



# RF Test Report

For

**Applicant Name:** Xwireless LLC  
**Address:** 11565 Old Georgetown Road, Rockville, MD, USA  
**EUT Name:** Mobile Phone  
**Brand Name:** Vortex  
**Model Number:** V3

## Issued By

**Company Name:** BTF Testing Lab (Shenzhen) Co., Ltd.  
**Address:** F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China

**Report Number:** BTF231114R00404  
**Test Standards:** FCC CFR Title 47 Part 2  
FCC CFR Title 47 Part22  
FCC CFR Title 47 Part24  
FCC CFR Title 47 Part27  
FCC CFR Title 47 Part90  
**Test Conclusion:** Pass  
**FCC ID:** 2ADLJ-V3  
**Test Date:** 2023-11-05 to 2023-11-20  
**Date of Issue:** 2023-11-21

**Prepared By:**

  
Chris Liu / Project Engineer  
2023-11-21

**Date:**

**Approved By:**

  
Ryan.CJ / EMC Manager  
2023-11-21

**Date:**

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| Revision History |            |                                                                              |
|------------------|------------|------------------------------------------------------------------------------|
| Version          | Issue Date | Revisions Content                                                            |
| R_V0             | 2023-11-21 | Original                                                                     |
|                  |            |                                                                              |
| Note:            |            | Once the revision has been made, then previous versions reports are invalid. |

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## 1. Introduction

### 1.1 Identification of Testing Laboratory

|               |                                                                                                                                     |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Company Name: | BTF Testing Lab (Shenzhen) Co., Ltd.                                                                                                |
| Address:      | F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China |
| Phone Number: | +86-0755-23146130                                                                                                                   |
| Fax Number:   | +86-0755-23146130                                                                                                                   |

### 1.2 Identification of the Responsible Testing Location

|                          |                                                                                                                                                                                                                    |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Location:           | BTF Testing Lab (Shenzhen) Co., Ltd.                                                                                                                                                                               |
| Address:                 | F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China                                                                                |
| Description:             | All measurement facilities used to collect the measurement data are located at F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China |
| FCC Registration Number: | 518915                                                                                                                                                                                                             |
| Designation Number:      | CN1330                                                                                                                                                                                                             |

### 1.3 Laboratory Condition

|                            |                    |
|----------------------------|--------------------|
| Ambient Temperature:       | 20°C to 35°C       |
| Ambient Relative Humidity: | 45% to 55%         |
| Ambient Pressure:          | 100 kPa to 102 kPa |

### 1.4 Announcement

- (1) The test report reference to the report template version v0.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing, reviewing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) This document may not be altered or revised in any way unless done so by BTF and all revisions are duly noted in the revisions section.
- (5) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- (6) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

## 2. Product Information

### 2.1 Application Information

|               |                                               |
|---------------|-----------------------------------------------|
| Company Name: | Xwireless LLC                                 |
| Address:      | 11565 Old Georgetown Road, Rockville, MD, USA |

### 2.2 Manufacturer Information

|               |                                               |
|---------------|-----------------------------------------------|
| Company Name: | Xwireless LLC                                 |
| Address:      | 11565 Old Georgetown Road, Rockville, MD, USA |

### 2.3 Factory Information

|               |                                                                                                        |
|---------------|--------------------------------------------------------------------------------------------------------|
| Company Name: | ZTECH COMMUNICATION(SZ) CO LTD                                                                         |
| Address:      | FL 7 BLOCK D BAO'AN ZHIGU INNOVATION PARK YIN'TIAN ROAD<br>NO.4 XI'XIANG STR' BAO'AN DISTRICT SZ CHINA |

### 2.4 General Description of Equipment under Test (EUT)

|                               |              |
|-------------------------------|--------------|
| EUT Name                      | Mobile Phone |
| Under Test Model Name         | V3           |
| Hardware Version              | V39-MB-V1.0  |
| Software and Firmware Version | N/A          |

## 2.5 Technical Information

The requirement for the following technical information of the EUT was tested in this report:

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Operating Bands    | GSM/GPRS/EGPRS 850/1900 MHz<br>WCDMA/HSDPA/HSUPA Band 2/4/5<br>FDD LTE Band 2/4/5/12/13/25/26/41/66/71                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |
| Modulation Type    | GPRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | GMSK  |
|                    | EGPRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 8PSK  |
|                    | WCDMA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | QPSK  |
|                    | HSDPA/HSUPA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | QPSK  |
|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 16QAM |
|                    | LTE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | QPSK  |
|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 16QAM |
| TX Frequency Range | GPRS/EGPRS 850: 824.2 MHz ~ 848.8 MHz<br>GPRS/EGPRS 1900: 1850.2 MHz ~ 1909.8 MHz<br>WCDMA/HSDPA/HSUPA Band 2: 1852.4 MHz ~ 1907.6 MHz<br>WCDMA/HSDPA/HSUPA Band 4: 1712.4 MHz ~ 1752.6 MHz<br>WCDMA/HSDPA/HSUPA Band 5: 826.4 MHz ~ 846.6 MHz<br>FDD LTE Band 2: 1850.7 MHz ~ 1909.3 MHz<br>FDD LTE Band 4: 1710.7 MHz ~ 1754.3 MHz<br>FDD LTE Band 5: 824.7 MHz ~ 848.3 MHz<br>FDD LTE Band 12: 699.7 MHz ~ 715.3 MHz<br>FDD LTE Band 13: 779.5 MHz ~ 784.5 MHz<br>FDD LTE Band 25: 1850.7 MHz ~ 1914.3 MHz<br>FDD LTE Band 26: 814.7 MHz ~ 848.3 MHz<br>TDD LTE Band 41: 2498.5 MHz ~ 2687.5 MHz<br>FDD LTE Band 66: 1710.7 MHz ~ 1779.3 MHz<br>FDD LTE Band 71: 665.5 MHz ~ 695.5 MHz |       |
| Rx Frequency Range | GPRS/EGPRS 850: 869.2 MHz ~ 893.8 MHz<br>GPRS/EGPRS 1900: 1930.2 MHz ~ 1989.8 MHz<br>WCDMA/HSDPA/HSUPA Band 2: 1932.4 MHz ~ 1987.6 MHz<br>WCDMA/HSDPA/HSUPA Band 4: 2112.4 MHz ~ 2152.6 MHz<br>WCDMA/HSDPA/HSUPA Band 5: 871.4 MHz ~ 891.6 MHz<br>FDD LTE Band 2: 1930.7 MHz ~ 1989.3 MHz<br>FDD LTE Band 4: 2110.7 MHz ~ 2154.3 MHz<br>FDD LTE Band 5: 869.7 MHz ~ 893.3 MHz<br>FDD LTE Band 12: 729.7 MHz ~ 745.3 MHz<br>FDD LTE Band 13: 748.5 MHz ~ 753.5 MHz<br>FDD LTE Band 25: 1930.7 MHz ~ 1994.3 MHz                                                                                                                                                                             |       |

|                 |                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | FDD LTE Band 26: 859.7 MHz ~893.3 MHz<br>FDD LTE Band 41 :2498.5 MHz ~ 2687.5MHz<br>FDD LTE Band 66: 2110.7 MHz ~ 2179.3 MHz<br>FDD LTE Band 71: 619.5 MHz ~649.5 MHz                                                                                                                                                                                                   |
| Power Class     | GPRS 850: 4<br>GPRS 1900: 1<br>EGPRS 850/1900: E2<br>WCDMA/HSDPA/HSUPA Band 2: 3<br>WCDMA/HSDPA/HSUPA Band 4: 3<br>WCDMA/HSDPA/HSUPA Band 5: 3<br>FDD LTE Band 2: 3<br>FDD LTE Band 4: 3<br>FDD LTE Band 5: 3<br>FDD LTE Band 12: 3<br>FDD LTE Band 13: 3<br>FDD LTE Band 25: 3<br>FDD LTE Band 26: 3<br>FDD LTE Band 41: 3<br>FDD LTE Band 66: 3<br>FDD LTE Band 71: 3 |
| Multislot Class | GPRS/EGPRS: 12                                                                                                                                                                                                                                                                                                                                                          |
| Antenna Type    | PIFA Antenna                                                                                                                                                                                                                                                                                                                                                            |

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |                     |                     |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|
| Antenna Gain                       | GSM850<br>0.44dBi                                                                                                                                                                                                                                                                                                                                                                                                                                                     | GSM1900<br>0.34dBi  | WCDMA B2<br>0.34dBi | WCDMA B4<br>0.32dBi |
|                                    | WCDMA B5<br>0.44dBi                                                                                                                                                                                                                                                                                                                                                                                                                                                   | LTE B2<br>0.0.34dBi | LTE B4<br>0.32dBi   | LTE B5<br>0.44dBi   |
|                                    | LTE B12<br>0.42dBi                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LTE B13<br>0.43dBi  | LTE B25<br>0.34dBi  | LTE B26<br>0.44dBi  |
|                                    | LTE B41<br>0.50dBi                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LTE B66<br>0.32dBi  | LTE B71<br>0.41dBi  |                     |
| The Max RF Output Power (EIRP/ERP) | GSM850: 29.74dBm<br>GSM1900: 30.24dBm<br>WCDMA Band II:19.99dBm<br>WCDMA Band IV: 21.60dBm<br>WCDMA Band V: 20.33dBm<br>LTE Band 2: 19.95dBm<br>LTE Band 4: 20.37dBm<br>LTE Band 5: 22.06 dBm<br>FDD LTE Band 12: 20.14dBm<br>FDD LTE Band 13: 20.54dBm<br>FDD LTE Band 25: 23.05dBm<br>FDD LTE Band 26a: 21.73dBm<br>FDD LTE Band 26b: 20.23dBm<br>FDD LTE Band 26c: 18.54dBm<br>FDD LTE Band 41: 22.76dBm<br>FDD LTE Band 66: 18.31dBm<br>FDD LTE Band 71: 18.55dBm |                     |                     |                     |

Note: The EUT information are declared by manufacturer. For more detailed features description, please refer to the manufacturer's specifications or user's manual.

### 3. Summary of Test Results

#### 3.1 Test Standards

| No. | Identity                 | Document Title                                                                               |
|-----|--------------------------|----------------------------------------------------------------------------------------------|
| 1   | 47 CFR Part 2            | Frequency Allocations and Radio Treaty Matters;<br>General Rules and Regulations             |
| 2   | 47 CFR Part 22 Subpart H | Cellular Radiotelephone Service                                                              |
| 3   | 47 CFR Part 24 Subpart E | Broadband PCS                                                                                |
| 4   | 47 CFR Part 27           | Miscellaneous Wireless Communications Services                                               |
| 5   | ANSI/TIA-603-E-2016      | Land Mobile FM or PM Communications Equipment<br>Measurement and Performance Standards       |
| 6   | KDB 971168 D01 v03r01    | Measurement Guidance for Certification of Licensed Digital<br>Transmitters                   |
| 7   | ANSI C63.26:2015         | IEEE/ANSI Standard for Compliance Testing of Transmitters<br>Used in Licensed Radio Services |

### 3.2 Summary of Test Result

| No. | Description                            | FCC Part No.                              | Test Verdict | Remark |
|-----|----------------------------------------|-------------------------------------------|--------------|--------|
| 1   | Conducted RF Output Power              | 2.1046                                    | Pass         | --     |
| 2   | Effective (Isotropic) Radiated Power   | 2.1046<br>22.913(a)<br>24.232(c)<br>27.50 | Pass         | --     |
| 3   | Spurious Emission at Antenna Terminals | 2.1051<br>22.917<br>24.238<br>27.53       | Pass         | --     |
| 4   | Field Strength of Spurious Radiation   | 2.1053<br>22.917<br>24.238<br>27.53       | Pass         | --     |

### 3.3 Uncertainty of Test

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2 and TR100 028-1/-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k=2$ .

| Measurement                  | Value   |
|------------------------------|---------|
| RF output power, conducted   | 0.63 dB |
| Conducted spurious emissions | 0.94 dB |
| Radiated emissions (<1 GHz)  | 4.12 dB |
| Radiated emissions (>1 GHz)  | 4.16 dB |
| Occupied Channel Bandwidth   | 69 KHz  |
| Frequency Stability          | 0.4 KHz |
| Temperature                  | 0.82 °C |
| Humidity                     | 4.1 %   |

## 4. Test Configuration

### 4.1 Environment Condition

During the measurement, the environmental conditions were within the listed ranges:

|                             |                         |        |
|-----------------------------|-------------------------|--------|
| Test Voltage of the EUT     | NV (Normal Voltage)     | 3.85 V |
|                             | LV (Low Voltage)        | 3.47 V |
|                             | HV (High Voltage)       | 4.24 V |
| Test Temperature of the EUT | NT (Normal Temperature) | +25 °C |
|                             | LT (Low Temperature)    | -30 °C |
|                             | HT (High Temperature)   | +50 °C |

