



# LTE TEST REPORT

## No.24T04Z101872-030

for

**Xiaomi Communications Co., Ltd.**

**Mobile Phone**

**Model Name: 24116RACCG**

**FCC ID: 2AFZZRACCG**

with

**Hardware Version: 135100006**

**Software Version: Xiaomi HyperOS 1.0**

**Issued Date: 2024-09-30**

**Note:**

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of CTTL.

**Test Laboratory:**

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## **REPORT HISTORY**

| Report Number    | Revision | Description             | Issue Date |
|------------------|----------|-------------------------|------------|
| 24T04Z101872-030 | Rev.0    | 1 <sup>st</sup> edition | 2024-09-30 |

Note: the latest revision of the test report supersedes all previous version.

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## 1. Test Laboratory

### 1.1. Introduction & Accreditation

**Telecommunication Technology Labs, CAICT** is an ISO/IEC 17025:2017 accredited test laboratory under American Association for Laboratory Accreditation (A2LA) with lab code 7049.01, and is also an FCC accredited test laboratory (CN1349), and ISED accredited test laboratory (CAB identifier:CN0066). The detail accreditation scope can be found on A2LA website.

### 1.2. Testing Location

Location 1: CTTL (huayuan North Road)

Address: No. 52, Huayuan North Road, Haidian District, Beijing,  
P. R. China 100191

Location 2: CTTL (BDA)

Address: No.18A, Kangding Street, Beijing Economic-Technology  
Development Area, Beijing, P. R. China 100176

### 1.3. Testing Environment

Normal Temperature: 15-35℃

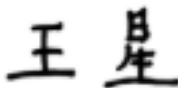
Relative Humidity: 20-75%

### 1.4. Project Data

Testing Start Date: 2024-09-05

Testing End Date: 2024-09-27

### 1.5. Signature



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Wang Xing  
(Prepared this test report)



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Zhou Yu  
(Reviewed this test report)



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Zhao Hui Lin  
(Approved this test report)

## **2. Client Information**

### **2.1. Applicant Information**

Company Name: Xiaomi Communications Co., Ltd.  
Address /Post: #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District,  
Beijing, China, 100085  
Contact: Zeng Qingyao  
Email: mi-compliance@xiaomi.com  
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Fax: 010-60606666-1101

### **2.2. Manufacturer Information**

Company Name: Xiaomi Communications Co., Ltd.  
Address /Post: #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District,  
Beijing, China, 100085  
Contact: Zeng Qingyao  
Email: mi-compliance@xiaomi.com  
Telephone: 010-60606666-8088  
Fax: 010-60606666-1101

### 3. Equipment Under Test (EUT) and Ancillary Equipment (AE)

#### 3.1. About EUT

|                     |                                            |
|---------------------|--------------------------------------------|
| Description         | Mobile Phone                               |
| Model Name          | 24116RACCG                                 |
| FCC ID              | 2AFZZRACCG                                 |
| Antenna             | Embedded                                   |
| Output power        | 23.63 dBm maximum EIRP measured for LTE B7 |
| Extreme Voltage     | 3.6VDC to 4.5VDC (nominal: 3.91VDC)        |
| Extreme Temperature | 0°C to +40°C                               |

Note: Components list, please refer to documents of the manufacturer; it is also included in the original test record of CTTL.

#### 3.2. Internal Identification of EUT used during the test

| EUT ID* | IMEI             | HW Version | SW Version     | Date of receipt |
|---------|------------------|------------|----------------|-----------------|
| UT32a   | 865991070104546/ | 1351000O6  | Xiaomi HyperOS | 2024-09-05      |
|         | 865991070104553  |            | 1.0            |                 |
| UT28a   | 865991070070465/ | 1351000O6  | Xiaomi HyperOS | 2024-09-04      |
|         | 865991070070473  |            | 1.0            |                 |

UT28a was used for emission limit test and UT32a was used for other testing cases.

\*EUT ID: is used to identify the test sample in the lab internally.

#### 3.3. Internal Identification of AE used during the test

##### **AE ID\*    Description**

|     |         |
|-----|---------|
| AE1 | Battery |
| AE2 | Battery |

##### **AE1**

|              |         |
|--------------|---------|
| Model        | BN5Y    |
| Manufacturer | COS     |
| Capacitance  | 5350mAh |

##### **AE2**

|              |         |
|--------------|---------|
| Model        | BN5Y    |
| Manufacturer | NVT     |
| Capacitance  | 5350mAh |

\*AE ID: is used to identify the test sample in the lab internally.

## **4. Reference Documents**

### **4.1. Documents supplied by applicant**

EUT parameters are supplied by the customer, which are the bases of testing. CAICT is not responsible for the accuracy of customer supplied technical information that may affect the test results (for example, antenna gain and loss of customer supplied cable).

### **4.2. Reference Documents for testing**

The following documents listed in this section are referred for testing.

| <b>Reference</b> | <b>Title</b>                                                                                      | <b>Version</b>     |
|------------------|---------------------------------------------------------------------------------------------------|--------------------|
| FCC Part 24      | PERSONAL COMMUNICATIONS SERVICES                                                                  | 10-1-23<br>Edition |
| FCC Part 22      | PUBLIC MOBILE SERVICES                                                                            | 10-1-23<br>Edition |
| FCC Part 27      | MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES                                                    | 10-1-23<br>Edition |
| FCC Part 90      | PRIVATE LAND MOBILE RADIO SERVICES                                                                | 10-1-23<br>Edition |
| ANSI/TIA-603-E   | Land Mobile FM or PM Communications Equipment Measurement and Performance Standards               | 2016               |
| ANSI C63.26      | American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services | 2015               |
| KDB 971168 D01   | MEASUREMENT GUIDANCE FOR CERTIFICATION OF LICENSED DIGITAL TRANSMITTERS                           | v03r01             |

## 5. Summary of Test Result

### LTE Band 2

| Items | Test Name                   | Clause in FCC rules | Verdict |
|-------|-----------------------------|---------------------|---------|
| 1     | Output Power                | 24.232              | P       |
| 2     | Emission Limit              | 2.1051/24.238       | P       |
| 3     | Frequency Stability         | 2.1055              | P       |
| 4     | Occupied Bandwidth          | 2.1049              | P       |
| 5     | Emission Bandwidth          | 24.238              | P       |
| 6     | Band Edge Compliance        | 24.238              | P       |
| 7     | Conducted Spurious Emission | 24.238              | P       |
| 8     | Peak-to-Average Power Ratio | 24.232              | P       |

### LTE Band 7

| Items | Test Name                   | Clause in FCC rules | Verdict |
|-------|-----------------------------|---------------------|---------|
| 1     | Output Power                | 27.50               | P       |
| 2     | Emission Limit              | 2.1051/27.53        | P       |
| 3     | Frequency Stability         | 2.1055              | P       |
| 4     | Occupied Bandwidth          | 2.1049              | P       |
| 5     | Emission Bandwidth          | 27.53               | P       |
| 6     | Band Edge Compliance        | 27.53               | P       |
| 7     | Conducted Spurious Emission | 27.53               | P       |
| 8     | Peak-to-Average Power Ratio | 27.50               | P       |

### LTE Band 12 (17)

| Items | Test Name                   | Clause in FCC rules | Verdict |
|-------|-----------------------------|---------------------|---------|
| 1     | Output Power                | 27.50               | P       |
| 2     | Emission Limit              | 2.1051/27.53        | P       |
| 3     | Frequency Stability         | 2.1055              | P       |
| 4     | Occupied Bandwidth          | 2.1049              | P       |
| 5     | Emission Bandwidth          | 27.53               | P       |
| 6     | Band Edge Compliance        | 27.53               | P       |
| 7     | Conducted Spurious Emission | 27.53               | P       |
| 8     | Peak-to-Average Power Ratio | 27.50               | P       |

### LTE Band 13

| Items | Test Name                   | Clause in FCC rules | Verdict |
|-------|-----------------------------|---------------------|---------|
| 1     | Output Power                | 27.50               | P       |
| 2     | Emission Limit              | 2.1051/27.53        | P       |
| 3     | Frequency Stability         | 2.1055              | P       |
| 4     | Occupied Bandwidth          | 2.1049              | P       |
| 5     | Emission Bandwidth          | 27.53               | P       |
| 6     | Band Edge Compliance        | 27.53               | P       |
| 7     | Conducted Spurious Emission | 27.53               | P       |
| 8     | Peak-to-Average Power Ratio | 27.50               | P       |

### LTE Band 26(814MHz~824MHz)

| Items | Test Name                   | Clause in FCC rules | Verdict |
|-------|-----------------------------|---------------------|---------|
| 1     | Output Power                | 90.635              | P       |
| 2     | Emission Limit              | 2.1051/90.691       | P       |
| 3     | Frequency Stability         | 2.1055              | P       |
| 4     | Occupied Bandwidth          | 2.1049              | P       |
| 5     | Emission Bandwidth          | 2.1049              | P       |
| 6     | Band Edge Compliance        | 90.691              | P       |
| 7     | Conducted Spurious Emission | 90.691              | P       |

### LTE Band 26(824MHz~849MHz) (5)

| Items | Test Name                   | Clause in FCC rules | Verdict |
|-------|-----------------------------|---------------------|---------|
| 1     | Output Power                | 22.913              | P       |
| 2     | Emission Limit              | 2.1051/22.917       | P       |
| 3     | Frequency Stability         | 2.1055              | P       |
| 4     | Occupied Bandwidth          | 2.1049              | P       |
| 5     | Emission Bandwidth          | 22.917              | P       |
| 6     | Band Edge Compliance        | 22.917              | P       |
| 7     | Conducted Spurious Emission | 22.917              | P       |

**LTE Band 41 (38)**

| Items | Test Name                   | Clause in FCC rules | Verdict |
|-------|-----------------------------|---------------------|---------|
| 1     | Output Power                | 27.50               | P       |
| 2     | Emission Limit              | 2.1051/27.53        | P       |
| 3     | Frequency Stability         | 2.1055              | P       |
| 4     | Occupied Bandwidth          | 2.1049              | P       |
| 5     | Emission Bandwidth          | 27.53               | P       |
| 6     | Band Edge Compliance        | 27.53               | P       |
| 7     | Conducted Spurious Emission | 27.53               | P       |
| 8     | Peak-to-Average Power Ratio | 27.50               | P       |

**LTE Band 66 (4)**

| Items | Test Name                   | Clause in FCC rules | Verdict |
|-------|-----------------------------|---------------------|---------|
| 1     | Output Power                | 27.50               | P       |
| 2     | Emission Limit              | 2.1051/27.53        | P       |
| 3     | Frequency Stability         | 2.1055              | P       |
| 4     | Occupied Bandwidth          | 2.1049              | P       |
| 5     | Emission Bandwidth          | 27.53               | P       |
| 6     | Band Edge Compliance        | 27.53               | P       |
| 7     | Conducted Spurious Emission | 27.53               | P       |
| 8     | Peak-to-Average Power Ratio | 27.50               | P       |

Terms used in Verdict column

|    |                                                                                |
|----|--------------------------------------------------------------------------------|
| P  | Pass. The EUT complies with the essential requirements in the standard.        |
| NP | Not Performed. The test was not performed by CTTL.                             |
| NA | Not Applicable. The test was not applicable.                                   |
| BR | Re-use test data from basic model report.                                      |
| F  | Fail. The EUT does not comply with the essential requirements in the standard. |

All the test results are based on normal power.

Measurement uncertainty is not taken into account when stating conformity with a specified requirement.

LTE Band 66, Band 26, Band 12 and Band 41 overlap the entire frequency range of LTE Band 4, Band 5, Band 17 and Band 38. Therefore, test data provided in this report covers Band 4, Band 5, Band 17, Band 38 as well as Band 66, Band 26, Band 12, Band 41.

LTE Band 41 is tested by power class 3.

#### Explanation of worst-case configuration

The worst-case scenario for all measurements is based on the conducted output power measurement investigation results. Output power was measured on QPSK, 16QAM and 64QAM modulations. It was found that QPSK was the worst case. All testing was performed using QPSK modulations to represent the worst case unless otherwise stated. The test results shown in the following sections represent the worst case emission.

The conducted output power is tested on all antenna ports. The other conducted test cases are tested on the antenna port which has the maximum output power.

## 6. Test Equipment Utilized

| Description                          | Type       | Series Number  | Manufacture  | Cal Due Date | Calibration Interval |
|--------------------------------------|------------|----------------|--------------|--------------|----------------------|
| Wideband Radio Communication Tester  | CMW500     | 159082         | R&S          | 2024-12-28   | 1 year               |
| Spectrum Analyzer                    | FSU        | 200030         | R&S          | 2025-05-08   | 1 year               |
| Climate chamber                      | SH-241     | 92004642       | ESPEC        | 2024-10-15   | 1 year               |
| Spectrum Analyzer                    | FSV30      | 10152          | R&S          | 2025-01-18   | 1 year               |
| Antenna                              | VULB9163   | 9163-482       | Schwarzbeck  | 2025-05-19   | 1 year               |
| Antenna                              | 9117       | 167            | Schwarzbeck  | 2024-10-15   | 1 year               |
| Antenna                              | LB-7180-NF | J2030013000005 | A-INFO       | 2025-05-16   | 1 year               |
| Antenna                              | 3115       | 00146404       | ETS-Lindgren | 2025-05-16   | 1 year               |
| Signal Generator                     | SMF100A    | 101295         | R&S          | 2025-03-04   | 1 year               |
| Universal Radio Communication Tester | CMW500     | 143008         | R&S          | 2025-01-18   | 1 year               |
| Universal Radio Communication Tester | 8821C      | 62724459649    | Anritsu      | 2025-07-06   | 1 year               |

## **Annex A: Measurement Results**

### **A.1 Output Power**

#### **A.1.1 Summary**

During the process of testing, the EUT was controlled via communication tester to ensure max power transmission and proper modulation.

In all cases, output power is within the specified limits.

#### **A.1.2 Conducted**

##### **A.1.2.1 Method of Measurements**

The EUT was set up for the max output power with pseudo random data modulation.

These measurements were done at 3 frequencies (bottom, middle and top of operational frequency range) for each bandwidth.

The results below include a correction factor for cable loss that is provided by the customer.

##### **A.1.2.2 Measurement Result**

**ANT1:**

**LTE band 2**

| Bandwidth | RB size/offset | Frequency (MHz) | Power (dBm) |       |       |
|-----------|----------------|-----------------|-------------|-------|-------|
|           |                |                 | QPSK        | 16QAM | 64QAM |
| 1.4MHz    | 1 RB high      | 1909.3          | 24.22       | 23.37 | 22.47 |
|           |                | 1880.0          | 24.25       | 23.55 | 22.55 |
|           |                | 1850.7          | 24.35       | 23.47 | 22.61 |
|           | 1 RB low       | 1909.3          | 24.21       | 23.30 | 22.42 |
|           |                | 1880.0          | 24.25       | 23.57 | 22.55 |
|           |                | 1850.7          | 24.39       | 23.51 | 22.60 |
|           | 50% RB mid     | 1909.3          | 24.36       | 23.20 | 22.50 |
|           |                | 1880.0          | 24.39       | 23.41 | 22.60 |
|           |                | 1850.7          | 24.52       | 23.43 | 22.59 |
|           | 100% RB        | 1909.3          | 23.43       | 22.51 | 21.47 |
|           |                | 1880.0          | 23.49       | 22.59 | 21.56 |
|           |                | 1850.7          | 23.60       | 22.68 | 21.62 |
| 3MHz      | 1 RB high      | 1908.5          | 24.15       | 23.31 | 22.36 |
|           |                | 1880.0          | 24.18       | 23.38 | 22.57 |
|           |                | 1851.5          | 24.26       | 23.36 | 22.47 |
|           | 1 RB low       | 1908.5          | 24.10       | 23.19 | 22.38 |
|           |                | 1880.0          | 24.18       | 23.43 | 22.49 |
|           |                | 1851.5          | 24.27       | 23.41 | 22.52 |
|           | 50% RB mid     | 1908.5          | 23.36       | 22.42 | 21.46 |
|           |                | 1880.0          | 23.45       | 22.53 | 21.56 |
|           |                | 1851.5          | 23.53       | 22.56 | 21.58 |
|           | 100% RB        | 1908.5          | 23.36       | 22.32 | 21.38 |
|           |                | 1880.0          | 23.40       | 22.44 | 21.42 |

|       |            |        |       |       |       |
|-------|------------|--------|-------|-------|-------|
|       |            | 1851.5 | 23.52 | 22.49 | 21.54 |
| 5MHz  | 1 RB high  | 1907.5 | 24.32 | 23.51 | 22.49 |
|       |            | 1880.0 | 24.37 | 23.58 | 22.62 |
|       |            | 1852.5 | 24.43 | 23.64 | 22.71 |
|       | 1 RB low   | 1907.5 | 24.32 | 23.46 | 22.45 |
|       |            | 1880.0 | 24.39 | 23.60 | 22.65 |
|       |            | 1852.5 | 24.46 | 23.65 | 22.67 |
|       | 50% RB mid | 1907.5 | 23.44 | 22.46 | 21.56 |
|       |            | 1880.0 | 23.53 | 22.57 | 21.60 |
|       |            | 1852.5 | 23.62 | 22.60 | 21.67 |
|       | 100% RB    | 1907.5 | 23.44 | 22.44 | 21.47 |
|       |            | 1880.0 | 23.50 | 22.54 | 21.55 |
|       |            | 1852.5 | 23.56 | 22.60 | 21.60 |
| 10MHz | 1 RB high  | 1905.0 | 24.44 | 23.47 | 22.62 |
|       |            | 1880.0 | 24.48 | 23.67 | 22.68 |
|       |            | 1855.0 | 24.53 | 23.74 | 22.70 |
|       | 1 RB low   | 1905.0 | 24.42 | 23.64 | 22.60 |
|       |            | 1880.0 | 24.50 | 23.78 | 22.69 |
|       |            | 1855.0 | 24.52 | 23.66 | 22.69 |
|       | 50% RB mid | 1905.0 | 23.49 | 22.49 | 21.56 |
|       |            | 1880.0 | 23.55 | 22.58 | 21.63 |
|       |            | 1855.0 | 23.60 | 22.62 | 21.66 |
|       | 100% RB    | 1905.0 | 23.46 | 22.44 | 21.51 |
|       |            | 1880.0 | 23.52 | 22.53 | 21.55 |
|       |            | 1855.0 | 23.57 | 22.58 | 21.59 |
| 15MHz | 1 RB high  | 1902.5 | 24.32 | 23.49 | 22.49 |
|       |            | 1880.0 | 24.39 | 23.59 | 22.64 |
|       |            | 1857.5 | 24.47 | 23.62 | 22.71 |
|       | 1 RB low   | 1902.5 | 24.37 | 23.59 | 22.58 |
|       |            | 1880.0 | 24.43 | 23.66 | 22.70 |
|       |            | 1857.5 | 24.49 | 23.55 | 22.71 |
|       | 50% RB mid | 1902.5 | 23.46 | 22.48 | 21.52 |
|       |            | 1880.0 | 23.52 | 22.54 | 21.61 |
|       |            | 1857.5 | 23.56 | 22.58 | 21.64 |
|       | 100% RB    | 1902.5 | 23.48 | 22.47 | 21.48 |
|       |            | 1880.0 | 23.51 | 22.52 | 21.54 |
|       |            | 1857.5 | 23.57 | 22.55 | 21.59 |
| 20MHz | 1 RB high  | 1900.0 | 24.29 | 23.48 | 22.42 |
|       |            | 1880.0 | 24.33 | 23.53 | 22.58 |
|       |            | 1860.0 | 24.40 | 23.62 | 22.63 |
|       | 1 RB low   | 1900.0 | 24.31 | 23.47 | 22.47 |
|       |            | 1880.0 | 24.35 | 23.63 | 22.54 |
|       |            | 1860.0 | 24.42 | 23.48 | 22.56 |

|  |            |        |       |       |       |
|--|------------|--------|-------|-------|-------|
|  | 50% RB mid | 1900.0 | 23.54 | 22.51 | 21.54 |
|  |            | 1880.0 | 23.66 | 22.57 | 21.60 |
|  |            | 1860.0 | 23.65 | 22.64 | 21.64 |
|  | 100% RB    | 1900.0 | 23.47 | 22.42 | 21.44 |
|  |            | 1880.0 | 23.50 | 22.49 | 21.52 |
|  |            | 1860.0 | 23.58 | 22.58 | 21.61 |

