



# FCC RF Test Report

APPLICANT : Barking Labs Corp.  
EQUIPMENT : Fi Smart Collar Series 3+  
BRAND NAME : Fi  
MODEL NAME : FC3C  
FCC ID : 2ARXN-FC3B  
STANDARD : 47 CFR Part 22(H), 24(E), 27(L), 27(H), 27(F)  
CLASSIFICATION : PCS Licensed Transmitter (PCB)  
TEST DATE(S) : Jan. 27, 2026 ~ Feb. 10, 2026

This product installed a RF module (Brand Name: NORDIC, Model Name: nRF9151, FCC ID: 2ANPO00NRF9151) during the test, only Conducted Power, ERP/EIRP and RSE test items are tested in this report, all the other test results are leveraged from module RF report.

We, Sporton International Inc. (Kunshan), would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown compliance with the applicable technical standards.

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

Jason Jia

Approved by: Jason Jia



**Sporton International Inc. (Kunshan)**

No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300  
People's Republic of China



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## REVISION HISTORY

| REPORT NO. | VERSION | DESCRIPTION             | ISSUED DATE   |
|------------|---------|-------------------------|---------------|
| FG5D2906A  | Rev. 01 | Initial issue of report | Feb. 10, 2026 |
|            |         |                         |               |
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## SUMMARY OF TEST RESULT

| Report Section | FCC Rule                                                                                   | Description                                                                                                   | Limit                               | Result      | Remark                              |
|----------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------|-------------------------------------|
| 3.4            | §2.1046                                                                                    | Conducted Output Power                                                                                        | -                                   | PASS        | -                                   |
|                | §22.913(a)(5)                                                                              | Effective Radiated Power (Band 5) (Band 26)                                                                   | ERP < 7 Watt                        |             | -                                   |
|                | §27.50(b)(10)<br>§27.50(c)(10)                                                             | Effective Radiated Power (Band 12)(Band 13)(Band 85)                                                          | ERP < 3 Watt                        |             | -                                   |
|                | §24.232(c)                                                                                 | Equivalent Isotropic Radiated Power (Band 2)(Band 25)                                                         | EIRP < 2Watt                        |             | -                                   |
|                | §27.50(d)(4)                                                                               | Equivalent Isotropic Radiated Power (Band 66)                                                                 | EIRP < 1Watt                        |             | -                                   |
| -              | §24.232(d)                                                                                 | Peak-to-Average Ratio                                                                                         | <13 dB                              | PASS        | 1                                   |
| -              | §2.1049                                                                                    | Occupied Bandwidth                                                                                            | -                                   | Report Only | 1                                   |
| -              | §2.1051<br>§22.917(a)<br>§24.238(a)<br>§27.53(c)(2)(4)<br>§27.53(g)<br>§27.53(h)           | Conducted Band Edge Measurement (Band 2) (Band 5) (Band 12) (Band 13) (Band 25) (Band 26) (Band 66) (Band 85) | < 43+10log <sub>10</sub> (P[Watts]) | PASS        | 1                                   |
| -              | §2.1051<br>§22.917(a)<br>§24.238(a)<br>§27.53(c)(2)<br>§27.53(g)<br>§27.53(h)              | Conducted Spurious Emission (Band 2) (Band 5) (Band 12) (Band 13) (Band 25) (Band 26) (Band 66) (Band 85)     | < 43+10log <sub>10</sub> (P[Watts]) | PASS        | 1                                   |
| -              | §2.1055<br>§22.355                                                                         | Frequency Stability<br>Temperature & Voltage                                                                  | < 2.5 ppm for Part 22               | PASS        | 1                                   |
|                | §2.1055<br>§24.235<br>§27.54                                                               |                                                                                                               | Within Authorized Band              |             |                                     |
| 4.4            | §2.1053<br>§22.917(a)<br>§24.238(a)<br>§27.53(c)(2)<br>§27.53(f)<br>§27.53(g)<br>§27.53(h) | Radiated Spurious Emission (Band 2) (Band 5) (Band 12) (Band 13) (Band 25) (Band 26) (Band 66) (Band 85)      | < 43+10log <sub>10</sub> (P[Watts]) | PASS        | Under limit 20.45 dB at 1560.00 MHz |

## Remark:

- The conducted test items were leverage from module RF report which can refer to Report No. 77535RRF.001, 77535RRF.002, 77535RRF.003.
- This is a variant report. The change note could be referred to the Product Equality Declaration which is exhibit separately. According to the change, only the related test cases were verified from original report FG540712A.

## Conformity Assessment Condition:

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

## Disclaimer:

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



# 1 General Description

## 1.1 Applicant

Barking Labs Corp.

419 Lafayette St., Floor 2, New York, NY 10003

## 1.2 Manufacturer

Barking Labs Corp.

419 Lafayette St., Floor 2, New York, NY 10003

## 1.3 Product Feature of Equipment Under Test

| Product Feature |                           |
|-----------------|---------------------------|
| Equipment       | Fi Smart Collar Series 3+ |
| Brand Name      | Fi                        |
| Model Name      | FC3C                      |
| FCC ID          | 2ARXN-FC3B                |
| SN              | FC35M672305               |
| EUT Stage       | Identical Prototype       |

## 1.4 Product Specification of Equipment Under Test

| Standards-related Product Specification |                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tx Frequency                            | LTE Band 2 : 1850 MHz ~ 1910 MHz<br>LTE Band 4 : 1710 MHz ~ 1755 MHz<br>LTE Band 5 : 824 MHz ~ 849 MHz<br>LTE Band 12 : 699 MHz ~ 716 MHz<br>LTE Band 13 : 777 MHz ~ 787 MHz<br>LTE Band 25 : 1850 MHz ~ 1915 MHz<br>LTE Band 26 : 824 MHz ~ 849 MHz<br>LTE Band 66 : 1710 MHz ~ 1780 MHz<br>LTE Band 85 : 698 MHz ~ 716 MHz |
| Rx Frequency                            | LTE Band 2 : 1930 MHz ~ 1990 MHz<br>LTE Band 4 : 2110 MHz ~ 2155 MHz<br>LTE Band 5 : 869 MHz ~ 894 MHz<br>LTE Band 12 : 729 MHz ~ 746 MHz<br>LTE Band 13 : 746 MHz ~ 756 MHz<br>LTE Band 25 : 1930 MHz ~ 1995 MHz<br>LTE Band 26 : 869 MHz ~ 894 MHz<br>LTE Band 66 : 2110 MHz ~ 2180 MHz<br>LTE Band 85 : 728 MHz ~ 746 MHz |
| Bandwidth                               | LTE Band 2 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz<br>LTE Band 4 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz<br>LTE Band 5 : 1.4MHz / 3MHz / 5MHz / 10MHz<br>LTE Band 12 : 1.4MHz / 3MHz / 5MHz / 10MHz<br>LTE Band 13 : 5MHz / 10MHz                                                                              |

|                                        |                                                                                                                                                                                                              |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                        | LTE Band 25 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz<br>LTE Band 26 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz<br>LTE Band 66 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz<br>LTE Band 85 : 5MHz / 10MHz |
| <b>Maximum Output Power to Antenna</b> | LTE Band 5 : 22.61 dBm<br>LTE Band 13 : 22.13 dBm<br>LTE Band 25 : 22.73 dBm<br>LTE Band 26 : 22.72 dBm<br>LTE Band 66 : 22.86 dBm<br>LTE Band 85 : 22.86 dBm                                                |
| <b>Antenna Gain</b>                    | LTE Band 5 : -2.23 dBi<br>LTE Band 13 : 0.7 dBi<br>LTE Band 25 : 1 dBi<br>LTE Band 26 : 1.59 dBi<br>LTE Band 66 : -0.11 dBi<br>LTE Band 85 : -4.15 dBi                                                       |
| <b>Type of Modulation</b>              | QPSK / 16QAM                                                                                                                                                                                                 |

## 1.5 Modification of EUT

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

## 1.6 Maximum ERP/EIRP

| LTE Band 25 |                       | QPSK            | 16QAM           |
|-------------|-----------------------|-----------------|-----------------|
| BW (MHz)    | Frequency Range (MHz) | Maximum EIRP(W) | Maximum EIRP(W) |
| 1.4         | 1850.7 ~ 1914.3       | 0.2339          | 0.1888          |
| 3           | 1851.5 ~ 1913.5       | 0.2296          | 0.1866          |
| 5           | 1852.5 ~ 1912.5       | 0.2286          | 0.2270          |
| 10          | 1855.0 ~ 1910.0       | 0.2339          | 0.2301          |
| 15          | 1857.5 ~ 1907.5       | 0.2307          | 0.2296          |
| 20          | 1860.0 ~ 1905.0       | 0.2360          | 0.2339          |
| LTE Band 5  |                       | QPSK            | 16QAM           |
| BW (MHz)    | Frequency Range (MHz) | Maximum ERP(W)  | Maximum ERP(W)  |
| 1.4         | 824.7 ~ 848.3         | 0.0650          | 0.0532          |
| 3           | 825.5 ~ 847.5         | 0.0658          | 0.0555          |
| 5           | 826.5 ~ 846.5         | 0.0659          | 0.0664          |
| 10          | 829.0 ~ 844.0         | 0.0665          | 0.0661          |



| LTE Band 13 |                       | QPSK            | 16QAM           |
|-------------|-----------------------|-----------------|-----------------|
| BW (MHz)    | Frequency Range (MHz) | Maximum ERP(W)  | Maximum ERP(W)  |
| 5           | 779.5 ~ 784.5         | 0.1169          | 0.1164          |
| 10          | 782.0                 | 0.1159          | 0.1164          |
| LTE Band 26 |                       | QPSK            | 16QAM           |
| BW (MHz)    | Frequency Range (MHz) | Maximum ERP(W)  | Maximum ERP(W)  |
| 1.4         | 824.7 ~ 848.3         | 0.1574          | 0.1268          |
| 3           | 825.5 ~ 847.5         | 0.1563          | 0.1276          |
| 5           | 826.5 ~ 846.5         | 0.1563          | 0.1592          |
| 10          | 829.0 ~ 844.0         | 0.1596          | 0.1633          |
| 15          | 831.5 ~ 841.5         | 0.1644          | 0.1633          |
| CH26790     | 824.0                 | 0.1581          | 0.1574          |
| LTE Band 66 |                       | QPSK            | 16QAM           |
| BW (MHz)    | Frequency Range (MHz) | Maximum EIRP(W) | Maximum EIRP(W) |
| 1.4         | 1710.7 ~ 1779.3       | 0.1770          | 0.1469          |
| 3           | 1711.5 ~ 1778.5       | 0.1762          | 0.1521          |
| 5           | 1712.5 ~ 1777.5       | 0.1750          | 0.1774          |
| 10          | 1715.0 ~ 1775.0       | 0.1762          | 0.1837          |
| 15          | 1717.5 ~ 1772.5       | 0.1795          | 0.1884          |
| 20          | 1720.0 ~ 1770.0       | 0.1786          | 0.1884          |
| LTE Band 85 |                       | QPSK            | 16QAM           |
| BW (MHz)    | Frequency Range (MHz) | Maximum ERP(W)  | Maximum ERP(W)  |
| 5           | 700.5 ~ 713.5         | 0.0453          | 0.0450          |
| 10          | 703.0 ~ 711.0         | 0.0453          | 0.0451          |

**Note:** LTE Band 26 overlaps the entire frequency range of LTE Band 5. Therefore, the test results provided in this report covers Band 5 and the portion of Band 26 subject to Part 22.