### 4.2 Test Equipment List

| Conducted Method Test                              |                                                 |           |             |            |            |     |
|----------------------------------------------------|-------------------------------------------------|-----------|-------------|------------|------------|-----|
| Description                                        | Manufacturer                                    | Model     | Serial No.  | Cal. Date  | Cal. Due   | Use |
| MXA Signal Analyzer                                | KEYSIGHT                                        | N9020A    | MY50410020  | 2022.11.24 | 2023.11.23 | ☑   |
| WIDEBAND RADIO COMMUNICATION TESTER                | Rohde & Schwarz                                 | CMW500    | 161997      | 2022.11.24 | 2023.11.23 | ☑   |
| Adjustable Direct Current Regulated Power Supply   | Dongguan Tongmen Electronic Technology Co., LTD | etm-6050c | 20211026123 | 2022.11.24 | 2023.11.23 | ☑   |
| Programmable constant temperature and humidity box | ZZCKONG                                         | ZZ-K02A   | 20210928007 | 2022.11.24 | 2023.11.23 | ☑   |
| RF Sensor Unit                                     | Techy                                           | TR1029-2  | /           | 2022.11.24 | 2023.11.23 | ☑   |
| RF Control Unit                                    | Techy                                           | TR1029-1  | /           | 2022.11.24 | 2023.11.23 | ☑   |
| RFTest software                                    | /                                               | V1.00     | /           | /          | /          | ☑   |

| Radiated Method Test  |               |              |            |            |            |     |
|-----------------------|---------------|--------------|------------|------------|------------|-----|
| Description           | Manufacturer  | Model        | Serial No. | Cal. Date  | Cal. Due   | Use |
| SIGNAL ANALYZER       | ROHDE&SCHWARZ | FSQ40        | 100010     | 2022.11.24 | 2023.11.23 | ☑   |
| EMI TEST RECEIVER     | ROHDE&SCHWARZ | ESCI7        | 101032     | 2022.11.24 | 2023.11.23 | ☑   |
| Log periodic antenna  | SCHWARZBECK   | VULB 9168    | 01328      | 2021.11.28 | 2023.11.27 | ☑   |
| Horn Antenna          | SCHWARZBECK   | BBHA9170     | 01157      | 2021.11.28 | 2023.11.27 | ☑   |
| POSITIONAL CONTROLLER | SKET          | PCI-GPIB     | /          | /          | /          | ☑   |
| RE Cable              | REBES Talent  | UF2-NMNM-10m | 21101570   | 2022.11.24 | 2023.11.23 | ☑   |

|                             |              |                 |              |            |            |   |
|-----------------------------|--------------|-----------------|--------------|------------|------------|---|
| RE Cable                    | REBES Talent | UF1-SMASMAM-10m | 21101566     | 2022.11.24 | 2023.11.23 | ☒ |
| RE Cable                    | REBES Talent | UF2-NMNM-2.5m   | 21101573     | 2022.11.24 | 2023.11.23 | ☒ |
| RE Cable                    | REBES Talent | UF2-NMNM-1m     | 21101576     | 2022.11.24 | 2023.11.23 | ☒ |
| RE Cable                    | REBES Talent | UF1-SMASMAM-1m  | 21101568     | 2022.11.24 | 2023.11.23 | ☒ |
| RE Cable                    | REBES Talent | UF2-NMNM-10m    | 21101570     | 2022.11.24 | 2023.11.23 | ☒ |
| RE Cable                    | REBES Talent | UF1-SMASMAM-10m | 21101566     | 2022.11.24 | 2023.11.23 | ☒ |
| Preamplifier                | SCHWARZBECK  | BBV9744         | 00246        | 2022.11.24 | 2023.11.23 | ☒ |
| Horn Antenna                | Schwarzbeck  | BBHA9120D       | 2597         | 2023.3.26  | 2024.3.25  | ☒ |
| Low Noise Pre-amplifier     | Sket         | LNPA_1840G-50   | SK2022032902 | 2023.3.26  | 2024.3.25  | ☒ |
| Coaxial cable Multiflex 141 | Schwarzbeck  | N/SMA 0.5m      | 517386       | 2023.3.26  | 2024.3.25  | ☒ |
| Broadband Preamplifier      | Schwarzbeck  | BBV9718D        | 00008        | 2023.3.26  | 2024.3.25  | ☒ |

### 4.3 Test Auxiliary Equipment

| Description | Manufacturer | Model | Serial No. | Length | Description | Use |
|-------------|--------------|-------|------------|--------|-------------|-----|
| /           | /            | /     | /          | /      | /           | ☒   |

#### 4.4 Test Configurations

| Test Items                                | Test Mode    | Test Channel |     |     |
|-------------------------------------------|--------------|--------------|-----|-----|
|                                           |              | LCH          | MCH | HCH |
| Effective (Isotropic)<br>Radiated Power   | GPRS 850     | v            | v   | v   |
|                                           | GPRS 1900    | v            | v   | v   |
|                                           | EGPRS 850    | v            | v   | v   |
|                                           | EGPRS 1900   | v            | v   | v   |
|                                           | WCDMA Band 2 | v            | v   | v   |
|                                           | WCDMA Band 4 | v            | v   | v   |
|                                           | WCDMA Band 5 | v            | v   | v   |
|                                           | HSDPA Band 2 | v            | v   | v   |
|                                           | HSDPA Band 4 | v            | v   | v   |
|                                           | HSDPA Band 5 | v            | v   | v   |
|                                           | HSUPA Band 2 | v            | v   | v   |
|                                           | HSUPA Band 4 | v            | v   | v   |
|                                           | HSUPA Band 5 | v            | v   | v   |
| Spurious Emission at<br>Antenna Terminals | GPRS 850     | v            | v   | v   |
|                                           | GPRS 1900    | v            | v   | v   |
|                                           | EGPRS 850    | v            | v   | v   |
|                                           | EGPRS 1900   | v            | v   | v   |
|                                           | WCDMA Band 2 | v            | v   | v   |
|                                           | WCDMA Band 4 | v            | v   | v   |
|                                           | WCDMA Band 5 | v            | v   | v   |
|                                           | HSDPA Band 2 | v            | v   | v   |
|                                           | HSDPA Band 4 | v            | v   | v   |
|                                           | HSDPA Band 5 | v            | v   | v   |
|                                           | HSUPA Band 2 | v            | v   | v   |
|                                           | HSUPA Band 4 | v            | v   | v   |
|                                           | HSUPA Band 5 | v            | v   | v   |
| Field Strength of<br>Spurious Radiation   | GPRS 850     | v            | v   | v   |
|                                           | GPRS 1900    | v            | v   | v   |
|                                           | EGPRS 850    | v            | v   | v   |
|                                           | EGPRS 1900   | v            | v   | v   |
|                                           | WCDMA Band 2 | v            | v   | v   |
|                                           | WCDMA Band 4 | v            | v   | v   |
|                                           | WCDMA Band 5 | v            | v   | v   |
|                                           | HSDPA Band 2 | v            | v   | v   |
|                                           | HSDPA Band 4 | v            | v   | v   |

|                                                                           |              |   |   |   |
|---------------------------------------------------------------------------|--------------|---|---|---|
|                                                                           | HSDPA Band 5 | v | v | v |
|                                                                           | HSUPA Band 2 | v | v | v |
|                                                                           | HSUPA Band 4 | v | v | v |
|                                                                           | HSUPA Band 5 | v | v | v |
| Note 1: The mark “v” means that this configuration is chosen for testing. |              |   |   |   |

| Test Mode       | UL Channel     | UL Channel No. | UL Frequency (MHz) |
|-----------------|----------------|----------------|--------------------|
| GPRS/EGPRS 850  | Low Channel    | 128            | 824.2              |
|                 | Middle Channel | 190            | 836.6              |
|                 | High Channel   | 251            | 848.8              |
| GPRS/EGPRS 1900 | Low Channel    | 512            | 1850.2             |
|                 | Middle Channel | 661            | 1880.0             |
|                 | High Channel   | 810            | 1909.8             |
| WCDMA Band 2    | Low Channel    | 9262           | 1852.4             |
|                 | Middle Channel | 9400           | 1880.0             |
|                 | High Channel   | 9538           | 1907.6             |
| WCDMA Band 4    | Low Channel    | 1312           | 1712.4             |
|                 | Middle Channel | 1413           | 1732.6             |
|                 | High Channel   | 1513           | 1752.6             |
| WCDMA Band 5    | Low Channel    | 4132           | 826.4              |
|                 | Middle Channel | 4182           | 836.4              |
|                 | High Channel   | 4233           | 846.6              |

| LTE<br>Band                          | Bandwidth (MHz) |   |   |    |    |    | Modulation Type |        | RB# |      |      | Test Channel |     |     |
|--------------------------------------|-----------------|---|---|----|----|----|-----------------|--------|-----|------|------|--------------|-----|-----|
|                                      | 1.4             | 3 | 5 | 10 | 15 | 20 | QPSK            | 16-QAM | 1   | Half | Full | LCH          | MCH | HCH |
| Effective (Isotropic) Radiated Power |                 |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 2                                    | v               | v | v | v  | v  | v  | v               | v      | v   | v    | v    | v            | v   | v   |
| 4                                    | v               | v | v | v  | v  | v  | v               | v      | v   | v    | v    | v            | v   | v   |
| 5                                    | v               | v | v | v  | n  | n  | v               | v      | v   | v    | v    | v            | v   | v   |
| 12                                   | v               | v | v | v  | n  | n  | v               | v      | v   | v    | v    | v            | v   | v   |
| 13                                   | n               | n | v | v  | n  | n  | 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  | n  | v               | v      | v   | v    | v    | v            | v   | v   |
| 41                                   | n               | n | v | v  | v  | v  |                 |        |     |      |      |              |     |     |
| 66                                   | v               | v | v | v  | v  | v  | v               | v      | v   | v    | v    | v            | v   | v   |
| 71                                   | n               | n | v | v  | v  | v  | v               | v      | v   | v    | v    | v            | v   | v   |
| Peak to Average Ratio                |                 |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 2                                    | v               | v | v | v  | v  | v  | v               | v      | v   | v    | v    | v            | v   | v   |
| 4                                    | v               | v | v | v  | v  | v  | v               | v      | v   | v    | v    | v            | v   | v   |
| 5                                    | v               | v | v | v  | n  | n  | v               | v      | v   | v    | v    | v            | v   | v   |
| 12                                   | v               | v | v | v  | n  | n  | v               | v      | v   | v    | v    | v            | v   | v   |
| 13                                   | n               | n | v | v  | n  | n  | 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  | n  | v               | v      | v   | v    | v    | v            | v   | v   |
| 41                                   | n               | n | v | v  | v  | v  |                 |        |     |      |      |              |     |     |
| 66                                   | v               | v | v | v  | v  | v  | v               | v      | v   | v    | v    | v            | v   | v   |
| 71                                   | n               | n | v | v  | v  | v  | v               | v      | v   | v    | v    | v            | v   | v   |
| Occupied Bandwidth                   |                 |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 2                                    | v               | v | v | v  | v  | v  | v               | v      | v   | v    | v    | v            | v   | v   |
| 4                                    | v               | v | v | v  | v  | v  | v               | v      | v   | v    | v    | v            | v   | v   |
| 5                                    | v               | v | v | v  | n  | n  | v               | v      | v   | v    | v    | v            | v   | v   |
| 12                                   | v               | v | v | v  | n  | n  | v               | v      | v   | v    | v    | v            | v   | v   |
| 13                                   | n               | n | v | v  | n  | n  | 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  | n  | v               | v      | v   | v    | v    | v            | v   | v   |
| 41                                   | n               | n | v | v  | v  | v  |                 |        |     |      |      |              |     |     |
| 66                                   | v               | v | v | v  | v  | v  | v               | v      | v   | v    | v    | v            | v   | v   |
| 71                                   | n               | n | v | v  | v  | v  | v               | v      | v   | v    | v    | v            | v   | v   |
| Frequency Stability                  |                 |   |   |    |    |    |                 |        |     |      |      |              |     |     |
| 2                                    | v               | v | v | v  | v  | v  | v               | v      | v   | v    | v    | v            | v   | v   |
| 4                                    | v               | v | v | v  | v  | v  | v               | v      | v   | v    | v    | v            | v   | v   |

|                                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5                                      | v | v | v | v | n | n | v | v | v | v | v | v | v | v |
| 12                                     | v | v | v | v | n | n | v | v | v | v | v | v | v | v |
| 13                                     | n | n | v | v | n | n | 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 | n | v | v | v | v | v | v | v | v |
| 41                                     | n | n | v | v | v | v |   |   |   |   |   |   |   |   |
| 66                                     | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| 71                                     | n | n | v | v | v | v | v | v | v | v | v | v | v | v |
| Spurious Emission at Antenna Terminals |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2                                      | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| 4                                      | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| 5                                      | v | v | v | v | n | n | v | v | v | v | v | v | v | v |
| 12                                     | v | v | v | v | n | n | v | v | v | v | v | v | v | v |
| 13                                     | n | n | v | v | n | n | 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 | n | v | v | v | v | v | v | v | v |
| 41                                     | n | n | v | v | v | v |   |   |   |   |   |   |   |   |
| 66                                     | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| 71                                     | n | n | v | v | v | v | v | v | v | v | v | v | v | v |
| Band Edge                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 2                                      | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| 4                                      | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| 5                                      | v | v | v | v | n | n | v | v | v | v | v | v | v | v |
| 12                                     | v | v | v | v | n | n | v | v | v | v | v | v | v | v |
| 13                                     | n | n | v | v | n | n | 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 | n | v | v | v | v | v | v | v | v |
| 41                                     | n | n | v | v | v | v |   |   |   |   |   |   |   |   |
| 66                                     | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| 71                                     | n | n | v | v | v | v | v | v | v | v | v | v | v | v |

| Field Strength of Spurious Radiation                                                                                                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2                                                                                                                                             | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| 4                                                                                                                                             | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| 5                                                                                                                                             | v | v | v | v | n | n | v | v | v | v | v | v | v | v |
| 12                                                                                                                                            | v | v | v | v | n | n | v | v | v | v | v | v | v | v |
| 13                                                                                                                                            | n | n | v | v | n | n | 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 | n | v | v | v | v | v | v | v | v |
| 41                                                                                                                                            | n | n | v | v | v | v |   |   |   |   |   |   |   |   |
| 66                                                                                                                                            | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| 71                                                                                                                                            | n | n | v | v | v | v | v | v | v | v | v | v | v | v |
| Note 1: The mark “v” means that this configuration is chosen for testing.<br>Note 2: The mark “n” means that this bandwidth is not supported. |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