**LTE band 7**

| Bandwidth | RB size/offset | Frequency (MHz) | Power (dBm) |       |       |
|-----------|----------------|-----------------|-------------|-------|-------|
|           |                |                 | QPSK        | 16QAM | 64QAM |
| 5MHz      | 1 RB high      | 2567.5          | 24.27       | 23.43 | 22.39 |
|           |                | 2535.0          | 24.23       | 23.49 | 22.43 |
|           |                | 2502.5          | 24.21       | 23.28 | 22.30 |
|           | 1 RB low       | 2567.5          | 24.25       | 23.43 | 22.41 |
|           |                | 2535.0          | 24.23       | 23.37 | 22.37 |
|           |                | 2502.5          | 24.19       | 23.42 | 22.34 |
|           | 50% RB mid     | 2567.5          | 23.44       | 22.41 | 21.49 |
|           |                | 2535.0          | 23.39       | 22.38 | 21.44 |
|           |                | 2502.5          | 23.36       | 22.30 | 21.40 |
|           | 100% RB        | 2567.5          | 23.43       | 22.41 | 21.42 |
|           |                | 2535.0          | 23.39       | 22.37 | 21.43 |
|           |                | 2502.5          | 23.35       | 22.34 | 21.37 |
| 10MHz     | 1 RB high      | 2565.0          | 24.32       | 23.47 | 22.51 |
|           |                | 2535.0          | 24.28       | 23.49 | 22.45 |
|           |                | 2505.0          | 24.26       | 23.35 | 22.45 |
|           | 1 RB low       | 2565.0          | 24.30       | 23.54 | 22.48 |
|           |                | 2535.0          | 24.27       | 23.53 | 22.45 |
|           |                | 2505.0          | 24.24       | 23.32 | 22.37 |
|           | 50% RB mid     | 2565.0          | 23.41       | 22.42 | 21.47 |
|           |                | 2535.0          | 23.40       | 22.43 | 21.43 |
|           |                | 2505.0          | 23.34       | 22.32 | 21.36 |
|           | 100% RB        | 2565.0          | 23.39       | 22.33 | 21.41 |
|           |                | 2535.0          | 23.41       | 22.37 | 21.42 |
|           |                | 2505.0          | 23.35       | 22.31 | 21.36 |
| 15MHz     | 1 RB high      | 2562.5          | 24.27       | 23.48 | 22.38 |
|           |                | 2535.0          | 24.24       | 23.46 | 22.40 |
|           |                | 2507.5          | 24.20       | 23.43 | 22.31 |
|           | 1 RB low       | 2562.5          | 24.25       | 23.40 | 22.46 |
|           |                | 2535.0          | 24.25       | 23.43 | 22.45 |
|           |                | 2507.5          | 24.17       | 23.26 | 22.33 |
|           | 50% RB mid     | 2562.5          | 23.39       | 22.38 | 21.41 |
|           |                | 2535.0          | 23.36       | 22.34 | 21.38 |
|           |                | 2507.5          | 23.30       | 22.27 | 21.31 |
|           | 100% RB        | 2562.5          | 23.34       | 22.31 | 21.35 |
|           |                | 2535.0          | 23.35       | 22.33 | 21.36 |
|           |                | 2507.5          | 23.30       | 22.21 | 21.25 |
| 20MHz     | 1 RB high      | 2560.0          | 24.20       | 23.32 | 22.37 |
|           |                | 2535.0          | 24.20       | 23.34 | 22.41 |
|           |                | 2510.0          | 24.12       | 23.31 | 22.31 |
|           | 1 RB low       | 2560.0          | 24.22       | 23.34 | 22.32 |

|  |            |        |       |       |       |
|--|------------|--------|-------|-------|-------|
|  |            | 2535.0 | 24.13 | 23.30 | 22.33 |
|  |            | 2510.0 | 24.07 | 23.21 | 22.16 |
|  | 50% RB mid | 2560.0 | 23.44 | 22.40 | 21.46 |
|  |            | 2535.0 | 23.45 | 22.41 | 21.43 |
|  |            | 2510.0 | 23.38 | 22.31 | 21.33 |
|  | 100% RB    | 2560.0 | 23.34 | 22.29 | 21.33 |
|  |            | 2535.0 | 23.34 | 22.27 | 21.33 |
|  |            | 2510.0 | 23.25 | 22.19 | 21.24 |

**LTE band 12**

| Bandwidth | RB size/offset | Frequency (MHz) | Power (dBm) |       |       |
|-----------|----------------|-----------------|-------------|-------|-------|
|           |                |                 | QPSK        | 16QAM | 64QAM |
| 1.4MHz    | 1 RB high      | 715.3           | 24.04       | 22.95 | 22.06 |
|           |                | 707.5           | 23.89       | 23.18 | 22.12 |
|           |                | 699.7           | 23.90       | 23.08 | 22.14 |
|           | 1 RB low       | 715.3           | 23.97       | 22.96 | 22.04 |
|           |                | 707.5           | 23.89       | 23.10 | 22.24 |
|           |                | 699.7           | 23.88       | 23.16 | 22.21 |
|           | 50% RB mid     | 715.3           | 24.18       | 22.85 | 22.13 |
|           |                | 707.5           | 23.99       | 23.02 | 22.22 |
|           |                | 699.7           | 24.02       | 23.01 | 22.28 |
|           | 100% RB        | 715.3           | 23.20       | 22.13 | 21.11 |
|           |                | 707.5           | 23.10       | 22.20 | 21.11 |
|           |                | 699.7           | 23.14       | 22.22 | 21.16 |
| 3MHz      | 1 RB high      | 714.5           | 23.94       | 22.86 | 21.93 |
|           |                | 707.5           | 23.78       | 23.09 | 22.03 |
|           |                | 700.5           | 23.77       | 22.98 | 22.11 |
|           | 1 RB low       | 714.5           | 23.78       | 22.92 | 22.03 |
|           |                | 707.5           | 23.77       | 23.04 | 22.04 |
|           |                | 700.5           | 23.79       | 23.12 | 22.07 |
|           | 50% RB mid     | 714.5           | 23.09       | 22.08 | 21.11 |
|           |                | 707.5           | 23.07       | 22.10 | 21.11 |
|           |                | 700.5           | 23.08       | 22.14 | 21.18 |
|           | 100% RB        | 714.5           | 23.06       | 22.00 | 21.03 |
|           |                | 707.5           | 23.02       | 22.04 | 21.01 |
|           |                | 700.5           | 23.06       | 22.05 | 21.04 |
| 5MHz      | 1 RB high      | 713.5           | 24.13       | 23.03 | 21.99 |
|           |                | 707.5           | 24.02       | 23.32 | 22.28 |
|           |                | 701.5           | 24.01       | 23.17 | 22.21 |
|           | 1 RB low       | 713.5           | 24.03       | 23.32 | 22.24 |
|           |                | 707.5           | 24.08       | 23.36 | 22.30 |
|           |                | 701.5           | 24.05       | 23.31 | 22.27 |
|           | 50% RB mid     | 713.5           | 23.15       | 22.14 | 21.19 |
|           |                | 707.5           | 23.18       | 22.18 | 21.22 |
|           |                | 701.5           | 23.18       | 22.20 | 21.26 |
|           | 100% RB        | 713.5           | 23.17       | 22.13 | 21.16 |
|           |                | 707.5           | 23.16       | 22.18 | 21.20 |
|           |                | 701.5           | 23.16       | 22.20 | 21.20 |
| 10MHz     | 1 RB high      | 711.0           | 24.18       | 23.16 | 22.11 |
|           |                | 707.5           | 24.15       | 23.34 | 22.32 |
|           |                | 704.0           | 24.11       | 23.35 | 22.36 |
|           | 1 RB low       | 711.0           | 24.19       | 23.40 | 22.42 |

|  |            |       |       |       |       |
|--|------------|-------|-------|-------|-------|
|  |            | 707.5 | 24.18 | 23.45 | 22.40 |
|  |            | 704.0 | 24.19 | 23.41 | 22.31 |
|  | 50% RB mid | 711.0 | 23.24 | 22.23 | 21.27 |
|  |            | 707.5 | 23.25 | 22.26 | 21.28 |
|  |            | 704.0 | 23.23 | 22.25 | 21.27 |
|  | 100% RB    | 711.0 | 23.17 | 22.13 | 21.16 |
|  |            | 707.5 | 23.20 | 22.16 | 21.19 |
|  |            | 704.0 | 23.17 | 22.15 | 21.22 |

**LTE band 13**

| Bandwidth | RB size/offset | Frequency (MHz) | Power (dBm) |       |       |
|-----------|----------------|-----------------|-------------|-------|-------|
|           |                |                 | QPSK        | 16QAM | 64QAM |
| 5MHz      | 1 RB high      | 784.5           | 24.14       | 23.28 | 22.32 |
|           |                | 782.0           | 24.09       | 23.34 | 22.36 |
|           |                | 779.5           | 24.12       | 23.27 | 22.36 |
|           | 1 RB low       | 784.5           | 24.15       | 23.42 | 22.38 |
|           |                | 782.0           | 24.14       | 23.43 | 22.35 |
|           |                | 779.5           | 24.18       | 23.38 | 22.37 |
|           | 50% RB mid     | 784.5           | 23.24       | 22.25 | 21.32 |
|           |                | 782.0           | 23.28       | 22.28 | 21.34 |
|           |                | 779.5           | 23.27       | 22.29 | 21.33 |
|           | 100% RB        | 784.5           | 23.21       | 22.22 | 21.24 |
|           |                | 782.0           | 23.25       | 22.27 | 21.28 |
|           |                | 779.5           | 23.23       | 22.24 | 21.28 |
| 10MHz     | 1 RB high      | 782.0           | 24.19       | 23.48 | 22.42 |
|           | 1 RB low       | 782.0           | 24.28       | 23.46 | 22.49 |
|           | 50% RB mid     | 782.0           | 23.31       | 22.31 | 21.36 |
|           | 100% RB        | 782.0           | 23.23       | 22.23 | 21.25 |

**LTE band 26(814MHz~824MHz)**

| Bandwidth | RB size/offset | Frequency (MHz) | Power (dBm) |       |       |
|-----------|----------------|-----------------|-------------|-------|-------|
|           |                |                 | QPSK        | 16QAM | 64QAM |
| 1.4MHz    | 1 RB high      | 823.3           | 24.41       | 23.42 | 22.48 |
|           |                | 819.0           | 24.37       | 23.41 | 22.45 |
|           |                | 814.7           | 24.37       | 23.36 | 22.82 |
|           | 1 RB low       | 823.3           | 24.34       | 23.38 | 22.38 |
|           |                | 819.0           | 24.40       | 23.40 | 22.41 |
|           |                | 814.7           | 24.37       | 23.37 | 22.83 |
|           | 50% RB mid     | 823.3           | 24.47       | 23.66 | 22.57 |
|           |                | 819.0           | 24.50       | 23.70 | 22.61 |
|           |                | 814.7           | 24.50       | 23.63 | 22.75 |
|           | 100% RB        | 823.3           | 23.58       | 22.77 | 21.70 |
|           |                | 819.0           | 23.60       | 22.79 | 21.73 |
|           |                | 814.7           | 23.61       | 22.47 | 21.96 |
| 3MHz      | 1 RB high      | 822.5           | 24.21       | 23.31 | 22.29 |
|           |                | 819.0           | 24.21       | 23.25 | 22.26 |
|           |                | 815.5           | 24.27       | 23.31 | 22.28 |
|           | 1 RB low       | 822.5           | 24.22       | 23.22 | 22.33 |
|           |                | 819.0           | 24.24       | 23.27 | 22.32 |
|           |                | 815.5           | 24.29       | 23.24 | 22.31 |
|           | 50% RB mid     | 822.5           | 23.47       | 22.56 | 21.46 |
|           |                | 819.0           | 23.50       | 22.56 | 21.46 |
|           |                | 815.5           | 23.52       | 22.54 | 21.47 |
|           | 100% RB        | 822.5           | 23.44       | 22.44 | 21.55 |
|           |                | 819.0           | 23.44       | 22.43 | 21.54 |
|           |                | 815.5           | 23.41       | 22.42 | 21.49 |
| 5MHz      | 1 RB high      | 821.5           | 24.52       | 23.85 | 22.75 |
|           |                | 819.0           | 24.49       | 23.61 | 22.75 |
|           |                | 816.5           | 24.51       | 23.62 | 22.74 |
|           | 1 RB low       | 821.5           | 24.52       | 23.81 | 22.70 |
|           |                | 819.0           | 24.50       | 23.57 | 22.74 |
|           |                | 816.5           | 24.48       | 23.55 | 22.70 |
|           | 50% RB mid     | 821.5           | 23.63       | 22.65 | 21.72 |
|           |                | 819.0           | 23.58       | 22.68 | 21.71 |
|           |                | 816.5           | 23.61       | 22.64 | 21.69 |
|           | 100% RB        | 821.5           | 23.62       | 22.58 | 21.71 |
|           |                | 819.0           | 23.60       | 22.58 | 21.70 |
|           |                | 816.5           | 23.59       | 22.59 | 21.69 |
| 10MHz     | 1 RB high      | 819.0           | 24.61       | 23.62 | 22.53 |
|           | 1 RB low       | 819.0           | 24.59       | 23.57 | 22.46 |
|           | 50% RB mid     | 819.0           | 23.60       | 22.73 | 21.75 |
|           | 100% RB        | 819.0           | 23.62       | 22.63 | 21.66 |

**LTE band 26(824MHz~849MHz)**

| Bandwidth | RB size/offset | Frequency (MHz) | Power (dBm) |       |       |
|-----------|----------------|-----------------|-------------|-------|-------|
|           |                |                 | QPSK        | 16QAM | 64QAM |
| 1.4MHz    | 1 RB high      | 848.3           | 24.63       | 23.52 | 22.57 |
|           |                | 836.5           | 24.44       | 23.51 | 22.52 |
|           |                | 824.7           | 24.40       | 23.42 | 22.90 |
|           | 1 RB low       | 848.3           | 24.55       | 23.49 | 22.50 |
|           |                | 836.5           | 24.39       | 23.50 | 22.46 |
|           |                | 824.7           | 24.38       | 23.41 | 22.87 |
|           | 50% RB mid     | 848.3           | 24.59       | 23.78 | 22.72 |
|           |                | 836.5           | 24.55       | 23.78 | 22.70 |
|           |                | 824.7           | 24.49       | 23.68 | 22.57 |
|           | 100% RB        | 848.3           | 23.76       | 22.90 | 21.87 |
|           |                | 836.5           | 23.68       | 22.85 | 21.81 |
|           |                | 824.7           | 23.60       | 22.77 | 21.72 |
| 3MHz      | 1 RB high      | 847.5           | 24.48       | 23.43 | 22.36 |
|           |                | 836.5           | 24.32       | 23.35 | 22.36 |
|           |                | 825.5           | 24.29       | 23.31 | 22.34 |
|           | 1 RB low       | 847.5           | 24.34       | 23.35 | 22.39 |
|           |                | 836.5           | 24.28       | 23.29 | 22.40 |
|           |                | 825.5           | 24.28       | 23.26 | 22.33 |
|           | 50% RB mid     | 847.5           | 23.63       | 22.74 | 21.58 |
|           |                | 836.5           | 23.56       | 22.68 | 21.54 |
|           |                | 825.5           | 23.52       | 22.57 | 21.44 |
|           | 100% RB        | 847.5           | 23.60       | 22.57 | 21.68 |
|           |                | 836.5           | 23.50       | 22.51 | 21.60 |
|           |                | 825.5           | 23.44       | 22.40 | 21.52 |
| 5MHz      | 1 RB high      | 846.5           | 24.67       | 23.69 | 22.84 |
|           |                | 836.5           | 24.55       | 23.66 | 22.82 |
|           |                | 826.5           | 24.49       | 23.59 | 22.74 |
|           | 1 RB low       | 846.5           | 24.57       | 23.68 | 22.84 |
|           |                | 836.5           | 24.53       | 23.66 | 22.80 |
|           |                | 826.5           | 24.48       | 23.58 | 22.72 |
|           | 50% RB mid     | 846.5           | 23.70       | 22.78 | 21.78 |
|           |                | 836.5           | 23.65       | 22.74 | 21.73 |
|           |                | 826.5           | 23.56       | 22.66 | 21.69 |
|           | 100% RB        | 846.5           | 23.72       | 22.69 | 21.80 |
|           |                | 836.5           | 23.67       | 22.67 | 21.75 |
|           |                | 826.5           | 23.56       | 22.54 | 21.62 |
| 10MHz     | 1 RB high      | 844.0           | 24.84       | 23.78 | 22.65 |
|           |                | 836.5           | 24.71       | 23.74 | 22.64 |
|           |                | 829.0           | 24.65       | 23.64 | 22.54 |
|           | 1 RB low       | 844.0           | 24.65       | 23.72 | 22.56 |

|       |            |       |       |       |       |
|-------|------------|-------|-------|-------|-------|
|       |            | 836.5 | 24.58 | 23.60 | 22.50 |
|       |            | 829.0 | 24.54 | 23.57 | 22.47 |
|       | 50% RB mid | 844.0 | 23.62 | 22.87 | 21.79 |
|       |            | 836.5 | 23.62 | 22.83 | 21.81 |
|       |            | 829.0 | 23.65 | 22.72 | 21.75 |
|       | 100% RB    | 844.0 | 23.68 | 22.70 | 21.72 |
|       |            | 836.5 | 23.67 | 22.70 | 21.71 |
|       |            | 829.0 | 23.63 | 22.65 | 21.67 |
| 15MHz | 1 RB high  | 841.5 | 24.71 | 23.81 | 22.79 |
|       |            | 836.5 | 24.65 | 24.04 | 23.09 |
|       |            | 831.5 | 24.59 | 23.99 | 23.02 |
|       | 1 RB low   | 841.5 | 24.53 | 23.73 | 22.71 |
|       |            | 836.5 | 24.48 | 23.88 | 22.86 |
|       |            | 831.5 | 24.47 | 23.88 | 22.87 |
|       | 50% RB mid | 841.5 | 23.72 | 22.75 | 21.71 |
|       |            | 836.5 | 23.73 | 22.68 | 21.75 |
|       |            | 831.5 | 23.68 | 22.65 | 21.70 |
|       | 100% RB    | 841.5 | 23.75 | 22.73 | 21.76 |
|       |            | 836.5 | 23.74 | 22.69 | 21.73 |
|       |            | 831.5 | 23.69 | 22.62 | 21.68 |

**LTE band 41**

| Bandwidth | RB size/offset | Frequency (MHz) | Power (dBm) |       |       |
|-----------|----------------|-----------------|-------------|-------|-------|
|           |                |                 | QPSK        | 16QAM | 64QAM |
| 5MHz      | 1 RB high      | 2687.5          | 24.05       | 23.22 | 22.08 |
|           |                | 2593.0          | 24.04       | 23.24 | 22.06 |
|           |                | 2498.5          | 24.09       | 23.21 | 22.08 |
|           | 1 RB low       | 2687.5          | 24.07       | 23.20 | 22.10 |
|           |                | 2593.0          | 24.08       | 23.25 | 22.10 |
|           |                | 2498.5          | 24.10       | 23.17 | 22.04 |
|           | 50% RB mid     | 2687.5          | 23.27       | 22.26 | 21.33 |
|           |                | 2593.0          | 23.22       | 22.22 | 21.29 |
|           |                | 2498.5          | 23.30       | 22.22 | 21.30 |
|           | 100% RB        | 2687.5          | 23.19       | 22.26 | 21.32 |
|           |                | 2593.0          | 23.17       | 22.21 | 21.31 |
|           |                | 2498.5          | 23.20       | 22.21 | 21.27 |
| 10MHz     | 1 RB high      | 2685.0          | 24.15       | 23.33 | 22.16 |
|           |                | 2593.0          | 24.13       | 23.34 | 22.16 |
|           |                | 2501.0          | 24.16       | 23.31 | 22.14 |
|           | 1 RB low       | 2685.0          | 24.20       | 23.36 | 22.22 |
|           |                | 2593.0          | 24.21       | 23.38 | 22.21 |
|           |                | 2501.0          | 24.19       | 23.27 | 22.13 |
|           | 50% RB mid     | 2685.0          | 23.28       | 22.31 | 21.39 |
|           |                | 2593.0          | 23.25       | 22.29 | 21.37 |
|           |                | 2501.0          | 23.22       | 22.23 | 21.31 |
|           | 100% RB        | 2685.0          | 23.30       | 22.29 | 21.30 |
|           |                | 2593.0          | 23.24       | 22.25 | 21.27 |
|           |                | 2501.0          | 23.25       | 22.22 | 21.23 |
| 15MHz     | 1 RB high      | 2682.5          | 24.12       | 23.27 | 22.14 |
|           |                | 2593.0          | 24.10       | 23.31 | 22.12 |
|           |                | 2503.5          | 24.13       | 23.30 | 22.14 |
|           | 1 RB low       | 2682.5          | 24.16       | 23.32 | 22.17 |
|           |                | 2593.0          | 24.18       | 23.37 | 22.19 |
|           |                | 2503.5          | 24.16       | 23.24 | 22.09 |
|           | 50% RB mid     | 2682.5          | 23.26       | 22.25 | 21.32 |
|           |                | 2593.0          | 23.24       | 22.23 | 21.28 |
|           |                | 2503.5          | 23.25       | 22.20 | 21.25 |
|           | 100% RB        | 2682.5          | 23.24       | 22.25 | 21.29 |
|           |                | 2593.0          | 23.22       | 22.23 | 21.28 |
|           |                | 2503.5          | 23.23       | 22.21 | 21.23 |
| 20MHz     | 1 RB high      | 2680.0          | 24.05       | 23.21 | 22.07 |
|           |                | 2593.0          | 24.03       | 23.23 | 22.04 |
|           |                | 2506.0          | 24.08       | 23.26 | 22.10 |
|           | 1 RB low       | 2680.0          | 24.11       | 23.29 | 22.15 |

|  |            |        |       |       |       |
|--|------------|--------|-------|-------|-------|
|  |            | 2593.0 | 24.13 | 23.32 | 22.13 |
|  |            | 2506.0 | 24.07 | 23.17 | 22.03 |
|  | 50% RB mid | 2680.0 | 23.36 | 22.36 | 21.36 |
|  |            | 2593.0 | 23.46 | 22.31 | 21.32 |
|  |            | 2506.0 | 23.32 | 22.31 | 21.31 |
|  | 100% RB    | 2680.0 | 23.29 | 22.28 | 21.30 |
|  |            | 2593.0 | 23.27 | 22.25 | 21.25 |
|  |            | 2506.0 | 23.28 | 22.27 | 21.25 |

