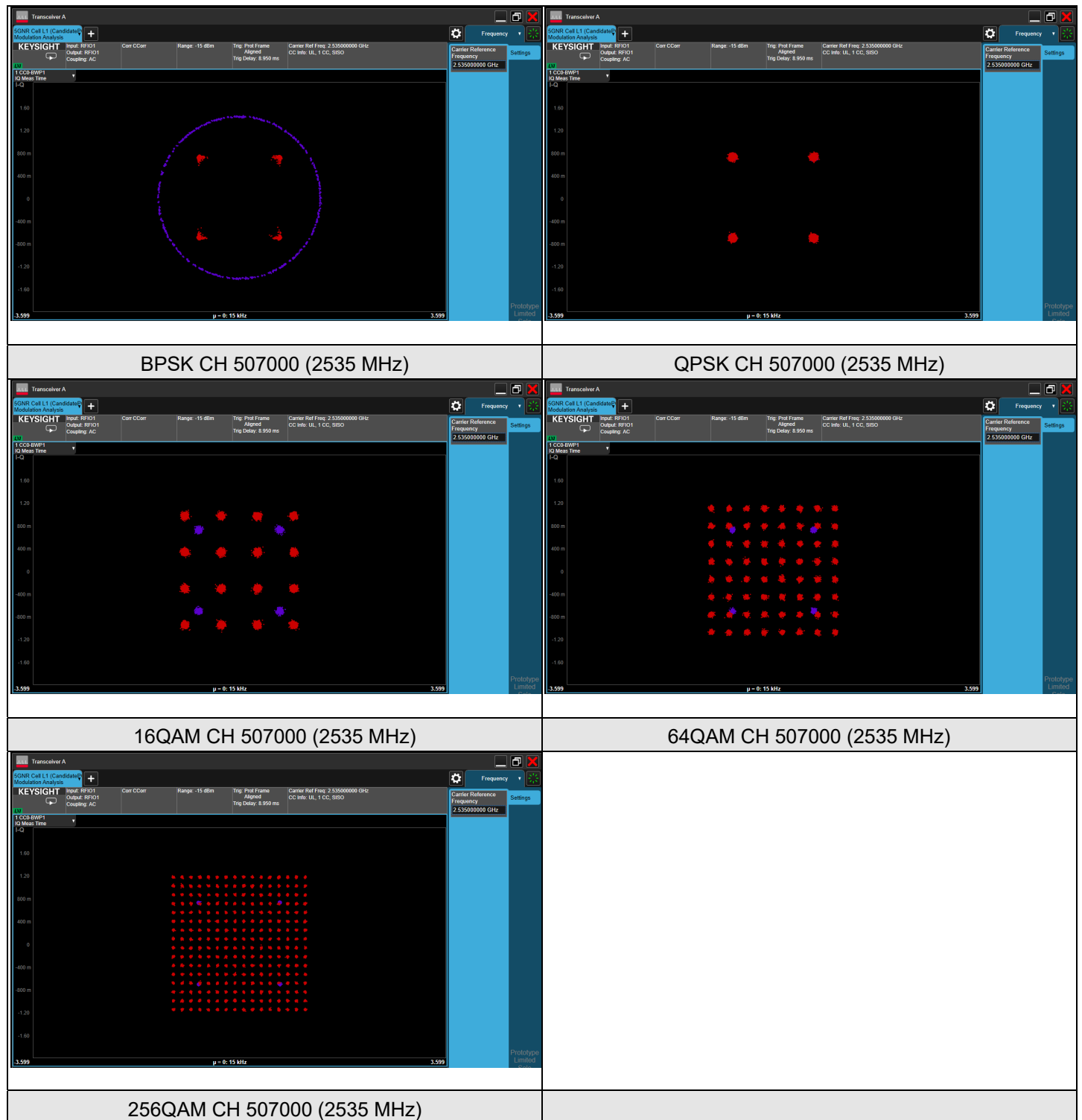
## 7.2.2 NR n5 SCS 15 kHz

### NR n5 SCS 15 kHz, Channel Bandwidth: 20 MHz



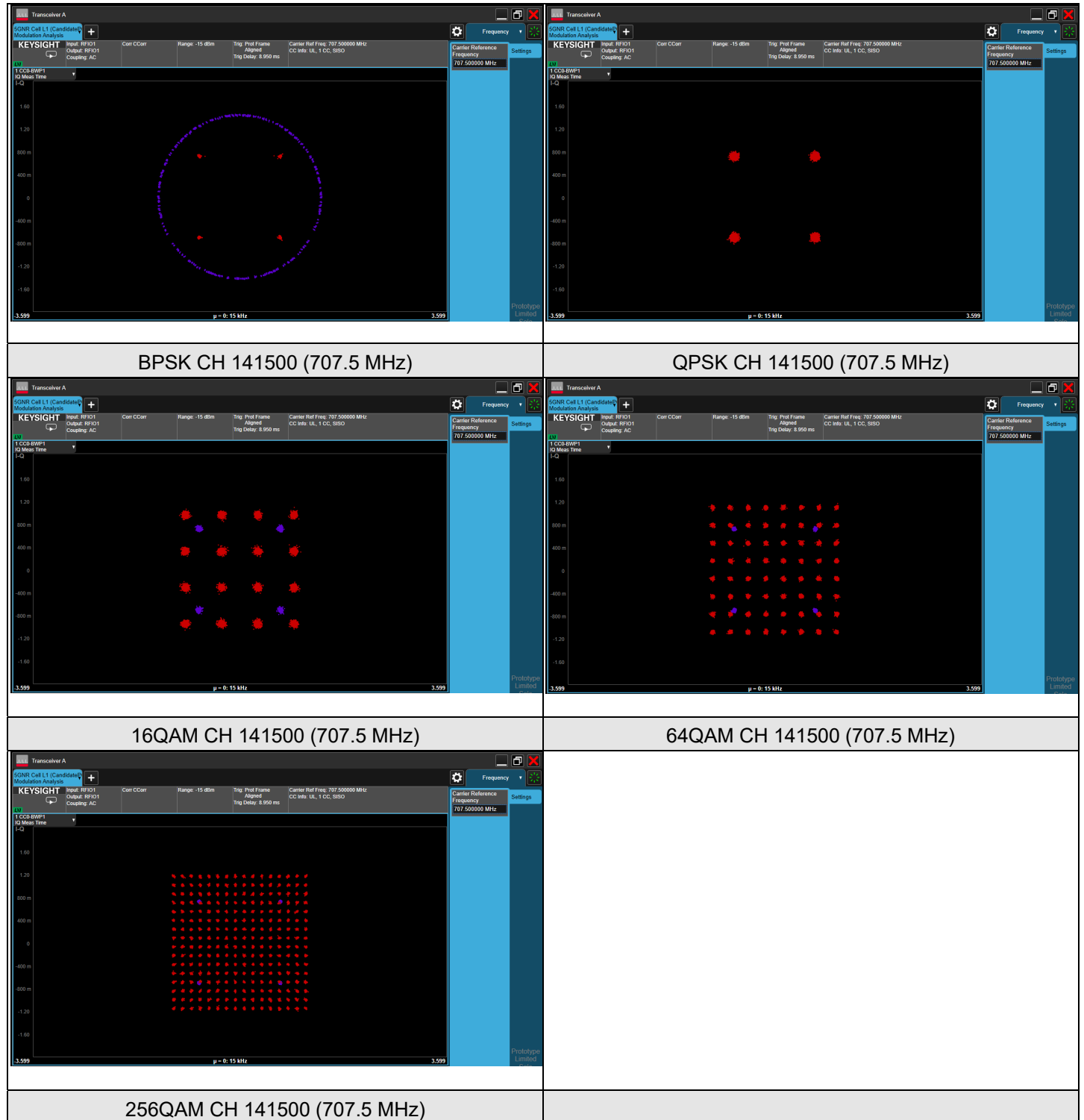
## 7.2.3 NR n7 SCS 15 kHz

### NR n7 SCS 15 kHz, Channel Bandwidth: 20 MHz



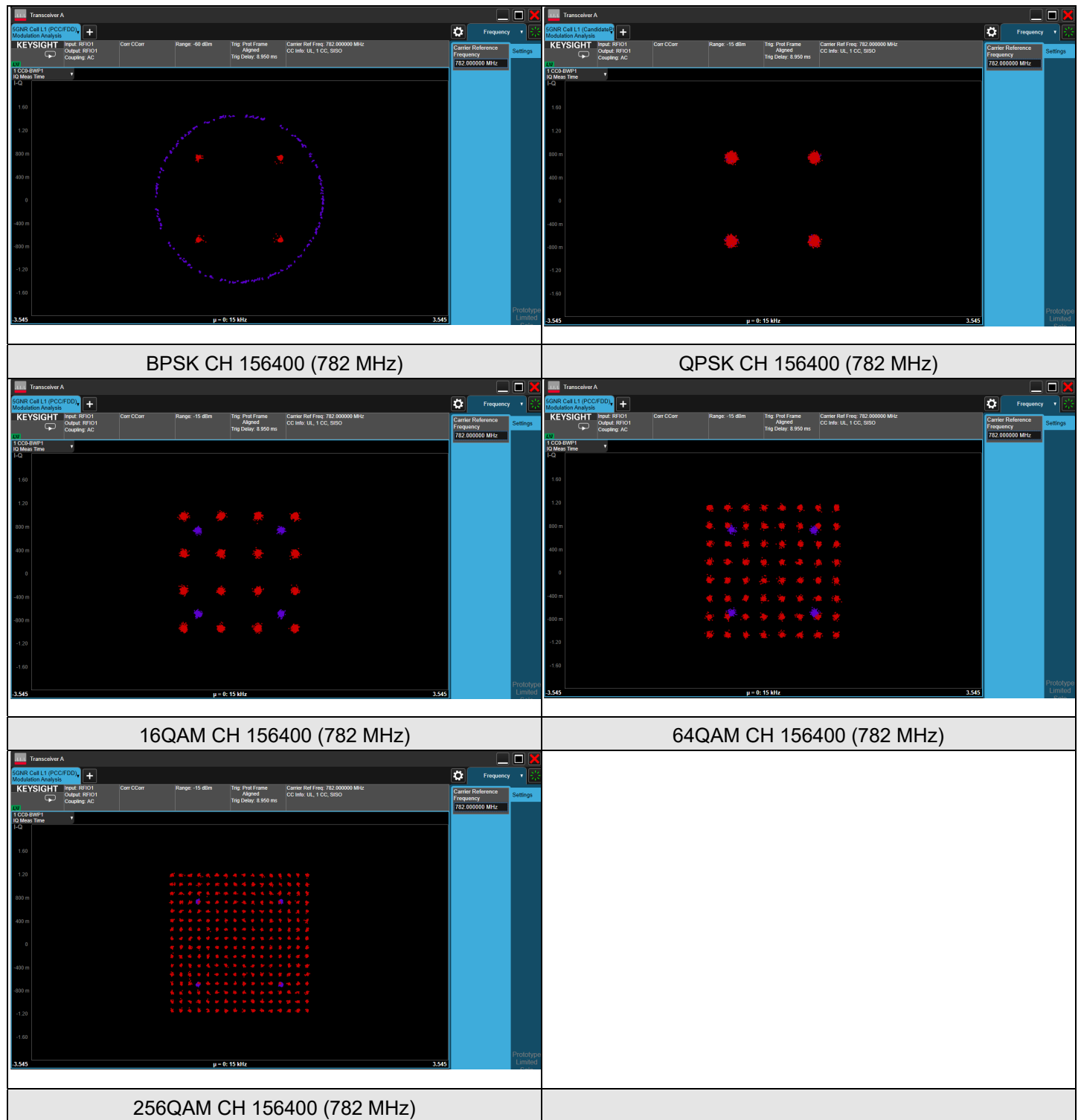
## 7.2.4 NR n12 SCS 15 kHz

### NR n12 SCS 15 kHz, Channel Bandwidth: 15 MHz



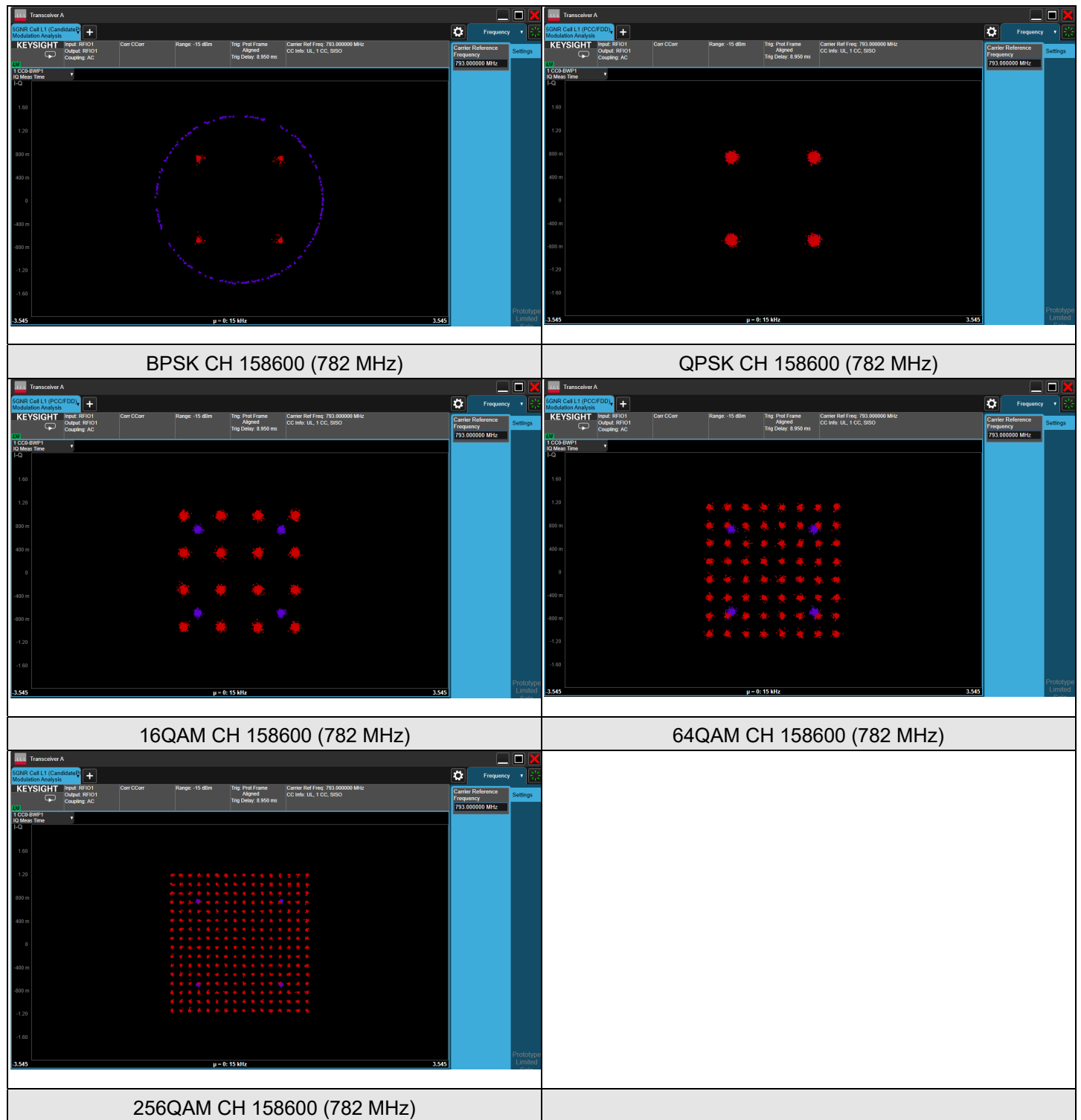