### Band 2

| Test Frequency ID | Bandwidth [MHz]                                 | N <sub>UL</sub> | Frequency of Uplink [MHz] | N <sub>DL</sub> | Frequency of Downlink [MHz] |
|-------------------|-------------------------------------------------|-----------------|---------------------------|-----------------|-----------------------------|
| Low Range         | 1.4                                             | 18607           | 1850.7                    | 607             | 1930.7                      |
|                   | 3                                               | 18615           | 1851.5                    | 615             | 1931.5                      |
|                   | 5                                               | 18625           | 1852.5                    | 625             | 1932.5                      |
|                   | 10                                              | 18650           | 1855                      | 650             | 1935                        |
|                   | 15 <sup>[1]</sup>                               | 18675           | 1857.5                    | 675             | 1937.5                      |
|                   | 20 <sup>[1]</sup>                               | 18700           | 1860                      | 700             | 1940                        |
| Mid Range         | 1.4/3/5/10/15 <sup>[1]</sup> /20 <sup>[1]</sup> | 18900           | 1880                      | 900             | 1960                        |
| High Range        | 1.4                                             | 19193           | 1909.3                    | 1193            | 1989.3                      |
|                   | 3                                               | 19185           | 1908.5                    | 1185            | 1988.5                      |
|                   | 5                                               | 19175           | 1907.5                    | 1175            | 1987.5                      |
|                   | 10                                              | 19150           | 1905                      | 1150            | 1985                        |
|                   | 15 <sup>[1]</sup>                               | 19125           | 1902.5                    | 1125            | 1982.5                      |
|                   | 20 <sup>[1]</sup>                               | 19100           | 1900                      | 1100            | 1980                        |

NOTE 1: Bandwidth for which a relaxation of the specified UE receiver sensitivity requirement (TS 36.101 [27] Clause 7.3) is allowed.

### Band 4

| Test Frequency ID | Bandwidth [MHz]  | N <sub>UL</sub> | Frequency of Uplink [MHz] | N <sub>DL</sub> | Frequency of Downlink [MHz] |
|-------------------|------------------|-----------------|---------------------------|-----------------|-----------------------------|
| Low Range         | 1.4              | 19957           | 1710.7                    | 1957            | 2110.7                      |
|                   | 3                | 19965           | 1711.5                    | 1965            | 2111.5                      |
|                   | 5                | 19975           | 1712.5                    | 1975            | 2112.5                      |
|                   | 10               | 20000           | 1715                      | 2000            | 2115                        |
|                   | 15               | 20025           | 1717.5                    | 2025            | 2117.5                      |
|                   | 20               | 20050           | 1720                      | 2050            | 2120                        |
| Mid Range         | 1.4/3/5/10/15/20 | 20175           | 1732.5                    | 2175            | 2132.5                      |
| High Range        | 1.4              | 20393           | 1754.3                    | 2393            | 2154.3                      |
|                   | 3                | 20385           | 1753.5                    | 2385            | 2153.5                      |
|                   | 5                | 20375           | 1752.5                    | 2375            | 2152.5                      |
|                   | 10               | 20350           | 1750                      | 2350            | 2150                        |
|                   | 15               | 20325           | 1747.5                    | 2325            | 2147.5                      |
|                   | 20               | 20300           | 1745                      | 2300            | 2145                        |

### Band 5

| Test Frequency ID | Bandwidth [MHz]           | N <sub>UL</sub> | Frequency of Uplink [MHz] | N <sub>DL</sub> | Frequency of Downlink [MHz] |
|-------------------|---------------------------|-----------------|---------------------------|-----------------|-----------------------------|
| Low Range         | 1.4                       | 20407           | 824.7                     | 2407            | 869.7                       |
|                   | 3                         | 20415           | 825.5                     | 2415            | 870.5                       |
|                   | 5                         | 20425           | 826.5                     | 2425            | 871.5                       |
|                   | 10 <sup>[1]</sup>         | 20450           | 829                       | 2450            | 874                         |
| Mid Range         | 1.4/3/5/10 <sup>[1]</sup> | 20525           | 836.5                     | 2525            | 881.5                       |
| High Range        | 1.4                       | 20643           | 848.3                     | 2643            | 893.3                       |
|                   | 3                         | 20635           | 847.5                     | 2635            | 892.5                       |
|                   | 5                         | 20625           | 846.5                     | 2625            | 891.5                       |
|                   | 10 <sup>[1]</sup>         | 20600           | 844                       | 2600            | 889                         |

NOTE 1: Bandwidth for which a relaxation of the specified UE receiver sensitivity requirement (TS 36.101 [27] Clause 7.3) is allowed.

### Band 12

Table 4.3.1.12-1: Test frequencies for E-UTRA channel bandwidth for operating band 12

| Test Frequency ID | Bandwidth [MHz]                           | N <sub>UL</sub> | Frequency of Uplink [MHz] | N <sub>DL</sub> | Frequency of Downlink [MHz] |
|-------------------|-------------------------------------------|-----------------|---------------------------|-----------------|-----------------------------|
| Low Range         | 1.4                                       | 23017           | 699.7                     | 5017            | 729.7                       |
|                   | 3                                         | 23025           | 700.5                     | 5025            | 730.5                       |
|                   | 5 <sup>[1]</sup>                          | 23035           | 701.5                     | 5035            | 731.5                       |
|                   | 10 <sup>[1]</sup>                         | 23060           | 704                       | 5060            | 734                         |
| Mid Range         | 1.4/3/5 <sup>[1]</sup> /10 <sup>[1]</sup> | 23095           | 707.5                     | 5095            | 737.5                       |
| High Range        | 1.4                                       | 23173           | 715.3                     | 5173            | 745.3                       |
|                   | 3                                         | 23165           | 714.5                     | 5165            | 744.5                       |
|                   | 5 <sup>[1]</sup>                          | 23155           | 713.5                     | 5155            | 743.5                       |
|                   | 10 <sup>[1]</sup>                         | 23130           | 711                       | 5130            | 741                         |

NOTE 1: Bandwidth for which a relaxation of the specified UE receiver sensitivity requirement (TS 36.101 [27] Clause 7.3) is allowed.

### Band 13

| Test Frequency ID | Bandwidth [MHz] | N <sub>UL</sub> | Frequency of Uplink [MHz] | N <sub>DL</sub> | Frequency of Downlink [MHz] |
|-------------------|-----------------|-----------------|---------------------------|-----------------|-----------------------------|
| Low Range         | 5 [1]           | 23205           | 779.5                     | 5205            | 748.5                       |
|                   | 10 [1]          | 23230           | 782                       | 5230            | 751                         |
| Mid Range         | 5 [1]/10 [1]    | 23230           | 782                       | 5230            | 751                         |
| High Range        | 5 [1]           | 23255           | 784.5                     | 5255            | 753.5                       |
|                   | 10 [1]          | 23230           | 782                       | 5230            | 751                         |

NOTE 1: Bandwidth for which a relaxation of the specified UE receiver sensitivity requirement (TS 36.101 [27] Clause 7.3) is allowed.

### Band 25

**Table 4.3.1.1.25-1: Test frequencies for E-UTRA channel bandwidth for operating band 25**

| Test Frequency ID | Bandwidth [MHz]             | N <sub>UL</sub> | Frequency of Uplink [MHz] | N <sub>DL</sub> | Frequency of Downlink [MHz] |
|-------------------|-----------------------------|-----------------|---------------------------|-----------------|-----------------------------|
| Low Range         | 1.4                         | 26047           | 1850.7                    | 8047            | 1930.7                      |
|                   | 3                           | 26055           | 1851.5                    | 8055            | 1931.5                      |
|                   | 5                           | 26065           | 1852.5                    | 8065            | 1932.5                      |
|                   | 10                          | 26090           | 1855                      | 8090            | 1935                        |
|                   | 15 [1]                      | 26115           | 1857.5                    | 8115            | 1937.5                      |
|                   | 20 [1]                      | 26140           | 1860                      | 8140            | 1940                        |
| Mid Range         | 1.4/3/5/10<br>15 [1]/20 [1] | 26365           | 1882.5                    | 8365            | 1962.5                      |
| High Range        | 1.4                         | 26683           | 1914.3                    | 8683            | 1994.3                      |
|                   | 3                           | 26675           | 1913.5                    | 8675            | 1993.5                      |
|                   | 5                           | 26665           | 1912.5                    | 8665            | 1992.5                      |
|                   | 10                          | 26640           | 1910                      | 8640            | 1990                        |

### Band 26

| Test Frequency ID | Bandwidth [MHz]          | N <sub>UL</sub> | Frequency of Uplink [MHz] | N <sub>DL</sub> | Frequency of Downlink [MHz] |
|-------------------|--------------------------|-----------------|---------------------------|-----------------|-----------------------------|
| Low Range         | 1.4                      | 26697           | 814.7                     | 8697            | 859.7                       |
|                   | 3                        | 26705           | 815.5                     | 8705            | 860.5                       |
|                   | 5                        | 26715           | 816.5                     | 8715            | 861.5                       |
|                   | 10 [1]                   | 26740           | 819                       | 8740            | 864                         |
|                   | 15 [1]                   | 26765           | 821.5                     | 8765            | 866.5                       |
| Mid Range         | 1.4/3/5/10 [1]<br>15 [1] | 26865           | 831.5                     | 8865            | 876.5                       |
| High Range        | 1.4                      | 27033           | 848.3                     | 9033            | 893.3                       |
|                   | 3                        | 27025           | 847.5                     | 9025            | 892.5                       |
|                   | 5                        | 27015           | 846.5                     | 9015            | 891.5                       |
|                   | 10 [1]                   | 26990           | 844                       | 8990            | 889                         |
|                   | 15 [1]                   | 26965           | 841.5                     | 8965            | 886.5                       |

NOTE 1: Bandwidth for which a relaxation of the specified UE receiver sensitivity requirement (TS 36.101 [27] Clause 7.3) is allowed.