**LTE band 66**

| Bandwidth | RB size/offset | Frequency (MHz) | Power (dBm) |       |       |
|-----------|----------------|-----------------|-------------|-------|-------|
|           |                |                 | QPSK        | 16QAM | 64QAM |
| 1.4MHz    | 1 RB high      | 1779.3          | 24.01       | 23.13 | 22.24 |
|           |                | 1745.0          | 23.99       | 23.16 | 22.19 |
|           |                | 1710.7          | 24.03       | 23.20 | 22.32 |
|           | 1 RB low       | 1779.3          | 24.02       | 23.20 | 22.22 |
|           |                | 1745.0          | 23.95       | 23.02 | 22.21 |
|           |                | 1710.7          | 24.00       | 23.19 | 22.25 |
|           | 50% RB mid     | 1779.3          | 24.15       | 23.04 | 22.28 |
|           |                | 1745.0          | 24.10       | 22.98 | 22.24 |
|           |                | 1710.7          | 24.15       | 23.09 | 22.34 |
|           | 100% RB        | 1779.3          | 23.22       | 22.29 | 21.19 |
|           |                | 1745.0          | 23.19       | 22.28 | 21.20 |
|           |                | 1710.7          | 23.23       | 22.33 | 21.29 |
| 3MHz      | 1 RB high      | 1778.5          | 23.91       | 22.93 | 22.11 |
|           |                | 1745.0          | 23.85       | 23.03 | 22.07 |
|           |                | 1711.5          | 23.86       | 23.13 | 22.24 |
|           | 1 RB low       | 1778.5          | 23.87       | 22.97 | 22.16 |
|           |                | 1745.0          | 23.83       | 22.97 | 22.07 |
|           |                | 1711.5          | 23.86       | 23.02 | 22.18 |
|           | 50% RB mid     | 1778.5          | 23.13       | 22.20 | 21.20 |
|           |                | 1745.0          | 23.11       | 22.11 | 21.16 |
|           |                | 1711.5          | 23.14       | 22.23 | 21.24 |
|           | 100% RB        | 1778.5          | 23.11       | 22.09 | 21.13 |
|           |                | 1745.0          | 23.10       | 22.06 | 21.10 |
|           |                | 1711.5          | 23.13       | 22.10 | 21.16 |
| 5MHz      | 1 RB high      | 1777.5          | 24.06       | 23.27 | 22.18 |
|           |                | 1745.0          | 24.05       | 23.19 | 22.24 |
|           |                | 1712.5          | 24.08       | 23.36 | 22.26 |
|           | 1 RB low       | 1777.5          | 24.06       | 23.14 | 22.16 |
|           |                | 1745.0          | 24.06       | 23.19 | 22.17 |
|           |                | 1712.5          | 24.10       | 23.34 | 22.35 |
|           | 50% RB mid     | 1777.5          | 23.22       | 22.21 | 21.25 |
|           |                | 1745.0          | 23.18       | 22.17 | 21.22 |
|           |                | 1712.5          | 23.22       | 22.22 | 21.28 |
|           | 100% RB        | 1777.5          | 23.20       | 22.16 | 21.22 |
|           |                | 1745.0          | 23.14       | 22.14 | 21.17 |
|           |                | 1712.5          | 23.19       | 22.22 | 21.23 |
| 10MHz     | 1 RB high      | 1775.0          | 24.19       | 23.24 | 22.32 |
|           |                | 1745.0          | 24.14       | 23.32 | 22.30 |
|           |                | 1715.0          | 24.24       | 23.42 | 22.39 |
|           | 1 RB low       | 1775.0          | 24.16       | 23.27 | 22.35 |

|       |            |        |       |       |       |
|-------|------------|--------|-------|-------|-------|
|       |            | 1745.0 | 24.20 | 23.34 | 22.29 |
|       |            | 1715.0 | 24.18 | 23.43 | 22.39 |
|       | 50% RB mid | 1775.0 | 23.22 | 22.20 | 21.23 |
|       |            | 1745.0 | 23.20 | 22.22 | 21.23 |
|       |            | 1715.0 | 23.23 | 22.24 | 21.25 |
|       | 100% RB    | 1775.0 | 23.18 | 22.15 | 21.16 |
|       |            | 1745.0 | 23.22 | 22.17 | 21.18 |
|       |            | 1715.0 | 23.23 | 22.19 | 21.22 |
| 15MHz | 1 RB high  | 1772.5 | 24.13 | 23.30 | 22.28 |
|       |            | 1745.0 | 24.08 | 23.24 | 22.19 |
|       |            | 1717.5 | 24.15 | 23.30 | 22.36 |
|       | 1 RB low   | 1772.5 | 24.09 | 23.26 | 22.28 |
|       |            | 1745.0 | 24.14 | 23.26 | 22.27 |
|       |            | 1717.5 | 24.13 | 23.35 | 22.33 |
|       | 50% RB mid | 1772.5 | 23.21 | 22.15 | 21.25 |
|       |            | 1745.0 | 23.20 | 22.17 | 21.25 |
|       |            | 1717.5 | 23.24 | 22.22 | 21.28 |
|       | 100% RB    | 1772.5 | 23.19 | 22.16 | 21.19 |
|       |            | 1745.0 | 23.21 | 22.15 | 21.20 |
|       |            | 1717.5 | 23.21 | 22.20 | 21.22 |
| 20MHz | 1 RB high  | 1770.0 | 24.06 | 23.10 | 22.23 |
|       |            | 1745.0 | 24.04 | 23.29 | 22.24 |
|       |            | 1720.0 | 24.06 | 23.19 | 22.19 |
|       | 1 RB low   | 1770.0 | 23.99 | 23.27 | 22.14 |
|       |            | 1745.0 | 24.02 | 23.12 | 22.14 |
|       |            | 1720.0 | 24.03 | 23.26 | 22.24 |
|       | 50% RB mid | 1770.0 | 23.28 | 22.23 | 21.26 |
|       |            | 1745.0 | 23.27 | 22.23 | 21.27 |
|       |            | 1720.0 | 23.28 | 22.24 | 21.30 |
|       | 100% RB    | 1770.0 | 23.16 | 22.13 | 21.17 |
|       |            | 1745.0 | 23.16 | 22.12 | 21.17 |
|       |            | 1720.0 | 23.19 | 22.17 | 21.20 |

### LTE CA band 7C

| Bandwidth   | Frequency (MHz) | Frequency (MHz) | Modulation | PCC RB |        | SCC RB |        | Conducted Power(dBm) |
|-------------|-----------------|-----------------|------------|--------|--------|--------|--------|----------------------|
|             |                 |                 |            | Size   | Offset | Size   | Offset |                      |
| 10MHz/20MHz | 2525.6          | 2540.0          | QPSK       | 1      | 49     | 1      | 0      | 24.08                |
|             |                 |                 | QPSK       | 50     | 0      | 100    | 0      | 21.99                |
|             |                 |                 | 16QAM      | 1      | 49     | 1      | 0      | 23.18                |
|             |                 |                 | 16QAM      | 50     | 0      | 100    | 0      | 21.01                |
|             |                 |                 | 64QAM      | 1      | 49     | 1      | 0      | 20.96                |
|             |                 |                 | 64QAM      | 50     | 0      | 100    | 0      | 21.01                |
| 15MHz/10MHz | 2530.1          | 2542.1          | QPSK       | 1      | 74     | 1      | 0      | 24.13                |
|             |                 |                 | QPSK       | 75     | 0      | 50     | 0      | 22.09                |
|             |                 |                 | 16QAM      | 1      | 74     | 1      | 0      | 23.17                |
|             |                 |                 | 16QAM      | 75     | 0      | 50     | 0      | 21.08                |
|             |                 |                 | 64QAM      | 1      | 74     | 1      | 0      | 20.96                |
|             |                 |                 | 64QAM      | 75     | 0      | 50     | 0      | 21.10                |
| 15MHz/15MHz | 2527.5          | 2542.5          | QPSK       | 1      | 74     | 1      | 0      | 24.15                |
|             |                 |                 | QPSK       | 75     | 0      | 75     | 0      | 22.06                |
|             |                 |                 | 16QAM      | 1      | 74     | 1      | 0      | 23.23                |
|             |                 |                 | 16QAM      | 75     | 0      | 75     | 0      | 21.06                |
|             |                 |                 | 64QAM      | 1      | 74     | 1      | 0      | 21.32                |
|             |                 |                 | 64QAM      | 75     | 0      | 75     | 0      | 21.08                |
| 15MHz/20MHz | 2525.3          | 2542.4          | QPSK       | 1      | 74     | 1      | 0      | 24.16                |
|             |                 |                 | QPSK       | 75     | 0      | 100    | 0      | 22.06                |
|             |                 |                 | 16QAM      | 1      | 74     | 1      | 0      | 22.99                |
|             |                 |                 | 16QAM      | 75     | 0      | 100    | 0      | 21.01                |
|             |                 |                 | 64QAM      | 1      | 74     | 1      | 0      | 21.25                |
|             |                 |                 | 64QAM      | 75     | 0      | 100    | 0      | 21.04                |
| 20MHz/10MHz | 2530.1          | 2544.5          | QPSK       | 1      | 99     | 1      | 0      | 24.09                |
|             |                 |                 | QPSK       | 100    | 0      | 50     | 0      | 22.08                |
|             |                 |                 | 16QAM      | 1      | 99     | 1      | 0      | 23.00                |
|             |                 |                 | 16QAM      | 100    | 0      | 50     | 0      | 21.05                |
|             |                 |                 | 64QAM      | 1      | 99     | 1      | 0      | 20.95                |
|             |                 |                 | 64QAM      | 100    | 0      | 50     | 0      | 21.09                |
| 20MHz/15MHz | 2527.6          | 2544.7          | QPSK       | 1      | 99     | 1      | 0      | 24.14                |
|             |                 |                 | QPSK       | 100    | 0      | 75     | 0      | 22.01                |
|             |                 |                 | 16QAM      | 1      | 99     | 1      | 0      | 23.08                |
|             |                 |                 | 16QAM      | 100    | 0      | 75     | 0      | 21.02                |
|             |                 |                 | 64QAM      | 1      | 99     | 1      | 0      | 21.07                |
|             |                 |                 | 64QAM      | 100    | 0      | 75     | 0      | 20.98                |
| 20MHz/20MHz | 2525.1          | 2544.9          | QPSK       | 1      | 99     | 1      | 0      | 24.21                |
|             |                 |                 | QPSK       | 100    | 0      | 100    | 0      | 22.00                |
|             |                 |                 | 16QAM      | 1      | 99     | 1      | 0      | 23.22                |
|             |                 |                 | 16QAM      | 100    | 0      | 100    | 0      | 21.00                |

|  |  |  |       |     |    |     |   |       |
|--|--|--|-------|-----|----|-----|---|-------|
|  |  |  | 64QAM | 1   | 99 | 1   | 0 | 21.37 |
|  |  |  | 64QAM | 100 | 0  | 100 | 0 | 21.01 |

### LTE CA band 38C

| Bandwidth   | Frequency<br>(MHz) | Frequency<br>(MHz) | Modulation | PCC RB |        | SCC RB |        | Conducted<br>Power(dBm) |
|-------------|--------------------|--------------------|------------|--------|--------|--------|--------|-------------------------|
|             |                    |                    |            | Size   | Offset | Size   | Offset |                         |
| 15MHz/15MHz | 2587.5             | 2602.5             | QPSK       | 1      | 74     | 1      | 0      | 24.10                   |
|             |                    |                    | QPSK       | 75     | 0      | 75     | 0      | 22.00                   |
|             |                    |                    | 16QAM      | 1      | 74     | 1      | 0      | 23.21                   |
|             |                    |                    | 16QAM      | 75     | 0      | 75     | 0      | 20.97                   |
|             |                    |                    | 64QAM      | 1      | 74     | 1      | 0      | 20.92                   |
|             |                    |                    | 64QAM      | 75     | 0      | 75     | 0      | 21.01                   |
| 20MHz/20MHz | 2585.1             | 2604.9             | QPSK       | 1      | 99     | 1      | 0      | 24.17                   |
|             |                    |                    | QPSK       | 100    | 0      | 100    | 0      | 21.89                   |
|             |                    |                    | 16QAM      | 1      | 99     | 1      | 0      | 23.15                   |
|             |                    |                    | 16QAM      | 100    | 0      | 100    | 0      | 20.88                   |
|             |                    |                    | 64QAM      | 1      | 99     | 1      | 0      | 21.29                   |
|             |                    |                    | 64QAM      | 100    | 0      | 100    | 0      | 20.93                   |

**ANT4:**  
**LTE band 2**

| Bandwidth | RB size/offset | Frequency (MHz) | Power (dBm) |       |       |
|-----------|----------------|-----------------|-------------|-------|-------|
|           |                |                 | QPSK        | 16QAM | 64QAM |
| 1.4MHz    | 1 RB high      | 1909.3          | 24.63       | 23.43 | 22.74 |
|           |                | 1880.0          | 24.40       | 23.71 | 22.60 |
|           |                | 1850.7          | 24.66       | 23.86 | 22.81 |
|           | 1 RB low       | 1909.3          | 24.44       | 23.88 | 22.74 |
|           |                | 1880.0          | 24.35       | 23.74 | 22.80 |
|           |                | 1850.7          | 24.48       | 23.69 | 22.72 |
|           | 50% RB mid     | 1909.3          | 24.65       | 23.92 | 22.92 |
|           |                | 1880.0          | 24.68       | 23.84 | 22.76 |
|           |                | 1850.7          | 24.69       | 24.05 | 22.75 |
|           | 100% RB        | 1909.3          | 23.87       | 22.79 | 21.71 |
|           |                | 1880.0          | 23.70       | 22.62 | 21.85 |
|           |                | 1850.7          | 23.72       | 22.60 | 21.94 |
| 3MHz      | 1 RB high      | 1908.5          | 24.31       | 23.62 | 22.60 |
|           |                | 1880.0          | 24.40       | 23.53 | 22.60 |
|           |                | 1851.5          | 24.52       | 23.80 | 22.86 |
|           | 1 RB low       | 1908.5          | 24.66       | 23.53 | 22.58 |
|           |                | 1880.0          | 24.63       | 23.63 | 22.77 |
|           |                | 1851.5          | 24.46       | 23.60 | 22.83 |
|           | 50% RB mid     | 1908.5          | 23.88       | 22.51 | 21.68 |
|           |                | 1880.0          | 23.87       | 22.69 | 21.88 |
|           |                | 1851.5          | 23.92       | 22.83 | 21.86 |
|           | 100% RB        | 1908.5          | 23.67       | 22.60 | 21.81 |
|           |                | 1880.0          | 23.56       | 22.51 | 21.70 |
|           |                | 1851.5          | 23.75       | 22.85 | 21.81 |
| 5MHz      | 1 RB high      | 1907.5          | 24.38       | 23.73 | 22.79 |
|           |                | 1880.0          | 24.41       | 23.82 | 22.70 |
|           |                | 1852.5          | 24.52       | 23.73 | 22.81 |
|           | 1 RB low       | 1907.5          | 24.50       | 23.88 | 22.54 |
|           |                | 1880.0          | 24.62       | 23.75 | 22.80 |
|           |                | 1852.5          | 24.62       | 23.82 | 22.54 |
|           | 50% RB mid     | 1907.5          | 23.72       | 22.87 | 21.72 |
|           |                | 1880.0          | 23.70       | 22.84 | 21.80 |
|           |                | 1852.5          | 23.79       | 22.86 | 21.78 |
|           | 100% RB        | 1907.5          | 23.70       | 22.69 | 21.53 |
|           |                | 1880.0          | 23.67       | 22.61 | 21.81 |
|           |                | 1852.5          | 23.70       | 22.62 | 21.81 |
| 10MHz     | 1 RB high      | 1905.0          | 24.48       | 23.51 | 22.56 |
|           |                | 1880.0          | 24.35       | 23.51 | 22.76 |
|           |                | 1855.0          | 24.71       | 23.57 | 22.66 |

|       |            |        |       |       |       |
|-------|------------|--------|-------|-------|-------|
|       | 1 RB low   | 1905.0 | 24.54 | 23.57 | 22.70 |
|       |            | 1880.0 | 24.33 | 23.65 | 22.91 |
|       |            | 1855.0 | 24.59 | 23.73 | 22.82 |
|       | 50% RB mid | 1905.0 | 23.92 | 22.65 | 21.70 |
|       |            | 1880.0 | 23.77 | 22.71 | 21.91 |
|       |            | 1855.0 | 23.73 | 22.83 | 21.76 |
|       | 100% RB    | 1905.0 | 23.60 | 22.61 | 21.77 |
|       |            | 1880.0 | 23.50 | 22.82 | 21.84 |
|       |            | 1855.0 | 23.80 | 22.63 | 21.64 |
| 15MHz | 1 RB high  | 1902.5 | 24.62 | 23.45 | 22.80 |
|       |            | 1880.0 | 24.64 | 23.54 | 22.84 |
|       |            | 1857.5 | 24.64 | 23.89 | 22.88 |
|       | 1 RB low   | 1902.5 | 24.51 | 23.80 | 22.66 |
|       |            | 1880.0 | 24.65 | 23.86 | 22.79 |
|       |            | 1857.5 | 24.50 | 23.79 | 22.78 |
|       | 50% RB mid | 1902.5 | 23.67 | 22.87 | 21.57 |
|       |            | 1880.0 | 23.78 | 22.88 | 21.73 |
|       |            | 1857.5 | 23.71 | 22.60 | 21.69 |
|       | 100% RB    | 1902.5 | 23.68 | 22.46 | 21.56 |
|       |            | 1880.0 | 23.59 | 22.78 | 21.75 |
|       |            | 1857.5 | 23.85 | 22.75 | 21.92 |
| 20MHz | 1 RB high  | 1900.0 | 24.46 | 23.61 | 22.64 |
|       |            | 1880.0 | 24.50 | 23.65 | 22.70 |
|       |            | 1860.0 | 24.54 | 23.71 | 22.80 |
|       | 1 RB low   | 1900.0 | 24.48 | 23.71 | 22.66 |
|       |            | 1880.0 | 24.50 | 23.80 | 22.73 |
|       |            | 1860.0 | 24.58 | 23.75 | 22.71 |
|       | 50% RB mid | 1900.0 | 23.76 | 22.69 | 21.72 |
|       |            | 1880.0 | 23.73 | 22.74 | 21.78 |
|       |            | 1860.0 | 23.80 | 22.78 | 21.82 |
|       | 100% RB    | 1900.0 | 23.68 | 22.64 | 21.70 |
|       |            | 1880.0 | 23.65 | 22.65 | 21.67 |
|       |            | 1860.0 | 23.76 | 22.74 | 21.76 |

**LTE band 7**

| Bandwidth | RB size/offset | Frequency (MHz) | Power (dBm) |       |       |
|-----------|----------------|-----------------|-------------|-------|-------|
|           |                |                 | QPSK        | 16QAM | 64QAM |
| 5MHz      | 1 RB high      | 2567.5          | 24.26       | 23.51 | 22.40 |
|           |                | 2535.0          | 24.23       | 23.44 | 22.41 |
|           |                | 2502.5          | 24.44       | 23.54 | 22.76 |
|           | 1 RB low       | 2567.5          | 24.46       | 23.52 | 22.45 |
|           |                | 2535.0          | 24.54       | 23.56 | 22.69 |
|           |                | 2502.5          | 24.53       | 23.61 | 22.60 |
|           | 50% RB mid     | 2567.5          | 23.46       | 22.58 | 21.77 |
|           |                | 2535.0          | 23.54       | 22.63 | 21.62 |
|           |                | 2502.5          | 23.55       | 22.48 | 21.58 |
|           | 100% RB        | 2567.5          | 23.63       | 22.40 | 21.67 |
|           |                | 2535.0          | 23.44       | 22.43 | 21.52 |
|           |                | 2502.5          | 23.64       | 22.66 | 21.75 |
| 10MHz     | 1 RB high      | 2565.0          | 24.39       | 23.49 | 22.45 |
|           |                | 2535.0          | 24.50       | 23.48 | 22.40 |
|           |                | 2505.0          | 24.56       | 23.53 | 22.41 |
|           | 1 RB low       | 2565.0          | 24.34       | 23.46 | 22.49 |
|           |                | 2535.0          | 24.53       | 23.48 | 22.63 |
|           |                | 2505.0          | 24.57       | 23.65 | 22.56 |
|           | 50% RB mid     | 2565.0          | 23.74       | 22.54 | 21.52 |
|           |                | 2535.0          | 23.71       | 22.66 | 21.80 |
|           |                | 2505.0          | 23.63       | 22.44 | 21.56 |
|           | 100% RB        | 2565.0          | 23.67       | 22.50 | 21.56 |
|           |                | 2535.0          | 23.57       | 22.60 | 21.35 |
|           |                | 2505.0          | 23.72       | 22.64 | 21.45 |
| 15MHz     | 1 RB high      | 2562.5          | 24.47       | 23.55 | 22.48 |
|           |                | 2535.0          | 24.55       | 23.49 | 22.39 |
|           |                | 2507.5          | 24.26       | 23.44 | 22.70 |
|           | 1 RB low       | 2562.5          | 24.42       | 23.47 | 22.70 |
|           |                | 2535.0          | 24.34       | 23.70 | 22.55 |
|           |                | 2507.5          | 24.50       | 23.44 | 22.67 |
|           | 50% RB mid     | 2562.5          | 23.82       | 22.78 | 21.49 |
|           |                | 2535.0          | 23.74       | 22.57 | 21.50 |
|           |                | 2507.5          | 23.70       | 22.58 | 21.54 |
|           | 100% RB        | 2562.5          | 23.38       | 22.64 | 21.46 |
|           |                | 2535.0          | 23.47       | 22.42 | 21.63 |
|           |                | 2507.5          | 23.53       | 22.43 | 21.72 |
| 20MHz     | 1 RB high      | 2560.0          | 24.34       | 23.50 | 22.57 |
|           |                | 2535.0          | 24.41       | 23.55 | 22.57 |
|           |                | 2510.0          | 24.43       | 23.61 | 22.59 |
|           | 1 RB low       | 2560.0          | 24.43       | 23.64 | 22.52 |

|  |            |        |       |       |       |
|--|------------|--------|-------|-------|-------|
|  |            | 2535.0 | 24.39 | 23.56 | 22.60 |
|  |            | 2510.0 | 24.39 | 23.51 | 22.51 |
|  | 50% RB mid | 2560.0 | 23.64 | 22.60 | 21.61 |
|  |            | 2535.0 | 23.68 | 22.63 | 21.64 |
|  |            | 2510.0 | 23.62 | 22.62 | 21.66 |
|  | 100% RB    | 2560.0 | 23.52 | 22.48 | 21.53 |
|  |            | 2535.0 | 23.55 | 22.49 | 21.53 |
|  |            | 2510.0 | 23.59 | 22.54 | 21.61 |