## 1.7 Testing Location

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

|                           |                                                                                                                                                |                            |                                       |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------|
| <b>Test Firm</b>          | Sporton International Inc. (Kunshan)                                                                                                           |                            |                                       |
| <b>Test Site Location</b> | No. 1098, Pengxi North Road, Kunshan Economic Development Zone<br>Jiangsu Province 215300 People's Republic of China<br>TEL : +86-512-57900158 |                            |                                       |
| <b>Test Site No.</b>      | <b>Sporton Site No.</b>                                                                                                                        | <b>FCC Designation No.</b> | <b>FCC Test Firm Registration No.</b> |
|                           | 03CH04-KS<br>TH01-KS                                                                                                                           | CN1257                     | 314309                                |

## 1.8 Test Software

| Item | Site      | Manufacture | Name                                | Version |
|------|-----------|-------------|-------------------------------------|---------|
| 1.   | TH01-KS   | SPORTON     | FCC LTE_Ver2.0<br>Auto_china_210503 | 2.0     |
| 2.   | 03CH04-KS | AUDIX       | E3                                  | 210616  |

## 1.9 Applicable Standards

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

- ♦ 47 CFR Part 22(H), 24(E), 27(L), 27(H), 27(F)
- ♦ ANSI C63.26-2015
- ♦ FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01

### Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



## 2 Test Configuration of Equipment Under Test

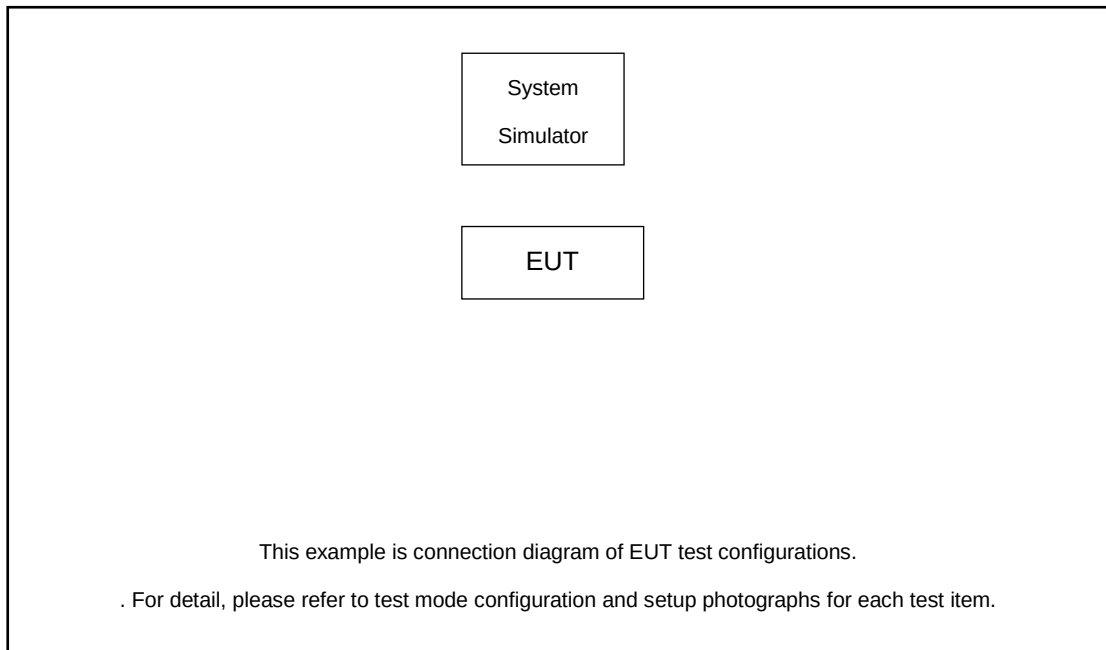
### 2.1 Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.

Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission.

| Test Items                 | Band                                                                                                                                                                                                                                         | Bandwidth (MHz) |   |   |    |    |    | Modulation |        |        | RB # |      |      | Test Channel |   |   |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---|---|----|----|----|------------|--------|--------|------|------|------|--------------|---|---|
|                            |                                                                                                                                                                                                                                              | 1.4             | 3 | 5 | 10 | 15 | 20 | QPSK       | 16 QAM | 64 QAM | 1    | Half | Full | L            | M | H |
| Max. Output Power          | 5                                                                                                                                                                                                                                            | v               | v | v | v  | -  | -  | v          | v      | -      | v    | v    | v    | v            | v | v |
|                            | 13                                                                                                                                                                                                                                           | -               | - | v | v  | -  | -  | v          | v      | -      | v    | v    | v    | v            | v | v |
|                            | 25                                                                                                                                                                                                                                           | v               | v | v | v  | v  | v  | v          | v      | -      | v    | v    | v    | v            | v | v |
|                            | 26                                                                                                                                                                                                                                           | v               | v | v | v  | v  | -  | v          | v      | -      | v    | v    | v    | v            | v | v |
|                            | 66                                                                                                                                                                                                                                           | v               | v | v | v  | v  | v  | v          | v      | -      | v    | v    | v    | v            | v | v |
|                            | 85                                                                                                                                                                                                                                           | -               | - | v | v  | -  | -  | v          | v      | -      | v    | v    | v    | v            | v | v |
| E.R.P / E.I.R.P            | 5                                                                                                                                                                                                                                            | v               | v | v | v  | -  | -  | v          | v      | -      | v    | v    | v    | v            | v | v |
|                            | 13                                                                                                                                                                                                                                           | -               | - | v | v  | -  | -  | v          | v      | -      | v    | v    | v    | v            | v | v |
|                            | 25                                                                                                                                                                                                                                           | v               | v | v | v  | v  | v  | v          | v      | -      | v    | v    | v    | v            | v | v |
|                            | 26                                                                                                                                                                                                                                           | v               | v | v | v  | v  | -  | v          | v      | -      | v    | v    | v    | v            | v | v |
|                            | 66                                                                                                                                                                                                                                           | v               | v | v | v  | v  | v  | v          | v      | -      | v    | v    | v    | v            | v | v |
|                            | 85                                                                                                                                                                                                                                           | -               | - | v | v  | -  | -  | v          | v      | -      | v    | v    | v    | v            | v | v |
| Radiated Spurious Emission | 13                                                                                                                                                                                                                                           | Worst Case      |   |   |    |    |    |            |        |        |      |      |      | v            | v | v |
|                            | 25                                                                                                                                                                                                                                           | Worst Case      |   |   |    |    |    |            |        |        |      |      |      | v            | v | v |
|                            | 26                                                                                                                                                                                                                                           | Worst Case      |   |   |    |    |    |            |        |        |      |      |      | v            | v | v |
|                            | 66                                                                                                                                                                                                                                           | Worst Case      |   |   |    |    |    |            |        |        |      |      |      | v            | v | v |
|                            | 85                                                                                                                                                                                                                                           | Worst Case      |   |   |    |    |    |            |        |        |      |      |      | v            | v | v |
| Note                       | 1. The mark “v” means that this configuration is chosen for testing                                                                                                                                                                          |                 |   |   |    |    |    |            |        |        |      |      |      |              |   |   |
|                            | 2. The mark “-” means that this bandwidth is not supported.                                                                                                                                                                                  |                 |   |   |    |    |    |            |        |        |      |      |      |              |   |   |
|                            | 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. |                 |   |   |    |    |    |            |        |        |      |      |      |              |   |   |

## 2.2 Connection Diagram of Test System



## 2.3 Support Unit used in test configuration and system

| Item | Equipment        | Trade Name | Model No. | FCC ID | Data Cable | Power Cord        |
|------|------------------|------------|-----------|--------|------------|-------------------|
| 1.   | Power Supply     | GWINSTEK   | PSS-2002  | N/A    | N/A        | Unshielded, 1.8 m |
| 2.   | LTE Base Station | Anritsu    | MT8820C   | N/A    | N/A        | Unshielded, 1.8 m |

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

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

| LTE Band 13 Channel and Frequency List |                        |        |        |         |
|----------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                               | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 10                                     | Channel                | -      | 23230  | -       |
|                                        | Frequency              | -      | 782    | -       |
| 5                                      | Channel                | 23205  | 23230  | 23255   |
|                                        | Frequency              | 779.5  | 782    | 784.5   |

| LTE Band 25 Channel and Frequency List |                        |        |        |         |
|----------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                               | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 20                                     | Channel                | 26140  | 26340  | 26590   |
|                                        | Frequency              | 1860   | 1880   | 1905    |
| 15                                     | Channel                | 26115  | 26340  | 26615   |
|                                        | Frequency              | 1857.5 | 1880   | 1907.5  |
| 10                                     | Channel                | 26090  | 26340  | 26640   |
|                                        | Frequency              | 1855   | 1880   | 1910    |
| 5                                      | Channel                | 26065  | 26340  | 26665   |
|                                        | Frequency              | 1852.5 | 1880   | 1912.5  |
| 3                                      | Channel                | 26055  | 26340  | 26675   |
|                                        | Frequency              | 1851.5 | 1880   | 1913.5  |
| 1.4                                    | Channel                | 26047  | 26340  | 26683   |
|                                        | Frequency              | 1850.7 | 1880   | 1914.3  |



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

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

| LTE Band 85 Channel and Frequency List |                        |        |        |         |
|----------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                               | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 10                                     | Channel                | 134052 | 134092 | 134132  |
|                                        | Frequency              | 703    | 707    | 711     |
| 5                                      | Channel                | 134027 | 134092 | 134157  |
|                                        | Frequency              | 700.5  | 707    | 713.5   |

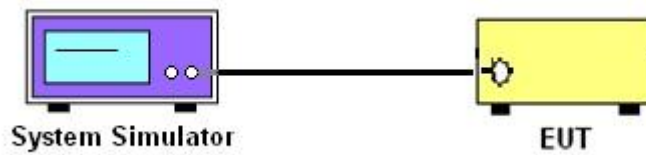
### 3 Conducted Test Items

#### 3.1 Measuring Instruments

See list of measuring instruments of this test report.

#### 3.2 Test Setup

##### 3.2.1 Conducted Output Power



#### 3.3 Test Result of Conducted Test

Please refer to Appendix A.

### 3.4 Conducted Output Power and ERP/EIRP

#### 3.4.1 Description of the Conducted Output Power Measurement and ERP/EIRP Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The ERP of mobile transmitters must not exceed 7 Watts for LTE Band 5 and Band 26.

The ERP of mobile transmitters must not exceed 3 Watts for Band 13, Band 85.

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 25

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

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$ ,  $ERP = EIRP - 2.15$ , where

$P_T$  = transmitter output power in dBm

$G_T$  = gain of the transmitting antenna in dBi

$L_C$  = signal attenuation in the connecting cable between the transmitter and antenna in dB

#### 3.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2
2. The transmitter output port was connected to the system simulator.
3. Set EUT at maximum power through the system simulator.
4. Select lowest, middle, and highest channels for each band and different modulation.
5. Measure and record the power level from the system simulator.