### Band 41

**Table 4.3.1.2.9-1: Test frequencies for E-UTRA channel bandwidth for operating band 41**

| Test Frequency ID | Bandwidth [MHz] | EARFCN | Frequency (UL and DL) [MHz] |
|-------------------|-----------------|--------|-----------------------------|
| Low Range         | 5               | 39675  | 2498.5                      |
|                   | 10              | 39700  | 2501                        |
|                   | 15              | 39725  | 2503.5                      |
|                   | 20              | 39750  | 2506                        |
| Mid Range         | 5/10/15/20      | 40620  | 2593                        |
| High Range        | 5               | 41565  | 2687.5                      |
|                   | 10              | 41540  | 2685                        |
|                   | 15              | 41515  | 2682.5                      |
|                   | 20              | 41490  | 2680                        |

### Band 66

**Table 4.3.1.1.66-1: Test frequencies for E-UTRA channel bandwidth for operating band 66**

| Test Frequency ID              | Bandwidth [MHz]  | N <sub>UL</sub> | Frequency of Uplink [MHz] | N <sub>DL</sub> | Frequency of Downlink [MHz] |
|--------------------------------|------------------|-----------------|---------------------------|-----------------|-----------------------------|
| Low Range                      | 1.4              | 131979          | 1710.7                    | 66443           | 2110.7                      |
|                                | 3                | 131987          | 1711.5                    | 66451           | 2111.5                      |
|                                | 5                | 131997          | 1712.5                    | 66461           | 2112.5                      |
|                                | 10               | 132022          | 1715                      | 66486           | 2115                        |
|                                | 15               | 132047          | 1717.5                    | 66511           | 2117.5                      |
|                                | 20               | 132072          | 1720                      | 66536           | 2120                        |
| Mid Range Tx <sup>1</sup>      | 1.4/3/5/10/15/20 | 132322          | 1745                      | 66786           | 2145                        |
| Mid Range                      | 1.4/3/5/10/15/20 | 132422          | 1755                      | 66886           | 2155                        |
| Paired High Range <sup>2</sup> | 1.4              | 132665          | 1779.3                    | 67129           | 2179.3                      |
|                                | 3                | 132657          | 1778.5                    | 67121           | 2178.5                      |
|                                | 5                | 132647          | 1777.5                    | 67111           | 2177.5                      |
|                                | 10               | 132622          | 1775                      | 67086           | 2175                        |
|                                | 15               | 132597          | 1772.5                    | 67061           | 2172.5                      |
|                                | 20               | 132572          | 1770                      | 67036           | 2170                        |
| High Range <sup>3</sup>        | 1.4              | NA              | NA                        | 67329           | 2199.3                      |
|                                | 3                | NA              | NA                        | 67321           | 2198.5                      |
|                                | 5                | NA              | NA                        | 67311           | 2197.5                      |
|                                | 10               | NA              | NA                        | 67286           | 2195                        |
|                                | 15               | NA              | NA                        | 67261           | 2192.5                      |
|                                | 20               | NA              | NA                        | 67236           | 2190                        |

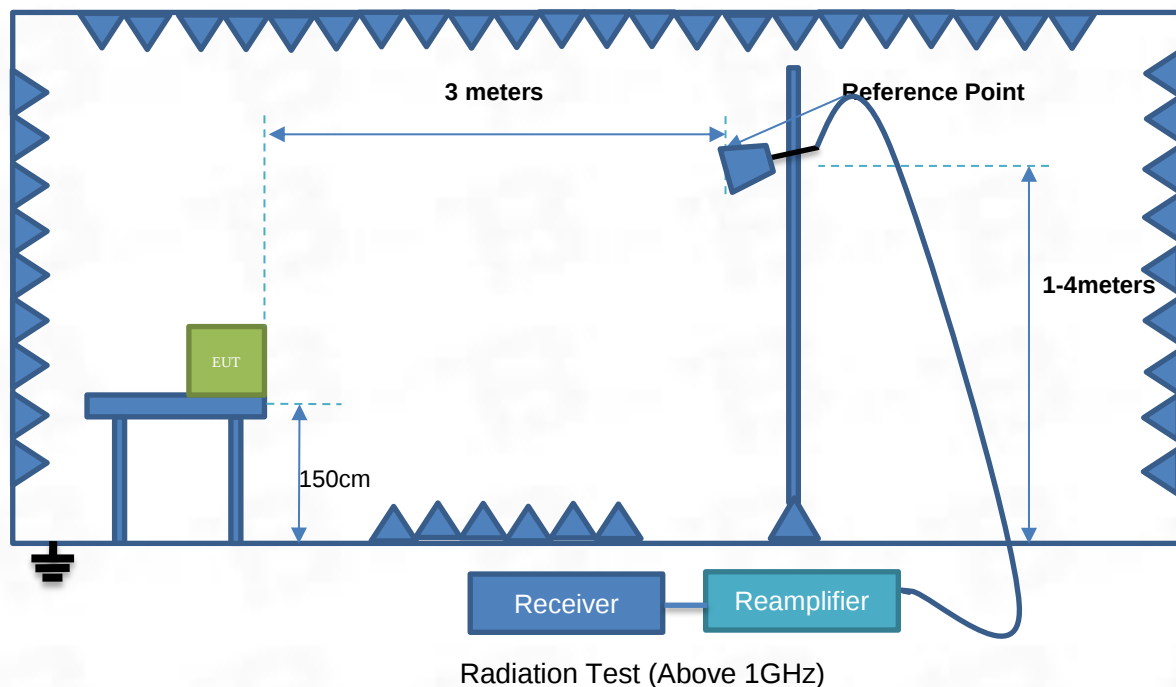
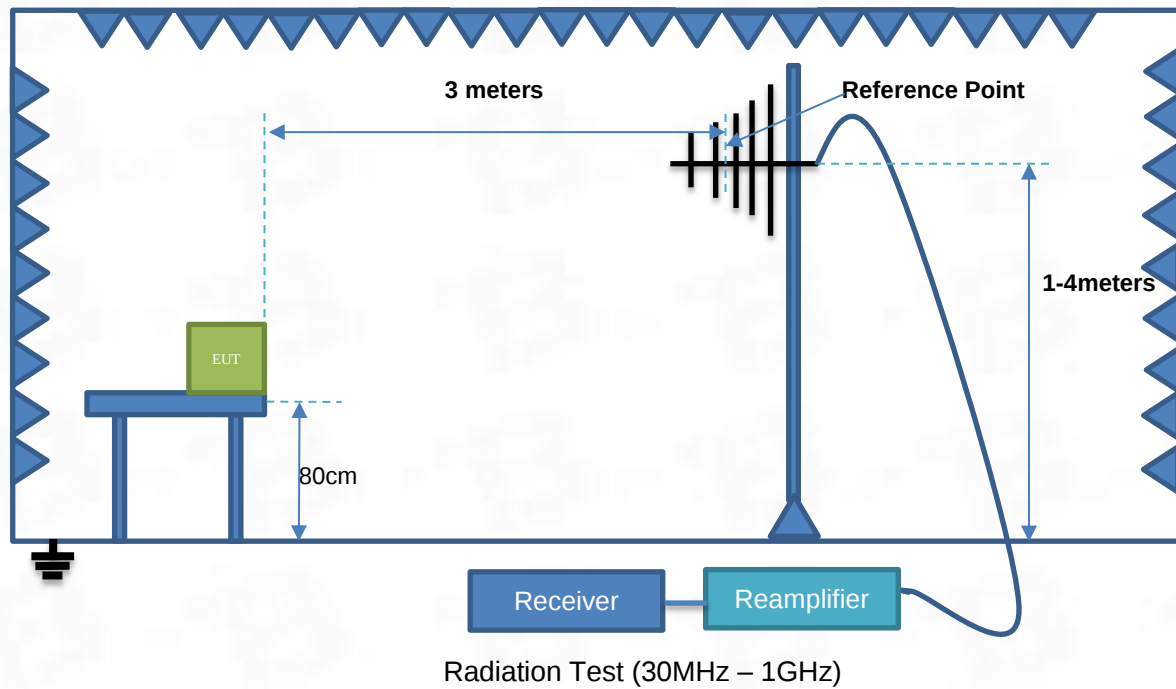
### Band 71

**Table 4.3.1.1.71-1: Test frequencies for E-UTRA channel bandwidth for operating band 71**

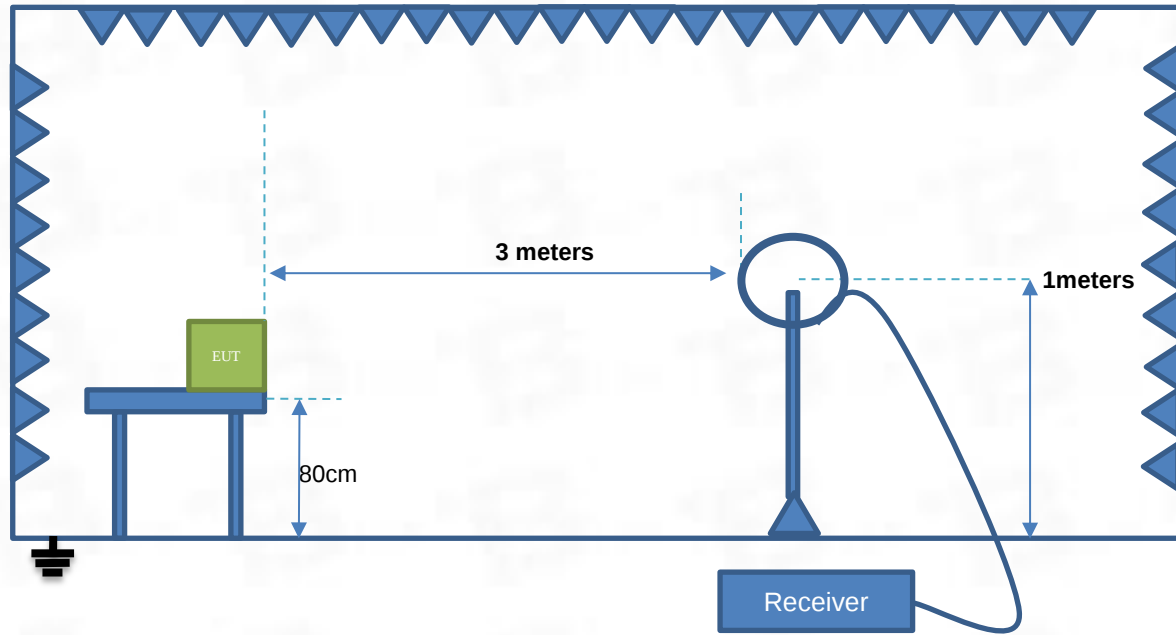
| Test Frequency ID | Bandwidth [MHz] | N <sub>UL</sub> | Frequency of Uplink [MHz] | N <sub>DL</sub> | Frequency of Downlink [MHz] |
|-------------------|-----------------|-----------------|---------------------------|-----------------|-----------------------------|
| Low Range         | 5               | 133147          | 665.5                     | 68611           | 619.5                       |
|                   | 10              | 133172          | 668                       | 68636           | 622                         |
|                   | 15              | 133197          | 670.5                     | 68661           | 624.5                       |
|                   | 20              | 133222          | 673                       | 68686           | 627                         |
| Mid Range         | 5/10/15         | 133297          | 680.5                     | 68761           | 634.5                       |
|                   | 20              | 133322          | 683                       | 68786           | 637                         |
| High Range        | 5               | 133447          | 695.5                     | 68911           | 649.5                       |
|                   | 10              | 133422          | 693                       | 68886           | 647                         |
|                   | 15              | 133397          | 690.5                     | 68861           | 644.5                       |
|                   | 20              | 133372          | 688                       | 68836           | 642                         |

## 4.5 Test Setup

### Test Setup 1

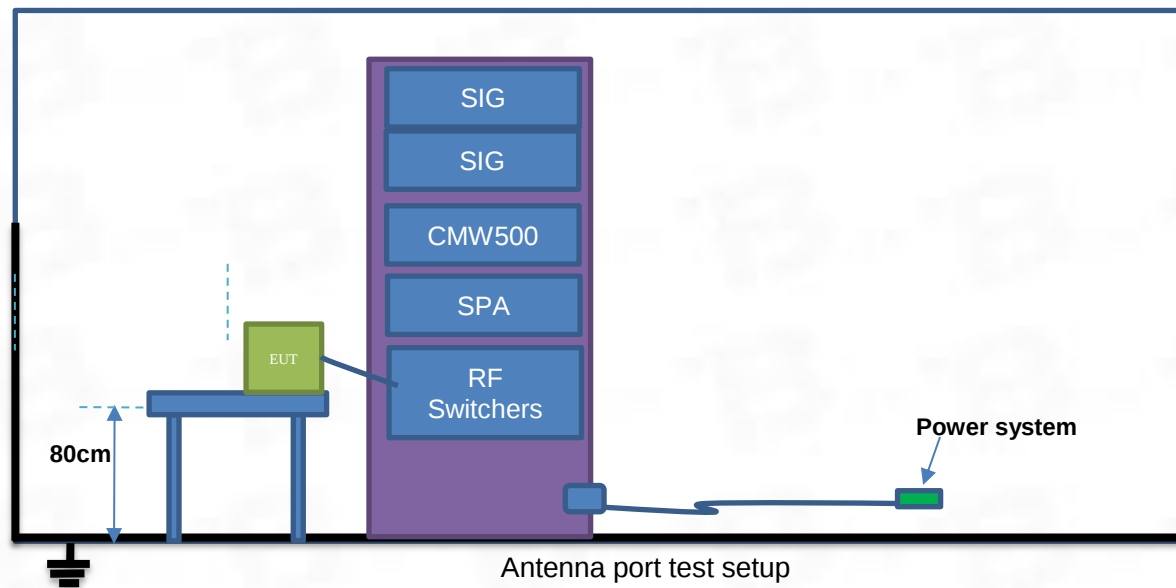


### Test Setup 2



Radiation Test (9k - 30MHz)

### Test Setup 3



Antenna port test setup

## 5. Test Items

### 5.1 Transmitter Radiated Power (EIRP/ERP)

#### 5.1.1 Limit

FCC § 2.1046 & 22.913(a) & 24.232(c) & 27.50(a) & 27.50(b) & 27.50(c) & 27.50(d) & 27.50(h) & 90.635(b) & 90.542(a); RSS-103 4.6; RSS-132 5.4, RSS-133 6.4, RSS-139 6.5, RSS199 4.4

According to FCC section 22.913(a) (5), the Effective Radiated Power (ERP) of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC section 24.232(c), mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

According to FCC section 27.50(a) (3), for mobile and portable stations transmitting in the 2305-2315MHz band or the 2350-2360MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards.

FCC section 27.50(b) (10), portable stations (hand-held devices) transmitting in the 746-757MHz, 776-788MHz, and 805-806MHz bands are limited to 3 watts ERP.