**LTE band 12**

| Bandwidth | RB size/offset | Frequency (MHz) | Power (dBm) |       |       |
|-----------|----------------|-----------------|-------------|-------|-------|
|           |                |                 | QPSK        | 16QAM | 64QAM |
| 1.4MHz    | 1 RB high      | 715.3           | 24.14       | 23.38 | 22.10 |
|           |                | 707.5           | 24.14       | 23.58 | 22.37 |
|           |                | 699.7           | 24.35       | 23.41 | 22.30 |
|           | 1 RB low       | 715.3           | 24.40       | 23.33 | 22.52 |
|           |                | 707.5           | 24.37       | 23.52 | 22.49 |
|           |                | 699.7           | 24.19       | 23.43 | 22.40 |
|           | 50% RB mid     | 715.3           | 24.12       | 23.57 | 22.56 |
|           |                | 707.5           | 24.45       | 23.33 | 22.59 |
|           |                | 699.7           | 24.26       | 23.42 | 22.59 |
|           | 100% RB        | 715.3           | 23.18       | 22.19 | 21.09 |
|           |                | 707.5           | 23.21       | 22.10 | 21.27 |
|           |                | 699.7           | 23.30       | 22.36 | 21.47 |
| 3MHz      | 1 RB high      | 714.5           | 24.38       | 23.38 | 22.00 |
|           |                | 707.5           | 24.13       | 23.28 | 22.36 |
|           |                | 700.5           | 24.28       | 23.38 | 22.33 |
|           | 1 RB low       | 714.5           | 24.10       | 23.33 | 22.60 |
|           |                | 707.5           | 24.35       | 23.66 | 22.45 |
|           |                | 700.5           | 24.39       | 23.53 | 22.52 |
|           | 50% RB mid     | 714.5           | 23.36       | 22.33 | 21.44 |
|           |                | 707.5           | 23.35       | 22.42 | 21.43 |
|           |                | 700.5           | 23.38       | 22.26 | 21.40 |
|           | 100% RB        | 714.5           | 23.34       | 22.29 | 21.18 |
|           |                | 707.5           | 23.22       | 22.09 | 21.33 |
|           |                | 700.5           | 23.18       | 22.35 | 21.21 |
| 5MHz      | 1 RB high      | 713.5           | 24.37       | 23.32 | 22.11 |
|           |                | 707.5           | 24.19       | 23.41 | 22.30 |
|           |                | 701.5           | 24.20       | 23.42 | 22.19 |
|           | 1 RB low       | 713.5           | 24.14       | 23.28 | 22.54 |
|           |                | 707.5           | 24.42       | 23.62 | 22.56 |
|           |                | 701.5           | 24.22       | 23.55 | 22.66 |
|           | 50% RB mid     | 713.5           | 23.31       | 22.16 | 21.18 |
|           |                | 707.5           | 23.45       | 22.17 | 21.25 |
|           |                | 701.5           | 23.34       | 22.37 | 21.49 |
|           | 100% RB        | 713.5           | 23.25       | 22.32 | 21.09 |
|           |                | 707.5           | 23.08       | 22.35 | 21.12 |
|           |                | 701.5           | 23.16       | 22.30 | 21.39 |
| 10MHz     | 1 RB high      | 711.0           | 24.22       | 23.21 | 22.16 |
|           |                | 707.5           | 24.21       | 23.44 | 22.43 |
|           |                | 704.0           | 24.17       | 23.48 | 22.35 |
|           | 1 RB low       | 711.0           | 24.27       | 23.45 | 22.50 |

|  |            |       |       |       |       |
|--|------------|-------|-------|-------|-------|
|  |            | 707.5 | 24.26 | 23.58 | 22.45 |
|  |            | 704.0 | 24.29 | 23.51 | 22.54 |
|  | 50% RB mid | 711.0 | 23.31 | 22.31 | 21.35 |
|  |            | 707.5 | 23.37 | 22.34 | 21.36 |
|  |            | 704.0 | 23.32 | 22.37 | 21.38 |
|  | 100% RB    | 711.0 | 23.24 | 22.19 | 21.23 |
|  |            | 707.5 | 23.26 | 22.26 | 21.29 |
|  |            | 704.0 | 23.29 | 22.26 | 21.29 |

**LTE band 13**

| Bandwidth | RB size/offset | Frequency (MHz) | Power (dBm) |       |       |
|-----------|----------------|-----------------|-------------|-------|-------|
|           |                |                 | QPSK        | 16QAM | 64QAM |
| 5MHz      | 1 RB high      | 784.5           | 24.38       | 23.56 | 22.47 |
|           |                | 782.0           | 24.48       | 23.73 | 22.75 |
|           |                | 779.5           | 24.44       | 23.74 | 22.55 |
|           | 1 RB low       | 784.5           | 24.27       | 23.52 | 22.63 |
|           |                | 782.0           | 24.26       | 23.83 | 22.63 |
|           |                | 779.5           | 24.24       | 23.58 | 22.72 |
|           | 50% RB mid     | 784.5           | 23.29       | 22.37 | 21.42 |
|           |                | 782.0           | 23.31       | 22.59 | 21.40 |
|           |                | 779.5           | 23.35       | 22.29 | 21.22 |
|           | 100% RB        | 784.5           | 23.51       | 22.21 | 21.40 |
|           |                | 782.0           | 23.48       | 22.57 | 21.66 |
|           |                | 779.5           | 23.26       | 22.49 | 21.42 |
| 10MHz     | 1 RB high      | 782.0           | 24.32       | 23.45 | 22.49 |
|           | 1 RB low       | 782.0           | 24.41       | 23.65 | 22.61 |
|           | 50% RB mid     | 782.0           | 23.44       | 22.42 | 21.49 |
|           | 100% RB        | 782.0           | 23.36       | 22.34 | 21.36 |

**LTE band 26(814MHz~824MHz)**

| Bandwidth | RB size/offset | Frequency (MHz) | Power (dBm) |       |       |
|-----------|----------------|-----------------|-------------|-------|-------|
|           |                |                 | QPSK        | 16QAM | 64QAM |
| 1.4MHz    | 1 RB high      | 823.3           | 24.27       | 23.32 | 22.37 |
|           |                | 819.0           | 24.31       | 23.33 | 22.35 |
|           |                | 814.7           | 24.33       | 23.30 | 22.74 |
|           | 1 RB low       | 823.3           | 24.23       | 23.26 | 22.27 |
|           |                | 819.0           | 24.29       | 23.31 | 22.32 |
|           |                | 814.7           | 24.35       | 23.30 | 22.73 |
|           | 50% RB mid     | 823.3           | 24.36       | 23.56 | 22.64 |
|           |                | 819.0           | 24.41       | 23.59 | 22.69 |
|           |                | 814.7           | 24.40       | 23.55 | 22.66 |
|           | 100% RB        | 823.3           | 23.48       | 22.38 | 21.81 |
|           |                | 819.0           | 23.52       | 22.44 | 21.86 |
|           |                | 814.7           | 23.53       | 22.41 | 21.84 |
| 3MHz      | 1 RB high      | 822.5           | 24.13       | 23.21 | 22.18 |
|           |                | 819.0           | 24.09       | 23.20 | 22.19 |
|           |                | 815.5           | 24.19       | 23.23 | 22.17 |
|           | 1 RB low       | 822.5           | 24.09       | 23.15 | 22.24 |
|           |                | 819.0           | 24.14       | 23.17 | 22.21 |
|           |                | 815.5           | 24.23       | 23.17 | 22.22 |
|           | 50% RB mid     | 822.5           | 23.33       | 22.45 | 21.33 |
|           |                | 819.0           | 23.38       | 22.49 | 21.36 |
|           |                | 815.5           | 23.44       | 22.45 | 21.39 |
|           | 100% RB        | 822.5           | 23.34       | 22.33 | 21.40 |
|           |                | 819.0           | 23.34       | 22.32 | 21.47 |
|           |                | 815.5           | 23.35       | 22.31 | 21.39 |
| 5MHz      | 1 RB high      | 821.5           | 24.38       | 23.51 | 22.65 |
|           |                | 819.0           | 24.38       | 23.47 | 22.64 |
|           |                | 816.5           | 24.41       | 23.53 | 22.67 |
|           | 1 RB low       | 821.5           | 24.36       | 23.47 | 22.65 |
|           |                | 819.0           | 24.40       | 23.47 | 22.62 |
|           |                | 816.5           | 24.43       | 23.47 | 22.61 |
|           | 50% RB mid     | 821.5           | 23.49       | 22.56 | 21.57 |
|           |                | 819.0           | 23.51       | 22.57 | 21.62 |
|           |                | 816.5           | 23.53       | 22.57 | 21.61 |
|           | 100% RB        | 821.5           | 23.47       | 22.47 | 21.57 |
|           |                | 819.0           | 23.47       | 22.49 | 21.56 |
|           |                | 816.5           | 23.46       | 22.48 | 21.59 |
| 10MHz     | 1 RB high      | 819.0           | 24.45       | 23.53 | 22.41 |
|           | 1 RB low       | 819.0           | 24.55       | 23.48 | 22.37 |
|           | 50% RB mid     | 819.0           | 23.48       | 22.68 | 21.64 |
|           | 100% RB        | 819.0           | 23.45       | 22.51 | 21.51 |

**LTE band 26(824MHz~849MHz)**

| Bandwidth | RB size/offset | Frequency (MHz) | Power (dBm) |       |       |
|-----------|----------------|-----------------|-------------|-------|-------|
|           |                |                 | QPSK        | 16QAM | 64QAM |
| 1.4MHz    | 1 RB high      | 848.3           | 24.35       | 23.47 | 22.53 |
|           |                | 836.5           | 24.26       | 23.34 | 22.43 |
|           |                | 824.7           | 24.31       | 23.37 | 22.83 |
|           | 1 RB low       | 848.3           | 24.30       | 23.46 | 22.59 |
|           |                | 836.5           | 24.30       | 23.31 | 22.38 |
|           |                | 824.7           | 24.33       | 23.35 | 22.88 |
|           | 50% RB mid     | 848.3           | 24.46       | 23.61 | 22.69 |
|           |                | 836.5           | 24.40       | 23.64 | 22.53 |
|           |                | 824.7           | 24.40       | 23.60 | 22.70 |
|           | 100% RB        | 848.3           | 23.55       | 22.48 | 21.90 |
|           |                | 836.5           | 23.53       | 22.69 | 21.64 |
|           |                | 824.7           | 23.52       | 22.42 | 21.82 |
| 3MHz      | 1 RB high      | 847.5           | 24.22       | 23.24 | 22.18 |
|           |                | 836.5           | 24.13       | 23.21 | 22.18 |
|           |                | 825.5           | 24.17       | 23.25 | 22.21 |
|           | 1 RB low       | 847.5           | 24.17       | 23.17 | 22.20 |
|           |                | 836.5           | 24.14       | 23.15 | 22.22 |
|           |                | 825.5           | 24.19       | 23.22 | 22.27 |
|           | 50% RB mid     | 847.5           | 23.42       | 22.52 | 21.38 |
|           |                | 836.5           | 23.36       | 22.50 | 21.35 |
|           |                | 825.5           | 23.39       | 22.45 | 21.35 |
|           | 100% RB        | 847.5           | 23.39       | 22.40 | 21.49 |
|           |                | 836.5           | 23.37       | 22.34 | 21.44 |
|           |                | 825.5           | 23.31       | 22.31 | 21.40 |
| 5MHz      | 1 RB high      | 846.5           | 24.45       | 23.51 | 22.67 |
|           |                | 836.5           | 24.38       | 23.51 | 22.66 |
|           |                | 826.5           | 24.40       | 23.51 | 22.63 |
|           | 1 RB low       | 846.5           | 24.38       | 23.47 | 22.63 |
|           |                | 836.5           | 24.37       | 23.51 | 22.65 |
|           |                | 826.5           | 24.37       | 23.50 | 22.65 |
|           | 50% RB mid     | 846.5           | 23.49       | 22.59 | 21.61 |
|           |                | 836.5           | 23.49       | 22.59 | 21.60 |
|           |                | 826.5           | 23.45       | 22.57 | 21.53 |
|           | 100% RB        | 846.5           | 23.51       | 22.49 | 21.62 |
|           |                | 836.5           | 23.48       | 22.48 | 21.58 |
|           |                | 826.5           | 23.43       | 22.43 | 21.52 |
| 10MHz     | 1 RB high      | 844.0           | 24.59       | 23.56 | 22.44 |
|           |                | 836.5           | 24.53       | 23.58 | 22.46 |
|           |                | 829.0           | 24.47       | 23.45 | 22.39 |
|           | 1 RB low       | 844.0           | 24.48       | 23.55 | 22.45 |

|       |            |       |       |       |       |
|-------|------------|-------|-------|-------|-------|
|       |            | 836.5 | 24.44 | 23.44 | 22.34 |
|       |            | 829.0 | 24.45 | 23.48 | 22.36 |
|       | 50% RB mid | 844.0 | 23.48 | 22.71 | 21.63 |
|       |            | 836.5 | 23.46 | 22.68 | 21.63 |
|       |            | 829.0 | 23.53 | 22.58 | 21.69 |
|       | 100% RB    | 844.0 | 23.46 | 22.51 | 21.55 |
|       |            | 836.5 | 23.50 | 22.51 | 21.55 |
|       |            | 829.0 | 23.48 | 22.54 | 21.50 |
| 15MHz | 1 RB high  | 841.5 | 24.49 | 23.85 | 22.86 |
|       |            | 836.5 | 24.48 | 23.92 | 22.92 |
|       |            | 831.5 | 24.41 | 23.86 | 22.85 |
|       | 1 RB low   | 841.5 | 24.40 | 23.83 | 22.84 |
|       |            | 836.5 | 24.37 | 23.73 | 22.74 |
|       |            | 831.5 | 24.36 | 23.76 | 22.79 |
|       | 50% RB mid | 841.5 | 23.54 | 22.58 | 21.58 |
|       |            | 836.5 | 23.51 | 22.51 | 21.56 |
|       |            | 831.5 | 23.55 | 22.51 | 21.57 |
|       | 100% RB    | 841.5 | 23.57 | 22.54 | 21.64 |
|       |            | 836.5 | 23.54 | 22.53 | 21.59 |
|       |            | 831.5 | 23.55 | 22.53 | 21.57 |

**LTE band 41**

| Bandwidth | RB size/offset | Frequency (MHz) | Power (dBm) |       |       |
|-----------|----------------|-----------------|-------------|-------|-------|
|           |                |                 | QPSK        | 16QAM | 64QAM |
| 5MHz      | 1 RB high      | 2687.5          | 24.18       | 23.06 | 22.06 |
|           |                | 2593.0          | 24.32       | 23.24 | 22.01 |
|           |                | 2498.5          | 24.55       | 23.22 | 22.12 |
|           | 1 RB low       | 2687.5          | 24.50       | 23.45 | 21.88 |
|           |                | 2593.0          | 24.14       | 23.28 | 22.01 |
|           |                | 2498.5          | 24.40       | 23.18 | 21.94 |
|           | 50% RB mid     | 2687.5          | 23.57       | 22.23 | 21.28 |
|           |                | 2593.0          | 23.57       | 22.31 | 21.47 |
|           |                | 2498.5          | 23.38       | 22.25 | 21.38 |
|           | 100% RB        | 2687.5          | 23.36       | 22.49 | 21.51 |
|           |                | 2593.0          | 23.32       | 22.39 | 21.44 |
|           |                | 2498.5          | 23.39       | 22.36 | 21.55 |
| 10MHz     | 1 RB high      | 2685.0          | 24.39       | 23.24 | 21.77 |
|           |                | 2593.0          | 24.21       | 23.36 | 21.77 |
|           |                | 2501.0          | 24.53       | 23.42 | 22.13 |
|           | 1 RB low       | 2685.0          | 24.15       | 23.25 | 21.83 |
|           |                | 2593.0          | 24.28       | 23.20 | 22.11 |
|           |                | 2501.0          | 24.45       | 23.21 | 22.03 |
|           | 50% RB mid     | 2685.0          | 23.67       | 22.20 | 21.41 |
|           |                | 2593.0          | 23.40       | 22.39 | 21.54 |
|           |                | 2501.0          | 23.47       | 22.42 | 21.55 |
|           | 100% RB        | 2685.0          | 23.23       | 22.41 | 21.37 |
|           |                | 2593.0          | 23.24       | 22.18 | 21.39 |
|           |                | 2501.0          | 23.35       | 22.52 | 21.49 |
| 15MHz     | 1 RB high      | 2682.5          | 24.06       | 23.19 | 22.06 |
|           |                | 2593.0          | 24.40       | 23.25 | 21.97 |
|           |                | 2503.5          | 24.49       | 23.33 | 21.88 |
|           | 1 RB low       | 2682.5          | 24.18       | 23.18 | 21.95 |
|           |                | 2593.0          | 24.44       | 23.39 | 21.89 |
|           |                | 2503.5          | 24.18       | 23.39 | 22.07 |
|           | 50% RB mid     | 2682.5          | 23.70       | 22.51 | 21.25 |
|           |                | 2593.0          | 23.54       | 22.18 | 21.41 |
|           |                | 2503.5          | 23.47       | 22.22 | 21.40 |
|           | 100% RB        | 2682.5          | 23.30       | 22.33 | 21.40 |
|           |                | 2593.0          | 23.38       | 22.21 | 21.46 |
|           |                | 2503.5          | 23.51       | 22.19 | 21.27 |
| 20MHz     | 1 RB high      | 2680.0          | 24.21       | 23.24 | 21.89 |
|           |                | 2593.0          | 24.22       | 23.26 | 21.87 |
|           |                | 2506.0          | 24.38       | 23.36 | 22.04 |
|           | 1 RB low       | 2680.0          | 24.32       | 23.31 | 21.96 |

|  |            |        |       |       |       |
|--|------------|--------|-------|-------|-------|
|  |            | 2593.0 | 24.29 | 23.33 | 21.99 |
|  |            | 2506.0 | 24.35 | 23.28 | 21.99 |
|  | 50% RB mid | 2680.0 | 23.54 | 22.34 | 21.40 |
|  |            | 2593.0 | 23.57 | 22.35 | 21.43 |
|  |            | 2506.0 | 23.51 | 22.36 | 21.41 |
|  | 100% RB    | 2680.0 | 23.35 | 22.32 | 21.33 |
|  |            | 2593.0 | 23.35 | 22.33 | 21.34 |
|  |            | 2506.0 | 23.33 | 22.37 | 21.37 |

**LTE band 66**

| Bandwidth | RB size/offset | Frequency (MHz) | Power (dBm) |       |       |
|-----------|----------------|-----------------|-------------|-------|-------|
|           |                |                 | QPSK        | 16QAM | 64QAM |
| 1.4MHz    | 1 RB high      | 1779.3          | 24.21       | 23.22 | 22.39 |
|           |                | 1745.0          | 24.17       | 23.36 | 22.60 |
|           |                | 1710.7          | 24.09       | 23.16 | 22.18 |
|           | 1 RB low       | 1779.3          | 24.18       | 23.37 | 22.19 |
|           |                | 1745.0          | 24.09       | 23.15 | 22.33 |
|           |                | 1710.7          | 24.29       | 23.29 | 22.36 |
|           | 50% RB mid     | 1779.3          | 24.48       | 23.38 | 22.34 |
|           |                | 1745.0          | 24.11       | 23.46 | 22.42 |
|           |                | 1710.7          | 24.40       | 23.50 | 22.52 |
|           | 100% RB        | 1779.3          | 23.44       | 22.51 | 21.18 |
|           |                | 1745.0          | 23.27       | 22.23 | 21.20 |
|           |                | 1710.7          | 23.19       | 22.41 | 21.33 |
| 3MHz      | 1 RB high      | 1778.5          | 24.46       | 23.38 | 22.48 |
|           |                | 1745.0          | 24.21       | 23.55 | 22.32 |
|           |                | 1711.5          | 24.03       | 23.16 | 22.45 |
|           | 1 RB low       | 1778.5          | 24.16       | 23.37 | 22.26 |
|           |                | 1745.0          | 24.09       | 23.19 | 22.09 |
|           |                | 1711.5          | 23.99       | 23.37 | 22.33 |
|           | 50% RB mid     | 1778.5          | 23.56       | 22.46 | 21.48 |
|           |                | 1745.0          | 23.27       | 22.34 | 21.55 |
|           |                | 1711.5          | 23.26       | 22.48 | 21.25 |
|           | 100% RB        | 1778.5          | 23.30       | 22.31 | 21.19 |
|           |                | 1745.0          | 23.15       | 22.33 | 21.45 |
|           |                | 1711.5          | 23.38       | 22.27 | 21.31 |
| 5MHz      | 1 RB high      | 1777.5          | 24.24       | 23.53 | 22.58 |
|           |                | 1745.0          | 24.05       | 23.44 | 22.34 |
|           |                | 1712.5          | 24.06       | 23.40 | 22.36 |
|           | 1 RB low       | 1777.5          | 24.25       | 23.14 | 22.39 |
|           |                | 1745.0          | 24.18       | 23.16 | 22.09 |
|           |                | 1712.5          | 24.01       | 23.59 | 22.34 |
|           | 50% RB mid     | 1777.5          | 23.47       | 22.44 | 21.44 |
|           |                | 1745.0          | 23.29       | 22.33 | 21.35 |
|           |                | 1712.5          | 23.38       | 22.49 | 21.54 |
|           | 100% RB        | 1777.5          | 23.38       | 22.38 | 21.43 |
|           |                | 1745.0          | 23.48       | 22.39 | 21.41 |
|           |                | 1712.5          | 23.38       | 22.39 | 21.12 |
| 10MHz     | 1 RB high      | 1775.0          | 24.34       | 23.34 | 22.51 |
|           |                | 1745.0          | 24.03       | 23.51 | 22.57 |
|           |                | 1715.0          | 24.19       | 23.24 | 22.46 |
|           | 1 RB low       | 1775.0          | 23.99       | 23.37 | 22.16 |

|       |            |        |       |       |       |
|-------|------------|--------|-------|-------|-------|
|       |            | 1745.0 | 24.06 | 23.18 | 22.09 |
|       |            | 1715.0 | 24.30 | 23.58 | 22.36 |
|       | 50% RB mid | 1775.0 | 23.43 | 22.33 | 21.50 |
|       |            | 1745.0 | 23.24 | 22.19 | 21.42 |
|       |            | 1715.0 | 23.34 | 22.28 | 21.47 |
|       | 100% RB    | 1775.0 | 23.38 | 22.27 | 21.20 |
|       |            | 1745.0 | 23.45 | 22.37 | 21.46 |
|       |            | 1715.0 | 23.13 | 22.39 | 21.12 |
| 15MHz | 1 RB high  | 1772.5 | 24.21 | 23.23 | 22.35 |
|       |            | 1745.0 | 24.29 | 23.58 | 22.34 |
|       |            | 1717.5 | 24.27 | 23.21 | 22.28 |
|       | 1 RB low   | 1772.5 | 24.32 | 23.33 | 22.28 |
|       |            | 1745.0 | 24.20 | 23.45 | 22.42 |
|       |            | 1717.5 | 24.15 | 23.38 | 22.21 |
|       | 50% RB mid | 1772.5 | 23.58 | 22.28 | 21.42 |
|       |            | 1745.0 | 23.45 | 22.35 | 21.27 |
|       |            | 1717.5 | 23.34 | 22.23 | 21.33 |
|       | 100% RB    | 1772.5 | 23.44 | 22.25 | 21.48 |
|       |            | 1745.0 | 23.28 | 22.36 | 21.49 |
|       |            | 1717.5 | 23.45 | 22.21 | 21.39 |
| 20MHz | 1 RB high  | 1770.0 | 24.30 | 23.40 | 22.48 |
|       |            | 1745.0 | 24.21 | 23.42 | 22.46 |
|       |            | 1720.0 | 24.15 | 23.34 | 22.36 |
|       | 1 RB low   | 1770.0 | 24.17 | 23.27 | 22.32 |
|       |            | 1745.0 | 24.13 | 23.32 | 22.26 |
|       |            | 1720.0 | 24.16 | 23.42 | 22.36 |
|       | 50% RB mid | 1770.0 | 23.52 | 22.43 | 21.46 |
|       |            | 1745.0 | 23.42 | 22.36 | 21.41 |
|       |            | 1720.0 | 23.35 | 22.33 | 21.36 |
|       | 100% RB    | 1770.0 | 23.39 | 22.34 | 21.36 |
|       |            | 1745.0 | 23.30 | 22.28 | 21.31 |
|       |            | 1720.0 | 23.28 | 22.25 | 21.29 |