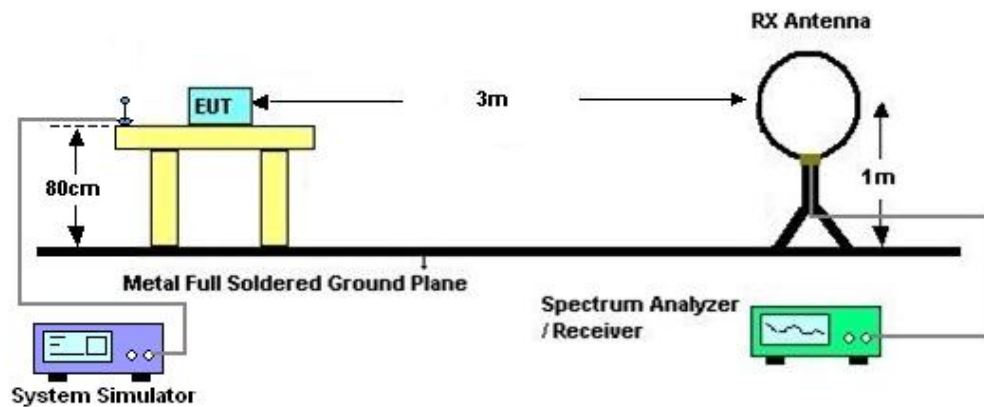
## 4 Radiated Test Items

### 4.1 Measuring Instruments

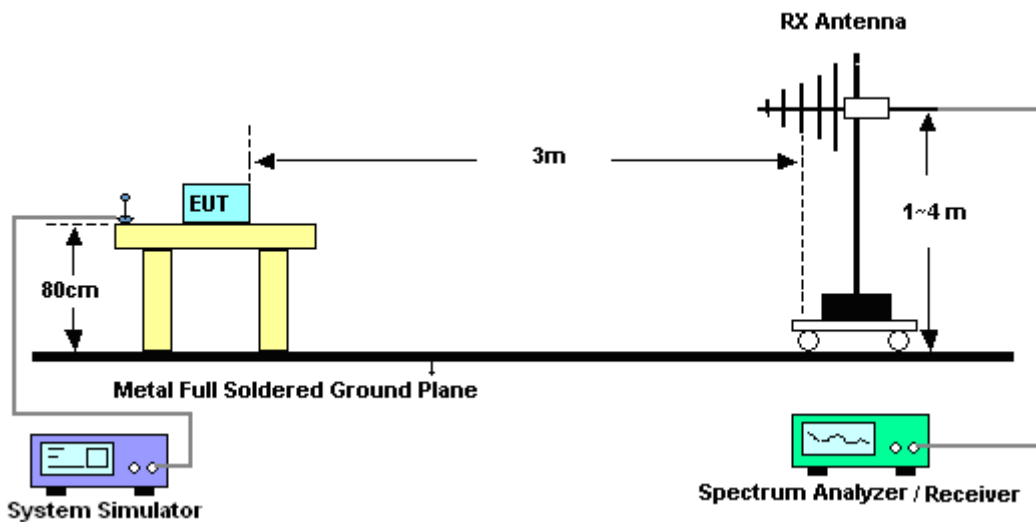
See list of measuring instruments of this test report.

### 4.2 Test Setup

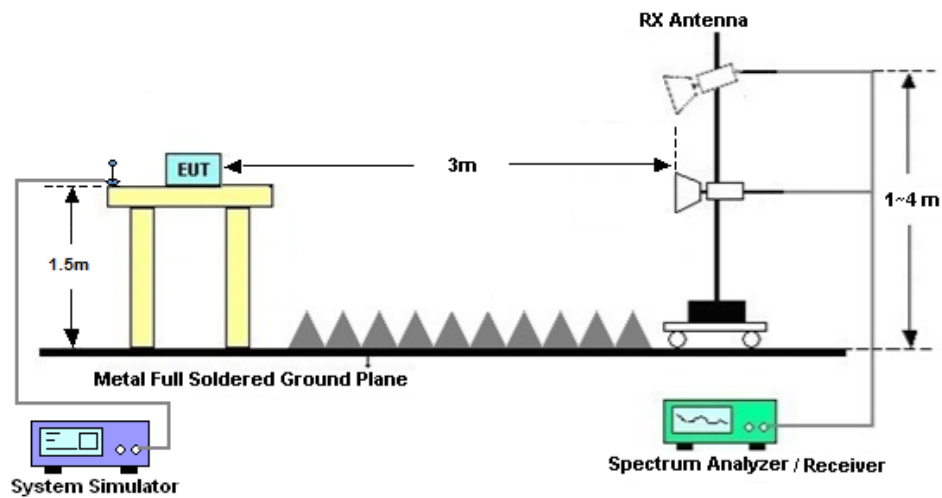
#### 4.2.1 For radiated test below 30MHz



#### 4.2.2 For radiated test from 30MHz to 1GHz



#### 4.2.3 For radiated test above 1GHz



#### 4.3 Test Result of Radiated Test

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

Please refer to Appendix B.

## 4.4 Radiated Spurious Emission

### 4.4.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI C63.26. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least  $43 + 10 \log (P)$  dB.

For LTE Band 13

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to  $-70$  dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and  $-80$  dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

### 4.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
10.  $\text{EIRP (dBm)} = \text{S.G. Power} - \text{Tx Cable Loss} + \text{Tx Antenna Gain}$
11.  $\text{ERP (dBm)} = \text{EIRP} - 2.15$
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from  $43 + 10\log(P)$ dB below the transmitter power P(Watts)  
 $= P(W) - [43 + 10\log(P)] \text{ (dB)}$   
 $= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$   
 $= -13\text{dBm}.$



## 5 List of Measuring Equipment

| Instrument                     | Manufacturer | Model No.  | Serial No.  | Characteristics         | Calibration Date | Test Date     | Due Date      | Remark                |
|--------------------------------|--------------|------------|-------------|-------------------------|------------------|---------------|---------------|-----------------------|
| Spectrum Analyzer              | R&S          | FSV40      | 101040      | 10Hz~40GHz              | Jul. 07, 2025    | Feb. 10, 2026 | Jul. 06, 2026 | Conducted (TH01-KS)   |
| Power divider                  | STI          | STI08-0055 | -           | 0.5~40GHz               | NCR              | Feb. 10, 2026 | NCR           | Conducted (TH01-KS)   |
| Temperature & humidity chamber | Hongzhan     | LP-150U    | H2014011440 | -40~+150°C<br>20%~95%RH | Jul. 02, 2025    | Feb. 10, 2026 | Jul. 01, 2026 | Conducted (TH01-KS)   |
| EXA Spectrum Analyzer          | Keysight     | N9010A     | MY55370528  | 10Hz~44G,MAX 30dB       | Oct. 10, 2025    | Jan. 27, 2026 | Oct. 09, 2026 | Radiation (03CH04-KS) |
| Loop Antenna                   | R&S          | HFH2-Z2E   | 101141      | 9kHz~30MHz              | Dec. 27, 2025    | Jan. 27, 2026 | Dec. 26, 2026 | Radiation (03CH04-KS) |
| Bilog Antenna                  | TeseQ        | CBL6111D   | 44483       | 30MHz~1GHz              | Nov. 22, 2025    | Jan. 27, 2026 | Nov. 21, 2026 | Radiation (03CH04-KS) |
| Double Ridge Horn Antenna      | ETS-Lindgren | 3117       | 00227860    | 1GHz~18GHz              | Aug. 22, 2025    | Jan. 27, 2026 | Aug. 21, 2026 | Radiation (03CH04-KS) |
| SHF-EHF Horn                   | Com-power    | AH-840     | 101070      | 18GHz~40GHz             | Jan. 10, 2026    | Jan. 27, 2026 | Jan. 09, 2027 | Radiation (03CH04-KS) |
| Amplifier                      | SONOMA       | 310N       | 380826      | 9KHz~1GHz               | Jul. 02, 2025    | Jan. 27, 2026 | Jul. 01, 2026 | Radiation (03CH04-KS) |
| Amplifier                      | EM           | EM18G40G A | 060852      | 18~40GHz                | Dec. 24, 2025    | Jan. 27, 2026 | Dec. 23, 2026 | Radiation (03CH04-KS) |
| high gain Amplifier            | EM           | EM01G18G A | 060890      | 1Ghz~18Ghz              | May 23, 2025     | Jan. 27, 2026 | May 22, 2026  | Radiation (03CH04-KS) |
| Amplifier                      | EM           | EM01G18G A | 060892      | 1Ghz~18Ghz              | Oct. 11, 2025    | Jan. 27, 2026 | Oct. 10, 2026 | Radiation (03CH04-KS) |
| AC Power Source                | Chroma       | 61601      | F104090004  | N/A                     | NCR              | Jan. 27, 2026 | NCR           | Radiation (03CH04-KS) |
| Turn Table                     | ChamPro      | EM 1000-T  | 060762-T    | 0~360 degree            | NCR              | Jan. 27, 2026 | NCR           | Radiation (03CH04-KS) |
| Antenna Mast                   | ChamPro      | EM 1000-A  | 060762-A    | 1 m~4 m                 | NCR              | Jan. 27, 2026 | NCR           | Radiation (03CH04-KS) |

NCR: No Calibration Required

## 6 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.26-2015. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

### Uncertainty of Conducted Measurement

| Test Item       | Uncertainty   |
|-----------------|---------------|
| Conducted Power | $\pm 0.90$ dB |

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

|                                                                         |        |
|-------------------------------------------------------------------------|--------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 2.83dB |
|-------------------------------------------------------------------------|--------|

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

|                                                                         |        |
|-------------------------------------------------------------------------|--------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 2.83dB |
|-------------------------------------------------------------------------|--------|

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

|                                                                         |        |
|-------------------------------------------------------------------------|--------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 2.82dB |
|-------------------------------------------------------------------------|--------|