FCC section 27.50(c) (10), portable stations (hand-held devices) in the 600MHz uplink band and the 698-746MHz band, and fixed and mobile stations in the 600MHz uplink band are limited to 3 watts ERP.

FCC section 27.50(d) (4), fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP. Fixed stations operating in the 1710-1755 MHz band are limited to a maximum antenna height of 10 meters above ground. Mobile and portable stations operating in these bands must employ a means for limiting power to the minimum necessary for successful communications.

(7) Fixed, mobile, and portable (hand-held) stations operating in the 2000-2020 MHz band are limited to 2 watts EIRP.

And FCC section 27.50(h) (2), for mobile and other user stations, mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

According to FCC section 90.635(b), the maximum output power of the transmitter for mobile stations is 100 watts (20dBW).

According to FCC section 90.542(a) (7), portable stations (hand-held devices) transmitting in the 758-768 MHz band and the 788-798 MHz band are limited to 3 watts ERP.

#### 5.1.2 Test Setup

The section 4.4 test setup 4 description is used for conducted test, and the test setup description is used for radiated test. The photo of test setup please refer to ANNEX B.

### 5.1.3 Test Procedure

#### **Description of the Conducted Output Power Measurement**

The EUT is coupled to the SS with attenuator through power splitter; the RF load attached to EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. A system simulator is used to establish communication with the EUT, and its parameters are 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 relevant equation for determining the conducted measured value is:

$$\text{Conducted Output Power Value (dBm)} = \text{Measured Value (dBm)} + \text{Path Loss (dB)}$$

where:

Conducted Output Power Value = final conducted measured value in the conducted power test, in dBm; Measured Value = measured conducted power received by spectrum analyzer or power meter, in dBm;

Path Loss = signal attenuation in the connecting cable between the transmitter and spectrum analyzer or power meter, including external cable loss, in dB;

During the test, the data of Path Loss (dB) is added in the spectrum analyzer or power meter, so Measured Value (dBm) is the final values which contains the data of Path Loss (dB).

For example:

In the conducted output power test, when measured value for GSM850 is 24.7 dBm, and path loss is 8.5 dB, then final conducted output power value is:

$$\text{Conducted Output Power Value (dBm)} = 24.7 \text{ dBm} + 8.5 \text{ dB} = 33.2 \text{ dBm}$$

#### **Description of the Transmitter Radiated Power Measurement**

In many cases, the RF output power limits for licensed digital transmission devices is specified in terms of effective radiated power (ERP) or equivalent isotropic radiated power (EIRP). Typically, ERP is specified when the operating frequency is less than or equal to 1 GHz and EIRP is specified when the operating frequency is greater than 1 GHz. Both are determined by adding the transmit antenna gain to the conducted RF output power with the primary difference between the two being that when determining the ERP, the transmit antenna gain is referenced to a dipole antenna (i.e., dBd) whereas when determining the EIRP, the transmit antenna gain is referenced to an isotropic antenna (dBi).

Final measurement calculation as below:

The relevant equation for determining the ERP or EIRP from the conducted RF output power measured using the guidance provided above is:

$$\text{ERP/EIRP} = \text{PMeas} + \text{GT} - \text{LC}$$

where:

ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as P<sub>Meas</sub>, typically dBW or dBm);

P<sub>Meas</sub> = measured transmitter output power or PSD, in dBm or dBW; GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP); dBd (ERP)=dBi (EIRP) -2.15 dB

LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

For devices utilizing multiple antennas, KDB 662911 provides guidance for determining the effective array transmit antenna gain term to be used in the above equation.

For example:

In the EIRP test, when P<sub>Meas</sub> value for GSM1900 is 30.2 dBm, LC is 0.6 dB, and GT is -3.4 dB, then final EIRP value is:

$$\text{EIRP for GSM1900} = 30.2 \text{ dBm} - 3.4 \text{ dBi} - 0.6 \text{ dB} = 26.2 \text{ dBm}$$

The relevant equation for determining the ERP/EIRP from the radiated RF output power is:

$$\text{ERP/EIRP (dBm)} = \text{SA Read Value (dBm)} + \text{Correction Factor (dB)}$$

where:

ERP/EIRP = effective or equivalent radiated power, in dBm;

SA Read Value = measured transmitter power received by EMI receiver or spectrum analyzer, in dBm; Correction

Factor = total correction factor including cable loss, in dB;

During the test, the data of Correction Factor (dB) is added in the EMI receiver or spectrum analyzer, so SA Read Value (dBm) is the final values which contains the data of Correction Factor (dB).

For example:

In the ERP test, when SA read value for GSM850 is 21dBm, and correction factor is 8dB, then final ERP value for GSM850 is:

$$\text{ERP (dBm)} = 21\text{dBm} + 8\text{dB} = 29\text{dBm}$$

#### 5.1.4 Test Result

Refer to appendix report.

## 5.2 Field Strength of Spurious Radiation

### 5.2.1 Limit

FCC § 2.1053 & 22.917(a) & 24.238(a) & 27.53(a) & 27.53(c) & 27.53(f) & 27.53(g) & 27.53(h) & 27.53(m) & 90.691 & 90.543 ; RSS-130 4.7, RSS-132 5.5, RSS-133 6.5, RSS-139 6.6, RSS199 4.5

FCC § 22.917(a) & 24.238(a)

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

FCC § 27.53(a) (4), RSS-139 6.6

For mobile and portable stations operating in the 2305-2315MHz and 2350-2360MHz bands:

- (1) By a factor of not less than:  $43 + 10 \log(P)$  dB on all frequencies between 2305 and 2320MHz and on all frequencies between 2345 and 2360MHz that are outside the licensed band(s) of operation, not less than  $55 + 10 \log(P)$  dB on all frequencies between 2320 and 2324MHz and on all frequencies between 2341 and 2345MHz, not less than  $61 + 10 \log(P)$  dB on all frequencies between 2324 and 2328MHz and on all frequencies between 2337 and 2341MHz, and not less than  $67 + 10 \log(P)$  dB on all frequencies between 2328 and 2337MHz.
- (2) By a factor of not less than  $43 + 10 \log(P)$  dB on all frequencies between 2300 and 2305MHz,  $55 + 10 \log(P)$  dB on all frequencies between 2296 and 2300MHz,  $61 + 10 \log(P)$  dB on all frequencies between 2292 and 2296MHz,  $67 + 10 \log(P)$  dB on all frequencies between 2288 and 2292MHz, and  $70 + 10 \log(P)$  dB below 2288MHz.
- (3) By a factor of not less than  $43 + 10 \log(P)$  dB on all frequencies between 2360 and 2365MHz, and not less than  $70 + 10 \log(P)$  dB above 2365MHz.

FCC § 27.53(c), RSS-139 6.6

For operations in the 746–758 MHz band and the 776–788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

- (1) On any frequency outside the 746–758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least  $43 + 10 \log(P)$  dB;
- (2) On any frequency outside the 776–788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least  $43 + 10 \log(P)$  dB;
- (3) On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than  $76 + 10 \log(P)$  dB in a 6.25 kHz band segment, for base and fixed stations;
- (4) On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than  $65 + 10 \log(P)$  dB in a 6.25 kHz band segment, for mobile and portable stations;
- (5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed;
- (6) Compliance with the provisions of paragraphs (c)(3) and (c)(4) of this section is based on the use of

measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

FCC § 27.53(f), RSS-139 6.6

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. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

FCC § 27.53(g), RSS-139 6.6

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

FCC § 27.53(h) (1), RSS-139 6.6

Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least  $43 + 10 \log_{10}(P)$  dB. FCC § 27.53(m) (4)

For mobile digital stations (BRS and EBS stations), the attenuation factor shall be not less than:

- $40+10\log P$  dB (-10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge.
- $43+10\log P$  dB (-13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge,
- $55+10\log P$  dB (-25 dBm, 3 nW) on all frequencies more than X MHz from the channel edge, where X is the greater of 6 MHz or the actual emission bandwidth (26 dB).

In addition, the attenuation factor shall not be less than  $43 + 10 \log(P)$  dB on all frequencies between 2490.5 MHz and 2496 MHz and  $55 + 10 \log(P)$  dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

FCC § 90.691

(a) Out-of-band emission requirement shall apply only to the "outer" channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

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

(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least  $43 + 10 \log_{10}(P)$  decibels or 80

decibels, whichever is the lesser attenuation, where  $f$  is the frequency removed from the center of the outer channel in the block in kilohertz and where  $f$  is greater than 37.5 kHz.

(b) When an emission outside of the authorized bandwidth causes harmful interference, the Commission may, at its discretion, require greater attenuation than specified in this section.

#### FCC § 90.543

(e) For operations in the 758–768 MHz and the 788–798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power ( $P$ ) within the licensed band(s) of operation, measured in watts, in accordance with the following:

- (1) On all frequencies between 769–775 MHz and 799–805 MHz, by a factor not less than  $76 + 10 \log(P)$  dB in a 6.25 kHz band segment, for base and fixed stations.
- (2) On all frequencies between 769–775 MHz and 799–805 MHz, by a factor not less than  $65 + 10 \log(P)$  dB in a 6.25 kHz band segment, for mobile and portable stations.
- (3) On any frequency between 775–788 MHz, above 805 MHz, and below 758 MHz, by at least  $43 + 10 \log(P)$  dB.
- (4) Compliance with the provisions of paragraphs (e)(1) and (2) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

#### RSS199 4.5

- (a) for base station and fixed subscriber equipment, the power of any unwanted emissions measured as above shall be attenuated (in dB) below the transmitter power,  $P$  (dBW), by at least  $43 + 10 \log_{10} p$ .
- (b) for mobile subscriber equipment, the power of any unwanted emissions measured as above shall be attenuated (in dB) below the transmitter power,  $P$  (dBW), by at least:
  - (i)  $40 + 10 \log_{10} p$  from the channel edges to 5 MHz away
  - (ii)  $43 + 10 \log_{10} p$  between 5 MHz and  $X$  MHz from the channel edges, and
  - (iii)  $55 + 10 \log_{10} p$  at  $X$  MHz and beyond from the channel edges

In addition, the attenuation shall not be less than  $43 + 10 \log_{10} p$  on all frequencies between 2490.5 MHz and 2496 MHz, and  $55 + 10 \log_{10} p$  at or below 2490.5 MHz.

In (a) and (b),  $p$  is the transmitter power measured in watts and  $X$  is 6 MHz or the equipment occupied bandwidth, whichever is greater.

## 5.2.2 Test Setup

The section 4.5 test setup 4 description is used for conducted test, and the test setup description is used for radiated test. The photo of test setup please refer to ANNEX B.

## 5.2.3 Test Procedure

1. On a test site, the EUT shall be placed at 80cm height on a turn table, and in the position close to normal use as declared by the applicant.
2. The test antenna shall be oriented initially for vertical polarization located 3 m from EUT to correspond to the fundamental frequency of the transmitter.
3. The output of the test antenna shall be connected to the measuring receiver and the peak detector is used for the measurement.

4. During the measurement of the EUT, the resolution bandwidth was to 1 MHz and the average bandwidth was set to 1 MHz.
5. The transmitter shall be switched on; the measuring receiver shall be tuned to the frequency of the transmitter under test.
6. The test antenna shall be raised and lowered through the specified range of height until the maximum signal level is detected by the measuring receiver.
7. The transmitter shall be rotated through 360° in the horizontal plane, until the maximum signal level is detected by the measuring receiver.
8. The test antenna shall be raised and lowered again through the specified range of height until the maximum signal level is detected by the measuring receiver.
9. The maximum signal level detected by the measuring receiver shall be noted.
10. The EUT was replaced by half-wave dipole (824 ~ 849 MHz) or horn antenna (1 850 ~ 1 910 MHz) connected to a signal generator.
11. In necessary, the input attenuator setting on the measuring receiver shall be adjusted in order to increase the sensitivity of the measuring receiver.
12. The test antenna shall be raised and lowered through the specified range of height to ensure that the maximum signal is received.
13. The input signal to the substitution antenna shall be adjusted to the level that produces a level detected by the measuring receiver, which is equal to the level noted while the transmitter radiated power was measured, corrected for the change of input attenuator setting of the measuring receiver.
14. The input level to the substitution antenna shall be recorded as power level in dBm, corrected for any change of input attenuator setting of the measuring receiver.
15. The measurement shall be repeated with the test antenna and the substitution antenna orientated for horizontal polarization.

Final measurement calculation as below:

The relevant equation for determining the ERP/EIRP from the radiated RF output power is:  $ERP/EIRP \text{ (dBm)} = SA \text{ Read Value (dBm)} + \text{Correction Factor (dB)}$

where:

ERP/EIRP = effective or equivalent radiated power, in dBm;

SA Read Value = measured transmitter power received by EMI receiver or spectrum analyzer, in dBm; Correction

Factor = total correction factor including cable loss, in dB;

During the test, the data of Correction Factor (dB) is added in the EMI receiver or spectrum analyzer, so SA Read Value (dBm) is the final values which contains the data of Correction Factor (dB).