### LTE CA band 7C

| Bandwidth   | Frequency<br>(MHz) | Frequency<br>(MHz) | Modulation | PCC RB |        | SCC RB |        | Conducted<br>Power(dBm) |
|-------------|--------------------|--------------------|------------|--------|--------|--------|--------|-------------------------|
|             |                    |                    |            | Size   | Offset | Size   | Offset |                         |
| 10MHz/20MHz | 2525.6             | 2540.0             | QPSK       | 1      | 49     | 1      | 0      | 24.23                   |
|             |                    |                    | QPSK       | 50     | 0      | 100    | 0      | 22.14                   |
|             |                    |                    | 16QAM      | 1      | 49     | 1      | 0      | 23.33                   |
|             |                    |                    | 16QAM      | 50     | 0      | 100    | 0      | 21.16                   |
|             |                    |                    | 64QAM      | 1      | 49     | 1      | 0      | 21.10                   |
|             |                    |                    | 64QAM      | 50     | 0      | 100    | 0      | 21.15                   |
| 15MHz/10MHz | 2530.1             | 2542.1             | QPSK       | 1      | 74     | 1      | 0      | 24.23                   |
|             |                    |                    | QPSK       | 75     | 0      | 50     | 0      | 22.30                   |
|             |                    |                    | 16QAM      | 1      | 74     | 1      | 0      | 23.11                   |
|             |                    |                    | 16QAM      | 75     | 0      | 50     | 0      | 21.23                   |
|             |                    |                    | 64QAM      | 1      | 74     | 1      | 0      | 21.13                   |
|             |                    |                    | 64QAM      | 75     | 0      | 50     | 0      | 21.27                   |
| 15MHz/15MHz | 2527.5             | 2542.5             | QPSK       | 1      | 74     | 1      | 0      | 24.36                   |
|             |                    |                    | QPSK       | 75     | 0      | 75     | 0      | 22.26                   |
|             |                    |                    | 16QAM      | 1      | 74     | 1      | 0      | 23.42                   |
|             |                    |                    | 16QAM      | 75     | 0      | 75     | 0      | 21.19                   |
|             |                    |                    | 64QAM      | 1      | 74     | 1      | 0      | 21.15                   |
|             |                    |                    | 64QAM      | 75     | 0      | 75     | 0      | 21.19                   |
| 15MHz/20MHz | 2525.3             | 2542.4             | QPSK       | 1      | 74     | 1      | 0      | 24.28                   |
|             |                    |                    | QPSK       | 75     | 0      | 100    | 0      | 22.12                   |
|             |                    |                    | 16QAM      | 1      | 74     | 1      | 0      | 23.15                   |
|             |                    |                    | 16QAM      | 75     | 0      | 100    | 0      | 21.13                   |
|             |                    |                    | 64QAM      | 1      | 74     | 1      | 0      | 21.38                   |
|             |                    |                    | 64QAM      | 75     | 0      | 100    | 0      | 21.16                   |
| 20MHz/10MHz | 2530.1             | 2544.5             | QPSK       | 1      | 99     | 1      | 0      | 24.30                   |
|             |                    |                    | QPSK       | 100    | 0      | 50     | 0      | 22.23                   |
|             |                    |                    | 16QAM      | 1      | 99     | 1      | 0      | 23.30                   |
|             |                    |                    | 16QAM      | 100    | 0      | 50     | 0      | 21.18                   |
|             |                    |                    | 64QAM      | 1      | 99     | 1      | 0      | 21.46                   |
|             |                    |                    | 64QAM      | 100    | 0      | 50     | 0      | 21.22                   |
| 20MHz/15MHz | 2527.6             | 2544.7             | QPSK       | 1      | 99     | 1      | 0      | 24.34                   |
|             |                    |                    | QPSK       | 100    | 0      | 75     | 0      | 22.19                   |
|             |                    |                    | 16QAM      | 1      | 99     | 1      | 0      | 23.37                   |
|             |                    |                    | 16QAM      | 100    | 0      | 75     | 0      | 21.14                   |
|             |                    |                    | 64QAM      | 1      | 99     | 1      | 0      | 21.52                   |
|             |                    |                    | 64QAM      | 100    | 0      | 75     | 0      | 21.19                   |
| 20MHz/20MHz | 2525.1             | 2544.9             | QPSK       | 1      | 99     | 1      | 0      | 24.37                   |
|             |                    |                    | QPSK       | 100    | 0      | 100    | 0      | 22.10                   |
|             |                    |                    | 16QAM      | 1      | 99     | 1      | 0      | 23.38                   |
|             |                    |                    | 16QAM      | 100    | 0      | 100    | 0      | 21.10                   |

|  |  |  |       |     |    |     |   |       |
|--|--|--|-------|-----|----|-----|---|-------|
|  |  |  | 64QAM | 1   | 99 | 1   | 0 | 21.52 |
|  |  |  | 64QAM | 100 | 0  | 100 | 0 | 21.12 |

### LTE CA band 38C

| Bandwidth   | Frequency<br>(MHz) | Frequency<br>(MHz) | Modulation | PCC RB |        | SCC RB |        | Conducted<br>Power(dBm) |
|-------------|--------------------|--------------------|------------|--------|--------|--------|--------|-------------------------|
|             |                    |                    |            | Size   | Offset | Size   | Offset |                         |
| 15MHz/15MHz | 2587.5             | 2602.5             | QPSK       | 1      | 74     | 1      | 0      | 24.27                   |
|             |                    |                    | QPSK       | 75     | 0      | 75     | 0      | 22.11                   |
|             |                    |                    | 16QAM      | 1      | 74     | 1      | 0      | 23.09                   |
|             |                    |                    | 16QAM      | 75     | 0      | 75     | 0      | 21.13                   |
|             |                    |                    | 64QAM      | 1      | 74     | 1      | 0      | 21.31                   |
|             |                    |                    | 64QAM      | 75     | 0      | 75     | 0      | 21.14                   |
| 20MHz/20MHz | 2585.1             | 2604.9             | QPSK       | 1      | 99     | 1      | 0      | 24.32                   |
|             |                    |                    | QPSK       | 100    | 0      | 100    | 0      | 22.11                   |
|             |                    |                    | 16QAM      | 1      | 99     | 1      | 0      | 23.19                   |
|             |                    |                    | 16QAM      | 100    | 0      | 100    | 0      | 21.05                   |
|             |                    |                    | 64QAM      | 1      | 99     | 1      | 0      | 21.14                   |
|             |                    |                    | 64QAM      | 100    | 0      | 100    | 0      | 21.09                   |

### A.1.3 Radiated

#### A.1.3.1 Description

This is the test for the maximum radiated power from the EUT.

FDD Band 2: Part 24.232(c) specifies "Mobile and portable stations are limited to 2 watts EIRP".

FDD Band 7/TDD Band 38/41: Part 27.50(h)(2) specifies "Mobile stations are limited to 2.0 watts EIRP".

FDD Band 12: Part 27.50(c)(10) specifies "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".

FDD Band 13: Part 27.50(b) specifies "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".

LTE Band 26(814MHz~824MHz): Part 90.635(b) specifies "The maximum output power of the transmitter for mobile stations is 100 watts".

FDD Band 26(824MHz~849MHz): Part 22.913(a) specifies "The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts".

FDD Band 66: Part 27.50(d)(4) specifies "Fixed, mobile, and portable(handheld) 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".

#### A.1.3.2 Method of Measurement

According to KDB 412172 D01 and ANSI C63.26 the relevant equation for determining the maximum ERP or EIRP from the measured RF output power is given in Equation as follows:

$$\text{ERP or EIRP} = P_T + G_T - L_C$$

where;

- **ERP or EIRP** = effective radiated power or equivalent isotropically radiated power(expressed in the same units as  $P_T$ ).
- $P_T$  = transmitter output power, in this report the unit express as dBm;
- $G_T$  = gain of the transmitting antenna, in dBd(ERP) or dBi(EIRP);
- $L_C$  = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

Alternatively, the EIRP can be determined from Equation above and then converted to ERP based on the maximum antenna gain relationship by applying the following equation:

$$\text{ERP} = \text{EIRP} - 2.15\text{dB}$$

Note: The antenna gain information was provided by the client. The laboratory is not responsible for identifying its authenticity during the test.

### A.1.3.3 Limits and Measurement Results

ANT1:

LTE Band 2-EIRP

Limits:  $\leq 33\text{dBm}(2\text{W})$

| Bandwidth | RB size/offset | Frequency (MHz) | Conducted Power(dBm) |       |       | EIRP(dBm)(Gt-Lc =-2.18) |       |       |
|-----------|----------------|-----------------|----------------------|-------|-------|-------------------------|-------|-------|
|           |                |                 | QPSK                 | 16QAM | 64QAM | QPSK                    | 16QAM | 64QAM |
| 1.4MHz    | 1 RB high      | 1909.3          | 24.22                | 23.37 | 22.47 | 22.04                   | 21.19 | 20.29 |
|           |                | 1880            | 24.25                | 23.55 | 22.55 | 22.07                   | 21.37 | 20.37 |
|           |                | 1850.7          | 24.35                | 23.47 | 22.61 | 22.17                   | 21.29 | 20.43 |
|           | 1 RB low       | 1909.3          | 24.21                | 23.30 | 22.42 | 22.03                   | 21.12 | 20.24 |
|           |                | 1880            | 24.25                | 23.57 | 22.55 | 22.07                   | 21.39 | 20.37 |
|           |                | 1850.7          | 24.39                | 23.51 | 22.60 | 22.21                   | 21.33 | 20.42 |
|           | 50% RB mid     | 1909.3          | 24.36                | 23.20 | 22.50 | 22.18                   | 21.02 | 20.32 |
|           |                | 1880            | 24.39                | 23.41 | 22.60 | 22.21                   | 21.23 | 20.42 |
|           |                | 1850.7          | 24.52                | 23.43 | 22.59 | 22.34                   | 21.25 | 20.41 |
|           | 100% RB        | 1909.3          | 23.43                | 22.51 | 21.47 | 21.25                   | 20.33 | 19.29 |
|           |                | 1880            | 23.49                | 22.59 | 21.56 | 21.31                   | 20.41 | 19.38 |
|           |                | 1850.7          | 23.60                | 22.68 | 21.62 | 21.42                   | 20.50 | 19.44 |
| 3MHz      | 1 RB high      | 1908.5          | 24.15                | 23.31 | 22.36 | 21.97                   | 21.13 | 20.18 |
|           |                | 1880            | 24.18                | 23.38 | 22.57 | 22.00                   | 21.20 | 20.39 |
|           |                | 1851.5          | 24.26                | 23.36 | 22.47 | 22.08                   | 21.18 | 20.29 |
|           | 1 RB low       | 1908.5          | 24.10                | 23.19 | 22.38 | 21.92                   | 21.01 | 20.20 |
|           |                | 1880            | 24.18                | 23.43 | 22.49 | 22.00                   | 21.25 | 20.31 |
|           |                | 1851.5          | 24.27                | 23.41 | 22.52 | 22.09                   | 21.23 | 20.34 |
|           | 50% RB mid     | 1908.5          | 23.36                | 22.42 | 21.46 | 21.18                   | 20.24 | 19.28 |
|           |                | 1880            | 23.45                | 22.53 | 21.56 | 21.27                   | 20.35 | 19.38 |
|           |                | 1851.5          | 23.53                | 22.56 | 21.58 | 21.35                   | 20.38 | 19.40 |
|           | 100% RB        | 1908.5          | 23.36                | 22.32 | 21.38 | 21.18                   | 20.14 | 19.20 |
|           |                | 1880            | 23.40                | 22.44 | 21.42 | 21.22                   | 20.26 | 19.24 |
|           |                | 1851.5          | 23.52                | 22.49 | 21.54 | 21.34                   | 20.31 | 19.36 |
| 5MHz      | 1 RB high      | 1907.5          | 24.32                | 23.51 | 22.49 | 22.14                   | 21.33 | 20.31 |
|           |                | 1880            | 24.37                | 23.58 | 22.62 | 22.19                   | 21.40 | 20.44 |
|           |                | 1852.5          | 24.43                | 23.64 | 22.71 | 22.25                   | 21.46 | 20.53 |
|           | 1 RB low       | 1907.5          | 24.32                | 23.46 | 22.45 | 22.14                   | 21.28 | 20.27 |
|           |                | 1880            | 24.39                | 23.60 | 22.65 | 22.21                   | 21.42 | 20.47 |
|           |                | 1852.5          | 24.46                | 23.65 | 22.67 | 22.28                   | 21.47 | 20.49 |
|           | 50% RB mid     | 1907.5          | 23.44                | 22.46 | 21.56 | 21.26                   | 20.28 | 19.38 |
|           |                | 1880            | 23.53                | 22.57 | 21.60 | 21.35                   | 20.39 | 19.42 |
|           |                | 1852.5          | 23.62                | 22.60 | 21.67 | 21.44                   | 20.42 | 19.49 |
|           | 100% RB        | 1907.5          | 23.44                | 22.44 | 21.47 | 21.26                   | 20.26 | 19.29 |
|           |                | 1880            | 23.50                | 22.54 | 21.55 | 21.32                   | 20.36 | 19.37 |

|       |            |        |       |       |       |       |       |       |
|-------|------------|--------|-------|-------|-------|-------|-------|-------|
|       |            | 1852.5 | 23.56 | 22.60 | 21.60 | 21.38 | 20.42 | 19.42 |
| 10MHz | 1 RB high  | 1905   | 24.44 | 23.47 | 22.62 | 22.26 | 21.29 | 20.44 |
|       |            | 1880   | 24.48 | 23.67 | 22.68 | 22.30 | 21.49 | 20.50 |
|       |            | 1855   | 24.53 | 23.74 | 22.70 | 22.35 | 21.56 | 20.52 |
|       | 1 RB low   | 1905   | 24.42 | 23.64 | 22.60 | 22.24 | 21.46 | 20.42 |
|       |            | 1880   | 24.50 | 23.78 | 22.69 | 22.32 | 21.60 | 20.51 |
|       |            | 1855   | 24.52 | 23.66 | 22.69 | 22.34 | 21.48 | 20.51 |
|       | 50% RB mid | 1905   | 23.49 | 22.49 | 21.56 | 21.31 | 20.31 | 19.38 |
|       |            | 1880   | 23.55 | 22.58 | 21.63 | 21.37 | 20.40 | 19.45 |
|       |            | 1855   | 23.60 | 22.62 | 21.66 | 21.42 | 20.44 | 19.48 |
|       | 100% RB    | 1905   | 23.46 | 22.44 | 21.51 | 21.28 | 20.26 | 19.33 |
|       |            | 1880   | 23.52 | 22.53 | 21.55 | 21.34 | 20.35 | 19.37 |
|       |            | 1855   | 23.57 | 22.58 | 21.59 | 21.39 | 20.40 | 19.41 |
| 15MHz | 1 RB high  | 1902.5 | 24.32 | 23.49 | 22.49 | 22.14 | 21.31 | 20.31 |
|       |            | 1880   | 24.39 | 23.59 | 22.64 | 22.21 | 21.41 | 20.46 |
|       |            | 1857.5 | 24.47 | 23.62 | 22.71 | 22.29 | 21.44 | 20.53 |
|       | 1 RB low   | 1902.5 | 24.37 | 23.59 | 22.58 | 22.19 | 21.41 | 20.40 |
|       |            | 1880   | 24.43 | 23.66 | 22.70 | 22.25 | 21.48 | 20.52 |
|       |            | 1857.5 | 24.49 | 23.55 | 22.71 | 22.31 | 21.37 | 20.53 |
|       | 50% RB mid | 1902.5 | 23.46 | 22.48 | 21.52 | 21.28 | 20.30 | 19.34 |
|       |            | 1880   | 23.52 | 22.54 | 21.61 | 21.34 | 20.36 | 19.43 |
|       |            | 1857.5 | 23.56 | 22.58 | 21.64 | 21.38 | 20.40 | 19.46 |
|       | 100% RB    | 1902.5 | 23.48 | 22.47 | 21.48 | 21.30 | 20.29 | 19.30 |
|       |            | 1880   | 23.51 | 22.52 | 21.54 | 21.33 | 20.34 | 19.36 |
|       |            | 1857.5 | 23.57 | 22.55 | 21.59 | 21.39 | 20.37 | 19.41 |
| 20MHz | 1 RB high  | 1900   | 24.29 | 23.48 | 22.42 | 22.11 | 21.30 | 20.24 |
|       |            | 1880   | 24.33 | 23.53 | 22.58 | 22.15 | 21.35 | 20.40 |
|       |            | 1860   | 24.40 | 23.62 | 22.63 | 22.22 | 21.44 | 20.45 |
|       | 1 RB low   | 1900   | 24.31 | 23.47 | 22.47 | 22.13 | 21.29 | 20.29 |
|       |            | 1880   | 24.35 | 23.63 | 22.54 | 22.17 | 21.45 | 20.36 |
|       |            | 1860   | 24.42 | 23.48 | 22.56 | 22.24 | 21.30 | 20.38 |
|       | 50% RB mid | 1900   | 23.54 | 22.51 | 21.54 | 21.36 | 20.33 | 19.36 |
|       |            | 1880   | 23.66 | 22.57 | 21.60 | 21.48 | 20.39 | 19.42 |
|       |            | 1860   | 23.65 | 22.64 | 21.64 | 21.47 | 20.46 | 19.46 |
|       | 100% RB    | 1900   | 23.47 | 22.42 | 21.44 | 21.29 | 20.24 | 19.26 |
|       |            | 1880   | 23.50 | 22.49 | 21.52 | 21.32 | 20.31 | 19.34 |
|       |            | 1860   | 23.58 | 22.58 | 21.61 | 21.40 | 20.40 | 19.43 |