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



## Appendix A. Test Results of Conducted Test

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

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

#### LTE Band 5:

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | ERP(W) |        |        |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|--------|--------|--------|
| Channel         |            |         |           | 20450                 | 20525                    | 20600                  | 23060  | 23095  | 23130  |
| Frequency (MHz) |            |         |           | 829                   | 836.5                    | 844                    | 704    | 707.5  | 711    |
| 10              | QPSK       | 1       | 0         | 22.58                 | 22.61                    | 22.58                  | 0.0661 | 0.0665 | 0.0661 |
| 10              | QPSK       | 1       | 5         | 22.58                 | 22.56                    | 22.59                  | 0.0661 | 0.0658 | 0.0662 |
| 10              | QPSK       | 3       | 0         | 22.45                 | 22.49                    | 22.37                  | 0.0641 | 0.0647 | 0.0630 |
| 10              | QPSK       | 3       | 3         | 22.57                 | 22.61                    | 22.49                  | 0.0659 | 0.0665 | 0.0647 |
| 10              | QPSK       | 6       | 0         | 21.56                 | 21.75                    | 21.83                  | 0.0522 | 0.0546 | 0.0556 |
| 10              | 16QAM      | 1       | 0         | 22.58                 | 22.51                    | 22.51                  | 0.0661 | 0.0650 | 0.0650 |
| 10              | 16QAM      | 1       | 5         | 22.41                 | 22.50                    | 22.53                  | 0.0635 | 0.0649 | 0.0653 |
| 10              | 16QAM      | 3       | 0         | 22.40                 | 22.50                    | 22.38                  | 0.0634 | 0.0649 | 0.0631 |
| 10              | 16QAM      | 3       | 3         | 22.36                 | 22.41                    | 22.44                  | 0.0628 | 0.0635 | 0.0640 |
| 10              | 16QAM      | 5       | 0         | 21.54                 | 21.66                    | 21.70                  | 0.0520 | 0.0535 | 0.0540 |
| Channel         |            |         |           | 20425                 | 20525                    | 20625                  | 20425  | 20525  | 20625  |
| Frequency (MHz) |            |         |           | 826.5                 | 836.5                    | 846.5                  | 826.5  | 836.5  | 846.5  |
| 5               | QPSK       | 1       | 0         | 22.39                 | 22.50                    | 22.50                  | 0.0632 | 0.0649 | 0.0649 |
| 5               | QPSK       | 1       | 5         | 22.39                 | 22.57                    | 22.51                  | 0.0632 | 0.0659 | 0.0650 |
| 5               | QPSK       | 3       | 0         | 21.35                 | 21.64                    | 21.70                  | 0.0498 | 0.0532 | 0.0540 |
| 5               | QPSK       | 3       | 3         | 21.57                 | 21.71                    | 21.65                  | 0.0524 | 0.0541 | 0.0533 |
| 5               | QPSK       | 6       | 0         | 21.42                 | 21.63                    | 21.81                  | 0.0506 | 0.0531 | 0.0553 |
| 5               | 16QAM      | 1       | 0         | 22.49                 | 22.44                    | 22.53                  | 0.0647 | 0.0640 | 0.0653 |
| 5               | 16QAM      | 1       | 5         | 22.57                 | 22.60                    | 22.58                  | 0.0659 | 0.0664 | 0.0661 |
| 5               | 16QAM      | 3       | 0         | 21.54                 | 21.69                    | 21.76                  | 0.0520 | 0.0538 | 0.0547 |
| 5               | 16QAM      | 3       | 3         | 21.49                 | 21.57                    | 21.62                  | 0.0514 | 0.0524 | 0.0530 |
| 5               | 16QAM      | 5       | 0         | 20.51                 | 20.80                    | 20.74                  | 0.0410 | 0.0439 | 0.0433 |
| Channel         |            |         |           | 20415                 | 20525                    | 20635                  | 20415  | 20525  | 20635  |
| Frequency (MHz) |            |         |           | 825.5                 | 836.5                    | 847.5                  | 825.5  | 836.5  | 847.5  |
| 3               | QPSK       | 1       | 0         | 22.43                 | 22.56                    | 22.51                  | 0.0638 | 0.0658 | 0.0650 |
| 3               | QPSK       | 1       | 5         | 22.52                 | 22.56                    | 22.36                  | 0.0652 | 0.0658 | 0.0628 |
| 3               | QPSK       | 3       | 0         | 21.43                 | 21.71                    | 21.67                  | 0.0507 | 0.0541 | 0.0536 |
| 3               | QPSK       | 3       | 3         | 21.36                 | 21.62                    | 21.66                  | 0.0499 | 0.0530 | 0.0535 |
| 3               | QPSK       | 6       | 0         | 20.61                 | 20.80                    | 20.86                  | 0.0420 | 0.0439 | 0.0445 |
| 3               | 16QAM      | 1       | 0         | 21.54                 | 21.57                    | 21.82                  | 0.0520 | 0.0524 | 0.0555 |
| 3               | 16QAM      | 1       | 5         | 21.42                 | 21.64                    | 21.63                  | 0.0506 | 0.0532 | 0.0531 |
| 3               | 16QAM      | 3       | 0         | 20.61                 | 20.73                    | 20.74                  | 0.0420 | 0.0432 | 0.0433 |
| 3               | 16QAM      | 3       | 3         | 20.47                 | 20.69                    | 20.72                  | 0.0406 | 0.0428 | 0.0431 |
| 3               | 16QAM      | 5       | 0         | 20.54                 | 20.87                    | 20.81                  | 0.0413 | 0.0446 | 0.0440 |
| Channel         |            |         |           | 20407                 | 20525                    | 20643                  | 20407  | 20525  | 20643  |
| Frequency (MHz) |            |         |           | 824.7                 | 836.5                    | 848.3                  | 824.7  | 836.5  | 848.3  |
| 1.4             | QPSK       | 1       | 0         | 22.51                 | 22.43                    | 22.47                  | 0.0650 | 0.0638 | 0.0644 |
| 1.4             | QPSK       | 1       | 5         | 22.37                 | 22.49                    | 22.46                  | 0.0630 | 0.0647 | 0.0643 |



|     |       |   |   |       |       |       |        |        |        |
|-----|-------|---|---|-------|-------|-------|--------|--------|--------|
| 1.4 | QPSK  | 3 | 0 | 21.48 | 21.58 | 21.83 | 0.0513 | 0.0525 | 0.0556 |
| 1.4 | QPSK  | 3 | 3 | 21.44 | 21.59 | 21.62 | 0.0508 | 0.0526 | 0.0530 |
| 1.4 | QPSK  | 6 | 0 | 20.44 | 20.66 | 20.88 | 0.0404 | 0.0425 | 0.0447 |
| 1.4 | 16QAM | 1 | 0 | 21.41 | 21.56 | 21.64 | 0.0505 | 0.0522 | 0.0532 |
| 1.4 | 16QAM | 1 | 5 | 21.39 | 21.57 | 21.63 | 0.0502 | 0.0524 | 0.0531 |
| 1.4 | 16QAM | 3 | 0 | 20.52 | 20.75 | 20.80 | 0.0411 | 0.0434 | 0.0439 |
| 1.4 | 16QAM | 3 | 3 | 20.51 | 20.65 | 20.75 | 0.0410 | 0.0424 | 0.0434 |
| 1.4 | 16QAM | 5 | 0 | 20.65 | 20.85 | 20.90 | 0.0424 | 0.0444 | 0.0449 |

## LTE Band 13:

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | ERP(W) |        |        |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|--------|--------|--------|
| Channel         |            |         |           |                       | 23230                    |                        |        | 23230  |        |
| Frequency (MHz) |            |         |           |                       | 782                      |                        |        | 782    |        |
| 10              | QPSK       | 1       | 0         |                       | 22.07                    |                        |        | 0.1153 |        |
| 10              | QPSK       | 1       | 5         |                       | 22.09                    |                        |        | 0.1159 |        |
| 10              | QPSK       | 3       | 0         |                       | 21.98                    |                        |        | 0.1130 |        |
| 10              | QPSK       | 3       | 3         |                       | 21.95                    |                        |        | 0.1122 |        |
| 10              | QPSK       | 6       | 0         |                       | 21.87                    |                        |        | 0.1102 |        |
| 10              | 16QAM      | 1       | 0         |                       | 22.09                    |                        |        | 0.1159 |        |
| 10              | 16QAM      | 1       | 5         |                       | 22.10                    |                        |        | 0.1161 |        |
| 10              | 16QAM      | 3       | 0         |                       | 22.11                    |                        |        | 0.1164 |        |
| 10              | 16QAM      | 3       | 3         |                       | 22.05                    |                        |        | 0.1148 |        |
| 10              | 16QAM      | 5       | 0         |                       | 21.81                    |                        |        | 0.1086 |        |
| Channel         |            |         |           | 23205                 | 23230                    | 23255                  | 23205  | 23230  | 23255  |
| Frequency (MHz) |            |         |           | 779.5                 | 782                      | 784.5                  | 779.5  | 782    | 784.5  |
| 5               | QPSK       | 1       | 0         | 22.13                 | 22.03                    | 22.03                  | 0.1169 | 0.1143 | 0.1143 |
| 5               | QPSK       | 1       | 5         | 21.95                 | 22.03                    | 21.99                  | 0.1122 | 0.1143 | 0.1132 |
| 5               | QPSK       | 3       | 0         | 21.68                 | 21.71                    | 21.58                  | 0.1054 | 0.1062 | 0.1030 |
| 5               | QPSK       | 3       | 3         | 21.72                 | 21.79                    | 21.67                  | 0.1064 | 0.1081 | 0.1052 |
| 5               | QPSK       | 6       | 0         | 21.85                 | 21.80                    | 21.76                  | 0.1096 | 0.1084 | 0.1074 |
| 5               | 16QAM      | 1       | 0         | 22.04                 | 22.11                    | 22.06                  | 0.1146 | 0.1164 | 0.1151 |
| 5               | 16QAM      | 1       | 5         | 22.08                 | 22.01                    | 22.11                  | 0.1156 | 0.1138 | 0.1164 |
| 5               | 16QAM      | 3       | 0         | 21.74                 | 21.79                    | 21.78                  | 0.1069 | 0.1081 | 0.1079 |
| 5               | 16QAM      | 3       | 3         | 21.65                 | 21.68                    | 21.72                  | 0.1047 | 0.1054 | 0.1064 |
| 5               | 16QAM      | 5       | 0         | 20.73                 | 20.91                    | 20.72                  | 0.0847 | 0.0883 | 0.0845 |

## LTE Band 25:

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | EIRP(W) |        |        |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------|--------|--------|
| Channel         |            |         |           | 26140                 | 26340                    | 26590                  | 26140   | 26340  | 26590  |
| Frequency (MHz) |            |         |           | 1860                  | 1880                     | 1905                   | 1860    | 1880   | 1905   |
| 20              | QPSK       | 1       | 0         | 22.72                 | 22.69                    | 22.49                  | 0.2355  | 0.2339 | 0.2234 |
| 20              | QPSK       | 1       | 5         | 22.58                 | 22.57                    | 22.53                  | 0.2280  | 0.2275 | 0.2254 |
| 20              | QPSK       | 3       | 0         | 22.53                 | 22.73                    | 22.58                  | 0.2254  | 0.2360 | 0.2280 |
| 20              | QPSK       | 3       | 3         | 22.59                 | 22.65                    | 22.47                  | 0.2286  | 0.2317 | 0.2223 |
| 20              | QPSK       | 6       | 0         | 22.67                 | 22.58                    | 22.59                  | 0.2328  | 0.2280 | 0.2286 |
| 20              | 16QAM      | 1       | 0         | 22.60                 | 22.69                    | 22.66                  | 0.2291  | 0.2339 | 0.2323 |
| 20              | 16QAM      | 1       | 5         | 22.63                 | 22.62                    | 22.52                  | 0.2307  | 0.2301 | 0.2249 |
| 20              | 16QAM      | 3       | 0         | 22.60                 | 22.52                    | 22.46                  | 0.2291  | 0.2249 | 0.2218 |
| 20              | 16QAM      | 3       | 3         | 22.60                 | 22.67                    | 22.50                  | 0.2291  | 0.2328 | 0.2239 |