## 7.2.5 NR n13 SCS 15 kHz

### NR n13 SCS 15 kHz, Channel Bandwidth: 10 MHz



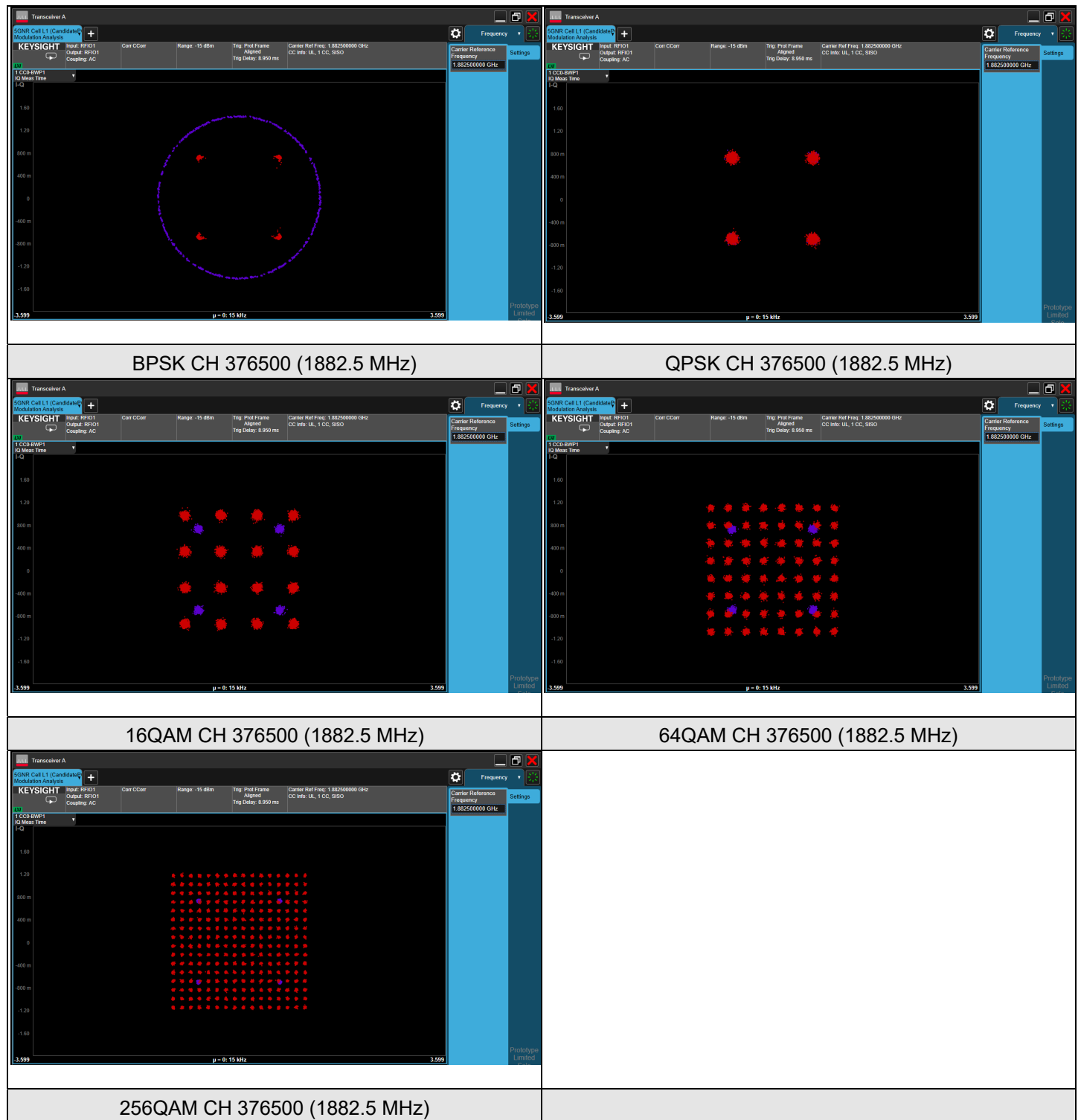
## 7.2.6 NR n14 SCS 15 kHz

### NR n14 SCS 15 kHz, Channel Bandwidth: 10 MHz



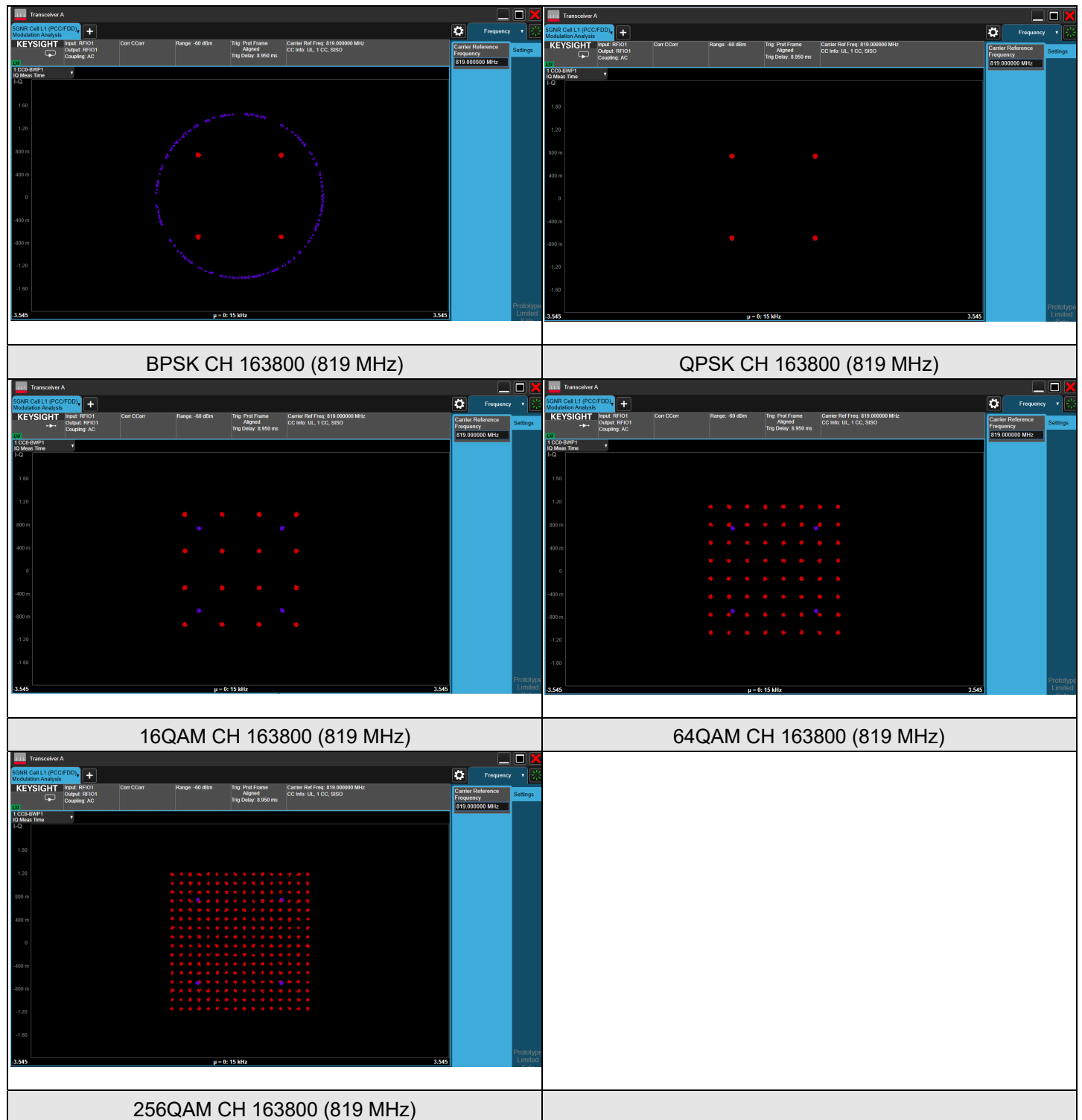
## 7.2.7 NR n25 SCS 15 kHz

### NR n25 SCS 15 kHz, Channel Bandwidth: 20 MHz



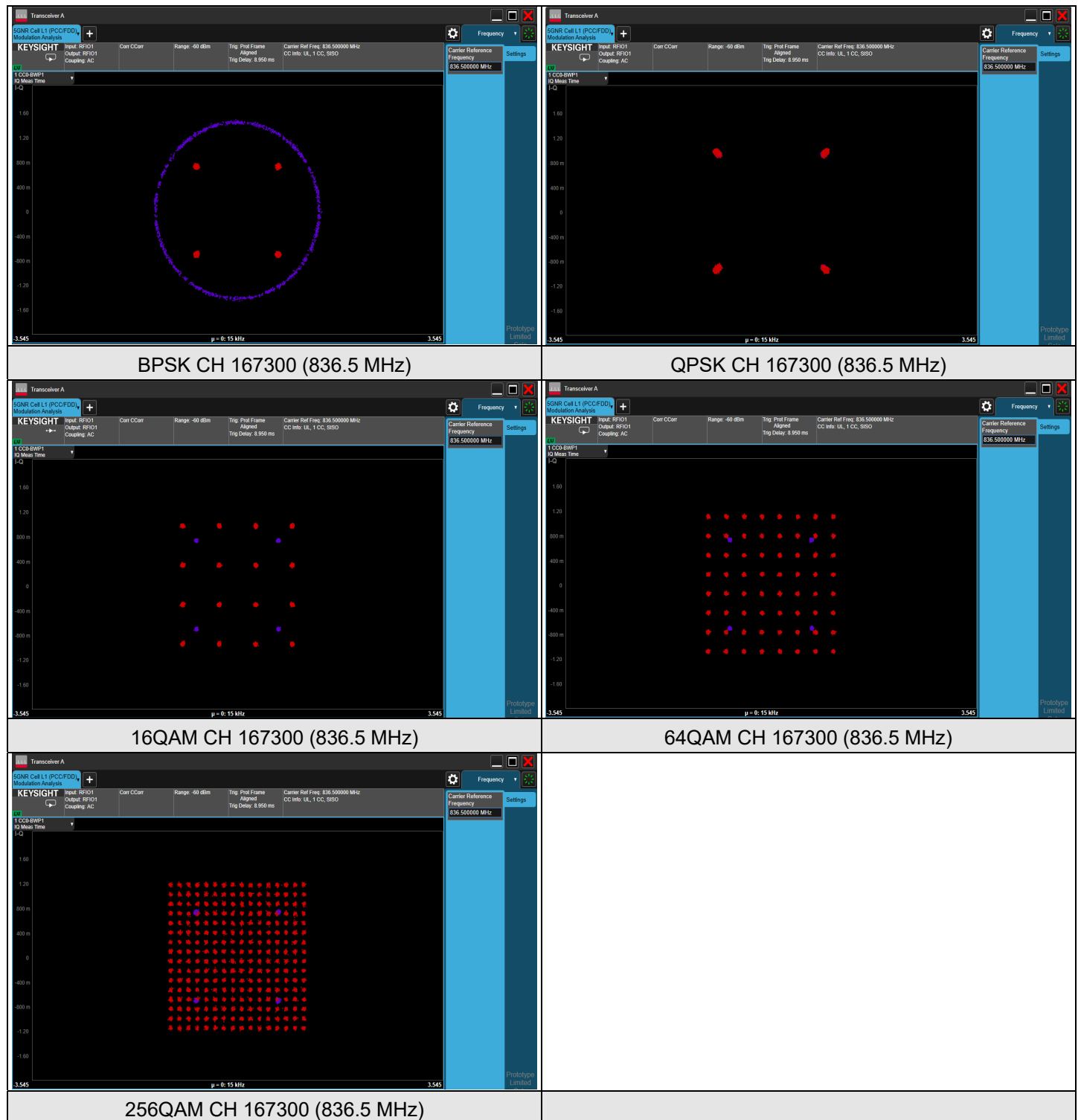
## 7.2.8 NR n26 SCS 15 kHz (814 MHz ~ 824 MHz)