**LTE Band 7-EIRP**
**Limits:  $\leq 33\text{dBm}(2\text{W})$** 

| Bandwidth | RB size/offset | Frequency (MHz) | Conducted Power(dBm) |       |       | EIRP(dBm)(Gt-Lc =-0.69) |       |       |
|-----------|----------------|-----------------|----------------------|-------|-------|-------------------------|-------|-------|
|           |                |                 | QPSK                 | 16QAM | 64QAM | QPSK                    | 16QAM | 64QAM |
| 5MHz      | 1 RB high      | 2567.5          | 24.27                | 23.43 | 22.39 | 23.58                   | 22.74 | 21.70 |
|           |                | 2535            | 24.23                | 23.49 | 22.43 | 23.54                   | 22.80 | 21.74 |
|           |                | 2502.5          | 24.21                | 23.28 | 22.30 | 23.52                   | 22.59 | 21.61 |
|           | 1 RB low       | 2567.5          | 24.25                | 23.43 | 22.41 | 23.56                   | 22.74 | 21.72 |
|           |                | 2535            | 24.23                | 23.37 | 22.37 | 23.54                   | 22.68 | 21.68 |
|           |                | 2502.5          | 24.19                | 23.42 | 22.34 | 23.50                   | 22.73 | 21.65 |
|           | 50% RB mid     | 2567.5          | 23.44                | 22.41 | 21.49 | 22.75                   | 21.72 | 20.80 |
|           |                | 2535            | 23.39                | 22.38 | 21.44 | 22.70                   | 21.69 | 20.75 |
|           |                | 2502.5          | 23.36                | 22.30 | 21.40 | 22.67                   | 21.61 | 20.71 |
|           | 100% RB        | 2567.5          | 23.43                | 22.41 | 21.42 | 22.74                   | 21.72 | 20.73 |
|           |                | 2535            | 23.39                | 22.37 | 21.43 | 22.70                   | 21.68 | 20.74 |
|           |                | 2502.5          | 23.35                | 22.34 | 21.37 | 22.66                   | 21.65 | 20.68 |
| 10MHz     | 1 RB high      | 2565            | 24.32                | 23.47 | 22.51 | 23.63                   | 22.78 | 21.82 |
|           |                | 2535            | 24.28                | 23.49 | 22.45 | 23.59                   | 22.80 | 21.76 |
|           |                | 2505            | 24.26                | 23.35 | 22.45 | 23.57                   | 22.66 | 21.76 |
|           | 1 RB low       | 2565            | 24.30                | 23.54 | 22.48 | 23.61                   | 22.85 | 21.79 |
|           |                | 2535            | 24.27                | 23.53 | 22.45 | 23.58                   | 22.84 | 21.76 |
|           |                | 2505            | 24.24                | 23.32 | 22.37 | 23.55                   | 22.63 | 21.68 |
|           | 50% RB mid     | 2565            | 23.41                | 22.42 | 21.47 | 22.72                   | 21.73 | 20.78 |
|           |                | 2535            | 23.40                | 22.43 | 21.43 | 22.71                   | 21.74 | 20.74 |
|           |                | 2505            | 23.34                | 22.32 | 21.36 | 22.65                   | 21.63 | 20.67 |
|           | 100% RB        | 2565            | 23.39                | 22.33 | 21.41 | 22.70                   | 21.64 | 20.72 |
|           |                | 2535            | 23.41                | 22.37 | 21.42 | 22.72                   | 21.68 | 20.73 |
|           |                | 2505            | 23.35                | 22.31 | 21.36 | 22.66                   | 21.62 | 20.67 |
| 15MHz     | 1 RB high      | 2562.5          | 24.27                | 23.48 | 22.38 | 23.58                   | 22.79 | 21.69 |
|           |                | 2535            | 24.24                | 23.46 | 22.40 | 23.55                   | 22.77 | 21.71 |
|           |                | 2507.5          | 24.20                | 23.43 | 22.31 | 23.51                   | 22.74 | 21.62 |
|           | 1 RB low       | 2562.5          | 24.25                | 23.40 | 22.46 | 23.56                   | 22.71 | 21.77 |
|           |                | 2535            | 24.25                | 23.43 | 22.45 | 23.56                   | 22.74 | 21.76 |
|           |                | 2507.5          | 24.17                | 23.26 | 22.33 | 23.48                   | 22.57 | 21.64 |
|           | 50% RB mid     | 2562.5          | 23.39                | 22.38 | 21.41 | 22.70                   | 21.69 | 20.72 |
|           |                | 2535            | 23.36                | 22.34 | 21.38 | 22.67                   | 21.65 | 20.69 |
|           |                | 2507.5          | 23.30                | 22.27 | 21.31 | 22.61                   | 21.58 | 20.62 |
|           | 100% RB        | 2562.5          | 23.34                | 22.31 | 21.35 | 22.65                   | 21.62 | 20.66 |
|           |                | 2535            | 23.35                | 22.33 | 21.36 | 22.66                   | 21.64 | 20.67 |
|           |                | 2507.5          | 23.30                | 22.21 | 21.25 | 22.61                   | 21.52 | 20.56 |
| 20MHz     | 1 RB high      | 2560            | 24.20                | 23.32 | 22.37 | 23.51                   | 22.63 | 21.68 |

|  |               |      |       |       |       |       |       |       |
|--|---------------|------|-------|-------|-------|-------|-------|-------|
|  |               | 2535 | 24.20 | 23.34 | 22.41 | 23.51 | 22.65 | 21.72 |
|  |               | 2510 | 24.12 | 23.31 | 22.31 | 23.43 | 22.62 | 21.62 |
|  | 1 RB low      | 2560 | 24.22 | 23.34 | 22.32 | 23.53 | 22.65 | 21.63 |
|  |               | 2535 | 24.13 | 23.30 | 22.33 | 23.44 | 22.61 | 21.64 |
|  |               | 2510 | 24.07 | 23.21 | 22.16 | 23.38 | 22.52 | 21.47 |
|  | 50% RB<br>mid | 2560 | 23.44 | 22.40 | 21.46 | 22.75 | 21.71 | 20.77 |
|  |               | 2535 | 23.45 | 22.41 | 21.43 | 22.76 | 21.72 | 20.74 |
|  |               | 2510 | 23.38 | 22.31 | 21.33 | 22.69 | 21.62 | 20.64 |
|  | 100% RB       | 2560 | 23.34 | 22.29 | 21.33 | 22.65 | 21.60 | 20.64 |
|  |               | 2535 | 23.34 | 22.27 | 21.33 | 22.65 | 21.58 | 20.64 |
|  |               | 2510 | 23.25 | 22.19 | 21.24 | 22.56 | 21.50 | 20.55 |

**LTE Band 12-ERP**
**Limits:  $\leq 34.77\text{dBm}(3\text{W})$** 

| Bandwidth | RB size/offset | Frequency (MHz) | Conducted Power(dBm) |       |       | ERP(dBm)(Gt-Lc =-5.31) |       |       |
|-----------|----------------|-----------------|----------------------|-------|-------|------------------------|-------|-------|
|           |                |                 | QPSK                 | 16QAM | 64QAM | QPSK                   | 16QAM | 64QAM |
| 1.4MHz    | 1 RB high      | 715.3           | 24.04                | 22.95 | 22.06 | 16.58                  | 15.49 | 14.60 |
|           |                | 707.5           | 23.89                | 23.18 | 22.12 | 16.43                  | 15.72 | 14.66 |
|           |                | 699.7           | 23.90                | 23.08 | 22.14 | 16.44                  | 15.62 | 14.68 |
|           | 1 RB low       | 715.3           | 23.97                | 22.96 | 22.04 | 16.51                  | 15.50 | 14.58 |
|           |                | 707.5           | 23.89                | 23.10 | 22.24 | 16.43                  | 15.64 | 14.78 |
|           |                | 699.7           | 23.88                | 23.16 | 22.21 | 16.42                  | 15.70 | 14.75 |
|           | 50% RB mid     | 715.3           | 24.18                | 22.85 | 22.13 | 16.72                  | 15.39 | 14.67 |
|           |                | 707.5           | 23.99                | 23.02 | 22.22 | 16.53                  | 15.56 | 14.76 |
|           |                | 699.7           | 24.02                | 23.01 | 22.28 | 16.56                  | 15.55 | 14.82 |
|           | 100% RB        | 715.3           | 23.20                | 22.13 | 21.11 | 15.74                  | 14.67 | 13.65 |
|           |                | 707.5           | 23.10                | 22.20 | 21.11 | 15.64                  | 14.74 | 13.65 |
|           |                | 699.7           | 23.14                | 22.22 | 21.16 | 15.68                  | 14.76 | 13.70 |
| 3MHz      | 1 RB high      | 714.5           | 23.94                | 22.86 | 21.93 | 16.48                  | 15.40 | 14.47 |
|           |                | 707.5           | 23.78                | 23.09 | 22.03 | 16.32                  | 15.63 | 14.57 |
|           |                | 700.5           | 23.77                | 22.98 | 22.11 | 16.31                  | 15.52 | 14.65 |
|           | 1 RB low       | 714.5           | 23.78                | 22.92 | 22.03 | 16.32                  | 15.46 | 14.57 |
|           |                | 707.5           | 23.77                | 23.04 | 22.04 | 16.31                  | 15.58 | 14.58 |
|           |                | 700.5           | 23.79                | 23.12 | 22.07 | 16.33                  | 15.66 | 14.61 |
|           | 50% RB mid     | 714.5           | 23.09                | 22.08 | 21.11 | 15.63                  | 14.62 | 13.65 |
|           |                | 707.5           | 23.07                | 22.10 | 21.11 | 15.61                  | 14.64 | 13.65 |
|           |                | 700.5           | 23.08                | 22.14 | 21.18 | 15.62                  | 14.68 | 13.72 |
|           | 100% RB        | 714.5           | 23.06                | 22.00 | 21.03 | 15.60                  | 14.54 | 13.57 |
|           |                | 707.5           | 23.02                | 22.04 | 21.01 | 15.56                  | 14.58 | 13.55 |
|           |                | 700.5           | 23.06                | 22.05 | 21.04 | 15.60                  | 14.59 | 13.58 |
| 5MHz      | 1 RB high      | 713.5           | 24.13                | 23.03 | 21.99 | 16.67                  | 15.57 | 14.53 |
|           |                | 707.5           | 24.02                | 23.32 | 22.28 | 16.56                  | 15.86 | 14.82 |
|           |                | 701.5           | 24.01                | 23.17 | 22.21 | 16.55                  | 15.71 | 14.75 |
|           | 1 RB low       | 713.5           | 24.03                | 23.32 | 22.24 | 16.57                  | 15.86 | 14.78 |
|           |                | 707.5           | 24.08                | 23.36 | 22.30 | 16.62                  | 15.90 | 14.84 |
|           |                | 701.5           | 24.05                | 23.31 | 22.27 | 16.59                  | 15.85 | 14.81 |
|           | 50% RB mid     | 713.5           | 23.15                | 22.14 | 21.19 | 15.69                  | 14.68 | 13.73 |
|           |                | 707.5           | 23.18                | 22.18 | 21.22 | 15.72                  | 14.72 | 13.76 |
|           |                | 701.5           | 23.18                | 22.20 | 21.26 | 15.72                  | 14.74 | 13.80 |
|           | 100% RB        | 713.5           | 23.17                | 22.13 | 21.16 | 15.71                  | 14.67 | 13.70 |
|           |                | 707.5           | 23.16                | 22.18 | 21.20 | 15.70                  | 14.72 | 13.74 |
|           |                | 701.5           | 23.16                | 22.20 | 21.20 | 15.70                  | 14.74 | 13.74 |
| 10MHz     | 1 RB high      | 711             | 24.18                | 23.16 | 22.11 | 16.72                  | 15.70 | 14.65 |

|  |            |       |       |       |       |       |       |       |
|--|------------|-------|-------|-------|-------|-------|-------|-------|
|  |            | 707.5 | 24.15 | 23.34 | 22.32 | 16.69 | 15.88 | 14.86 |
|  |            | 704   | 24.11 | 23.35 | 22.36 | 16.65 | 15.89 | 14.90 |
|  | 1 RB low   | 711   | 24.19 | 23.40 | 22.42 | 16.73 | 15.94 | 14.96 |
|  |            | 707.5 | 24.18 | 23.45 | 22.40 | 16.72 | 15.99 | 14.94 |
|  |            | 704   | 24.19 | 23.41 | 22.31 | 16.73 | 15.95 | 14.85 |
|  | 50% RB mid | 711   | 23.24 | 22.23 | 21.27 | 15.78 | 14.77 | 13.81 |
|  |            | 707.5 | 23.25 | 22.26 | 21.28 | 15.79 | 14.80 | 13.82 |
|  |            | 704   | 23.23 | 22.25 | 21.27 | 15.77 | 14.79 | 13.81 |
|  | 100% RB    | 711   | 23.17 | 22.13 | 21.16 | 15.71 | 14.67 | 13.70 |
|  |            | 707.5 | 23.20 | 22.16 | 21.19 | 15.74 | 14.70 | 13.73 |
|  |            | 704   | 23.17 | 22.15 | 21.22 | 15.71 | 14.69 | 13.76 |

### LTE Band 13-ERP

Limits:  $\leq 34.77\text{dBm}(3\text{W})$

| Bandwidth | RB size/offset | Frequency (MHz) | Conducted Power(dBm) |       |       | ERP(dBm)(Gt-Lc =-4.96) |       |       |
|-----------|----------------|-----------------|----------------------|-------|-------|------------------------|-------|-------|
|           |                |                 | QPSK                 | 16QAM | 64QAM | QPSK                   | 16QAM | 64QAM |
| 5MHz      | 1 RB high      | 784.5           | 24.14                | 23.28 | 22.32 | 17.03                  | 16.17 | 15.21 |
|           |                | 782             | 24.09                | 23.34 | 22.36 | 16.98                  | 16.23 | 15.25 |
|           |                | 779.5           | 24.12                | 23.27 | 22.36 | 17.01                  | 16.16 | 15.25 |
|           | 1 RB low       | 784.5           | 24.15                | 23.42 | 22.38 | 17.04                  | 16.31 | 15.27 |
|           |                | 782             | 24.14                | 23.43 | 22.35 | 17.03                  | 16.32 | 15.24 |
|           |                | 779.5           | 24.18                | 23.38 | 22.37 | 17.07                  | 16.27 | 15.26 |
|           | 50% RB mid     | 784.5           | 23.24                | 22.25 | 21.32 | 16.13                  | 15.14 | 14.21 |
|           |                | 782             | 23.28                | 22.28 | 21.34 | 16.17                  | 15.17 | 14.23 |
|           |                | 779.5           | 23.27                | 22.29 | 21.33 | 16.16                  | 15.18 | 14.22 |
|           | 100% RB        | 784.5           | 23.21                | 22.22 | 21.24 | 16.10                  | 15.11 | 14.13 |
|           |                | 782             | 23.25                | 22.27 | 21.28 | 16.14                  | 15.16 | 14.17 |
|           |                | 779.5           | 23.23                | 22.24 | 21.28 | 16.12                  | 15.13 | 14.17 |
| 10MHz     | 1 RB high      | 782             | 24.19                | 23.48 | 22.42 | 17.08                  | 16.37 | 15.31 |
|           | 1 RB low       | 782             | 24.28                | 23.46 | 22.49 | 17.17                  | 16.35 | 15.38 |
|           | 50% RB mid     | 782             | 23.31                | 22.31 | 21.36 | 16.20                  | 15.20 | 14.25 |
|           | 100% RB        | 782             | 23.23                | 22.23 | 21.25 | 16.12                  | 15.12 | 14.14 |

**LTE Band 26(814MHz~824MHz)-ERP**
**Limits:  $\leq 50\text{dBm}(100\text{W})$** 

| Bandwidth | RB size/offset | Frequency (MHz) | Conducted Power(dBm) |       |       | ERP(dBm)(Gt-Lc =-3.77) |       |       |
|-----------|----------------|-----------------|----------------------|-------|-------|------------------------|-------|-------|
|           |                |                 | QPSK                 | 16QAM | 64QAM | QPSK                   | 16QAM | 64QAM |
| 1.4MHz    | 1 RB high      | 823.3           | 24.41                | 23.42 | 22.48 | 18.49                  | 17.50 | 16.56 |
|           |                | 819             | 24.37                | 23.41 | 22.45 | 18.45                  | 17.49 | 16.53 |
|           |                | 814.7           | 24.37                | 23.36 | 22.82 | 18.45                  | 17.44 | 16.90 |
|           | 1 RB low       | 823.3           | 24.34                | 23.38 | 22.38 | 18.42                  | 17.46 | 16.46 |
|           |                | 819             | 24.40                | 23.40 | 22.41 | 18.48                  | 17.48 | 16.49 |
|           |                | 814.7           | 24.37                | 23.37 | 22.83 | 18.45                  | 17.45 | 16.91 |
|           | 50% RB mid     | 823.3           | 24.47                | 23.66 | 22.57 | 18.55                  | 17.74 | 16.65 |
|           |                | 819             | 24.50                | 23.70 | 22.61 | 18.58                  | 17.78 | 16.69 |
|           |                | 814.7           | 24.50                | 23.63 | 22.75 | 18.58                  | 17.71 | 16.83 |
|           | 100% RB        | 823.3           | 23.58                | 22.77 | 21.70 | 17.66                  | 16.85 | 15.78 |
|           |                | 819             | 23.60                | 22.79 | 21.73 | 17.68                  | 16.87 | 15.81 |
|           |                | 814.7           | 23.61                | 22.47 | 21.96 | 17.69                  | 16.55 | 16.04 |
| 3MHz      | 1 RB high      | 822.5           | 24.21                | 23.31 | 22.29 | 18.29                  | 17.39 | 16.37 |
|           |                | 819             | 24.21                | 23.25 | 22.26 | 18.29                  | 17.33 | 16.34 |
|           |                | 815.5           | 24.27                | 23.31 | 22.28 | 18.35                  | 17.39 | 16.36 |
|           | 1 RB low       | 822.5           | 24.22                | 23.22 | 22.33 | 18.30                  | 17.30 | 16.41 |
|           |                | 819             | 24.24                | 23.27 | 22.32 | 18.32                  | 17.35 | 16.40 |
|           |                | 815.5           | 24.29                | 23.24 | 22.31 | 18.37                  | 17.32 | 16.39 |
|           | 50% RB mid     | 822.5           | 23.47                | 22.56 | 21.46 | 17.55                  | 16.64 | 15.54 |
|           |                | 819             | 23.50                | 22.56 | 21.46 | 17.58                  | 16.64 | 15.54 |
|           |                | 815.5           | 23.52                | 22.54 | 21.47 | 17.60                  | 16.62 | 15.55 |
|           | 100% RB        | 822.5           | 23.44                | 22.44 | 21.55 | 17.52                  | 16.52 | 15.63 |
|           |                | 819             | 23.44                | 22.43 | 21.54 | 17.52                  | 16.51 | 15.62 |
|           |                | 815.5           | 23.41                | 22.42 | 21.49 | 17.49                  | 16.50 | 15.57 |
| 5MHz      | 1 RB high      | 821.5           | 24.52                | 23.85 | 22.75 | 18.60                  | 17.93 | 16.83 |
|           |                | 819             | 24.49                | 23.61 | 22.75 | 18.57                  | 17.69 | 16.83 |
|           |                | 816.5           | 24.51                | 23.62 | 22.74 | 18.59                  | 17.70 | 16.82 |
|           | 1 RB low       | 821.5           | 24.52                | 23.81 | 22.70 | 18.60                  | 17.89 | 16.78 |
|           |                | 819             | 24.50                | 23.57 | 22.74 | 18.58                  | 17.65 | 16.82 |
|           |                | 816.5           | 24.48                | 23.55 | 22.70 | 18.56                  | 17.63 | 16.78 |
|           | 50% RB mid     | 821.5           | 23.63                | 22.65 | 21.72 | 17.71                  | 16.73 | 15.80 |
|           |                | 819             | 23.58                | 22.68 | 21.71 | 17.66                  | 16.76 | 15.79 |
|           |                | 816.5           | 23.61                | 22.64 | 21.69 | 17.69                  | 16.72 | 15.77 |
|           | 100% RB        | 821.5           | 23.62                | 22.58 | 21.71 | 17.70                  | 16.66 | 15.79 |
|           |                | 819             | 23.60                | 22.58 | 21.70 | 17.68                  | 16.66 | 15.78 |
|           |                | 816.5           | 23.59                | 22.59 | 21.69 | 17.67                  | 16.67 | 15.77 |
| 10MHz     | 1 RB high      | 819             | 24.61                | 23.62 | 22.53 | 18.69                  | 17.70 | 16.61 |

|  |               |     |       |       |       |       |       |       |
|--|---------------|-----|-------|-------|-------|-------|-------|-------|
|  | 1 RB low      | 819 | 24.59 | 23.57 | 22.46 | 18.67 | 17.65 | 16.54 |
|  | 50% RB<br>mid | 819 | 23.60 | 22.73 | 21.75 | 17.68 | 16.81 | 15.83 |
|  | 100% RB       | 819 | 23.62 | 22.63 | 21.66 | 17.70 | 16.71 | 15.74 |