|                 |       |   |   |        |       |        |        |        |        |
|-----------------|-------|---|---|--------|-------|--------|--------|--------|--------|
| 20              | 16QAM | 5 | 0 | 22.56  | 22.55 | 22.56  | 0.2270 | 0.2265 | 0.2270 |
| Channel         |       |   |   | 26115  | 26340 | 26615  | 26115  | 26340  | 26615  |
| Frequency (MHz) |       |   |   | 1857.5 | 1880  | 1907.5 | 1857.5 | 1880   | 1907.5 |
| 15              | QPSK  | 1 | 0 | 22.56  | 22.50 | 22.47  | 0.2270 | 0.2239 | 0.2223 |
| 15              | QPSK  | 1 | 5 | 22.36  | 22.38 | 22.36  | 0.2168 | 0.2178 | 0.2168 |
| 15              | QPSK  | 3 | 0 | 22.44  | 22.57 | 22.37  | 0.2208 | 0.2275 | 0.2173 |
| 15              | QPSK  | 3 | 3 | 22.56  | 22.52 | 22.32  | 0.2270 | 0.2249 | 0.2148 |
| 15              | QPSK  | 6 | 0 | 22.63  | 22.51 | 22.44  | 0.2307 | 0.2244 | 0.2208 |
| 15              | 16QAM | 1 | 0 | 22.39  | 22.52 | 22.50  | 0.2183 | 0.2249 | 0.2239 |
| 15              | 16QAM | 1 | 5 | 22.43  | 22.40 | 22.47  | 0.2203 | 0.2188 | 0.2223 |
| 15              | 16QAM | 3 | 0 | 22.56  | 22.43 | 22.35  | 0.2270 | 0.2203 | 0.2163 |
| 15              | 16QAM | 3 | 3 | 22.61  | 22.58 | 22.51  | 0.2296 | 0.2280 | 0.2244 |
| 15              | 16QAM | 5 | 0 | 22.55  | 22.37 | 22.36  | 0.2265 | 0.2173 | 0.2168 |
| Channel         |       |   |   | 26090  | 26340 | 26640  | 26090  | 26340  | 26640  |
| Frequency (MHz) |       |   |   | 1855   | 1880  | 1910   | 1855   | 1880   | 1910   |
| 10              | QPSK  | 1 | 0 | 22.60  | 22.68 | 22.48  | 0.2291 | 0.2333 | 0.2228 |
| 10              | QPSK  | 1 | 5 | 22.54  | 22.45 | 22.37  | 0.2259 | 0.2213 | 0.2173 |
| 10              | QPSK  | 3 | 0 | 22.31  | 22.69 | 22.55  | 0.2143 | 0.2339 | 0.2265 |
| 10              | QPSK  | 3 | 3 | 22.43  | 22.53 | 22.48  | 0.2203 | 0.2254 | 0.2228 |
| 10              | QPSK  | 6 | 0 | 21.66  | 21.78 | 21.58  | 0.1845 | 0.1897 | 0.1811 |
| 10              | 16QAM | 1 | 0 | 22.61  | 22.48 | 22.44  | 0.2296 | 0.2228 | 0.2208 |
| 10              | 16QAM | 1 | 5 | 22.54  | 22.50 | 22.33  | 0.2259 | 0.2239 | 0.2153 |
| 10              | 16QAM | 3 | 0 | 22.58  | 22.40 | 22.46  | 0.2280 | 0.2188 | 0.2218 |
| 10              | 16QAM | 3 | 3 | 22.58  | 22.62 | 22.42  | 0.2280 | 0.2301 | 0.2198 |
| 10              | 16QAM | 5 | 0 | 21.77  | 21.78 | 21.40  | 0.1892 | 0.1897 | 0.1738 |
| Channel         |       |   |   | 26065  | 26340 | 26665  | 26065  | 26340  | 26665  |
| Frequency (MHz) |       |   |   | 1852.5 | 1880  | 1912.5 | 1852.5 | 1880   | 1912.5 |
| 5               | QPSK  | 1 | 0 | 22.57  | 22.50 | 22.41  | 0.2275 | 0.2239 | 0.2193 |
| 5               | QPSK  | 1 | 5 | 22.59  | 22.52 | 22.48  | 0.2286 | 0.2249 | 0.2228 |
| 5               | QPSK  | 3 | 0 | 21.60  | 21.61 | 21.57  | 0.1820 | 0.1824 | 0.1807 |
| 5               | QPSK  | 3 | 3 | 21.79  | 21.66 | 21.42  | 0.1901 | 0.1845 | 0.1746 |
| 5               | QPSK  | 6 | 0 | 21.63  | 21.78 | 21.52  | 0.1832 | 0.1897 | 0.1786 |
| 5               | 16QAM | 1 | 0 | 22.44  | 22.56 | 22.48  | 0.2208 | 0.2270 | 0.2228 |
| 5               | 16QAM | 1 | 5 | 22.52  | 22.44 | 22.53  | 0.2249 | 0.2208 | 0.2254 |
| 5               | 16QAM | 3 | 0 | 21.82  | 21.76 | 21.54  | 0.1914 | 0.1888 | 0.1795 |
| 5               | 16QAM | 3 | 3 | 21.75  | 21.58 | 21.40  | 0.1884 | 0.1811 | 0.1738 |
| 5               | 16QAM | 5 | 0 | 20.79  | 20.66 | 20.54  | 0.1510 | 0.1466 | 0.1426 |
| Channel         |       |   |   | 26055  | 26340 | 26675  | 26055  | 26340  | 26675  |
| Frequency (MHz) |       |   |   | 1851.5 | 1880  | 1913.5 | 1851.5 | 1880   | 1913.5 |
| 3               | QPSK  | 1 | 0 | 22.61  | 22.55 | 22.49  | 0.2296 | 0.2265 | 0.2234 |
| 3               | QPSK  | 1 | 5 | 22.54  | 22.56 | 22.48  | 0.2259 | 0.2270 | 0.2228 |
| 3               | QPSK  | 3 | 0 | 21.73  | 21.57 | 21.43  | 0.1875 | 0.1807 | 0.1750 |
| 3               | QPSK  | 3 | 3 | 21.74  | 21.59 | 21.54  | 0.1879 | 0.1816 | 0.1795 |
| 3               | QPSK  | 6 | 0 | 20.73  | 20.77 | 20.45  | 0.1489 | 0.1503 | 0.1396 |
| 3               | 16QAM | 1 | 0 | 21.64  | 21.62 | 21.50  | 0.1837 | 0.1828 | 0.1778 |
| 3               | 16QAM | 1 | 5 | 21.71  | 21.65 | 21.42  | 0.1866 | 0.1841 | 0.1746 |
| 3               | 16QAM | 3 | 0 | 20.65  | 20.68 | 20.56  | 0.1462 | 0.1472 | 0.1432 |
| 3               | 16QAM | 3 | 3 | 20.69  | 20.75 | 20.58  | 0.1476 | 0.1496 | 0.1439 |
| 3               | 16QAM | 5 | 0 | 20.72  | 20.77 | 20.54  | 0.1486 | 0.1503 | 0.1426 |
| Channel         |       |   |   | 26047  | 26340 | 26683  | 26047  | 26340  | 26683  |
| Frequency (MHz) |       |   |   | 1850.7 | 1880  | 1914.3 | 1850.7 | 1880   | 1914.3 |
| 1.4             | QPSK  | 1 | 0 | 22.69  | 22.63 | 22.41  | 0.2339 | 0.2307 | 0.2193 |
| 1.4             | QPSK  | 1 | 5 | 22.46  | 22.59 | 22.34  | 0.2218 | 0.2286 | 0.2158 |



|     |       |   |   |       |       |       |        |        |        |
|-----|-------|---|---|-------|-------|-------|--------|--------|--------|
| 1.4 | QPSK  | 3 | 0 | 21.61 | 21.75 | 21.59 | 0.1824 | 0.1884 | 0.1816 |
| 1.4 | QPSK  | 3 | 3 | 21.71 | 21.74 | 21.54 | 0.1866 | 0.1879 | 0.1795 |
| 1.4 | QPSK  | 6 | 0 | 20.76 | 20.58 | 20.45 | 0.1500 | 0.1439 | 0.1396 |
| 1.4 | 16QAM | 1 | 0 | 21.76 | 21.72 | 21.47 | 0.1888 | 0.1871 | 0.1766 |
| 1.4 | 16QAM | 1 | 5 | 21.70 | 21.65 | 21.44 | 0.1862 | 0.1841 | 0.1754 |
| 1.4 | 16QAM | 3 | 0 | 20.61 | 20.78 | 20.48 | 0.1449 | 0.1507 | 0.1406 |
| 1.4 | 16QAM | 3 | 3 | 20.84 | 20.63 | 20.52 | 0.1528 | 0.1455 | 0.1419 |
| 1.4 | 16QAM | 5 | 0 | 20.77 | 20.58 | 20.60 | 0.1503 | 0.1439 | 0.1445 |

## LTE Band 26:

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | ERP(W) |        |        |        |
|-----------------|------------|---------|-----------|-----------------------|-----------------------|--------------------------|------------------------|--------|--------|--------|--------|
| Channel         |            |         |           | 26790                 | 26765                 | 26865                    | 26965                  | 26790  | 26765  | 26865  | 26965  |
| Frequency (MHz) |            |         |           | 824                   | 821.5                 | 831.5                    | 841.5                  | 824    | 821.5  | 831.5  | 841.5  |
| 15              | QPSK       | 1       | 0         | 22.45                 | 22.62                 | 22.70                    | 22.55                  | 0.1545 | 0.1607 | 0.1637 | 0.1581 |
| 15              | QPSK       | 1       | 5         | 22.42                 | 22.62                 | 22.68                    | 22.60                  | 0.1535 | 0.1607 | 0.1629 | 0.1600 |
| 15              | QPSK       | 3       | 0         | 22.34                 | 22.51                 | 22.52                    | 22.59                  | 0.1507 | 0.1567 | 0.1570 | 0.1596 |
| 15              | QPSK       | 3       | 3         | 22.41                 | 22.49                 | 22.61                    | 22.47                  | 0.1531 | 0.1560 | 0.1603 | 0.1552 |
| 15              | QPSK       | 6       | 0         | 22.55                 | 22.62                 | 22.66                    | 22.72                  | 0.1581 | 0.1607 | 0.1622 | 0.1644 |
| 15              | 16QAM      | 1       | 0         | 22.51                 | 22.57                 | 22.59                    | 22.68                  | 0.1567 | 0.1589 | 0.1596 | 0.1629 |
| 15              | 16QAM      | 1       | 5         | 22.53                 | 22.57                 | 22.69                    | 22.49                  | 0.1574 | 0.1589 | 0.1633 | 0.1560 |
| 15              | 16QAM      | 3       | 0         | 22.47                 | 22.57                 | 22.59                    | 22.60                  | 0.1552 | 0.1589 | 0.1596 | 0.1600 |
| 15              | 16QAM      | 3       | 3         | 22.42                 | 22.45                 | 22.64                    | 22.44                  | 0.1535 | 0.1545 | 0.1614 | 0.1542 |
| 15              | 16QAM      | 5       | 0         | 22.48                 | 22.57                 | 22.64                    | 22.69                  | 0.1556 | 0.1589 | 0.1614 | 0.1633 |
| Channel         |            |         |           | 26790                 | 26740                 | 26865                    | 26990                  | 26790  | 26740  | 26865  | 26990  |
| Frequency (MHz) |            |         |           | 824                   | 819                   | 831.5                    | 844                    | 824    | 819    | 831.5  | 844    |
| 10              | QPSK       | 1       | 0         | 22.41                 | 22.49                 | 22.48                    | 22.55                  | 0.1531 | 0.1560 | 0.1556 | 0.1581 |
| 10              | QPSK       | 1       | 5         | 22.42                 | 22.48                 | 22.42                    | 22.42                  | 0.1535 | 0.1556 | 0.1535 | 0.1535 |
| 10              | QPSK       | 3       | 0         | 22.21                 | 22.29                 | 22.50                    | 22.59                  | 0.1462 | 0.1489 | 0.1563 | 0.1596 |
| 10              | QPSK       | 3       | 3         | 22.44                 | 22.44                 | 22.44                    | 22.51                  | 0.1542 | 0.1542 | 0.1542 | 0.1567 |
| 10              | QPSK       | 6       | 0         | 21.61                 | 21.61                 | 21.47                    | 21.53                  | 0.1274 | 0.1274 | 0.1233 | 0.1250 |
| 10              | 16QAM      | 1       | 0         | 22.42                 | 22.45                 | 22.45                    | 22.39                  | 0.1535 | 0.1545 | 0.1545 | 0.1524 |
| 10              | 16QAM      | 1       | 5         | 22.41                 | 22.49                 | 22.69                    | 22.48                  | 0.1531 | 0.1560 | 0.1633 | 0.1556 |
| 10              | 16QAM      | 3       | 0         | 22.46                 | 22.46                 | 22.51                    | 22.32                  | 0.1549 | 0.1549 | 0.1567 | 0.1500 |
| 10              | 16QAM      | 3       | 3         | 22.43                 | 22.43                 | 22.63                    | 22.37                  | 0.1538 | 0.1538 | 0.1611 | 0.1517 |
| 10              | 16QAM      | 5       | 0         | 21.63                 | 21.63                 | 21.43                    | 21.67                  | 0.1279 | 0.1279 | 0.1222 | 0.1291 |
| Channel         |            |         |           | 26790                 | 26715                 | 26865                    | 27015                  | 26790  | 26715  | 26865  | 27015  |
| Frequency (MHz) |            |         |           | 824                   | 816.5                 | 831.5                    | 846.5                  | 824    | 816.5  | 831.5  | 846.5  |
| 5               | QPSK       | 1       | 0         | 22.43                 | 22.43                 | 22.50                    | 22.40                  | 0.1538 | 0.1538 | 0.1563 | 0.1528 |
| 5               | QPSK       | 1       | 5         | 22.38                 | 22.38                 | 22.45                    | 22.46                  | 0.1521 | 0.1521 | 0.1545 | 0.1549 |
| 5               | QPSK       | 3       | 0         | 21.58                 | 21.58                 | 21.57                    | 21.64                  | 0.1265 | 0.1265 | 0.1262 | 0.1282 |
| 5               | QPSK       | 3       | 3         | 21.64                 | 21.64                 | 21.52                    | 21.62                  | 0.1282 | 0.1282 | 0.1247 | 0.1276 |
| 5               | QPSK       | 6       | 0         | 21.64                 | 21.64                 | 21.54                    | 21.55                  | 0.1282 | 0.1282 | 0.1253 | 0.1256 |
| 5               | 16QAM      | 1       | 0         | 22.51                 | 22.51                 | 22.58                    | 22.36                  | 0.1567 | 0.1567 | 0.1592 | 0.1514 |
| 5               | 16QAM      | 1       | 5         | 22.48                 | 22.48                 | 22.57                    | 22.28                  | 0.1556 | 0.1556 | 0.1589 | 0.1486 |
| 5               | 16QAM      | 3       | 0         | 21.43                 | 21.43                 | 21.46                    | 21.51                  | 0.1222 | 0.1222 | 0.1230 | 0.1245 |
| 5               | 16QAM      | 3       | 3         | 21.53                 | 21.53                 | 21.44                    | 21.47                  | 0.1250 | 0.1250 | 0.1225 | 0.1233 |
| 5               | 16QAM      | 5       | 0         | 20.57                 | 20.57                 | 20.69                    | 20.64                  | 0.1002 | 0.1002 | 0.1030 | 0.1019 |
| Channel         |            |         |           | 26790                 | 26705                 | 26865                    | 27025                  | 26790  | 26705  | 26865  | 27025  |
| Frequency (MHz) |            |         |           | 824                   | 815.5                 | 831.5                    | 847.5                  | 824    | 815.5  | 831.5  | 847.5  |
| 3               | QPSK       | 1       | 0         | 22.33                 | 22.39                 | 22.39                    | 22.41                  | 0.1503 | 0.1524 | 0.1524 | 0.1531 |