### NR n26 SCS 15 kHz (814 MHz ~ 824 MHz), Channel Bandwidth: 10 MHz



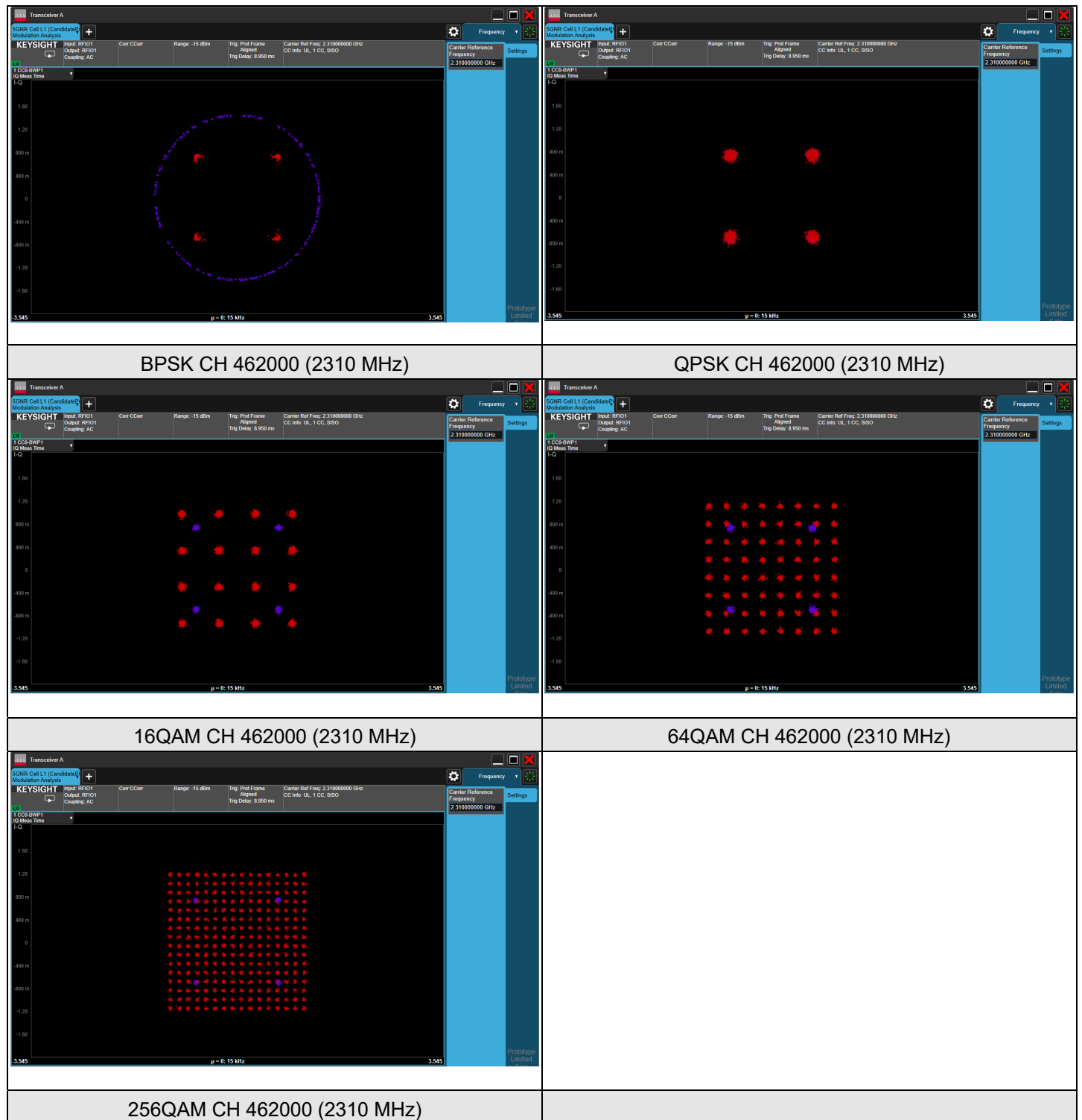
## 7.2.9 NR n26 SCS 15 kHz (824 MHz ~ 849 MHz)