**LTE Band 26(824MHz-849MHz)-ERP**
**Limits:  $\leq 38.45\text{dBm}(7\text{W})$** 

| Bandwidth | RB size/offset | Frequency (MHz) | Conducted Power(dBm) |       |       | ERP(dBm)(Gt-Lc =-3.77) |       |       |
|-----------|----------------|-----------------|----------------------|-------|-------|------------------------|-------|-------|
|           |                |                 | QPSK                 | 16QAM | 64QAM | QPSK                   | 16QAM | 64QAM |
| 1.4MHz    | 1 RB high      | 848.3           | 24.63                | 23.52 | 22.57 | 18.71                  | 17.60 | 16.65 |
|           |                | 836.5           | 24.44                | 23.51 | 22.52 | 18.52                  | 17.59 | 16.60 |
|           |                | 824.7           | 24.40                | 23.42 | 22.90 | 18.48                  | 17.50 | 16.98 |
|           | 1 RB low       | 848.3           | 24.55                | 23.49 | 22.50 | 18.63                  | 17.57 | 16.58 |
|           |                | 836.5           | 24.39                | 23.50 | 22.46 | 18.47                  | 17.58 | 16.54 |
|           |                | 824.7           | 24.38                | 23.41 | 22.87 | 18.46                  | 17.49 | 16.95 |
|           | 50% RB mid     | 848.3           | 24.59                | 23.78 | 22.72 | 18.67                  | 17.86 | 16.80 |
|           |                | 836.5           | 24.55                | 23.78 | 22.70 | 18.63                  | 17.86 | 16.78 |
|           |                | 824.7           | 24.49                | 23.68 | 22.57 | 18.57                  | 17.76 | 16.65 |
|           | 100% RB        | 848.3           | 23.76                | 22.90 | 21.87 | 17.84                  | 16.98 | 15.95 |
|           |                | 836.5           | 23.68                | 22.85 | 21.81 | 17.76                  | 16.93 | 15.89 |
|           |                | 824.7           | 23.60                | 22.77 | 21.72 | 17.68                  | 16.85 | 15.80 |
| 3MHz      | 1 RB high      | 847.5           | 24.48                | 23.43 | 22.36 | 18.56                  | 17.51 | 16.44 |
|           |                | 836.5           | 24.32                | 23.35 | 22.36 | 18.40                  | 17.43 | 16.44 |
|           |                | 825.5           | 24.29                | 23.31 | 22.34 | 18.37                  | 17.39 | 16.42 |
|           | 1 RB low       | 847.5           | 24.34                | 23.35 | 22.39 | 18.42                  | 17.43 | 16.47 |
|           |                | 836.5           | 24.28                | 23.29 | 22.40 | 18.36                  | 17.37 | 16.48 |
|           |                | 825.5           | 24.28                | 23.26 | 22.33 | 18.36                  | 17.34 | 16.41 |
|           | 50% RB mid     | 847.5           | 23.63                | 22.74 | 21.58 | 17.71                  | 16.82 | 15.66 |
|           |                | 836.5           | 23.56                | 22.68 | 21.54 | 17.64                  | 16.76 | 15.62 |
|           |                | 825.5           | 23.52                | 22.57 | 21.44 | 17.60                  | 16.65 | 15.52 |
|           | 100% RB        | 847.5           | 23.60                | 22.57 | 21.68 | 17.68                  | 16.65 | 15.76 |
|           |                | 836.5           | 23.50                | 22.51 | 21.60 | 17.58                  | 16.59 | 15.68 |
|           |                | 825.5           | 23.44                | 22.40 | 21.52 | 17.52                  | 16.48 | 15.60 |
| 5MHz      | 1 RB high      | 846.5           | 24.67                | 23.69 | 22.84 | 18.75                  | 17.77 | 16.92 |
|           |                | 836.5           | 24.55                | 23.66 | 22.82 | 18.63                  | 17.74 | 16.90 |
|           |                | 826.5           | 24.49                | 23.59 | 22.74 | 18.57                  | 17.67 | 16.82 |
|           | 1 RB low       | 846.5           | 24.57                | 23.68 | 22.84 | 18.65                  | 17.76 | 16.92 |
|           |                | 836.5           | 24.53                | 23.66 | 22.80 | 18.61                  | 17.74 | 16.88 |
|           |                | 826.5           | 24.48                | 23.58 | 22.72 | 18.56                  | 17.66 | 16.80 |
|           | 50% RB mid     | 846.5           | 23.70                | 22.78 | 21.78 | 17.78                  | 16.86 | 15.86 |
|           |                | 836.5           | 23.65                | 22.74 | 21.73 | 17.73                  | 16.82 | 15.81 |
|           |                | 826.5           | 23.56                | 22.66 | 21.69 | 17.64                  | 16.74 | 15.77 |
|           | 100% RB        | 846.5           | 23.72                | 22.69 | 21.80 | 17.80                  | 16.77 | 15.88 |
|           |                | 836.5           | 23.67                | 22.67 | 21.75 | 17.75                  | 16.75 | 15.83 |
|           |                | 826.5           | 23.56                | 22.54 | 21.62 | 17.64                  | 16.62 | 15.70 |
| 10MHz     | 1 RB high      | 844             | 24.84                | 23.78 | 22.65 | 18.92                  | 17.86 | 16.73 |

|       |               |       |       |       |       |       |       |       |
|-------|---------------|-------|-------|-------|-------|-------|-------|-------|
|       |               | 836.5 | 24.71 | 23.74 | 22.64 | 18.79 | 17.82 | 16.72 |
|       |               | 829   | 24.65 | 23.64 | 22.54 | 18.73 | 17.72 | 16.62 |
|       |               | 844   | 24.65 | 23.72 | 22.56 | 18.73 | 17.80 | 16.64 |
|       | 1 RB low      | 836.5 | 24.58 | 23.60 | 22.50 | 18.66 | 17.68 | 16.58 |
|       |               | 829   | 24.54 | 23.57 | 22.47 | 18.62 | 17.65 | 16.55 |
|       |               | 844   | 23.62 | 22.87 | 21.79 | 17.70 | 16.95 | 15.87 |
|       | 50% RB<br>mid | 836.5 | 23.62 | 22.83 | 21.81 | 17.70 | 16.91 | 15.89 |
|       |               | 829   | 23.65 | 22.72 | 21.75 | 17.73 | 16.80 | 15.83 |
|       |               | 844   | 23.68 | 22.70 | 21.72 | 17.76 | 16.78 | 15.80 |
|       | 100% RB       | 836.5 | 23.67 | 22.70 | 21.71 | 17.75 | 16.78 | 15.79 |
|       |               | 829   | 23.63 | 22.65 | 21.67 | 17.71 | 16.73 | 15.75 |
|       |               | 841.5 | 24.71 | 23.81 | 22.79 | 18.79 | 17.89 | 16.87 |
| 15MHz | 1 RB high     | 836.5 | 24.65 | 24.04 | 23.09 | 18.73 | 18.12 | 17.17 |
|       |               | 831.5 | 24.59 | 23.99 | 23.02 | 18.67 | 18.07 | 17.10 |
|       |               | 841.5 | 24.53 | 23.73 | 22.71 | 18.61 | 17.81 | 16.79 |
|       | 1 RB low      | 836.5 | 24.48 | 23.88 | 22.86 | 18.56 | 17.96 | 16.94 |
|       |               | 831.5 | 24.47 | 23.88 | 22.87 | 18.55 | 17.96 | 16.95 |
|       |               | 841.5 | 23.72 | 22.75 | 21.71 | 17.80 | 16.83 | 15.79 |
|       | 50% RB<br>mid | 836.5 | 23.73 | 22.68 | 21.75 | 17.81 | 16.76 | 15.83 |
|       |               | 831.5 | 23.68 | 22.65 | 21.70 | 17.76 | 16.73 | 15.78 |
|       |               | 841.5 | 23.75 | 22.73 | 21.76 | 17.83 | 16.81 | 15.84 |
|       | 100% RB       | 836.5 | 23.74 | 22.69 | 21.73 | 17.82 | 16.77 | 15.81 |
|       |               | 831.5 | 23.69 | 22.62 | 21.68 | 17.77 | 16.70 | 15.76 |
|       |               | 841.5 | 24.71 | 23.81 | 22.79 | 18.79 | 17.89 | 16.87 |

**LTE Band 41-EIRP**  
**Limits:  $\leq 33\text{dBm}(2\text{W})$**

| Bandwidth | RB size/offset | Frequency (MHz) | Conducted Power(dBm) |       |       | EIRP(dBm)(Gt-Lc =-0.69) |       |       |
|-----------|----------------|-----------------|----------------------|-------|-------|-------------------------|-------|-------|
|           |                |                 | QPSK                 | 16QAM | 64QAM | QPSK                    | 16QAM | 64QAM |
| 5MHz      | 1 RB high      | 2687.5          | 24.05                | 23.22 | 22.08 | 23.36                   | 22.53 | 21.39 |
|           |                | 2593            | 24.04                | 23.24 | 22.06 | 23.35                   | 22.55 | 21.37 |
|           |                | 2498.5          | 24.09                | 23.21 | 22.08 | 23.40                   | 22.52 | 21.39 |
|           | 1 RB low       | 2687.5          | 24.07                | 23.20 | 22.10 | 23.38                   | 22.51 | 21.41 |
|           |                | 2593            | 24.08                | 23.25 | 22.10 | 23.39                   | 22.56 | 21.41 |
|           |                | 2498.5          | 24.10                | 23.17 | 22.04 | 23.41                   | 22.48 | 21.35 |
|           | 50% RB mid     | 2687.5          | 23.27                | 22.26 | 21.33 | 22.58                   | 21.57 | 20.64 |
|           |                | 2593            | 23.22                | 22.22 | 21.29 | 22.53                   | 21.53 | 20.60 |
|           |                | 2498.5          | 23.30                | 22.22 | 21.30 | 22.61                   | 21.53 | 20.61 |
|           | 100% RB        | 2687.5          | 23.19                | 22.26 | 21.32 | 22.50                   | 21.57 | 20.63 |
|           |                | 2593            | 23.17                | 22.21 | 21.31 | 22.48                   | 21.52 | 20.62 |
|           |                | 2498.5          | 23.20                | 22.21 | 21.27 | 22.51                   | 21.52 | 20.58 |
| 10MHz     | 1 RB high      | 2685            | 24.15                | 23.33 | 22.16 | 23.46                   | 22.64 | 21.47 |
|           |                | 2593            | 24.13                | 23.34 | 22.16 | 23.44                   | 22.65 | 21.47 |
|           |                | 2501            | 24.16                | 23.31 | 22.14 | 23.47                   | 22.62 | 21.45 |
|           | 1 RB low       | 2685            | 24.20                | 23.36 | 22.22 | 23.51                   | 22.67 | 21.53 |
|           |                | 2593            | 24.21                | 23.38 | 22.21 | 23.52                   | 22.69 | 21.52 |
|           |                | 2501            | 24.19                | 23.27 | 22.13 | 23.50                   | 22.58 | 21.44 |
|           | 50% RB mid     | 2685            | 23.28                | 22.31 | 21.39 | 22.59                   | 21.62 | 20.70 |
|           |                | 2593            | 23.25                | 22.29 | 21.37 | 22.56                   | 21.60 | 20.68 |
|           |                | 2501            | 23.22                | 22.23 | 21.31 | 22.53                   | 21.54 | 20.62 |
|           | 100% RB        | 2685            | 23.30                | 22.29 | 21.30 | 22.61                   | 21.60 | 20.61 |
|           |                | 2593            | 23.24                | 22.25 | 21.27 | 22.55                   | 21.56 | 20.58 |
|           |                | 2501            | 23.25                | 22.22 | 21.23 | 22.56                   | 21.53 | 20.54 |
| 15MHz     | 1 RB high      | 2682.5          | 24.12                | 23.27 | 22.14 | 23.43                   | 22.58 | 21.45 |
|           |                | 2593            | 24.10                | 23.31 | 22.12 | 23.41                   | 22.62 | 21.43 |
|           |                | 2503.5          | 24.13                | 23.30 | 22.14 | 23.44                   | 22.61 | 21.45 |
|           | 1 RB low       | 2682.5          | 24.16                | 23.32 | 22.17 | 23.47                   | 22.63 | 21.48 |
|           |                | 2593            | 24.18                | 23.37 | 22.19 | 23.49                   | 22.68 | 21.50 |
|           |                | 2503.5          | 24.16                | 23.24 | 22.09 | 23.47                   | 22.55 | 21.40 |
|           | 50% RB mid     | 2682.5          | 23.26                | 22.25 | 21.32 | 22.57                   | 21.56 | 20.63 |
|           |                | 2593            | 23.24                | 22.23 | 21.28 | 22.55                   | 21.54 | 20.59 |
|           |                | 2503.5          | 23.25                | 22.20 | 21.25 | 22.56                   | 21.51 | 20.56 |
|           | 100% RB        | 2682.5          | 23.24                | 22.25 | 21.29 | 22.55                   | 21.56 | 20.60 |
|           |                | 2593            | 23.22                | 22.23 | 21.28 | 22.53                   | 21.54 | 20.59 |
|           |                | 2503.5          | 23.23                | 22.21 | 21.23 | 22.54                   | 21.52 | 20.54 |
| 20MHz     | 1 RB high      | 2680            | 24.05                | 23.21 | 22.07 | 23.36                   | 22.52 | 21.38 |

|  |               |      |       |       |       |       |       |       |
|--|---------------|------|-------|-------|-------|-------|-------|-------|
|  |               | 2593 | 24.03 | 23.23 | 22.04 | 23.34 | 22.54 | 21.35 |
|  |               | 2506 | 24.08 | 23.26 | 22.10 | 23.39 | 22.57 | 21.41 |
|  | 1 RB low      | 2680 | 24.11 | 23.29 | 22.15 | 23.42 | 22.60 | 21.46 |
|  |               | 2593 | 24.13 | 23.32 | 22.13 | 23.44 | 22.63 | 21.44 |
|  |               | 2506 | 24.07 | 23.17 | 22.03 | 23.38 | 22.48 | 21.34 |
|  | 50% RB<br>mid | 2680 | 23.36 | 22.36 | 21.36 | 22.67 | 21.67 | 20.67 |
|  |               | 2593 | 23.46 | 22.31 | 21.32 | 22.77 | 21.62 | 20.63 |
|  |               | 2506 | 23.32 | 22.31 | 21.31 | 22.63 | 21.62 | 20.62 |
|  | 100% RB       | 2680 | 23.29 | 22.28 | 21.30 | 22.60 | 21.59 | 20.61 |
|  |               | 2593 | 23.27 | 22.25 | 21.25 | 22.58 | 21.56 | 20.56 |
|  |               | 2506 | 23.28 | 22.27 | 21.25 | 22.59 | 21.58 | 20.56 |

**LTE Band 66-EIRP**  
**Limits:  $\leq 30\text{dBm}(1\text{W})$**

| Bandwidth | RB size/offset | Frequency (MHz) | Conducted Power(dBm) |       |       | EIRP(dBm)(Gt-Lc =-1.73) |       |       |
|-----------|----------------|-----------------|----------------------|-------|-------|-------------------------|-------|-------|
|           |                |                 | QPSK                 | 16QAM | 64QAM | QPSK                    | 16QAM | 64QAM |
| 1.4MHz    | 1 RB high      | 1779.3          | 24.01                | 23.13 | 22.24 | 22.28                   | 21.40 | 20.51 |
|           |                | 1745            | 23.99                | 23.16 | 22.19 | 22.26                   | 21.43 | 20.46 |
|           |                | 1710.7          | 24.03                | 23.20 | 22.32 | 22.30                   | 21.47 | 20.59 |
|           | 1 RB low       | 1779.3          | 24.02                | 23.20 | 22.22 | 22.29                   | 21.47 | 20.49 |
|           |                | 1745            | 23.95                | 23.02 | 22.21 | 22.22                   | 21.29 | 20.48 |
|           |                | 1710.7          | 24.00                | 23.19 | 22.25 | 22.27                   | 21.46 | 20.52 |
|           | 50% RB mid     | 1779.3          | 24.15                | 23.04 | 22.28 | 22.42                   | 21.31 | 20.55 |
|           |                | 1745            | 24.10                | 22.98 | 22.24 | 22.37                   | 21.25 | 20.51 |
|           |                | 1710.7          | 24.15                | 23.09 | 22.34 | 22.42                   | 21.36 | 20.61 |
|           | 100% RB        | 1779.3          | 23.22                | 22.29 | 21.19 | 21.49                   | 20.56 | 19.46 |
|           |                | 1745            | 23.19                | 22.28 | 21.20 | 21.46                   | 20.55 | 19.47 |
|           |                | 1710.7          | 23.23                | 22.33 | 21.29 | 21.50                   | 20.60 | 19.56 |
| 3MHz      | 1 RB high      | 1778.5          | 23.91                | 22.93 | 22.11 | 22.18                   | 21.20 | 20.38 |
|           |                | 1745            | 23.85                | 23.03 | 22.07 | 22.12                   | 21.30 | 20.34 |
|           |                | 1711.5          | 23.86                | 23.13 | 22.24 | 22.13                   | 21.40 | 20.51 |
|           | 1 RB low       | 1778.5          | 23.87                | 22.97 | 22.16 | 22.14                   | 21.24 | 20.43 |
|           |                | 1745            | 23.83                | 22.97 | 22.07 | 22.10                   | 21.24 | 20.34 |
|           |                | 1711.5          | 23.86                | 23.02 | 22.18 | 22.13                   | 21.29 | 20.45 |
|           | 50% RB mid     | 1778.5          | 23.13                | 22.20 | 21.20 | 21.40                   | 20.47 | 19.47 |
|           |                | 1745            | 23.11                | 22.11 | 21.16 | 21.38                   | 20.38 | 19.43 |
|           |                | 1711.5          | 23.14                | 22.23 | 21.24 | 21.41                   | 20.50 | 19.51 |
|           | 100% RB        | 1778.5          | 23.11                | 22.09 | 21.13 | 21.38                   | 20.36 | 19.40 |
|           |                | 1745            | 23.10                | 22.06 | 21.10 | 21.37                   | 20.33 | 19.37 |
|           |                | 1711.5          | 23.13                | 22.10 | 21.16 | 21.40                   | 20.37 | 19.43 |
| 5MHz      | 1 RB high      | 1777.5          | 24.06                | 23.27 | 22.18 | 22.33                   | 21.54 | 20.45 |
|           |                | 1745            | 24.05                | 23.19 | 22.24 | 22.32                   | 21.46 | 20.51 |
|           |                | 1712.5          | 24.08                | 23.36 | 22.26 | 22.35                   | 21.63 | 20.53 |
|           | 1 RB low       | 1777.5          | 24.06                | 23.14 | 22.16 | 22.33                   | 21.41 | 20.43 |
|           |                | 1745            | 24.06                | 23.19 | 22.17 | 22.33                   | 21.46 | 20.44 |
|           |                | 1712.5          | 24.10                | 23.34 | 22.35 | 22.37                   | 21.61 | 20.62 |
|           | 50% RB mid     | 1777.5          | 23.22                | 22.21 | 21.25 | 21.49                   | 20.48 | 19.52 |
|           |                | 1745            | 23.18                | 22.17 | 21.22 | 21.45                   | 20.44 | 19.49 |
|           |                | 1712.5          | 23.22                | 22.22 | 21.28 | 21.49                   | 20.49 | 19.55 |
|           | 100% RB        | 1777.5          | 23.20                | 22.16 | 21.22 | 21.47                   | 20.43 | 19.49 |
|           |                | 1745            | 23.14                | 22.14 | 21.17 | 21.41                   | 20.41 | 19.44 |
|           |                | 1712.5          | 23.19                | 22.22 | 21.23 | 21.46                   | 20.49 | 19.50 |
| 10MHz     | 1 RB high      | 1775            | 24.19                | 23.24 | 22.32 | 22.46                   | 21.51 | 20.59 |

|       |            |            |        |       |       |       |       |       |
|-------|------------|------------|--------|-------|-------|-------|-------|-------|
|       |            | 1745       | 24.14  | 23.32 | 22.30 | 22.41 | 21.59 | 20.57 |
|       |            | 1715       | 24.24  | 23.42 | 22.39 | 22.51 | 21.69 | 20.66 |
|       | 1 RB low   | 1775       | 24.16  | 23.27 | 22.35 | 22.43 | 21.54 | 20.62 |
|       |            | 1745       | 24.20  | 23.34 | 22.29 | 22.47 | 21.61 | 20.56 |
|       |            | 1715       | 24.18  | 23.43 | 22.39 | 22.45 | 21.70 | 20.66 |
|       | 50% RB mid | 1775       | 23.22  | 22.20 | 21.23 | 21.49 | 20.47 | 19.50 |
|       |            | 1745       | 23.20  | 22.22 | 21.23 | 21.47 | 20.49 | 19.50 |
|       |            | 1715       | 23.23  | 22.24 | 21.25 | 21.50 | 20.51 | 19.52 |
|       | 100% RB    | 1775       | 23.18  | 22.15 | 21.16 | 21.45 | 20.42 | 19.43 |
|       |            | 1745       | 23.22  | 22.17 | 21.18 | 21.49 | 20.44 | 19.45 |
|       |            | 1715       | 23.23  | 22.19 | 21.22 | 21.50 | 20.46 | 19.49 |
|       | 15MHz      | 1 RB high  | 1772.5 | 24.13 | 23.30 | 22.28 | 22.40 | 21.57 |
|       |            |            | 1745   | 24.08 | 23.24 | 22.19 | 22.35 | 21.51 |
|       |            |            | 1717.5 | 24.15 | 23.30 | 22.36 | 22.42 | 21.57 |
|       |            | 1 RB low   | 1772.5 | 24.09 | 23.26 | 22.28 | 22.36 | 21.53 |
|       |            |            | 1745   | 24.14 | 23.26 | 22.27 | 22.41 | 21.53 |
|       |            |            | 1717.5 | 24.13 | 23.35 | 22.33 | 22.40 | 21.62 |
|       |            | 50% RB mid | 1772.5 | 23.21 | 22.15 | 21.25 | 21.48 | 20.42 |
|       |            |            | 1745   | 23.20 | 22.17 | 21.25 | 21.47 | 20.44 |
|       |            |            | 1717.5 | 23.24 | 22.22 | 21.28 | 21.51 | 20.49 |
|       |            | 100% RB    | 1772.5 | 23.19 | 22.16 | 21.19 | 21.46 | 20.43 |
|       |            |            | 1745   | 23.21 | 22.15 | 21.20 | 21.48 | 20.42 |
|       |            |            | 1717.5 | 23.21 | 22.20 | 21.22 | 21.48 | 20.47 |
| 20MHz | 1 RB high  | 1770       | 24.06  | 23.10 | 22.23 | 22.33 | 21.37 | 20.50 |
|       |            | 1745       | 24.04  | 23.29 | 22.24 | 22.31 | 21.56 | 20.51 |
|       |            | 1720       | 24.06  | 23.19 | 22.19 | 22.33 | 21.46 | 20.46 |
|       | 1 RB low   | 1770       | 23.99  | 23.27 | 22.14 | 22.26 | 21.54 | 20.41 |
|       |            | 1745       | 24.02  | 23.12 | 22.14 | 22.29 | 21.39 | 20.41 |
|       |            | 1720       | 24.03  | 23.26 | 22.24 | 22.30 | 21.53 | 20.51 |
|       | 50% RB mid | 1770       | 23.28  | 22.23 | 21.26 | 21.55 | 20.50 | 19.53 |
|       |            | 1745       | 23.27  | 22.23 | 21.27 | 21.54 | 20.50 | 19.54 |
|       |            | 1720       | 23.28  | 22.24 | 21.30 | 21.55 | 20.51 | 19.57 |
|       | 100% RB    | 1770       | 23.16  | 22.13 | 21.17 | 21.43 | 20.40 | 19.44 |
|       |            | 1745       | 23.16  | 22.12 | 21.17 | 21.43 | 20.39 | 19.44 |
|       |            | 1720       | 23.19  | 22.17 | 21.20 | 21.46 | 20.44 | 19.47 |