|                 |       |   |   |       |       |       |       |        |        |        |        |
|-----------------|-------|---|---|-------|-------|-------|-------|--------|--------|--------|--------|
| 3               | QPSK  | 1 | 5 | 22.52 | 22.50 | 22.36 | 22.43 | 0.1570 | 0.1563 | 0.1514 | 0.1538 |
| 3               | QPSK  | 3 | 0 | 21.47 | 21.43 | 21.49 | 21.49 | 0.1233 | 0.1222 | 0.1239 | 0.1239 |
| 3               | QPSK  | 3 | 3 | 21.67 | 21.62 | 21.61 | 21.66 | 0.1291 | 0.1276 | 0.1274 | 0.1288 |
| 3               | QPSK  | 6 | 0 | 20.43 | 20.40 | 20.55 | 20.70 | 0.0971 | 0.0964 | 0.0998 | 0.1033 |
| 3               | 16QAM | 1 | 0 | 21.43 | 21.46 | 21.62 | 21.55 | 0.1222 | 0.1230 | 0.1276 | 0.1256 |
| 3               | 16QAM | 1 | 5 | 21.41 | 21.45 | 21.53 | 21.53 | 0.1216 | 0.1227 | 0.1250 | 0.1250 |
| 3               | 16QAM | 3 | 0 | 20.52 | 20.56 | 20.58 | 20.70 | 0.0991 | 0.1000 | 0.1005 | 0.1033 |
| 3               | 16QAM | 3 | 3 | 20.55 | 20.51 | 20.72 | 20.59 | 0.0998 | 0.0989 | 0.1038 | 0.1007 |
| 3               | 16QAM | 5 | 0 | 20.46 | 20.41 | 20.60 | 20.62 | 0.0977 | 0.0966 | 0.1009 | 0.1014 |
| Channel         |       |   |   | 26790 | 26697 | 26865 | 27033 | 26790  | 26697  | 26865  | 27033  |
| Frequency (MHz) |       |   |   | 824   | 814.7 | 831.5 | 848.3 | 824    | 814.7  | 831.5  | 848.3  |
| 1.4             | QPSK  | 1 | 0 | 22.42 | 22.45 | 22.53 | 22.52 | 0.1535 | 0.1545 | 0.1574 | 0.1570 |
| 1.4             | QPSK  | 1 | 5 | 22.51 | 22.50 | 22.51 | 22.39 | 0.1567 | 0.1563 | 0.1567 | 0.1524 |
| 1.4             | QPSK  | 3 | 0 | 21.45 | 21.43 | 21.52 | 21.51 | 0.1227 | 0.1222 | 0.1247 | 0.1245 |
| 1.4             | QPSK  | 3 | 3 | 21.52 | 21.58 | 21.56 | 21.45 | 0.1247 | 0.1265 | 0.1259 | 0.1227 |
| 1.4             | QPSK  | 6 | 0 | 20.53 | 20.61 | 20.72 | 20.79 | 0.0993 | 0.1012 | 0.1038 | 0.1054 |
| 1.4             | 16QAM | 1 | 0 | 21.53 | 21.59 | 21.43 | 21.49 | 0.1250 | 0.1268 | 0.1222 | 0.1239 |
| 1.4             | 16QAM | 1 | 5 | 21.45 | 21.52 | 21.41 | 21.51 | 0.1227 | 0.1247 | 0.1216 | 0.1245 |
| 1.4             | 16QAM | 3 | 0 | 20.55 | 20.62 | 20.59 | 20.69 | 0.0998 | 0.1014 | 0.1007 | 0.1030 |
| 1.4             | 16QAM | 3 | 3 | 20.53 | 20.53 | 20.64 | 20.60 | 0.0993 | 0.0993 | 0.1019 | 0.1009 |
| 1.4             | 16QAM | 5 | 0 | 20.55 | 20.62 | 20.63 | 20.79 | 0.0998 | 0.1014 | 0.1016 | 0.1054 |

## LTE Band 66:

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | EIRP(W) |        |        |  |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|---------|--------|--------|--|
| Channel         |            |         |           | 132072                | 132322                   | 132572                 | 132072  | 132322 | 132572 |  |
| Frequency (MHz) |            |         |           | 1720                  | 1745                     | 1770                   | 1720    | 1745   | 1770   |  |
| 20              | QPSK       | 1       | 0         | 22.58                 | 22.52                    | 22.62                  | 0.1766  | 0.1742 | 0.1782 |  |
| 20              | QPSK       | 1       | 5         | 22.59                 | 22.44                    | 22.51                  | 0.1770  | 0.1710 | 0.1738 |  |
| 20              | QPSK       | 3       | 0         | 22.52                 | 22.55                    | 22.55                  | 0.1742  | 0.1754 | 0.1754 |  |
| 20              | QPSK       | 3       | 3         | 22.44                 | 22.46                    | 22.46                  | 0.1710  | 0.1718 | 0.1718 |  |
| 20              | QPSK       | 6       | 0         | 22.50                 | 22.47                    | 22.63                  | 0.1734  | 0.1722 | 0.1786 |  |
| 20              | 16QAM      | 1       | 0         | 22.42                 | 22.51                    | 22.64                  | 0.1702  | 0.1738 | 0.1791 |  |
| 20              | 16QAM      | 1       | 5         | 22.48                 | 22.49                    | 22.61                  | 0.1726  | 0.1730 | 0.1778 |  |
| 20              | 16QAM      | 3       | 0         | 22.35                 | 22.35                    | 22.86                  | 0.1675  | 0.1675 | 0.1884 |  |
| 20              | 16QAM      | 3       | 3         | 22.46                 | 22.42                    | 22.50                  | 0.1718  | 0.1702 | 0.1734 |  |
| 20              | 16QAM      | 5       | 0         | 22.46                 | 22.46                    | 22.49                  | 0.1718  | 0.1718 | 0.1730 |  |
| Channel         |            |         |           | 132047                | 132322                   | 132597                 | 132047  | 132322 | 132597 |  |
| Frequency (MHz) |            |         |           | 1717.5                | 1745                     | 1772.5                 | 1717.5  | 1745   | 1772.5 |  |
| 15              | QPSK       | 1       | 0         | 22.58                 | 22.45                    | 22.54                  | 0.1766  | 0.1714 | 0.1750 |  |
| 15              | QPSK       | 1       | 5         | 22.50                 | 22.28                    | 22.49                  | 0.1734  | 0.1648 | 0.1730 |  |
| 15              | QPSK       | 3       | 0         | 22.31                 | 22.42                    | 22.43                  | 0.1660  | 0.1702 | 0.1706 |  |
| 15              | QPSK       | 3       | 3         | 22.30                 | 22.36                    | 22.39                  | 0.1656  | 0.1679 | 0.1690 |  |
| 15              | QPSK       | 6       | 0         | 22.47                 | 22.42                    | 22.65                  | 0.1722  | 0.1702 | 0.1795 |  |
| 15              | 16QAM      | 1       | 0         | 22.33                 | 22.35                    | 22.48                  | 0.1667  | 0.1675 | 0.1726 |  |
| 15              | 16QAM      | 1       | 5         | 22.29                 | 22.39                    | 22.52                  | 0.1652  | 0.1690 | 0.1742 |  |
| 15              | 16QAM      | 3       | 0         | 22.30                 | 22.14                    | 22.86                  | 0.1656  | 0.1596 | 0.1884 |  |
| 15              | 16QAM      | 3       | 3         | 22.32                 | 22.35                    | 22.50                  | 0.1663  | 0.1675 | 0.1734 |  |
| 15              | 16QAM      | 5       | 0         | 22.44                 | 22.28                    | 22.32                  | 0.1710  | 0.1648 | 0.1663 |  |
| Channel         |            |         |           | 132022                | 132322                   | 132622                 | 132022  | 132322 | 132622 |  |
| Frequency (MHz) |            |         |           | 1715                  | 1745                     | 1775                   | 1715    | 1745   | 1775   |  |
| 10              | QPSK       | 1       | 0         | 22.44                 | 22.46                    | 22.48                  | 0.1710  | 0.1718 | 0.1726 |  |