### NR n26 SCS 15 kHz (824 MHz ~ 849 MHz), Channel Bandwidth: 20 MHz



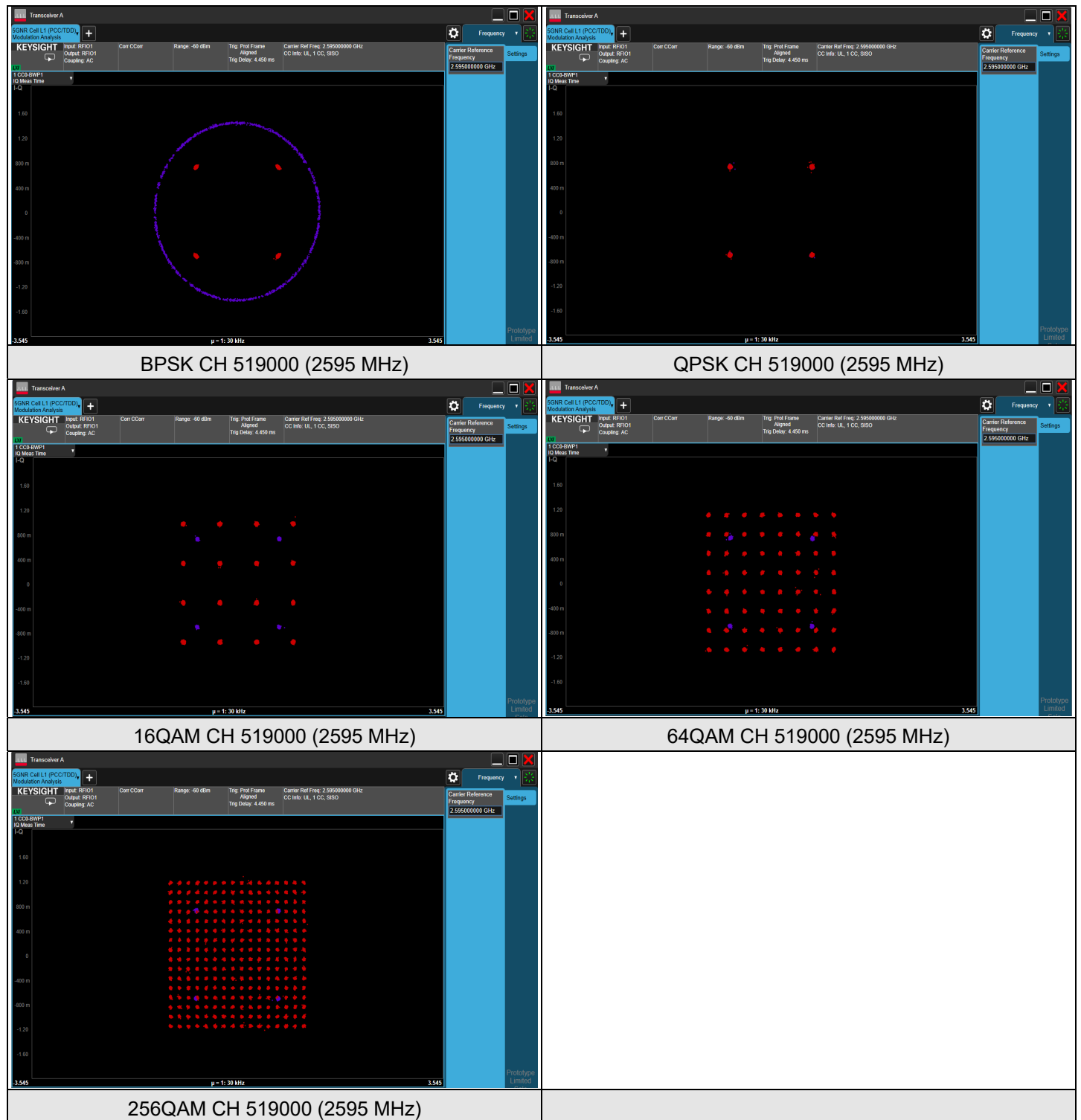
## 7.2.10 NR n30 SCS 15 kHz

### NR n30 SCS 15 kHz, Channel Bandwidth: 10 MHz



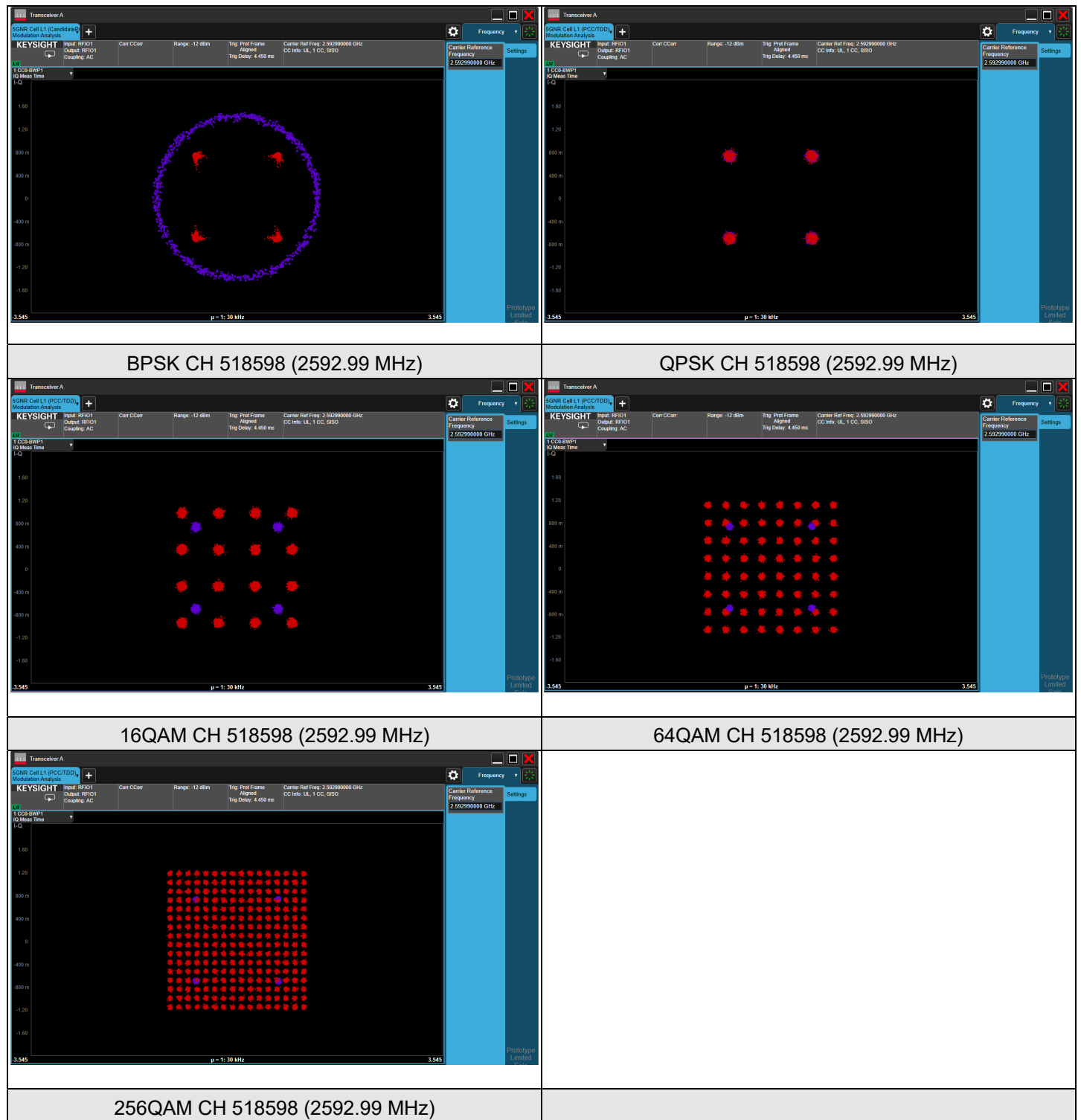
## 7.2.11 NR n38 SCS 30 kHz

### NR n38 SCS 30 kHz, Channel Bandwidth: 