**LTE CA Band 7C-EIRP**  
**Limits:  $\leq 33\text{dBm}(2\text{W})$**

| Bandwidth   | Frequency (MHz) | Frequency (MHz) | Modulation | PCC RB |        | SCC RB |        | Conducted Power(dBm) | EIRP(dBm)<br>(MAX Gt - Lc = -0.69) |
|-------------|-----------------|-----------------|------------|--------|--------|--------|--------|----------------------|------------------------------------|
|             |                 |                 |            | Size   | Offset | Size   | Offset |                      |                                    |
| 10MHz/20MHz | 2525.6          | 2540            | QPSK       | 1      | 49     | 1      | 0      | 24.08                | 23.39                              |
|             |                 |                 | QPSK       | 50     | 0      | 100    | 0      | 21.99                | 21.30                              |
|             |                 |                 | 16QAM      | 1      | 49     | 1      | 0      | 23.18                | 22.49                              |
|             |                 |                 | 16QAM      | 50     | 0      | 100    | 0      | 21.01                | 20.32                              |
|             |                 |                 | 64QAM      | 1      | 49     | 1      | 0      | 20.96                | 20.27                              |
|             |                 |                 | 64QAM      | 50     | 0      | 100    | 0      | 21.01                | 20.32                              |
| 15MHz/10MHz | 2530.1          | 2542.1          | QPSK       | 1      | 74     | 1      | 0      | 24.13                | 23.44                              |
|             |                 |                 | QPSK       | 75     | 0      | 50     | 0      | 22.09                | 21.40                              |
|             |                 |                 | 16QAM      | 1      | 74     | 1      | 0      | 23.17                | 22.48                              |
|             |                 |                 | 16QAM      | 75     | 0      | 50     | 0      | 21.08                | 20.39                              |
|             |                 |                 | 64QAM      | 1      | 74     | 1      | 0      | 20.96                | 20.27                              |
|             |                 |                 | 64QAM      | 75     | 0      | 50     | 0      | 21.10                | 20.41                              |
| 15MHz/15MHz | 2527.5          | 2542.5          | QPSK       | 1      | 74     | 1      | 0      | 24.15                | 23.46                              |
|             |                 |                 | QPSK       | 75     | 0      | 75     | 0      | 22.06                | 21.37                              |
|             |                 |                 | 16QAM      | 1      | 74     | 1      | 0      | 23.23                | 22.54                              |
|             |                 |                 | 16QAM      | 75     | 0      | 75     | 0      | 21.06                | 20.37                              |
|             |                 |                 | 64QAM      | 1      | 74     | 1      | 0      | 21.32                | 20.63                              |
|             |                 |                 | 64QAM      | 75     | 0      | 75     | 0      | 21.08                | 20.39                              |
| 15MHz/20MHz | 2525.3          | 2542.4          | QPSK       | 1      | 74     | 1      | 0      | 24.16                | 23.47                              |
|             |                 |                 | QPSK       | 75     | 0      | 100    | 0      | 22.06                | 21.37                              |
|             |                 |                 | 16QAM      | 1      | 74     | 1      | 0      | 22.99                | 22.30                              |
|             |                 |                 | 16QAM      | 75     | 0      | 100    | 0      | 21.01                | 20.32                              |
|             |                 |                 | 64QAM      | 1      | 74     | 1      | 0      | 21.25                | 20.56                              |
|             |                 |                 | 64QAM      | 75     | 0      | 100    | 0      | 21.04                | 20.35                              |
| 20MHz/10MHz | 2530.1          | 2544.5          | QPSK       | 1      | 99     | 1      | 0      | 24.09                | 23.40                              |
|             |                 |                 | QPSK       | 100    | 0      | 50     | 0      | 22.08                | 21.39                              |
|             |                 |                 | 16QAM      | 1      | 99     | 1      | 0      | 23.00                | 22.31                              |
|             |                 |                 | 16QAM      | 100    | 0      | 50     | 0      | 21.05                | 20.36                              |
|             |                 |                 | 64QAM      | 1      | 99     | 1      | 0      | 20.95                | 20.26                              |
|             |                 |                 | 64QAM      | 100    | 0      | 50     | 0      | 21.09                | 20.40                              |
| 20MHz/15MHz | 2527.6          | 2544.7          | QPSK       | 1      | 99     | 1      | 0      | 24.14                | 23.45                              |
|             |                 |                 | QPSK       | 100    | 0      | 75     | 0      | 22.01                | 21.32                              |
|             |                 |                 | 16QAM      | 1      | 99     | 1      | 0      | 23.08                | 22.39                              |
|             |                 |                 | 16QAM      | 100    | 0      | 75     | 0      | 21.02                | 20.33                              |
|             |                 |                 | 64QAM      | 1      | 99     | 1      | 0      | 21.07                | 20.38                              |
|             |                 |                 | 64QAM      | 100    | 0      | 75     | 0      | 20.98                | 20.29                              |
| 20MHz/20MHz | 2525.1          | 2544.9          | QPSK       | 1      | 99     | 1      | 0      | 24.21                | 23.52                              |

|  |  |  |       |     |    |     |   |       |       |
|--|--|--|-------|-----|----|-----|---|-------|-------|
|  |  |  | QPSK  | 100 | 0  | 100 | 0 | 22.00 | 21.31 |
|  |  |  | 16QAM | 1   | 99 | 1   | 0 | 23.22 | 22.53 |
|  |  |  | 16QAM | 100 | 0  | 100 | 0 | 21.00 | 20.31 |
|  |  |  | 64QAM | 1   | 99 | 1   | 0 | 21.37 | 20.68 |
|  |  |  | 64QAM | 100 | 0  | 100 | 0 | 21.01 | 20.32 |

### LTE CA Band 38C-EIRP

Limits:  $\leq 33\text{dBm}(2\text{W})$

| Bandwidth   | Frequency<br>(MHz) | Frequency<br>(MHz) | Modulation | PCC RB |        | SCC RB |        | Conducted<br>Power(dBm) | EIRP(dBm)<br>(MAX Gt -<br>Lc = -0.69) |
|-------------|--------------------|--------------------|------------|--------|--------|--------|--------|-------------------------|---------------------------------------|
|             |                    |                    |            | Size   | Offset | Size   | Offset |                         |                                       |
| 15MHz/15MHz | 2587.5             | 2602.5             | QPSK       | 1      | 74     | 1      | 0      | 24.10                   | 23.41                                 |
|             |                    |                    | QPSK       | 75     | 0      | 75     | 0      | 22.00                   | 21.31                                 |
|             |                    |                    | 16QAM      | 1      | 74     | 1      | 0      | 23.21                   | 22.52                                 |
|             |                    |                    | 16QAM      | 75     | 0      | 75     | 0      | 20.97                   | 20.28                                 |
|             |                    |                    | 64QAM      | 1      | 74     | 1      | 0      | 20.92                   | 20.23                                 |
|             |                    |                    | 64QAM      | 75     | 0      | 75     | 0      | 21.01                   | 20.32                                 |
| 20MHz/20MHz | 2585.1             | 2604.9             | QPSK       | 1      | 99     | 1      | 0      | 24.17                   | 23.48                                 |
|             |                    |                    | QPSK       | 100    | 0      | 100    | 0      | 21.89                   | 21.20                                 |
|             |                    |                    | 16QAM      | 1      | 99     | 1      | 0      | 23.15                   | 22.46                                 |
|             |                    |                    | 16QAM      | 100    | 0      | 100    | 0      | 20.88                   | 20.19                                 |
|             |                    |                    | 64QAM      | 1      | 99     | 1      | 0      | 21.29                   | 20.60                                 |
|             |                    |                    | 64QAM      | 100    | 0      | 100    | 0      | 20.93                   | 20.24                                 |

**ANT4:**
**LTE Band 2-EIRP**
**Limits:  $\leq 33\text{dBm}(2\text{W})$** 

| Bandwidth | RB size/offset | Frequency (MHz) | Conducted Power(dBm) |       |       | EIRP(dBm)(Gt-Lc =-1.95) |       |       |
|-----------|----------------|-----------------|----------------------|-------|-------|-------------------------|-------|-------|
|           |                |                 | QPSK                 | 16QAM | 64QAM | QPSK                    | 16QAM | 64QAM |
| 1.4MHz    | 1 RB high      | 1909.3          | 24.63                | 23.43 | 22.74 | 22.68                   | 21.48 | 20.79 |
|           |                | 1880            | 24.40                | 23.71 | 22.60 | 22.45                   | 21.76 | 20.65 |
|           |                | 1850.7          | 24.66                | 23.86 | 22.81 | 22.71                   | 21.91 | 20.86 |
|           | 1 RB low       | 1909.3          | 24.44                | 23.88 | 22.74 | 22.49                   | 21.93 | 20.79 |
|           |                | 1880            | 24.35                | 23.74 | 22.80 | 22.40                   | 21.79 | 20.85 |
|           |                | 1850.7          | 24.48                | 23.69 | 22.72 | 22.53                   | 21.74 | 20.77 |
|           | 50% RB mid     | 1909.3          | 24.65                | 23.92 | 22.92 | 22.70                   | 21.97 | 20.97 |
|           |                | 1880            | 24.68                | 23.84 | 22.76 | 22.73                   | 21.89 | 20.81 |
|           |                | 1850.7          | 24.69                | 24.05 | 22.75 | 22.74                   | 22.10 | 20.80 |
|           | 100% RB        | 1909.3          | 23.87                | 22.79 | 21.71 | 21.92                   | 20.84 | 19.76 |
|           |                | 1880            | 23.70                | 22.62 | 21.85 | 21.75                   | 20.67 | 19.90 |
|           |                | 1850.7          | 23.72                | 22.60 | 21.94 | 21.77                   | 20.65 | 19.99 |
| 3MHz      | 1 RB high      | 1908.5          | 24.31                | 23.62 | 22.60 | 22.36                   | 21.67 | 20.65 |
|           |                | 1880            | 24.40                | 23.53 | 22.60 | 22.45                   | 21.58 | 20.65 |
|           |                | 1851.5          | 24.52                | 23.80 | 22.86 | 22.57                   | 21.85 | 20.91 |
|           | 1 RB low       | 1908.5          | 24.66                | 23.53 | 22.58 | 22.71                   | 21.58 | 20.63 |
|           |                | 1880            | 24.63                | 23.63 | 22.77 | 22.68                   | 21.68 | 20.82 |
|           |                | 1851.5          | 24.46                | 23.60 | 22.83 | 22.51                   | 21.65 | 20.88 |
|           | 50% RB mid     | 1908.5          | 23.88                | 22.51 | 21.68 | 21.93                   | 20.56 | 19.73 |
|           |                | 1880            | 23.87                | 22.69 | 21.88 | 21.92                   | 20.74 | 19.93 |
|           |                | 1851.5          | 23.92                | 22.83 | 21.86 | 21.97                   | 20.88 | 19.91 |
|           | 100% RB        | 1908.5          | 23.67                | 22.60 | 21.81 | 21.72                   | 20.65 | 19.86 |
|           |                | 1880            | 23.56                | 22.51 | 21.70 | 21.61                   | 20.56 | 19.75 |
|           |                | 1851.5          | 23.75                | 22.85 | 21.81 | 21.80                   | 20.90 | 19.86 |
| 5MHz      | 1 RB high      | 1907.5          | 24.38                | 23.73 | 22.79 | 22.43                   | 21.78 | 20.84 |
|           |                | 1880            | 24.41                | 23.82 | 22.70 | 22.46                   | 21.87 | 20.75 |
|           |                | 1852.5          | 24.52                | 23.73 | 22.81 | 22.57                   | 21.78 | 20.86 |
|           | 1 RB low       | 1907.5          | 24.50                | 23.88 | 22.54 | 22.55                   | 21.93 | 20.59 |
|           |                | 1880            | 24.62                | 23.75 | 22.80 | 22.67                   | 21.80 | 20.85 |
|           |                | 1852.5          | 24.62                | 23.82 | 22.54 | 22.67                   | 21.87 | 20.59 |
|           | 50% RB mid     | 1907.5          | 23.72                | 22.87 | 21.72 | 21.77                   | 20.92 | 19.77 |
|           |                | 1880            | 23.70                | 22.84 | 21.80 | 21.75                   | 20.89 | 19.85 |
|           |                | 1852.5          | 23.79                | 22.86 | 21.78 | 21.84                   | 20.91 | 19.83 |
|           | 100% RB        | 1907.5          | 23.70                | 22.69 | 21.53 | 21.75                   | 20.74 | 19.58 |
|           |                | 1880            | 23.67                | 22.61 | 21.81 | 21.72                   | 20.66 | 19.86 |
|           |                | 1852.5          | 23.70                | 22.62 | 21.81 | 21.75                   | 20.67 | 19.86 |

|       |            |        |       |       |       |       |       |       |
|-------|------------|--------|-------|-------|-------|-------|-------|-------|
| 10MHz | 1 RB high  | 1905   | 24.48 | 23.51 | 22.56 | 22.53 | 21.56 | 20.61 |
|       |            | 1880   | 24.35 | 23.51 | 22.76 | 22.40 | 21.56 | 20.81 |
|       |            | 1855   | 24.71 | 23.57 | 22.66 | 22.76 | 21.62 | 20.71 |
|       | 1 RB low   | 1905   | 24.54 | 23.57 | 22.70 | 22.59 | 21.62 | 20.75 |
|       |            | 1880   | 24.33 | 23.65 | 22.91 | 22.38 | 21.70 | 20.96 |
|       |            | 1855   | 24.59 | 23.73 | 22.82 | 22.64 | 21.78 | 20.87 |
|       | 50% RB mid | 1905   | 23.92 | 22.65 | 21.70 | 21.97 | 20.70 | 19.75 |
|       |            | 1880   | 23.77 | 22.71 | 21.91 | 21.82 | 20.76 | 19.96 |
|       |            | 1855   | 23.73 | 22.83 | 21.76 | 21.78 | 20.88 | 19.81 |
|       | 100% RB    | 1905   | 23.60 | 22.61 | 21.77 | 21.65 | 20.66 | 19.82 |
|       |            | 1880   | 23.50 | 22.82 | 21.84 | 21.55 | 20.87 | 19.89 |
|       |            | 1855   | 23.80 | 22.63 | 21.64 | 21.85 | 20.68 | 19.69 |
| 15MHz | 1 RB high  | 1902.5 | 24.62 | 23.45 | 22.80 | 22.67 | 21.50 | 20.85 |
|       |            | 1880   | 24.64 | 23.54 | 22.84 | 22.69 | 21.59 | 20.89 |
|       |            | 1857.5 | 24.64 | 23.89 | 22.88 | 22.69 | 21.94 | 20.93 |
|       | 1 RB low   | 1902.5 | 24.51 | 23.80 | 22.66 | 22.56 | 21.85 | 20.71 |
|       |            | 1880   | 24.65 | 23.86 | 22.79 | 22.70 | 21.91 | 20.84 |
|       |            | 1857.5 | 24.50 | 23.79 | 22.78 | 22.55 | 21.84 | 20.83 |
|       | 50% RB mid | 1902.5 | 23.67 | 22.87 | 21.57 | 21.72 | 20.92 | 19.62 |
|       |            | 1880   | 23.78 | 22.88 | 21.73 | 21.83 | 20.93 | 19.78 |
|       |            | 1857.5 | 23.71 | 22.60 | 21.69 | 21.76 | 20.65 | 19.74 |
|       | 100% RB    | 1902.5 | 23.68 | 22.46 | 21.56 | 21.73 | 20.51 | 19.61 |
|       |            | 1880   | 23.59 | 22.78 | 21.75 | 21.64 | 20.83 | 19.80 |
|       |            | 1857.5 | 23.85 | 22.75 | 21.92 | 21.90 | 20.80 | 19.97 |
| 20MHz | 1 RB high  | 1900   | 24.46 | 23.61 | 22.64 | 22.51 | 21.66 | 20.69 |
|       |            | 1880   | 24.50 | 23.65 | 22.70 | 22.55 | 21.70 | 20.75 |
|       |            | 1860   | 24.54 | 23.71 | 22.80 | 22.59 | 21.76 | 20.85 |
|       | 1 RB low   | 1900   | 24.48 | 23.71 | 22.66 | 22.53 | 21.76 | 20.71 |
|       |            | 1880   | 24.50 | 23.80 | 22.73 | 22.55 | 21.85 | 20.78 |
|       |            | 1860   | 24.58 | 23.75 | 22.71 | 22.63 | 21.80 | 20.76 |
|       | 50% RB mid | 1900   | 23.76 | 22.69 | 21.72 | 21.81 | 20.74 | 19.77 |
|       |            | 1880   | 23.73 | 22.74 | 21.78 | 21.78 | 20.79 | 19.83 |
|       |            | 1860   | 23.80 | 22.78 | 21.82 | 21.85 | 20.83 | 19.87 |
|       | 100% RB    | 1900   | 23.68 | 22.64 | 21.70 | 21.73 | 20.69 | 19.75 |
|       |            | 1880   | 23.65 | 22.65 | 21.67 | 21.70 | 20.70 | 19.72 |
|       |            | 1860   | 23.76 | 22.74 | 21.76 | 21.81 | 20.79 | 19.81 |

**LTE Band 7-EIRP**
**Limits:  $\leq 33\text{dBm}(2\text{W})$** 

| Bandwidth | RB size/offset | Frequency (MHz) | Conducted Power(dBm) |       |       | EIRP(dBm)(Gt-Lc =-1.78) |       |       |
|-----------|----------------|-----------------|----------------------|-------|-------|-------------------------|-------|-------|
|           |                |                 | QPSK                 | 16QAM | 64QAM | QPSK                    | 16QAM | 64QAM |
| 5MHz      | 1 RB high      | 2567.5          | 24.26                | 23.51 | 22.40 | 22.48                   | 21.73 | 20.62 |
|           |                | 2535            | 24.23                | 23.44 | 22.41 | 22.45                   | 21.66 | 20.63 |
|           |                | 2502.5          | 24.44                | 23.54 | 22.76 | 22.66                   | 21.76 | 20.98 |
|           | 1 RB low       | 2567.5          | 24.46                | 23.52 | 22.45 | 22.68                   | 21.74 | 20.67 |
|           |                | 2535            | 24.54                | 23.56 | 22.69 | 22.76                   | 21.78 | 20.91 |
|           |                | 2502.5          | 24.53                | 23.61 | 22.60 | 22.75                   | 21.83 | 20.82 |
|           | 50% RB mid     | 2567.5          | 23.46                | 22.58 | 21.77 | 21.68                   | 20.80 | 19.99 |
|           |                | 2535            | 23.54                | 22.63 | 21.62 | 21.76                   | 20.85 | 19.84 |
|           |                | 2502.5          | 23.55                | 22.48 | 21.58 | 21.77                   | 20.70 | 19.80 |
|           | 100% RB        | 2567.5          | 23.63                | 22.40 | 21.67 | 21.85                   | 20.62 | 19.89 |
|           |                | 2535            | 23.44                | 22.43 | 21.52 | 21.66                   | 20.65 | 19.74 |
|           |                | 2502.5          | 23.64                | 22.66 | 21.75 | 21.86                   | 20.88 | 19.97 |
| 10MHz     | 1 RB high      | 2565            | 24.39                | 23.49 | 22.45 | 22.61                   | 21.71 | 20.67 |
|           |                | 2535            | 24.50                | 23.48 | 22.40 | 22.72                   | 21.70 | 20.62 |
|           |                | 2505            | 24.56                | 23.53 | 22.41 | 22.78                   | 21.75 | 20.63 |
|           | 1 RB low       | 2565            | 24.34                | 23.46 | 22.49 | 22.56                   | 21.68 | 20.71 |
|           |                | 2535            | 24.53                | 23.48 | 22.63 | 22.75                   | 21.70 | 20.85 |
|           |                | 2505            | 24.57                | 23.65 | 22.56 | 22.79                   | 21.87 | 20.78 |
|           | 50% RB mid     | 2565            | 23.74                | 22.54 | 21.52 | 21.96                   | 20.76 | 19.74 |
|           |                | 2535            | 23.71                | 22.66 | 21.80 | 21.93                   | 20.88 | 20.02 |
|           |                | 2505            | 23.63                | 22.44 | 21.56 | 21.85                   | 20.66 | 19.78 |
|           | 100% RB        | 2565            | 23.67                | 22.50 | 21.56 | 21.89                   | 20.72 | 19.78 |
|           |                | 2535            | 23.57                | 22.60 | 21.35 | 21.79                   | 20.82 | 19.57 |
|           |                | 2505            | 23.72                | 22.64 | 21.45 | 21.94                   | 20.86 | 19.67 |
| 15MHz     | 1 RB high      | 2562.5          | 24.47                | 23.55 | 22.48 | 22.69                   | 21.77 | 20.70 |
|           |                | 2535            | 24.55                | 23.49 | 22.39 | 22.77                   | 21.71 | 20.61 |
|           |                | 2507.5          | 24.26                | 23.44 | 22.70 | 22.48                   | 21.66 | 20.92 |
|           | 1 RB low       | 2562.5          | 24.42                | 23.47 | 22.70 | 22.64                   | 21.69 | 20.92 |
|           |                | 2535            | 24.34                | 23.70 | 22.55 | 22.56                   | 21.92 | 20.77 |
|           |                | 2507.5          | 24.50                | 23.44 | 22.67 | 22.72                   | 21.66 | 20.89 |
|           | 50% RB mid     | 2562.5          | 23.82                | 22.78 | 21.49 | 22.04                   | 21.00 | 19.71 |
|           |                | 2535            | 23.74                | 22.57 | 21.50 | 21.96                   | 20.79 | 19.72 |
|           |                | 2507.5          | 23.70                | 22.58 | 21.54 | 21.92                   | 20.80 | 19.76 |
|           | 100% RB        | 2562.5          | 23.38                | 22.64 | 21.46 | 21.60                   | 20.86 | 19.68 |
|           |                | 2535            | 23.47                | 22.42 | 21.63 | 21.69                   | 20.64 | 19.85 |
|           |                | 2507.5          | 23.53                | 22.43 | 21.72 | 21.75                   | 20.65 | 19.94 |
| 20MHz     | 1 RB high      | 2560            | 24.34                | 23.50 | 22.57 | 22.56                   | 21.72 | 20.79 |