|                 |       |   |   |        |        |        |        |        |        |
|-----------------|-------|---|---|--------|--------|--------|--------|--------|--------|
| 10              | QPSK  | 1 | 5 | 22.57  | 22.28  | 22.34  | 0.1762 | 0.1648 | 0.1671 |
| 10              | QPSK  | 3 | 0 | 22.45  | 22.38  | 22.54  | 0.1714 | 0.1687 | 0.1750 |
| 10              | QPSK  | 3 | 3 | 22.28  | 22.26  | 22.39  | 0.1648 | 0.1641 | 0.1690 |
| 10              | QPSK  | 6 | 0 | 21.41  | 21.35  | 21.78  | 0.1349 | 0.1330 | 0.1469 |
| 10              | 16QAM | 1 | 0 | 22.24  | 22.32  | 22.45  | 0.1633 | 0.1663 | 0.1714 |
| 10              | 16QAM | 1 | 5 | 22.37  | 22.39  | 22.42  | 0.1683 | 0.1690 | 0.1702 |
| 10              | 16QAM | 3 | 0 | 22.23  | 22.33  | 22.75  | 0.1629 | 0.1667 | 0.1837 |
| 10              | 16QAM | 3 | 3 | 22.28  | 22.28  | 22.37  | 0.1648 | 0.1648 | 0.1683 |
| 10              | 16QAM | 5 | 0 | 21.27  | 21.37  | 21.74  | 0.1306 | 0.1337 | 0.1455 |
| Channel         |       |   |   | 131997 | 132322 | 132647 | 131997 | 132322 | 132647 |
| Frequency (MHz) |       |   |   | 1712.5 | 1745   | 1777.5 | 1712.5 | 1745   | 1777.5 |
| 5               | QPSK  | 1 | 0 | 22.54  | 22.32  | 22.48  | 0.1750 | 0.1663 | 0.1726 |
| 5               | QPSK  | 1 | 5 | 22.47  | 22.28  | 22.31  | 0.1722 | 0.1648 | 0.1660 |
| 5               | QPSK  | 3 | 0 | 21.25  | 21.43  | 21.85  | 0.1300 | 0.1355 | 0.1493 |
| 5               | QPSK  | 3 | 3 | 21.33  | 21.31  | 21.90  | 0.1324 | 0.1318 | 0.1510 |
| 5               | QPSK  | 6 | 0 | 21.29  | 21.42  | 21.75  | 0.1312 | 0.1352 | 0.1459 |
| 5               | 16QAM | 1 | 0 | 22.26  | 22.51  | 22.44  | 0.1641 | 0.1738 | 0.1710 |
| 5               | 16QAM | 1 | 5 | 22.37  | 22.35  | 22.60  | 0.1683 | 0.1675 | 0.1774 |
| 5               | 16QAM | 3 | 0 | 21.33  | 21.23  | 21.94  | 0.1324 | 0.1294 | 0.1524 |
| 5               | 16QAM | 3 | 3 | 21.34  | 21.35  | 21.84  | 0.1327 | 0.1330 | 0.1489 |
| 5               | 16QAM | 5 | 0 | 20.39  | 20.32  | 20.79  | 0.1067 | 0.1050 | 0.1169 |
| Channel         |       |   |   | 131987 | 132322 | 132657 | 131987 | 132322 | 132657 |
| Frequency (MHz) |       |   |   | 1711.5 | 1745   | 1778.5 | 1711.5 | 1745   | 1778.5 |
| 3               | QPSK  | 1 | 0 | 22.38  | 22.41  | 22.57  | 0.1687 | 0.1698 | 0.1762 |
| 3               | QPSK  | 1 | 5 | 22.38  | 22.23  | 22.30  | 0.1687 | 0.1629 | 0.1656 |
| 3               | QPSK  | 3 | 0 | 21.27  | 21.35  | 21.76  | 0.1306 | 0.1330 | 0.1462 |
| 3               | QPSK  | 3 | 3 | 21.35  | 21.41  | 21.82  | 0.1330 | 0.1349 | 0.1483 |
| 3               | QPSK  | 6 | 0 | 20.29  | 20.31  | 20.97  | 0.1042 | 0.1047 | 0.1219 |
| 3               | 16QAM | 1 | 0 | 21.38  | 21.31  | 21.92  | 0.1340 | 0.1318 | 0.1517 |
| 3               | 16QAM | 1 | 5 | 21.37  | 21.33  | 21.93  | 0.1337 | 0.1324 | 0.1521 |
| 3               | 16QAM | 3 | 0 | 20.24  | 20.43  | 20.78  | 0.1030 | 0.1076 | 0.1167 |
| 3               | 16QAM | 3 | 3 | 20.35  | 20.28  | 20.74  | 0.1057 | 0.1040 | 0.1156 |
| 3               | 16QAM | 5 | 0 | 20.36  | 20.25  | 20.74  | 0.1059 | 0.1033 | 0.1156 |
| Channel         |       |   |   | 131979 | 132322 | 132665 | 131979 | 132322 | 132665 |
| Frequency (MHz) |       |   |   | 1710.7 | 1745   | 1779.3 | 1710.7 | 1745   | 1779.3 |
| 1.4             | QPSK  | 1 | 0 | 22.59  | 22.39  | 22.46  | 0.1770 | 0.1690 | 0.1718 |
| 1.4             | QPSK  | 1 | 5 | 22.47  | 22.23  | 22.32  | 0.1722 | 0.1629 | 0.1663 |
| 1.4             | QPSK  | 3 | 0 | 21.29  | 21.24  | 21.84  | 0.1312 | 0.1297 | 0.1489 |
| 1.4             | QPSK  | 3 | 3 | 21.41  | 21.28  | 21.95  | 0.1349 | 0.1309 | 0.1528 |
| 1.4             | QPSK  | 6 | 0 | 20.45  | 20.31  | 20.96  | 0.1081 | 0.1047 | 0.1216 |
| 1.4             | 16QAM | 1 | 0 | 21.38  | 21.47  | 21.76  | 0.1340 | 0.1368 | 0.1462 |
| 1.4             | 16QAM | 1 | 5 | 21.38  | 21.24  | 21.78  | 0.1340 | 0.1297 | 0.1469 |
| 1.4             | 16QAM | 3 | 0 | 20.24  | 20.44  | 20.85  | 0.1030 | 0.1079 | 0.1186 |
| 1.4             | 16QAM | 3 | 3 | 20.32  | 20.43  | 20.77  | 0.1050 | 0.1076 | 0.1164 |
| 1.4             | 16QAM | 5 | 0 | 20.44  | 20.35  | 20.87  | 0.1079 | 0.1057 | 0.1191 |

**LTE Band 85:**

| BW [MHz]        | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | ERP(W) |        |        |
|-----------------|------------|---------|-----------|-----------------------|--------------------------|------------------------|--------|--------|--------|
| Channel         |            |         |           | 134052                | 134092                   | 134132                 | 23060  | 23095  | 23130  |
| Frequency (MHz) |            |         |           | 703                   | 707                      | 711                    | 704    | 707.5  | 711    |
| 10              | QPSK       | 1       | 0         | 22.86                 | 22.70                    | 22.66                  | 0.0453 | 0.0437 | 0.0433 |
| 10              | QPSK       | 1       | 5         | 22.83                 | 22.65                    | 22.70                  | 0.0450 | 0.0432 | 0.0437 |
| 10              | QPSK       | 3       | 0         | 22.73                 | 22.83                    | 22.79                  | 0.0440 | 0.0450 | 0.0446 |
| 10              | QPSK       | 3       | 3         | 22.79                 | 22.86                    | 22.76                  | 0.0446 | 0.0453 | 0.0443 |
| 10              | QPSK       | 6       | 0         | 21.73                 | 21.84                    | 21.74                  | 0.0349 | 0.0358 | 0.0350 |
| 10              | 16QAM      | 1       | 0         | 22.84                 | 22.78                    | 22.71                  | 0.0451 | 0.0445 | 0.0438 |
| 10              | 16QAM      | 1       | 5         | 22.70                 | 22.76                    | 22.81                  | 0.0437 | 0.0443 | 0.0448 |
| 10              | 16QAM      | 3       | 0         | 22.69                 | 22.71                    | 22.80                  | 0.0436 | 0.0438 | 0.0447 |
| 10              | 16QAM      | 3       | 3         | 22.68                 | 22.69                    | 22.72                  | 0.0435 | 0.0436 | 0.0439 |
| 10              | 16QAM      | 5       | 0         | 21.76                 | 21.75                    | 21.92                  | 0.0352 | 0.0351 | 0.0365 |
| Channel         |            |         |           | 134027                | 134092                   | 134157                 | 23060  | 23095  | 23130  |
| Frequency (MHz) |            |         |           | 700.5                 | 707                      | 713.5                  | 704    | 707.5  | 711    |
| 5               | QPSK       | 1       | 0         | 22.74                 | 22.85                    | 22.86                  | 0.0441 | 0.0452 | 0.0453 |
| 5               | QPSK       | 1       | 5         | 22.83                 | 22.77                    | 22.82                  | 0.0450 | 0.0444 | 0.0449 |
| 5               | QPSK       | 3       | 0         | 21.69                 | 21.82                    | 21.65                  | 0.0346 | 0.0356 | 0.0343 |
| 5               | QPSK       | 3       | 3         | 21.72                 | 21.63                    | 21.53                  | 0.0348 | 0.0341 | 0.0333 |
| 5               | QPSK       | 6       | 0         | 21.61                 | 21.74                    | 21.69                  | 0.0340 | 0.0350 | 0.0346 |
| 5               | 16QAM      | 1       | 0         | 22.82                 | 22.75                    | 22.74                  | 0.0449 | 0.0442 | 0.0441 |
| 5               | 16QAM      | 1       | 5         | 22.69                 | 22.83                    | 22.66                  | 0.0436 | 0.0450 | 0.0433 |
| 5               | 16QAM      | 3       | 0         | 21.55                 | 21.78                    | 21.56                  | 0.0335 | 0.0353 | 0.0336 |
| 5               | 16QAM      | 3       | 3         | 21.58                 | 21.83                    | 21.72                  | 0.0337 | 0.0357 | 0.0348 |
| 5               | 16QAM      | 5       | 0         | 20.79                 | 20.77                    | 20.99                  | 0.0281 | 0.0280 | 0.0294 |



## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

|                 |      |                     |         |
|-----------------|------|---------------------|---------|
| Test Engineer : | Jake | Temperature :       | 21~25°C |
|                 |      | Relative Humidity : | 51~53%  |

| LTE Band 25 / 20MHz / QPSK |                   |              |               |                   |                    |                      |                       |                    |
|----------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                    | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Lowest                     | 3705              | -55.48       | -13           | -42.48            | -67.74             | 2.641                | 14.90                 | H                  |
|                            | 5550              | -55.47       | -13           | -42.47            | -67.33             | 2.94                 | 14.80                 | H                  |
|                            | 7410              | -53.10       | -13           | -40.10            | -62.87             | 3.39                 | 13.16                 | H                  |
|                            | 3705              | -55.41       | -13           | -42.41            | -67.67             | 2.64                 | 14.90                 | V                  |
|                            | 5550              | -55.46       | -13           | -42.46            | -67.32             | 2.94                 | 14.80                 | V                  |
|                            | 7410              | -52.82       | -13           | -39.82            | -62.59             | 3.39                 | 13.16                 | V                  |
| Middle                     | 3750              | -56.06       | -13           | -43.06            | -68.32             | 2.64                 | 14.90                 | H                  |
|                            | 5625              | -55.19       | -13           | -42.19            | -67.05             | 2.94                 | 14.80                 | H                  |
|                            | 7500              | -51.86       | -13           | -38.86            | -61.63             | 3.39                 | 13.16                 | H                  |
|                            | 3750              | -55.70       | -13           | -42.70            | -67.96             | 2.64                 | 14.90                 | V                  |
|                            | 5625              | -55.42       | -13           | -42.42            | -67.28             | 2.94                 | 14.80                 | V                  |
|                            | 7500              | -51.75       | -13           | -38.75            | -61.52             | 3.39                 | 13.16                 | V                  |
| Highest                    | 3795              | -55.95       | -13           | -42.95            | -68.21             | 2.64                 | 14.90                 | H                  |
|                            | 5685              | -55.46       | -13           | -42.46            | -67.32             | 2.94                 | 14.80                 | H                  |
|                            | 7590              | -52.06       | -13           | -39.06            | -61.83             | 3.39                 | 13.16                 | H                  |
|                            | 3795              | -55.82       | -13           | -42.82            | -68.08             | 2.64                 | 14.90                 | V                  |
|                            | 5685              | -55.71       | -13           | -42.71            | -67.57             | 2.94                 | 14.80                 | V                  |
|                            | 7590              | -52.17       | -13           | -39.17            | -61.94             | 3.39                 | 13.16                 | V                  |