For example:

In the ERP test, when SA read value for GSM850 is 21dBm, and correction factor is 8dB, then final ERP value for GSM850 is:

$$ERP \text{ (dBm)} = 21\text{dBm} + 8\text{dB} = 29\text{dBm}$$

## 5.2.4 Test Result

Please refer to ANNEX A.7

**2G Part**

Note:1.It was found that the emission value below 1GHz and above 18GHz was below the limit of 20dB, so it was recorded in the report.

2.All mode are tested, and the report only shows the worst mode of GSM(Voice) .

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | GSM850          | Test channel: | Lowest      | Test mode:  | GSM         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1648.659        | -23.09        | -17.42      | -40.51      | -13.00      | -27.51        | peak     | P   |
| 2     | 2472.859        | -21.63        | -16.37      | -38.00      | -13.00      | -25.00        | peak     | P   |
| 3     | 3297.059        | -20.86        | -15.43      | -36.29      | -13.00      | -23.29        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | GSM850          | Test channel: | Lowest      | Test mode:  | GSM         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1649.028        | -22.14        | -17.30      | -39.44      | -13.00      | -26.44        | peak     | P   |
| 2     | 2473.228        | -20.68        | -16.25      | -36.93      | -13.00      | -23.93        | peak     | P   |
| 3     | 3297.428        | -19.91        | -15.31      | -35.22      | -13.00      | -22.22        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | GSM850          | Test channel: | Middle      | Test mode:  | GSM         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1673.459        | -22.14        | -17.32      | -39.46      | -13.00      | -26.46        | peak     | P   |
| 2     | 2510.059        | -20.68        | -16.27      | -36.95      | -13.00      | -23.95        | peak     | P   |
| 3     | 3346.659        | -19.91        | -15.33      | -35.24      | -13.00      | -22.24        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | GSM850          | Test channel: | Middle      | Test mode:  | GSM         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1673.780        | -21.28        | -17.44      | -38.72      | -13.00      | -25.72        | peak     | P   |
| 2     | 2510.380        | -19.82        | -16.39      | -36.21      | -13.00      | -23.21        | peak     | P   |
| 3     | 3346.980        | -19.05        | -15.45      | -34.50      | -13.00      | -21.50        | peak     | P   |

| Band: | GSM850          | Test channel: | Highest     | Test mode:  | GSM         | Polarization: | H        |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1697.859        | -21.89        | -17.22      | -39.11      | -13.00      | -26.11        | peak     | P   |
| 2     | 2546.659        | -20.43        | -16.17      | -36.60      | -13.00      | -23.60        | peak     | P   |
| 3     | 3395.459        | -19.66        | -15.23      | -34.89      | -13.00      | -21.89        | peak     | P   |

| Band: | GSM850          | Test channel: | Highest     | Test mode:  | GSM         | Polarization: | V        |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1698.310        | -21.20        | -17.10      | -38.30      | -13.00      | -25.30        | peak     | P   |
| 2     | 2547.110        | -19.74        | -16.05      | -35.79      | -13.00      | -22.79        | peak     | P   |
| 3     | 3395.910        | -18.97        | -15.11      | -34.08      | -13.00      | -21.08        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | GSM1900         | Test channel: | Lowest      | Test mode:  | GSM         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 3700.659        | -22.23        | -17.70      | -39.93      | -13.00      | -26.93        | peak     | P   |
| 2     | 5550.859        | -20.77        | -16.65      | -37.42      | -13.00      | -24.42        | peak     | P   |
| 3     | 7401.059        | -20.00        | -15.71      | -35.71      | -13.00      | -22.71        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | GSM1900         | Test channel: | Lowest      | Test mode:  | GSM         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 3701.028        | -21.28        | -17.58      | -38.86      | -13.00      | -25.86        | peak     | P   |
| 2     | 5551.228        | -19.82        | -16.53      | -36.35      | -13.00      | -23.35        | peak     | P   |
| 3     | 7401.428        | -19.05        | -15.59      | -34.64      | -13.00      | -21.64        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | GSM1900         | Test channel: | Middle      | Test mode:  | GSM         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 3760.259        | -21.28        | -17.60      | -38.88      | -13.00      | -25.88        | peak     | P   |
| 2     | 5640.259        | -19.82        | -16.55      | -36.37      | -13.00      | -23.37        | peak     | P   |
| 3     | 7520.259        | -19.05        | -15.61      | -34.66      | -13.00      | -21.66        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | GSM1900         | Test channel: | Middle      | Test mode:  | GSM         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 3760.580        | -20.42        | -17.72      | -38.14      | -13.00      | -25.14        | peak     | P   |
| 2     | 5640.580        | -18.96        | -16.67      | -35.63      | -13.00      | -22.63        | peak     | P   |
| 3     | 7520.580        | -18.19        | -15.73      | -33.92      | -13.00      | -20.92        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | GSM1900         | Test channel: | Highest     | Test mode:  | GSM         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 3819.859        | -21.03        | -17.50      | -38.53      | -13.00      | -25.53        | peak     | P   |
| 2     | 5729.659        | -19.57        | -16.45      | -36.02      | -13.00      | -23.02        | peak     | P   |
| 3     | 7639.459        | -18.80        | -15.51      | -34.31      | -13.00      | -21.31        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | GSM1900         | Test channel: | Highest     | Test mode:  | GSM         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 3820.310        | -20.34        | -17.38      | -37.72      | -13.00      | -24.72        | peak     | P   |
| 2     | 5730.110        | -18.88        | -16.33      | -35.21      | -13.00      | -22.21        | peak     | P   |
| 3     | 7639.910        | -18.11        | -15.39      | -33.50      | -13.00      | -20.50        | peak     | P   |

## 3G Part

Note:1.It was found that the emission value below 1GHz and above 18GHz was below the limit of 20dB, so it was recorded in the report.

2.All mode are tested, and the report only shows the worst mode of RCM

|       |                    |                  |                |                |                |                |          |     |
|-------|--------------------|------------------|----------------|----------------|----------------|----------------|----------|-----|
| Band: | WCDMA<br>Band II   | Test<br>channel: | Lowest         | Test<br>mode:  | RCM            | Polarization:  | H        |     |
|       |                    |                  |                |                |                |                |          |     |
| No.   | Frequency<br>(MHz) | Reading<br>(dBm) | Factor<br>(dB) | Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | Detector | P/F |
| 1     | 3704.912           | -22.73           | -17.47         | -40.20         | -13.00         | -27.20         | peak     | P   |
| 2     | 5557.312           | -21.27           | -16.42         | -37.69         | -13.00         | -24.69         | peak     | P   |
| 3     | 7409.712           | -20.50           | -15.48         | -35.98         | -13.00         | -22.98         | peak     | P   |

|       |                    |                  |                |                |                |                |          |     |
|-------|--------------------|------------------|----------------|----------------|----------------|----------------|----------|-----|
| Band: | WCDMA<br>Band II   | Test<br>channel: | Lowest         | Test<br>mode:  | RCM            | Polarization:  | V        |     |
|       |                    |                  |                |                |                |                |          |     |
| No.   | Frequency<br>(MHz) | Reading<br>(dBm) | Factor<br>(dB) | Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | Detector | P/F |
| 1     | 3705.281           | -21.78           | -17.35         | -39.13         | -13.00         | -26.13         | peak     | P   |
| 2     | 5557.681           | -20.32           | -16.30         | -36.62         | -13.00         | -23.62         | peak     | P   |
| 3     | 7410.081           | -19.55           | -15.36         | -34.91         | -13.00         | -21.91         | peak     | P   |

|       |                    |                  |                |                |                |                |          |     |
|-------|--------------------|------------------|----------------|----------------|----------------|----------------|----------|-----|
| Band: | WCDMA<br>Band II   | Test<br>channel: | Middle         | Test<br>mode:  | RCM            | Polarization:  | H        |     |
|       |                    |                  |                |                |                |                |          |     |
| No.   | Frequency<br>(MHz) | Reading<br>(dBm) | Factor<br>(dB) | Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | Detector | P/F |
| 1     | 3760.112           | -21.78           | -17.37         | -39.15         | -13.00         | -26.15         | peak     | P   |
| 2     | 5640.112           | -20.32           | -16.32         | -36.64         | -13.00         | -23.64         | peak     | P   |
| 3     | 7520.112           | -19.55           | -15.38         | -34.93         | -13.00         | -21.93         | peak     | P   |

|       |                    |                  |                |                |                |                |          |     |
|-------|--------------------|------------------|----------------|----------------|----------------|----------------|----------|-----|
| Band: | WCDMA<br>Band II   | Test<br>channel: | Middle         | Test<br>mode:  | RCM            | Polarization:  | V        |     |
|       |                    |                  |                |                |                |                |          |     |
| No.   | Frequency<br>(MHz) | Reading<br>(dBm) | Factor<br>(dB) | Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | Detector | P/F |
| 1     | 3760.433           | -20.92           | -17.49         | -38.41         | -13.00         | -25.41         | peak     | P   |
| 2     | 5640.433           | -19.46           | -16.44         | -35.90         | -13.00         | -22.90         | peak     | P   |
| 3     | 7520.433           | -18.69           | -15.50         | -34.19         | -13.00         | -21.19         | peak     | P   |

|       |                    |                  |                |                |                |                |          |     |
|-------|--------------------|------------------|----------------|----------------|----------------|----------------|----------|-----|
| Band: | WCDMA<br>Band II   | Test<br>channel: | Highest        | Test<br>mode:  | RCM            | Polarization:  | H        |     |
|       |                    |                  |                |                |                |                |          |     |
| No.   | Frequency<br>(MHz) | Reading<br>(dBm) | Factor<br>(dB) | Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | Detector | P/F |
| 1     | 3815.312           | -21.53           | -17.27         | -38.80         | -13.00         | -25.80         | peak     | P   |
| 2     | 5722.912           | -20.07           | -16.22         | -36.29         | -13.00         | -23.29         | peak     | P   |
| 3     | 7630.512           | -19.30           | -15.28         | -34.58         | -13.00         | -21.58         | peak     | P   |

|       |                    |                  |                |                |                |                |          |     |
|-------|--------------------|------------------|----------------|----------------|----------------|----------------|----------|-----|
| Band: | WCDMA<br>Band II   | Test<br>channel: | Highest        | Test<br>mode:  | RCM            | Polarization:  | V        |     |
|       |                    |                  |                |                |                |                |          |     |
| No.   | Frequency<br>(MHz) | Reading<br>(dBm) | Factor<br>(dB) | Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | Detector | P/F |
| 1     | 3815.763           | -20.84           | -17.15         | -37.99         | -13.00         | -24.99         | peak     | P   |
| 2     | 5723.363           | -19.38           | -16.10         | -35.48         | -13.00         | -22.48         | peak     | P   |
| 3     | 7630.963           | -18.61           | -15.16         | -33.77         | -13.00         | -20.77         | peak     | P   |

|       |                    |                  |                |                |                |                |          |     |
|-------|--------------------|------------------|----------------|----------------|----------------|----------------|----------|-----|
| Band: | WCDMA<br>Band IV   | Test<br>channel: | Lowest         | Test<br>mode:  | RCM            | Polarization:  | H        |     |
|       |                    |                  |                |                |                |                |          |     |
| No.   | Frequency<br>(MHz) | Reading<br>(dBm) | Factor<br>(dB) | Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | Detector | P/F |
| 1     | 3424.902           | -22.34           | -17.99         | -40.33         | -13.00         | -27.33         | peak     | P   |
| 2     | 5137.302           | -20.88           | -16.94         | -37.82         | -13.00         | -24.82         | peak     | P   |
| 3     | 6849.702           | -20.11           | -16.00         | -36.11         | -13.00         | -23.11         | peak     | P   |

|       |                    |                  |                |                |                |                |          |     |
|-------|--------------------|------------------|----------------|----------------|----------------|----------------|----------|-----|
| Band: | WCDMA<br>Band IV   | Test<br>channel: | Lowest         | Test<br>mode:  | RCM            | Polarization:  | V        |     |
|       |                    |                  |                |                |                |                |          |     |
| No.   | Frequency<br>(MHz) | Reading<br>(dBm) | Factor<br>(dB) | Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | Detector | P/F |
| 1     | 3425.271           | -21.39           | -17.87         | -39.26         | -13.00         | -26.26         | peak     | P   |
| 2     | 5137.671           | -19.93           | -16.82         | -36.75         | -13.00         | -23.75         | peak     | P   |
| 3     | 6850.071           | -19.16           | -15.88         | -35.04         | -13.00         | -22.04         | peak     | P   |

|       |                    |                  |                |                |                |                |          |     |
|-------|--------------------|------------------|----------------|----------------|----------------|----------------|----------|-----|
| Band: | WCDMA<br>Band IV   | Test<br>channel: | Middle         | Test<br>mode:  | RCM            | Polarization:  | H        |     |
|       |                    |                  |                |                |                |                |          |     |
| No.   | Frequency<br>(MHz) | Reading<br>(dBm) | Factor<br>(dB) | Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | Detector | P/F |
| 1     | 3425.271           | -21.39           | -17.87         | -39.26         | -13.00         | -26.26         | peak     | P   |
| 2     | 5137.671           | -19.93           | -16.82         | -36.75         | -13.00         | -23.75         | peak     | P   |
| 3     | 6850.071           | -19.16           | -15.88         | -35.04         | -13.00         | -22.04         | peak     | P   |