40 MHz



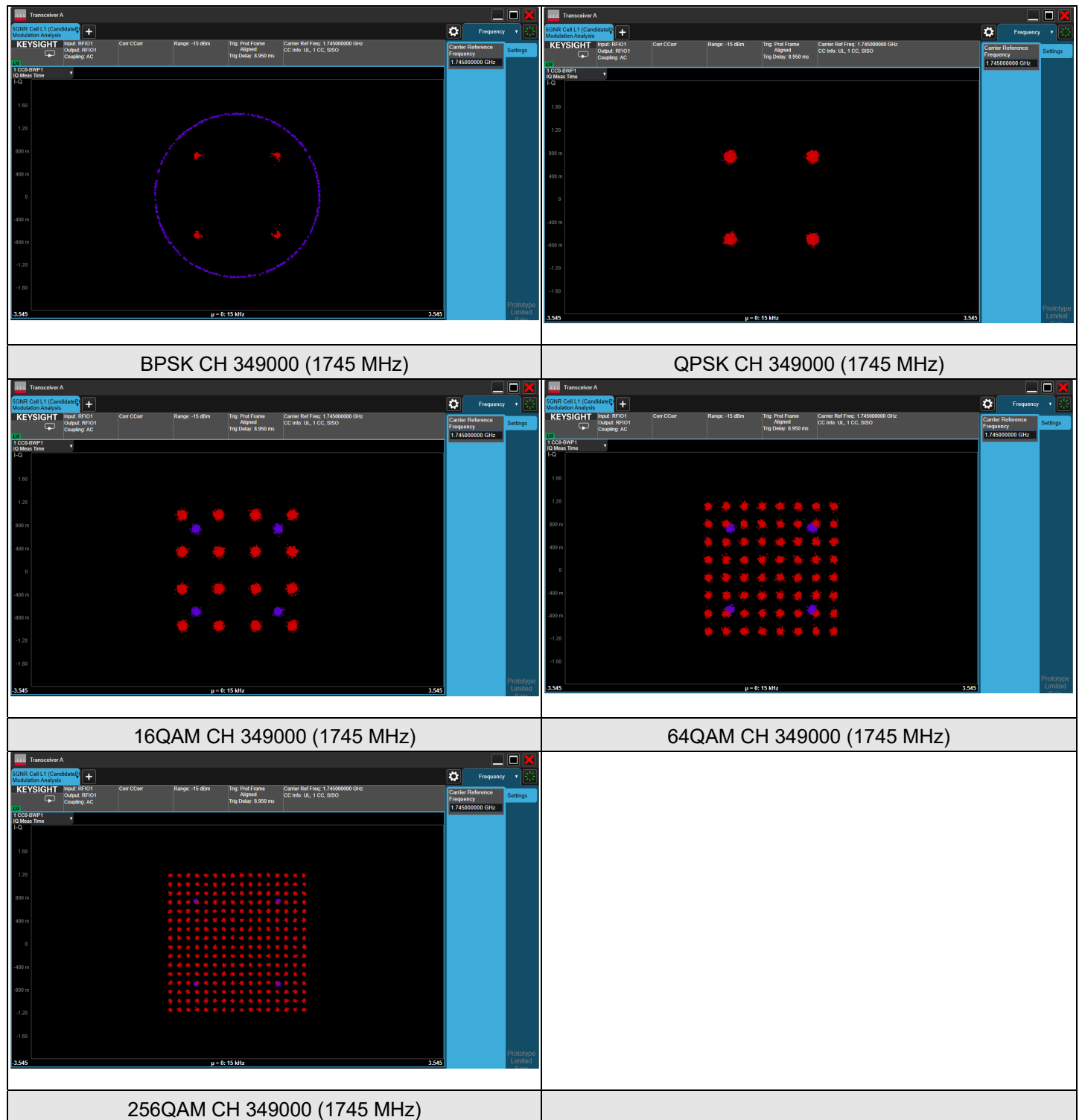
## 7.2.12 NR n41 SCS 30 kHz

### NR n41 SCS 30 kHz, Channel Bandwidth: 100 MHz



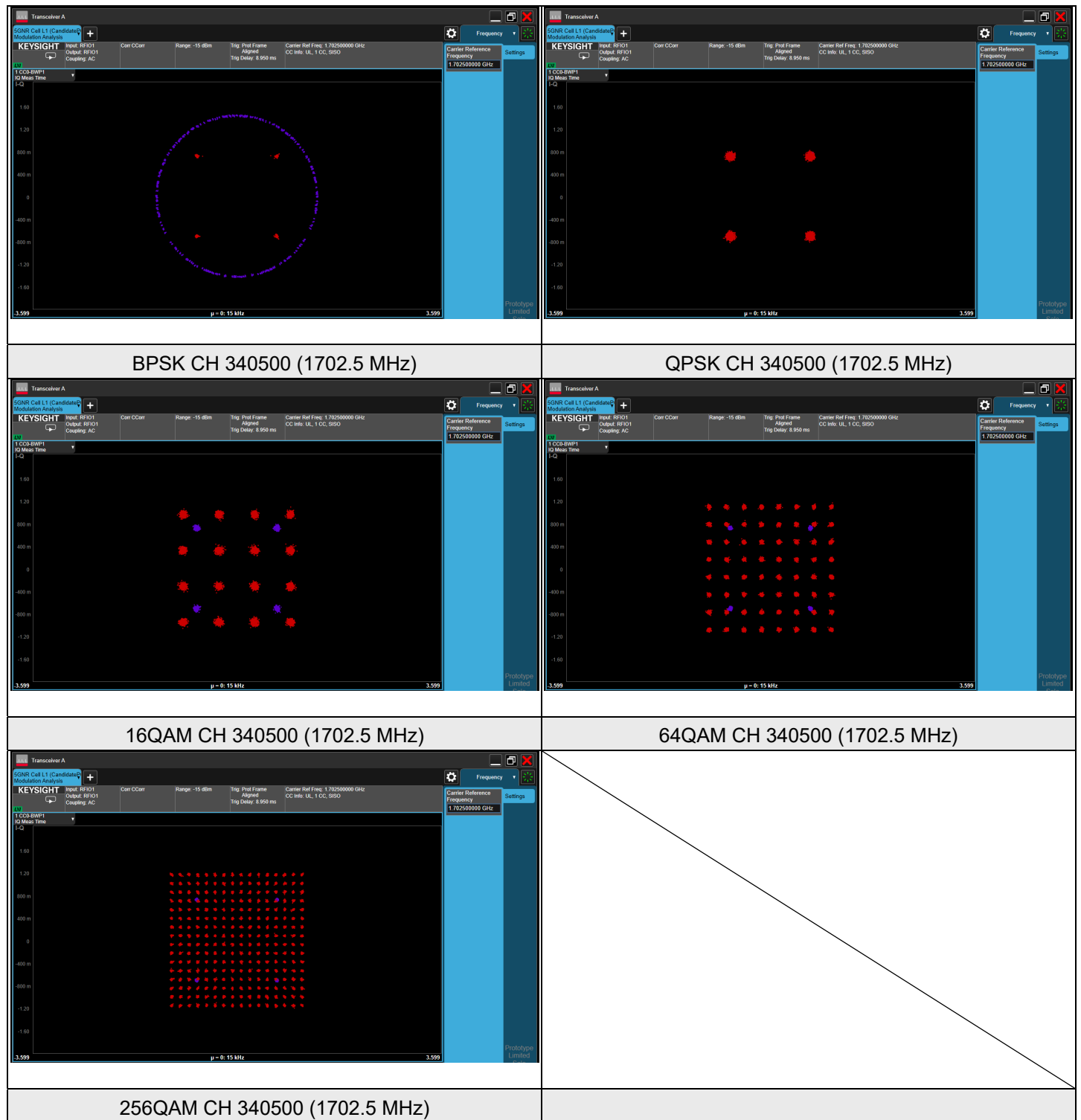
## 7.2.13 NR n66 SCS 15 kHz

### NR n66 SCS 15 kHz, Channel Bandwidth: 20 MHz



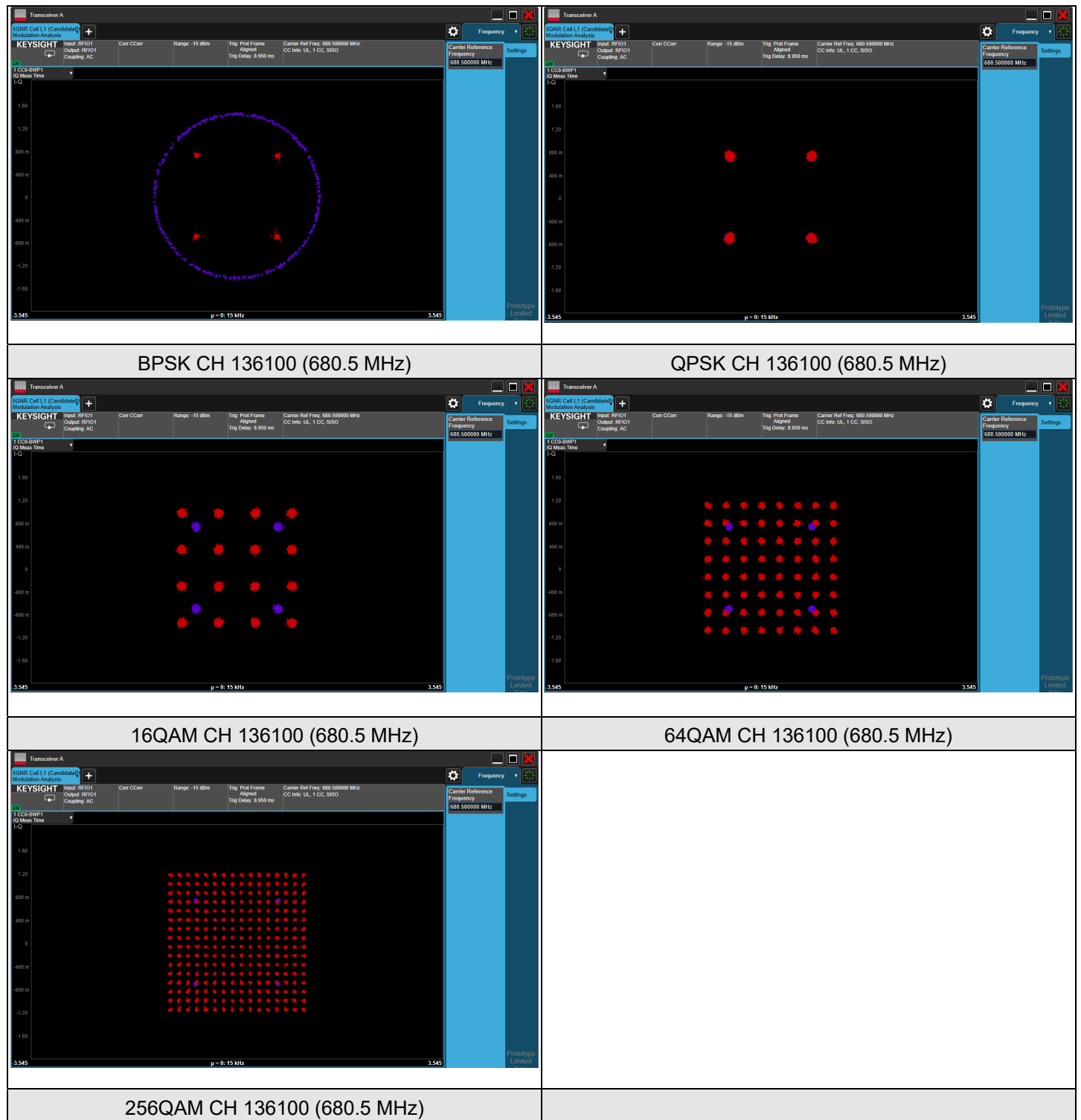