| LTE Band 26 / 15MHz / QPSK |                      |                |                  |                         |                          |                            |                               |                       |
|----------------------------|----------------------|----------------|------------------|-------------------------|--------------------------|----------------------------|-------------------------------|-----------------------|
| Channel                    | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>( dBi ) | Polarization<br>(H/V) |
| Lowest                     | 1648                 | -57.49         | -13              | -44.49                  | -64.46                   | 1.58                       | 10.70                         | H                     |
|                            | 2472                 | -56.14         | -13              | -43.14                  | -64.39                   | 2.102                      | 12.50                         | H                     |
|                            | 3296                 | -57.68         | -13              | -44.68                  | -66.57                   | 2.856                      | 13.90                         | H                     |
|                            | 1648                 | -51.96         | -13              | -38.96                  | -58.93                   | 1.58                       | 10.70                         | V                     |
|                            | 2472                 | -57.23         | -13              | -44.23                  | -65.48                   | 2.10                       | 12.50                         | V                     |
|                            | 3296                 | -57.51         | -13              | -44.51                  | -66.40                   | 2.86                       | 13.90                         | V                     |
| Middle                     | 1656                 | -56.99         | -13              | -43.99                  | -63.96                   | 1.58                       | 10.70                         | H                     |
|                            | 2488                 | -59.46         | -13              | -46.46                  | -67.71                   | 2.102                      | 12.50                         | H                     |
|                            | 3320                 | -57.89         | -13              | -44.89                  | -66.78                   | 2.856                      | 13.90                         | H                     |
|                            | 1656                 | -51.21         | -13              | -38.21                  | -58.18                   | 1.58                       | 10.70                         | V                     |
|                            | 2488                 | -55.78         | -13              | -42.78                  | -64.03                   | 2.10                       | 12.50                         | V                     |
|                            | 3320                 | -57.34         | -13              | -44.34                  | -66.23                   | 2.86                       | 13.90                         | V                     |
| Highest                    | 1672                 | -56.98         | -13              | -43.98                  | -63.95                   | 1.58                       | 10.70                         | H                     |
|                            | 2504                 | -58.68         | -13              | -45.68                  | -66.93                   | 2.102                      | 12.50                         | H                     |
|                            | 3336                 | -57.62         | -13              | -44.62                  | -66.51                   | 2.856                      | 13.90                         | H                     |
|                            | 1672                 | -47.27         | -13              | -34.27                  | -54.24                   | 1.58                       | 10.70                         | V                     |
|                            | 2504                 | -55.54         | -13              | -42.54                  | -63.79                   | 2.10                       | 12.50                         | V                     |
|                            | 3336                 | -58.05         | -13              | -45.05                  | -66.94                   | 2.86                       | 13.90                         | V                     |

| LTE Band 13 / 5MHz / QPSK |                      |                |                  |                         |                          |                            |                               |                       |
|---------------------------|----------------------|----------------|------------------|-------------------------|--------------------------|----------------------------|-------------------------------|-----------------------|
| Channel                   | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>( dBi ) | Polarization<br>(H/V) |
| Lowest                    | 1552                 | -64.47         | -13              | -51.47                  | -67.10                   | 1.09                       | 5.87                          | H                     |
|                           | 2328                 | -59.88         | -13              | -46.88                  | -62.28                   | 1.37                       | 5.92                          | H                     |
|                           | 3112                 | -58.01         | -13              | -45.01                  | -61.90                   | 1.64                       | 7.68                          | H                     |
|                           | 1552                 | -61.92         | -13              | -48.92                  | -64.55                   | 1.09                       | 5.87                          | V                     |
|                           | 2328                 | -57.68         | -13              | -44.68                  | -60.08                   | 1.37                       | 5.92                          | V                     |
|                           | 3112                 | -57.27         | -13              | -44.27                  | -61.16                   | 1.64                       | 7.68                          | V                     |
| Middle                    | 1560                 | -64.71         | -42.15           | -22.56                  | -67.34                   | 1.09                       | 5.87                          | H                     |
|                           | 2336                 | -59.35         | -13              | -46.35                  | -61.75                   | 1.37                       | 5.92                          | H                     |
|                           | 3120                 | -56.95         | -13              | -43.95                  | -60.84                   | 1.64                       | 7.68                          | H                     |
|                           | 1560                 | -62.60         | -42.15           | -20.45                  | -65.23                   | 1.09                       | 5.87                          | V                     |
|                           | 2336                 | -57.99         | -13              | -44.99                  | -60.39                   | 1.37                       | 5.92                          | V                     |
|                           | 3120                 | -57.32         | -13              | -44.32                  | -61.21                   | 1.64                       | 7.68                          | V                     |
| Highest                   | 1560                 | -64.62         | -42.15           | -22.47                  | -67.25                   | 1.09                       | 5.87                          | H                     |
|                           | 2344                 | -59.44         | -13              | -46.44                  | -61.84                   | 1.37                       | 5.92                          | H                     |
|                           | 3128                 | -57.49         | -13              | -44.49                  | -61.38                   | 1.64                       | 7.68                          | H                     |
|                           | 1560                 | -63.87         | -42.15           | -21.72                  | -66.50                   | 1.09                       | 5.87                          | V                     |
|                           | 2344                 | -57.99         | -13              | -44.99                  | -60.39                   | 1.37                       | 5.92                          | V                     |
|                           | 3128                 | -57.55         | -13              | -44.55                  | -61.44                   | 1.64                       | 7.68                          | V                     |



| LTE Band 13 / 10MHz / QPSK |                      |                |                  |                         |                          |                            |                             |                       |
|----------------------------|----------------------|----------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                    | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                     | 1552                 | -64.74         | -13              | -51.74                  | -67.37                   | 1.09                       | 5.87                        | H                     |
|                            | 2328                 | -59.59         | -13              | -46.59                  | -61.99                   | 1.37                       | 5.92                        | H                     |
|                            | 3112                 | -57.75         | -13              | -44.75                  | -61.64                   | 1.64                       | 7.68                        | H                     |
|                            | 1552                 | -61.38         | -13              | -48.38                  | -64.01                   | 1.09                       | 5.87                        | V                     |
|                            | 2328                 | -58.06         | -13              | -45.06                  | -60.46                   | 1.37                       | 5.92                        | V                     |
|                            | 3112                 | -57.38         | -13              | -44.38                  | -61.27                   | 1.64                       | 7.68                        | V                     |

| LTE Band 66 / 20MHz / QPSK |                      |                 |                  |                         |                          |                            |                             |                       |
|----------------------------|----------------------|-----------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                    | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                     | 3420                 | -57.28          | -13              | -44.28                  | -68.02                   | 2.604                      | 13.34                       | H                     |
|                            | 5130                 | -54.77          | -13              | -41.77                  | -65.28                   | 3.011                      | 13.52                       | H                     |
|                            | 6840                 | -53.89          | -13              | -40.89                  | -64.09                   | 3.271                      | 13.47                       | H                     |
|                            | 3420                 | -56.78          | -13              | -43.78                  | -67.52                   | 2.604                      | 13.34                       | V                     |
|                            | 5130                 | -54.58          | -13              | -41.58                  | -65.09                   | 3.011                      | 13.52                       | V                     |
|                            | 6840                 | -54.29          | -13              | -41.29                  | -64.49                   | 3.271                      | 13.47                       | V                     |
| Middle                     | 3465                 | -57.30          | -13              | -44.30                  | -68.04                   | 2.604                      | 13.34                       | H                     |
|                            | 5205                 | -55.14          | -13              | -42.14                  | -65.65                   | 3.011                      | 13.52                       | H                     |
|                            | 6945                 | -54.23          | -13              | -41.23                  | -64.43                   | 3.271                      | 13.47                       | H                     |
|                            | 3465                 | -57.34          | -13              | -44.34                  | -68.08                   | 2.604                      | 13.34                       | V                     |
|                            | 5205                 | -55.21          | -13              | -42.21                  | -65.72                   | 3.011                      | 13.52                       | V                     |
|                            | 6945                 | -54.03          | -13              | -41.03                  | -64.23                   | 3.271                      | 13.47                       | V                     |
| Highest                    | 3525                 | -57.88          | -13              | -44.88                  | -68.62                   | 2.604                      | 13.34                       | H                     |
|                            | 5280                 | -55.33          | -13              | -42.33                  | -65.84                   | 3.011                      | 13.52                       | H                     |
|                            | 7050                 | -54.00          | -13              | -41.00                  | -64.20                   | 3.271                      | 13.47                       | H                     |
|                            | 3525                 | -57.88          | -13              | -44.88                  | -68.62                   | 2.604                      | 13.34                       | V                     |
|                            | 5280                 | -54.79          | -13              | -41.79                  | -65.30                   | 3.011                      | 13.52                       | V                     |
|                            | 7050                 | -54.19          | -13              | -41.19                  | -64.39                   | 3.271                      | 13.47                       | V                     |



| LTE Band 85 / 10MHz / QPSK |                      |                |                  |                         |                          |                            |                               |                       |
|----------------------------|----------------------|----------------|------------------|-------------------------|--------------------------|----------------------------|-------------------------------|-----------------------|
| Channel                    | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>( dBi ) | Polarization<br>(H/V) |
| Lowest                     | 1392                 | -65.10         | -13              | -52.10                  | -72.07                   | 1.58                       | 10.70                         | H                     |
|                            | 2096                 | -60.75         | -13              | -47.75                  | -69.00                   | 2.102                      | 12.50                         | H                     |
|                            | 2792                 | -57.24         | -13              | -44.24                  | -66.13                   | 2.856                      | 13.90                         | H                     |
|                            | 1392                 | -64.77         | -13              | -51.77                  | -71.74                   | 1.58                       | 10.70                         | V                     |
|                            | 2096                 | -55.60         | -13              | -42.60                  | -63.85                   | 2.10                       | 12.50                         | V                     |
|                            | 2792                 | -57.14         | -13              | -44.14                  | -66.03                   | 2.86                       | 13.90                         | V                     |
| Middle                     | 1408                 | -65.63         | -13              | -52.63                  | -72.60                   | 1.58                       | 10.70                         | H                     |
|                            | 2104                 | -60.89         | -13              | -47.89                  | -69.14                   | 2.102                      | 12.50                         | H                     |
|                            | 2808                 | -57.48         | -13              | -44.48                  | -66.37                   | 2.856                      | 13.90                         | H                     |
|                            | 1408                 | -65.17         | -13              | -52.17                  | -72.14                   | 1.58                       | 10.70                         | V                     |
|                            | 2104                 | -59.40         | -13              | -46.40                  | -67.65                   | 2.10                       | 12.50                         | V                     |
|                            | 2808                 | -56.83         | -13              | -43.83                  | -65.72                   | 2.86                       | 13.90                         | V                     |
| Highest                    | 1416                 | -65.57         | -13              | -52.57                  | -72.54                   | 1.58                       | 10.70                         | H                     |
|                            | 2120                 | -60.16         | -13              | -47.16                  | -68.41                   | 2.102                      | 12.50                         | H                     |
|                            | 2824                 | -57.42         | -13              | -44.42                  | -66.31                   | 2.856                      | 13.90                         | H                     |
|                            | 1416                 | -64.77         | -13              | -51.77                  | -71.74                   | 1.58                       | 10.70                         | V                     |
|                            | 2120                 | -53.33         | -13              | -40.33                  | -61.58                   | 2.10                       | 12.50                         | V                     |
|                            | 2824                 | -57.16         | -13              | -44.16                  | -66.05                   | 2.86                       | 13.90                         | V                     |

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