|       |                    |                  |                |                |                |                |          |     |
|-------|--------------------|------------------|----------------|----------------|----------------|----------------|----------|-----|
| Band: | WCDMA<br>Band IV   | Test<br>channel: | Middle         | Test<br>mode:  | RCM            | Polarization:  | V        |     |
|       |                    |                  |                |                |                |                |          |     |
| No.   | Frequency<br>(MHz) | Reading<br>(dBm) | Factor<br>(dB) | Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | Detector | P/F |
| 1     | 3465.623           | -20.53           | -18.01         | -38.54         | -13.00         | -25.54         | peak     | P   |
| 2     | 5198.223           | -19.07           | -16.96         | -36.03         | -13.00         | -23.03         | peak     | P   |
| 3     | 6930.823           | -18.30           | -16.02         | -34.32         | -13.00         | -21.32         | peak     | P   |

|       |                    |                  |                |                |                |                |          |     |
|-------|--------------------|------------------|----------------|----------------|----------------|----------------|----------|-----|
| Band: | WCDMA<br>Band IV   | Test<br>channel: | Highest        | Test<br>mode:  | RCM            | Polarization:  | H        |     |
|       |                    |                  |                |                |                |                |          |     |
| No.   | Frequency<br>(MHz) | Reading<br>(dBm) | Factor<br>(dB) | Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | Detector | P/F |
| 1     | 3505.302           | -21.14           | -17.79         | -38.93         | -13.00         | -25.93         | peak     | P   |
| 2     | 5257.902           | -19.68           | -16.74         | -36.42         | -13.00         | -23.42         | peak     | P   |
| 3     | 7010.502           | -18.91           | -15.80         | -34.71         | -13.00         | -21.71         | peak     | P   |

|       |                    |                  |                |                |                |                |          |     |
|-------|--------------------|------------------|----------------|----------------|----------------|----------------|----------|-----|
| Band: | WCDMA<br>Band IV   | Test<br>channel: | Highest        | Test<br>mode:  | RCM            | Polarization:  | V        |     |
|       |                    |                  |                |                |                |                |          |     |
| No.   | Frequency<br>(MHz) | Reading<br>(dBm) | Factor<br>(dB) | Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | Detector | P/F |
| 1     | 3505.753           | -20.45           | -17.67         | -38.12         | -13.00         | -25.12         | peak     | P   |
| 2     | 5258.353           | -18.99           | -16.62         | -35.61         | -13.00         | -22.61         | peak     | P   |
| 3     | 7010.953           | -18.22           | -15.68         | -33.90         | -13.00         | -20.90         | peak     | P   |

|       |                    |                  |                |                |                |                |          |     |
|-------|--------------------|------------------|----------------|----------------|----------------|----------------|----------|-----|
| Band: | WCDMA<br>Band V    | Test<br>channel: | Lowest         | Test<br>mode:  | RCM            | Polarization:  | H        |     |
|       |                    |                  |                |                |                |                |          |     |
| No.   | Frequency<br>(MHz) | Reading<br>(dBm) | Factor<br>(dB) | Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | Detector | P/F |
| 1     | 1652.902           | -21.96           | -17.84         | -39.80         | -13.00         | -26.80         | peak     | P   |
| 2     | 2479.302           | -20.50           | -16.79         | -37.29         | -13.00         | -24.29         | peak     | P   |
| 3     | 3305.702           | -19.73           | -15.85         | -35.58         | -13.00         | -22.58         | peak     | P   |

|       |                    |                  |                |                |                |                |          |     |
|-------|--------------------|------------------|----------------|----------------|----------------|----------------|----------|-----|
| Band: | WCDMA<br>Band V    | Test<br>channel: | Lowest         | Test<br>mode:  | RCM            | Polarization:  | V        |     |
|       |                    |                  |                |                |                |                |          |     |
| No.   | Frequency<br>(MHz) | Reading<br>(dBm) | Factor<br>(dB) | Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | Detector | P/F |
| 1     | 1653.271           | -21.01           | -17.72         | -38.73         | -13.00         | -25.73         | peak     | P   |
| 2     | 2479.671           | -19.55           | -16.67         | -36.22         | -13.00         | -23.22         | peak     | P   |
| 3     | 3306.071           | -18.78           | -15.73         | -34.51         | -13.00         | -21.51         | peak     | P   |

|       |                    |                  |                |                |                |                |          |     |
|-------|--------------------|------------------|----------------|----------------|----------------|----------------|----------|-----|
| Band: | WCDMA<br>Band V    | Test<br>channel: | Middle         | Test<br>mode:  | RCM            | Polarization:  | H        |     |
|       |                    |                  |                |                |                |                |          |     |
| No.   | Frequency<br>(MHz) | Reading<br>(dBm) | Factor<br>(dB) | Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | Detector | P/F |
| 1     | 1673.302           | -21.01           | -17.74         | -38.75         | -13.00         | -25.75         | peak     | P   |
| 2     | 2509.902           | -19.55           | -16.69         | -36.24         | -13.00         | -23.24         | peak     | P   |
| 3     | 3346.502           | -18.78           | -15.75         | -34.53         | -13.00         | -21.53         | peak     | P   |

|       |                    |                  |                |                |                |                |          |     |
|-------|--------------------|------------------|----------------|----------------|----------------|----------------|----------|-----|
| Band: | WCDMA<br>Band V    | Test<br>channel: | Middle         | Test<br>mode:  | RCM            | Polarization:  | V        |     |
|       |                    |                  |                |                |                |                |          |     |
| No.   | Frequency<br>(MHz) | Reading<br>(dBm) | Factor<br>(dB) | Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | Detector | P/F |
| 1     | 1673.623           | -20.15           | -17.86         | -38.01         | -13.00         | -25.01         | peak     | P   |
| 2     | 2510.223           | -18.69           | -16.81         | -35.50         | -13.00         | -22.50         | peak     | P   |
| 3     | 3346.823           | -17.92           | -15.87         | -33.79         | -13.00         | -20.79         | peak     | P   |

|       |                    |                  |                |                |                |                |          |     |
|-------|--------------------|------------------|----------------|----------------|----------------|----------------|----------|-----|
| Band: | WCDMA<br>Band V    | Test<br>channel: | Highest        | Test<br>mode:  | RCM            | Polarization:  | H        |     |
|       |                    |                  |                |                |                |                |          |     |
| No.   | Frequency<br>(MHz) | Reading<br>(dBm) | Factor<br>(dB) | Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | Detector | P/F |
| 1     | 1693.302           | -20.76           | -17.64         | -38.40         | -13.00         | -25.40         | peak     | P   |
| 2     | 2539.902           | -19.30           | -16.59         | -35.89         | -13.00         | -22.89         | peak     | P   |
| 3     | 3386.502           | -18.53           | -15.65         | -34.18         | -13.00         | -21.18         | peak     | P   |

|       |                    |                  |                |                |                |                |          |     |
|-------|--------------------|------------------|----------------|----------------|----------------|----------------|----------|-----|
| Band: | WCDMA<br>Band V    | Test<br>channel: | Highest        | Test<br>mode:  | RCM            | Polarization:  | V        |     |
|       |                    |                  |                |                |                |                |          |     |
| No.   | Frequency<br>(MHz) | Reading<br>(dBm) | Factor<br>(dB) | Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) | Detector | P/F |
| 1     | 1693.753           | -20.07           | -17.52         | -37.59         | -13.00         | -24.59         | peak     | P   |
| 2     | 2540.353           | -18.61           | -16.47         | -35.08         | -13.00         | -22.08         | peak     | P   |
| 3     | 3386.953           | -17.84           | -15.53         | -33.37         | -13.00         | -20.37         | peak     | P   |

## 4G Part

Note: 1.It was found that the emission value below 1GHz and above 18GHz was below the limit of 20dB, so it was recorded in the report.

2.All mode are tested, and the report only shows the worst mode.of GPSK & maximum bandwidth