## 7.2.14 NR n70 SCS 15 kHz

### NR n70 SCS 15 kHz, Channel Bandwidth: 15 MHz



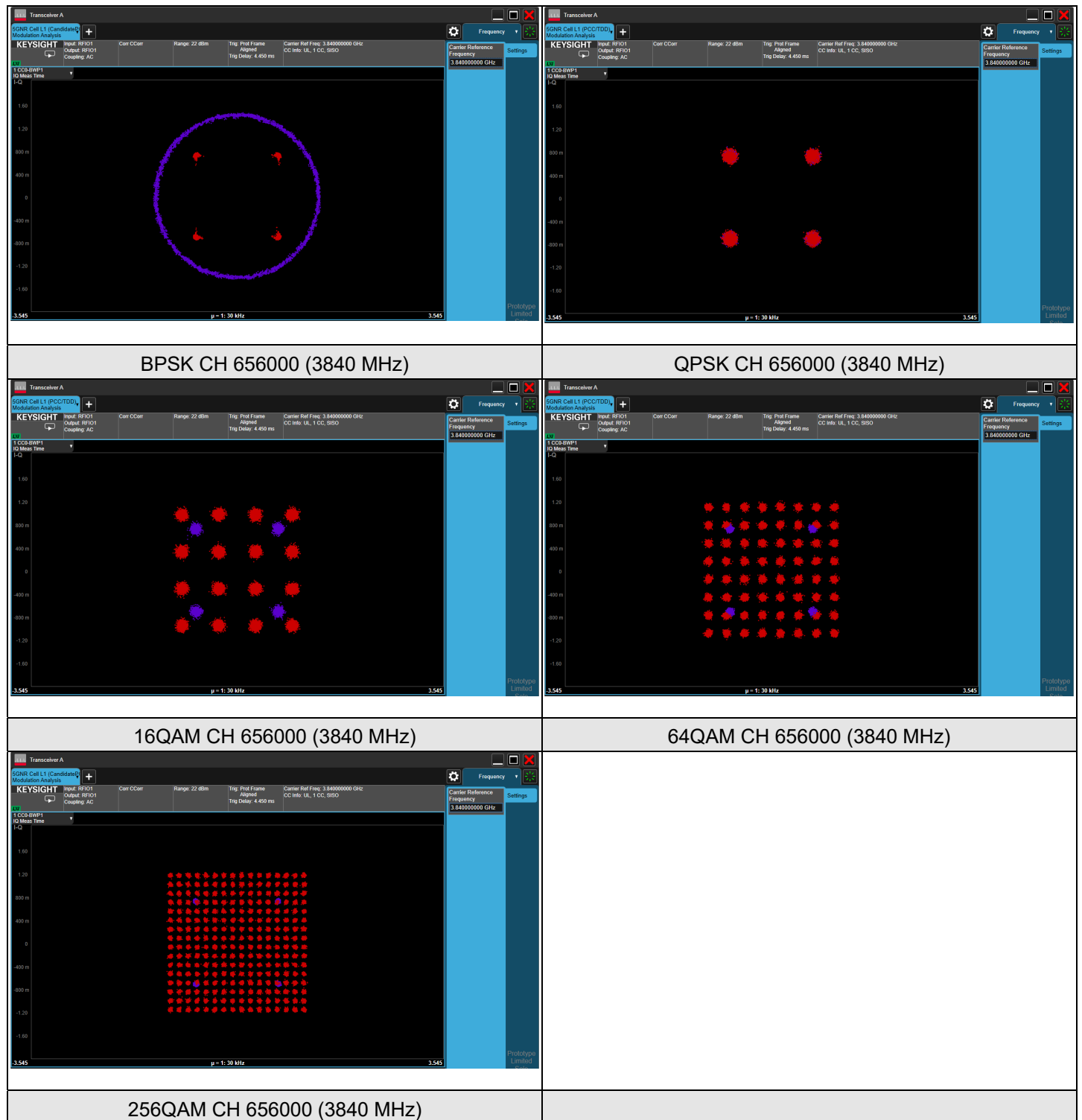
## 7.2.15 NR n71 SCS 15 kHz

### NR n71 SCS 15 kHz, Channel Bandwidth: 20 MHz



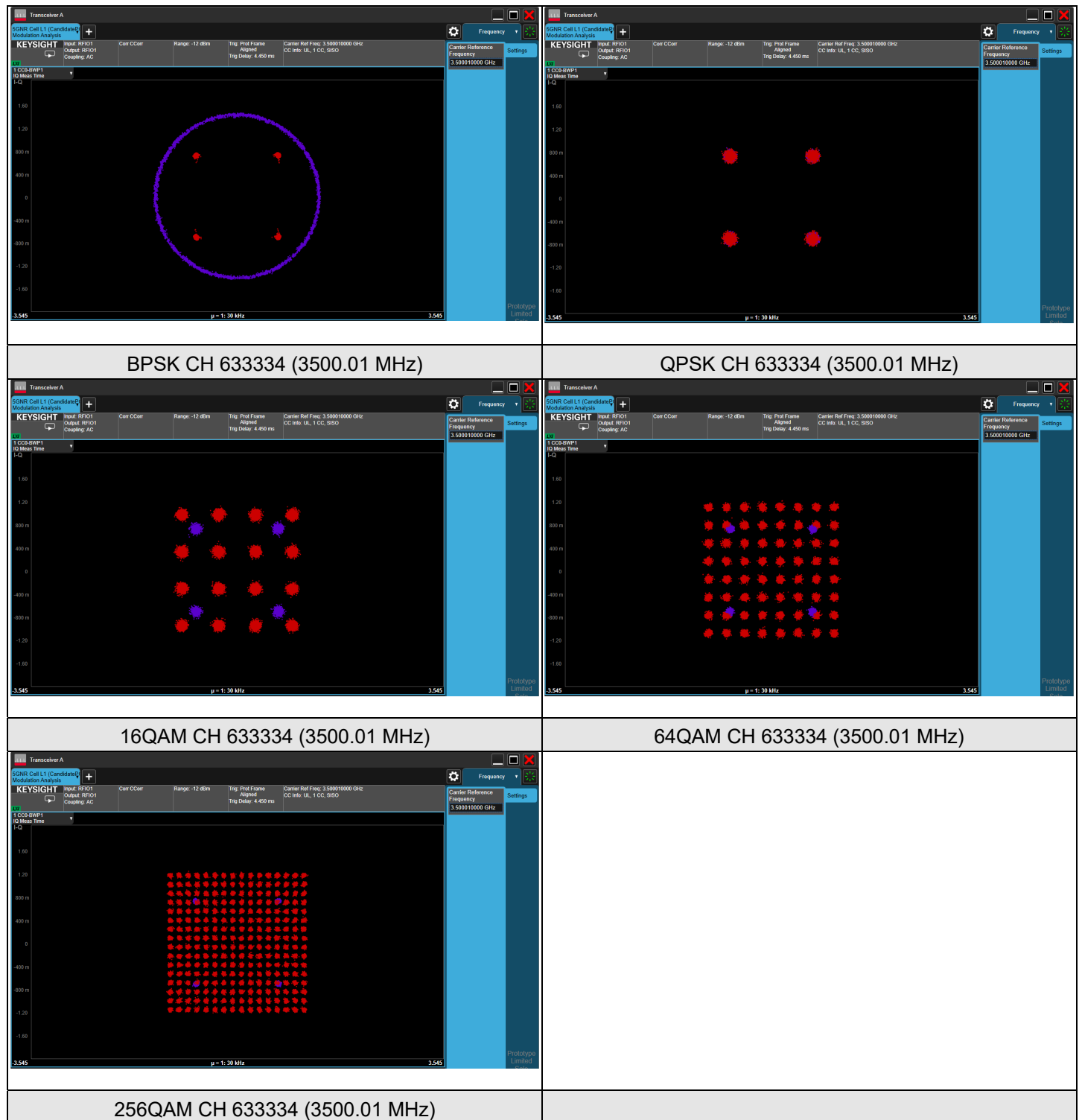
## 7.2.16 NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz)

### NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 100 MHz



## 7.2.17 NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz)

### NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 100 MHz



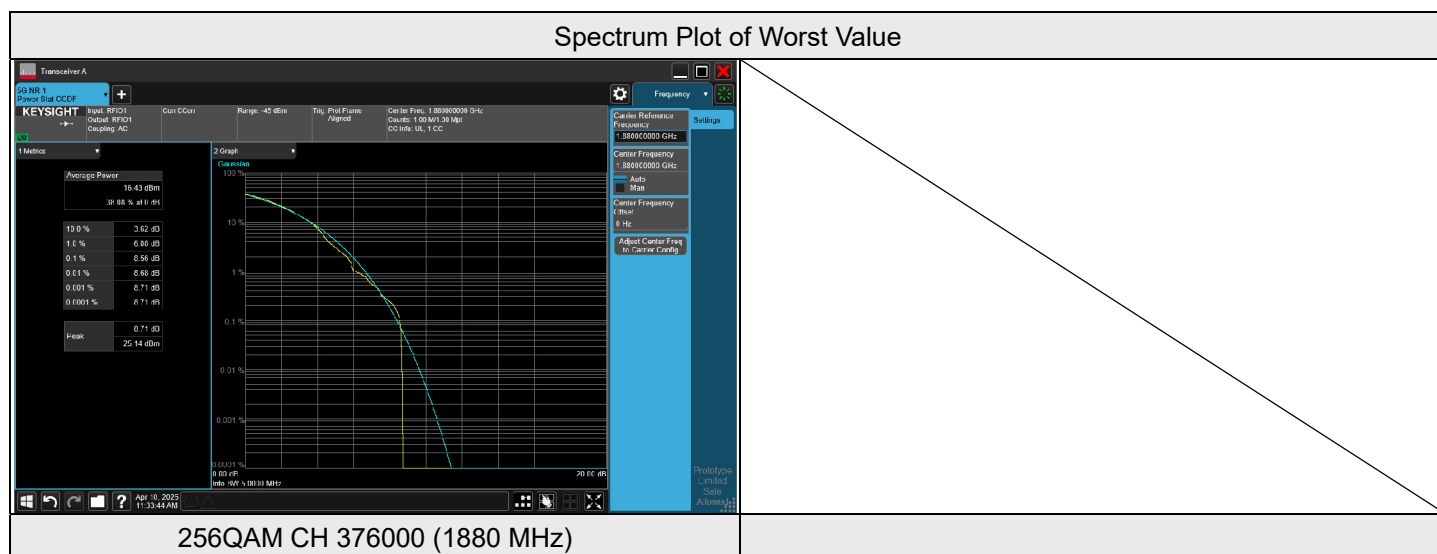
### 7.3 Peak to Average Ratio

|              |          |                           |              |            |               |
|--------------|----------|---------------------------|--------------|------------|---------------|
| Input Power: | 3.85 Vdc | Environmental Conditions: | 22°C, 73% RH | Tested By: | Charles Hsiao |
|--------------|----------|---------------------------|--------------|------------|---------------|

#### 7.3.1 NR n2 SCS 15 kHz

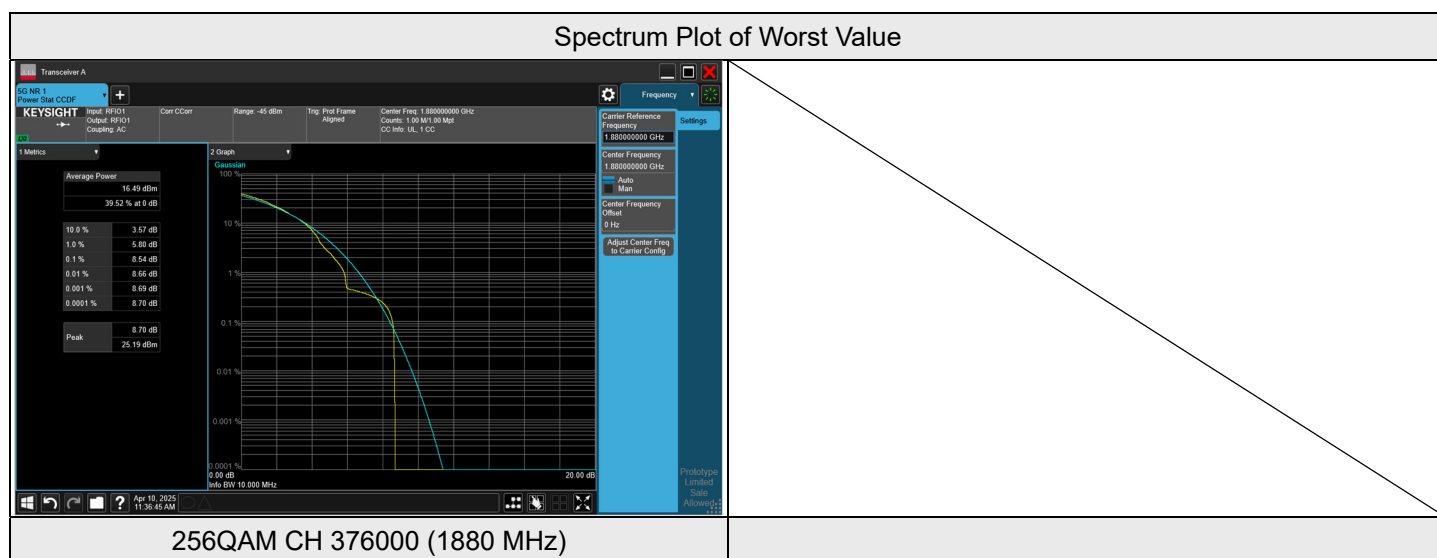
#### NR n2 SCS 15 kHz, Channel Bandwidth: 5 MHz

| NR n2 SCS 15 kHz 10M |         |           |                            |           |            |
|----------------------|---------|-----------|----------------------------|-----------|------------|
| Modulation           | RB Size | RB Offset | Peak To Average Ratio (dB) |           |            |
|                      |         |           | CH 370500                  | CH 376000 | CH 381500  |
|                      |         |           | 1852.5 MHz                 | 1880 MHz  | 1907.5 MHz |
| BPSK                 | 1       | 51        | 3.82                       | 3.98      | 3.33       |
|                      | 1       | 0         | 3.67                       | 4.18      | 3.45       |
|                      | 50      | 0         | 3.46                       | 3.76      | 3.66       |
| QPSK                 | 1       | 51        | 6.24                       | 6.57      | 6.69       |
|                      | 1       | 0         | 6.60                       | 6.59      | 6.77       |
|                      | 52      | 0         | 6.46                       | 6.41      | 6.88       |
| 16QAM                | 1       | 51        | 6.46                       | 6.40      | 6.85       |
|                      | 1       | 0         | 6.37                       | 6.43      | 6.79       |
|                      | 52      | 0         | 6.43                       | 6.52      | 6.91       |
| 64QAM                | 1       | 51        | 6.69                       | 6.97      | 6.99       |
|                      | 1       | 0         | 6.73                       | 6.71      | 7.03       |
|                      | 52      | 0         | 6.49                       | 7.01      | 7.05       |
| 256QAM               | 1       | 51        | 8.40                       | 8.56      | 7.67       |
|                      | 1       | 0         | 8.45                       | 8.56      | 7.72       |
|                      | 52      | 0         | 7.92                       | 8.18      | 8.05       |



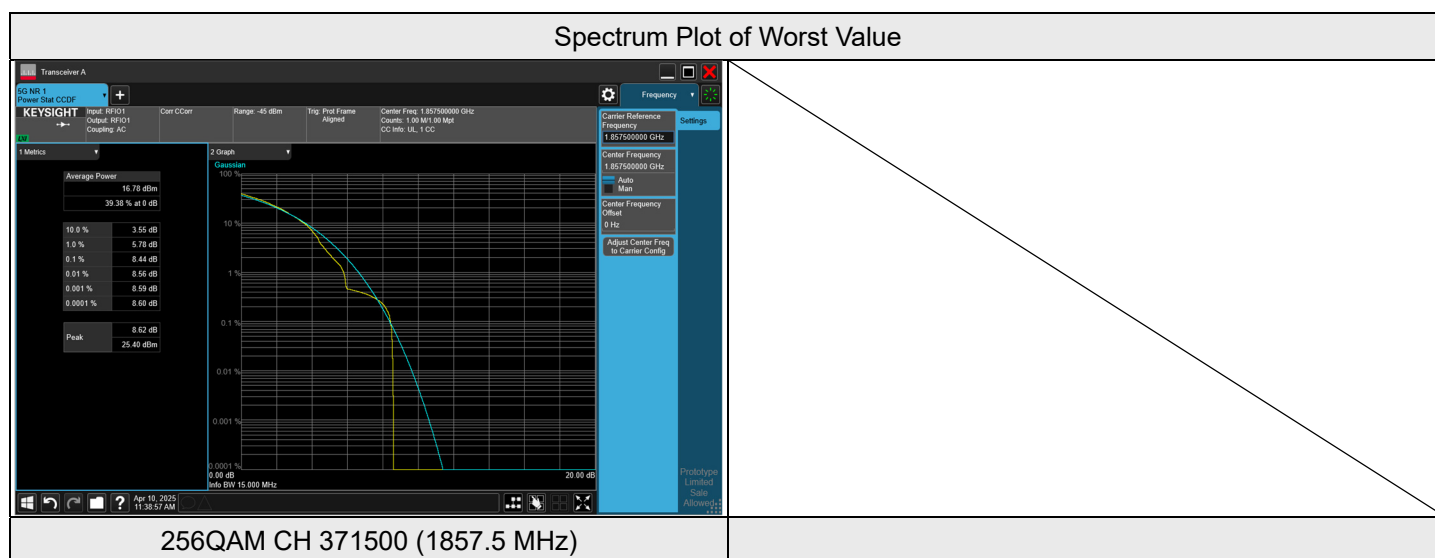
# NR n2 SCS 15 kHz, Channel Bandwidth: 10 MHz

| Modulation | RB Size | RB Offset | Peak To Average Ratio (dB) |           |           |
|------------|---------|-----------|----------------------------|-----------|-----------|
|            |         |           | CH 371000                  | CH 376000 | CH 381000 |
|            |         |           | 1855 MHz                   | 1880 MHz  | 1905 MHz  |
| BPSK       | 1       | 51        | 3.81                       | 4.20      | 3.83      |
|            | 1       | 0         | 3.83                       | 3.94      | 3.95      |
|            | 50      | 0         | 3.78                       | 3.97      | 3.92      |
| QPSK       | 1       | 51        | 6.14                       | 6.80      | 6.42      |
|            | 1       | 0         | 6.68                       | 6.38      | 6.51      |
|            | 52      | 0         | 6.03                       | 6.39      | 6.39      |
| 16QAM      | 1       | 51        | 5.96                       | 6.70      | 6.23      |
|            | 1       | 0         | 6.60                       | 6.59      | 6.38      |
|            | 52      | 0         | 6.54                       | 6.52      | 6.45      |
| 64QAM      | 1       | 51        | 6.48                       | 6.80      | 6.79      |
|            | 1       | 0         | 6.75                       | 6.85      | 6.54      |
|            | 52      | 0         | 6.70                       | 6.57      | 6.50      |
| 256QAM     | 1       | 51        | 8.31                       | 8.54      | 8.40      |
|            | 1       | 0         | 8.43                       | 8.47      | 8.37      |
|            | 52      | 0         | 7.98                       | 8.05      | 7.90      |



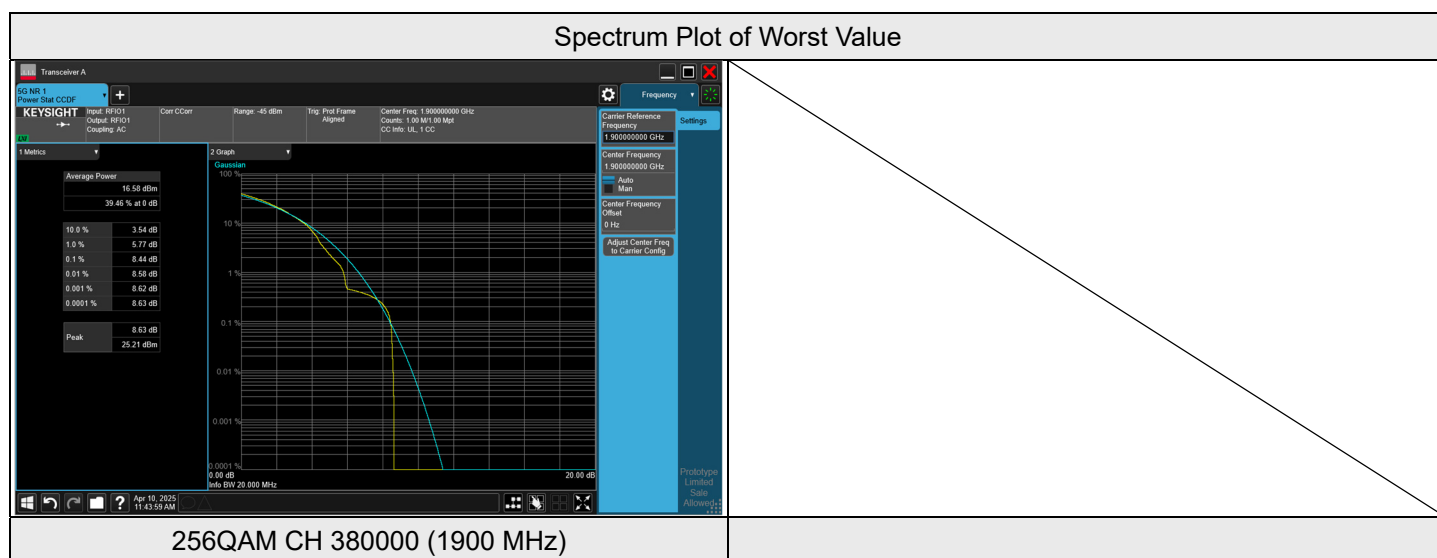
# NR n2 SCS 15 kHz, Channel Bandwidth: 15 MHz

| Modulation | RB Size | RB Offset | Peak To Average Ratio (dB) |           |            |
|------------|---------|-----------|----------------------------|-----------|------------|
|            |         |           | CH 371500                  | CH 376000 | CH 380500  |
|            |         |           | 1857.5 MHz                 | 1880 MHz  | 1902.5 MHz |
| BPSK       | 1       | 78        | 3.70                       | 4.09      | 3.83       |
|            | 1       | 0         | 3.69                       | 3.92      | 3.85       |
|            | 75      | 0         | 3.76                       | 4.04      | 3.95       |
| QPSK       | 1       | 78        | 6.02                       | 6.68      | 6.47       |
|            | 1       | 0         | 6.74                       | 6.46      | 6.48       |
|            | 79      | 0         | 6.19                       | 6.66      | 6.45       |
| 16QAM      | 1       | 78        | 6.12                       | 6.48      | 6.28       |
|            | 1       | 0         | 6.48                       | 6.27      | 6.70       |
|            | 79      | 0         | 6.33                       | 6.66      | 6.39       |
| 64QAM      | 1       | 78        | 6.39                       | 6.97      | 6.82       |
|            | 1       | 0         | 6.71                       | 6.74      | 6.80       |
|            | 79      | 0         | 6.69                       | 7.09      | 6.84       |
| 256QAM     | 1       | 78        | 8.27                       | 8.42      | 8.37       |
|            | 1       | 0         | 8.44                       | 8.43      | 8.39       |
|            | 79      | 0         | 8.05                       | 8.16      | 7.99       |



# NR n2 SCS 15 kHz, Channel Bandwidth: 20 MHz

| Modulation | RB Size | RB Offset | Peak To Average Ratio (dB) |           |           |
|------------|---------|-----------|----------------------------|-----------|-----------|
|            |         |           | CH 372000                  | CH 376000 | CH 380000 |
|            |         |           | 1860 MHz                   | 1880 MHz  | 1900 MHz  |
| BPSK       | 1       | 105       | 3.80                       | 4.02      | 3.77      |
|            | 1       | 0         | 3.96                       | 3.68      | 4.02      |
|            | 100     | 0         | 3.82                       | 4.37      | 4.02      |
| QPSK       | 1       | 105       | 6.21                       | 6.74      | 6.56      |
|            | 1       | 0         | 6.58                       | 6.40      | 6.67      |
|            | 106     | 0         | 6.30                       | 6.87      | 6.65      |
| 16QAM      | 1       | 105       | 6.36                       | 6.49      | 6.27      |
|            | 1       | 0         | 6.57                       | 6.30      | 6.53      |
|            | 106     | 0         | 6.76                       | 6.92      | 6.63      |
| 64QAM      | 1       | 105       | 6.52                       | 6.69      | 6.81      |
|            | 1       | 0         | 6.72                       | 6.53      | 6.74      |
|            | 106     | 0         | 6.86                       | 6.86      | 7.05      |
| 256QAM     | 1       | 105       | 8.32                       | 8.40      | 8.36      |
|            | 1       | 0         | 8.42                       | 8.40      | 8.44      |
|            | 106     | 0         | 8.25                       | 8.27      | 8.19      |



### 7.3.2 NR n5 SCS 15 kHz

#### NR n5 SCS 15 kHz, Channel Bandwidth: 5 MHz

| Modulation | RB Size | RB Offset | Peak To Average Ratio (dB) |           |           |
|------------|---------|-----------|----------------------------|-----------|-----------|
|            |         |           | CH 165300                  | CH 167300 | CH 169300 |
|            |         |           | 826.5 MHz                  | 836.5 MHz | 846.5 MHz |
| BPSK       | 1       | 24        | 4.37                       | 4.55      | 4.33      |
|            | 1       | 0         | 4.16                       | 4.08      | 4.53      |
|            | 25      | 0         | 4.00                       | 4.17      | 4.08      |
| QPSK       | 1       | 24        | 6.75                       | 7.11      | 6.70      |
|            | 1       | 0         | 7.31                       | 7.21      | 7.11      |
|            | 25      | 0         | 7.11                       | 6.86      | 6.81      |
| 16QAM      | 1       | 24        | 7.35                       | 7.11      | 7.20      |
|            | 1       | 0         | 7.33                       | 7.16      | 7.68      |
|            | 25      | 0         | 7.23                       | 7.01      | 7.49      |
| 64QAM      | 1       | 24        | 7.24                       | 7.45      | 7.22      |
|            | 1       | 0         | 7.17                       | 7.43      | 7.43      |
|            | 25      | 0         | 7.02                       | 7.36      | 7.31      |
| 256QAM     | 1       | 24        | 8.90                       | 8.95      | 8.81      |
|            | 1       | 0         | 8.96                       | 8.94      | 8.93      |
|            | 25      | 0         | 8.56                       | 8.58      | 8.55      |