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 2               | Test channel: | Lowest      | Test mode:  | 20M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 3701.468        | -23.06        | -17.45      | -40.51      | -13.00      | -27.51        | peak     | P   |
| 2     | 5552.168        | -21.60        | -16.40      | -38.00      | -13.00      | -25.00        | peak     | P   |
| 3     | 7402.868        | -20.83        | -15.46      | -36.29      | -13.00      | -23.29        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 2               | Test channel: | Lowest      | Test mode:  | 20M         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 3701.837        | -22.11        | -17.33      | -39.44      | -13.00      | -26.44        | peak     | P   |
| 2     | 5552.537        | -20.65        | -16.28      | -36.93      | -13.00      | -23.93        | peak     | P   |
| 3     | 7403.237        | -19.88        | -15.34      | -35.22      | -13.00      | -22.22        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 2               | Test channel: | Middle      | Test mode:  | 20M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 3760.068        | -22.11        | -17.35      | -39.46      | -13.00      | -26.46        | peak     | P   |
| 2     | 5640.068        | -20.65        | -16.30      | -36.95      | -13.00      | -23.95        | peak     | P   |
| 3     | 7520.068        | -19.88        | -15.36      | -35.24      | -13.00      | -22.24        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 2               | Test channel: | Middle      | Test mode:  | 20M         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 3760.389        | -21.25        | -17.47      | -38.72      | -13.00      | -25.72        | peak     | P   |
| 2     | 5640.389        | -19.79        | -16.42      | -36.21      | -13.00      | -23.21        | peak     | P   |
| 3     | 7520.389        | -19.02        | -15.48      | -34.50      | -13.00      | -21.50        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 2               | Test channel: | Highest     | Test mode:  | 20M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 3818.668        | -21.86        | -17.25      | -39.11      | -13.00      | -26.11        | peak     | P   |
| 2     | 5727.968        | -20.40        | -16.20      | -36.60      | -13.00      | -23.60        | peak     | P   |
| 3     | 7637.268        | -19.63        | -15.26      | -34.89      | -13.00      | -21.89        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 2               | Test channel: | Highest     | Test mode:  | 20M         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 3819.119        | -21.17        | -17.13      | -38.30      | -13.00      | -25.30        | peak     | P   |
| 2     | 5728.419        | -19.71        | -16.08      | -35.79      | -13.00      | -22.79        | peak     | P   |
| 3     | 7637.719        | -18.94        | -15.14      | -34.08      | -13.00      | -21.08        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 4               | Test channel: | Lowest      | Test mode:  | 20M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 3435.152        | -23.67        | -17.62      | -41.29      | -13.00      | -28.29        | peak     | P   |
| 2     | 5152.652        | -22.21        | -16.57      | -38.78      | -13.00      | -25.78        | peak     | P   |
| 3     | 6870.152        | -21.44        | -15.63      | -37.07      | -13.00      | -24.07        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 4               | Test channel: | Lowest      | Test mode:  | 20M         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 3435.521        | -22.72        | -17.50      | -40.22      | -13.00      | -27.22        | peak     | P   |
| 2     | 5153.021        | -21.26        | -16.45      | -37.71      | -13.00      | -24.71        | peak     | P   |
| 3     | 6870.521        | -20.49        | -15.51      | -36.00      | -13.00      | -23.00        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 4               | Test channel: | Middle      | Test mode:  | 20M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 3465.152        | -22.72        | -17.52      | -40.24      | -13.00      | -27.24        | peak     | P   |
| 2     | 5197.652        | -21.26        | -16.47      | -37.73      | -13.00      | -24.73        | peak     | P   |
| 3     | 6930.152        | -20.49        | -15.53      | -36.02      | -13.00      | -23.02        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 4               | Test channel: | Middle      | Test mode:  | 20M         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 3465.473        | -21.86        | -17.64      | -39.50      | -13.00      | -26.50        | peak     | P   |
| 2     | 5197.973        | -20.40        | -16.59      | -36.99      | -13.00      | -23.99        | peak     | P   |
| 3     | 6930.473        | -19.63        | -15.65      | -35.28      | -13.00      | -22.28        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 4               | Test channel: | Highest     | Test mode:  | 20M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 3495.152        | -22.47        | -17.42      | -39.89      | -13.00      | -26.89        | peak     | P   |
| 2     | 5242.652        | -21.01        | -16.37      | -37.38      | -13.00      | -24.38        | peak     | P   |
| 3     | 6990.152        | -20.24        | -15.43      | -35.67      | -13.00      | -22.67        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 4               | Test channel: | Highest     | Test mode:  | 20M         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 3495.603        | -21.78        | -17.30      | -39.08      | -13.00      | -26.08        | peak     | P   |
| 2     | 5243.103        | -20.32        | -16.25      | -36.57      | -13.00      | -23.57        | peak     | P   |
| 3     | 6990.603        | -19.55        | -15.31      | -34.86      | -13.00      | -21.86        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 5               | Test channel: | Lowest      | Test mode:  | 10M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1650.324        | -24.23        | -17.42      | -41.65      | -13.00      | -28.65        | peak     | P   |
| 2     | 2475.024        | -22.77        | -16.37      | -39.14      | -13.00      | -26.14        | peak     | P   |
| 3     | 3299.724        | -22.00        | -15.43      | -37.43      | -13.00      | -24.43        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 5               | Test channel: | Lowest      | Test mode:  | 10M         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1650.693        | -23.28        | -17.30      | -40.58      | -13.00      | -27.58        | peak     | P   |
| 2     | 2475.393        | -21.82        | -16.25      | -38.07      | -13.00      | -25.07        | peak     | P   |
| 3     | 3300.093        | -21.05        | -15.31      | -36.36      | -13.00      | -23.36        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 5               | Test channel: | Middle      | Test mode:  | 10M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1674.245        | -22.42        | -17.44      | -39.86      | -13.00      | -26.86        | peak     | P   |
| 2     | 2510.745        | -20.96        | -16.39      | -37.35      | -13.00      | -24.35        | peak     | P   |
| 3     | 3347.245        | -20.19        | -15.45      | -35.64      | -13.00      | -22.64        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 5               | Test channel: | Middle      | Test mode:  | 10M         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1697.524        | -23.03        | -17.22      | -40.25      | -13.00      | -27.25        | peak     | P   |
| 2     | 2545.824        | -21.57        | -16.17      | -37.74      | -13.00      | -24.74        | peak     | P   |
| 3     | 3394.124        | -20.80        | -15.23      | -36.03      | -13.00      | -23.03        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 5               | Test channel: | Highest     | Test mode:  | 10M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1697.524        | -23.03        | -17.22      | -40.25      | -13.00      | -27.25        | peak     | P   |
| 2     | 2545.824        | -21.57        | -16.17      | -37.74      | -13.00      | -24.74        | peak     | P   |
| 3     | 3394.124        | -20.80        | -15.23      | -36.03      | -13.00      | -23.03        | peak     | P   |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |               |             |             |             |               |          |     |                 |               |             |             |             |             |          |     |   |          |        |        |        |        |        |      |   |   |          |        |        |        |        |        |      |   |   |          |        |        |        |        |        |      |   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|-----------------|---------------|-------------|-------------|-------------|-------------|----------|-----|---|----------|--------|--------|--------|--------|--------|------|---|---|----------|--------|--------|--------|--------|--------|------|---|---|----------|--------|--------|--------|--------|--------|------|---|
| Band:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 5               | Test channel: | Highest     | Test mode:  | 20M         | Polarization: | V        |     |                 |               |             |             |             |             |          |     |   |          |        |        |        |        |        |      |   |   |          |        |        |        |        |        |      |   |   |          |        |        |        |        |        |      |   |
| <table><tr><td>No.</td><td>Frequency (MHz)</td><td>Reading (dBm)</td><td>Factor (dB)</td><td>Level (dBm)</td><td>Limit (dBm)</td><td>Margin (dB)</td><td>Detector</td><td>P/F</td></tr><tr><td>1</td><td>1697.975</td><td>-22.34</td><td>-17.10</td><td>-39.44</td><td>-13.00</td><td>-26.44</td><td>peak</td><td>P</td></tr><tr><td>2</td><td>2546.275</td><td>-20.88</td><td>-16.05</td><td>-36.93</td><td>-13.00</td><td>-23.93</td><td>peak</td><td>P</td></tr><tr><td>3</td><td>3394.575</td><td>-20.11</td><td>-15.11</td><td>-35.22</td><td>-13.00</td><td>-22.22</td><td>peak</td><td>P</td></tr></table> |                 |               |             |             |             |               |          | No. | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB) | Detector | P/F | 1 | 1697.975 | -22.34 | -17.10 | -39.44 | -13.00 | -26.44 | peak | P | 2 | 2546.275 | -20.88 | -16.05 | -36.93 | -13.00 | -23.93 | peak | P | 3 | 3394.575 | -20.11 | -15.11 | -35.22 | -13.00 | -22.22 | peak | P |
| No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |                 |               |             |             |             |             |          |     |   |          |        |        |        |        |        |      |   |   |          |        |        |        |        |        |      |   |   |          |        |        |        |        |        |      |   |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1697.975        | -22.34        | -17.10      | -39.44      | -13.00      | -26.44        | peak     | P   |                 |               |             |             |             |             |          |     |   |          |        |        |        |        |        |      |   |   |          |        |        |        |        |        |      |   |   |          |        |        |        |        |        |      |   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2546.275        | -20.88        | -16.05      | -36.93      | -13.00      | -23.93        | peak     | P   |                 |               |             |             |             |             |          |     |   |          |        |        |        |        |        |      |   |   |          |        |        |        |        |        |      |   |   |          |        |        |        |        |        |      |   |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3394.575        | -20.11        | -15.11      | -35.22      | -13.00      | -22.22        | peak     | P   |                 |               |             |             |             |             |          |     |   |          |        |        |        |        |        |      |   |   |          |        |        |        |        |        |      |   |   |          |        |        |        |        |        |      |   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 12              | Test channel: | Lowest      | Test mode:  | 10M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1650.324        | -21.99        | -16.32      | -38.31      | -13.00      | -25.31        | peak     | P   |
| 2     | 2475.024        | -20.53        | -15.27      | -35.80      | -13.00      | -22.80        | peak     | P   |
| 3     | 3299.724        | -19.76        | -14.33      | -34.09      | -13.00      | -21.09        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 12              | Test channel: | Lowest      | Test mode:  | 10M         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1650.693        | -21.04        | -16.20      | -37.24      | -13.00      | -24.24        | peak     | P   |
| 2     | 2475.393        | -19.58        | -15.15      | -34.73      | -13.00      | -21.73        | peak     | P   |
| 3     | 3300.093        | -18.81        | -14.21      | -33.02      | -13.00      | -20.02        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 12              | Test channel: | Middle      | Test mode:  | 10M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1673.924        | -21.04        | -16.22      | -37.26      | -13.00      | -24.26        | peak     | P   |
| 2     | 2510.424        | -19.58        | -15.17      | -34.75      | -13.00      | -21.75        | peak     | P   |
| 3     | 3346.924        | -18.81        | -14.23      | -33.04      | -13.00      | -20.04        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 12              | Test channel: | Middle      | Test mode:  | 10M         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1674.245        | -20.18        | -16.34      | -36.52      | -13.00      | -23.52        | peak     | P   |
| 2     | 2510.745        | -18.72        | -15.29      | -34.01      | -13.00      | -21.01        | peak     | P   |
| 3     | 3347.245        | -17.95        | -14.35      | -32.30      | -13.00      | -19.30        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 12              | Test channel: | Highest     | Test mode:  | 10M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1697.524        | -20.79        | -16.12      | -36.91      | -13.00      | -23.91        | peak     | P   |
| 2     | 2545.824        | -19.33        | -15.07      | -34.40      | -13.00      | -21.40        | peak     | P   |
| 3     | 3394.124        | -18.56        | -14.13      | -32.69      | -13.00      | -19.69        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 12              | Test channel: | Highest     | Test mode:  | 10M         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1697.975        | -20.10        | -16.00      | -36.10      | -13.00      | -23.10        | peak     | P   |
| 2     | 2546.275        | -18.64        | -14.95      | -33.59      | -13.00      | -20.59        | peak     | P   |
| 3     | 3394.575        | -17.87        | -14.01      | -31.88      | -13.00      | -18.88        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 13              | Test channel: | Lowest      | Test mode:  | 10M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1559.826        | -27.61        | -16.57      | -44.18      | -40.00      | -4.18         | peak     | P   |
| 2     | 2339.326        | -26.15        | -15.52      | -41.67      | -13.00      | -28.67        | peak     | P   |
| 3     | 3118.826        | -25.38        | -14.58      | -39.96      | -13.00      | -26.96        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 13              | Test channel: | Lowest      | Test mode:  | 10M         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1560.195        | -26.66        | -16.45      | -43.11      | -40.00      | -3.11         | peak     | P   |
| 2     | 2339.695        | -25.20        | -15.40      | -40.60      | -13.00      | -27.60        | peak     | P   |
| 3     | 3119.195        | -24.43        | -14.46      | -38.89      | -13.00      | -25.89        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 13              | Test channel: | Middle      | Test mode:  | 10M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1564.804        | -26.66        | -16.47      | -43.13      | -40.00      | -3.13         | peak     | P   |
| 2     | 2346.804        | -25.20        | -15.42      | -40.62      | -13.00      | -27.62        | peak     | P   |
| 3     | 3128.804        | -24.43        | -14.48      | -38.91      | -13.00      | -25.91        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 13              | Test channel: | Middle      | Test mode:  | 10M         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1565.125        | -25.80        | -16.59      | -42.39      | -40.00      | -2.39         | peak     | P   |
| 2     | 2347.125        | -24.34        | -15.54      | -39.88      | -13.00      | -26.88        | peak     | P   |
| 3     | 3129.125        | -23.57        | -14.60      | -38.17      | -13.00      | -25.17        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 13              | Test channel: | Highest     | Test mode:  | 10M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1569.703        | -26.41        | -16.37      | -42.78      | -40.00      | -2.78         | peak     | P   |
| 2     | 2354.203        | -24.95        | -15.32      | -40.27      | -13.00      | -27.27        | peak     | P   |
| 3     | 3138.703        | -24.18        | -14.38      | -38.56      | -13.00      | -25.56        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 13              | Test channel: | Highest     | Test mode:  | 10M         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1570.154        | -25.72        | -16.25      | -41.97      | -40.00      | -1.97         | peak     | P   |
| 2     | 2354.654        | -24.26        | -15.20      | -39.46      | -13.00      | -26.46        | peak     | P   |
| 3     | 3139.154        | -23.49        | -14.26      | -37.75      | -13.00      | -24.75        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 17              | Test channel: | Lowest      | Test mode:  | 10M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 3701.410        | -26.09        | -16.15      | -42.24      | -13.00      | -29.24        | peak     | P   |
| 2     | 5552.110        | -24.63        | -15.10      | -39.73      | -13.00      | -26.73        | peak     | P   |
| 3     | 7402.810        | -23.86        | -14.16      | -38.02      | -13.00      | -25.02        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 17              | Test channel: | Lowest      | Test mode:  | 10M         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 3701.779        | -25.14        | -16.03      | -41.17      | -13.00      | -28.17        | peak     | P   |
| 2     | 5552.479        | -23.68        | -14.98      | -38.66      | -13.00      | -25.66        | peak     | P   |
| 3     | 7403.179        | -22.91        | -14.04      | -36.95      | -13.00      | -23.95        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 17              | Test channel: | Middle      | Test mode:  | 10M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 3764.988        | -25.14        | -16.05      | -41.19      | -13.00      | -28.19        | peak     | P   |
| 2     | 5647.488        | -23.68        | -15.00      | -38.68      | -13.00      | -25.68        | peak     | P   |
| 3     | 7529.988        | -22.91        | -14.06      | -36.97      | -13.00      | -23.97        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 17              | Test channel: | Middle      | Test mode:  | 10M         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 3765.309        | -24.28        | -16.17      | -40.45      | -13.00      | -27.45        | peak     | P   |
| 2     | 5647.809        | -22.82        | -15.12      | -37.94      | -13.00      | -24.94        | peak     | P   |
| 3     | 7530.309        | -22.05        | -14.18      | -36.23      | -13.00      | -23.23        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 17              | Test channel: | Highest     | Test mode:  | 10M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 3828.487        | -24.89        | -15.95      | -40.84      | -13.00      | -27.84        | peak     | P   |
| 2     | 5742.787        | -23.43        | -14.90      | -38.33      | -13.00      | -25.33        | peak     | P   |
| 3     | 7657.087        | -22.66        | -13.96      | -36.62      | -13.00      | -23.62        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 17              | Test channel: | Highest     | Test mode:  | 10M         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 3828.938        | -24.20        | -15.83      | -40.03      | -13.00      | -27.03        | peak     | P   |
| 2     | 5743.238        | -22.74        | -14.78      | -37.52      | -13.00      | -24.52        | peak     | P   |
| 3     | 7657.538        | -21.97        | -13.84      | -35.81      | -13.00      | -22.81        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 26 (a)          | Test channel: | Lowest      | Test mode:  | 15M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1629.410        | -26.09        | -16.15      | -42.24      | -13.00      | -29.24        | peak     | P   |
| 2     | 2444.110        | -24.63        | -15.10      | -39.73      | -13.00      | -26.73        | peak     | P   |
| 3     | 3258.810        | -23.86        | -14.16      | -38.02      | -13.00      | -25.02        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 26 (a)          | Test channel: | Lowest      | Test mode:  | 15M         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1629.779        | -25.14        | -16.03      | -41.17      | -13.00      | -28.17        | peak     | P   |
| 2     | 2444.479        | -23.68        | -14.98      | -38.66      | -13.00      | -25.66        | peak     | P   |
| 3     | 3259.179        | -22.91        | -14.04      | -36.95      | -13.00      | -23.95        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 26 (a)          | Test channel: | Middle      | Test mode:  | 15M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1637.988        | -25.14        | -16.05      | -41.19      | -13.00      | -28.19        | peak     | P   |
| 2     | 2456.988        | -23.68        | -15.00      | -38.68      | -13.00      | -25.68        | peak     | P   |
| 3     | 3275.988        | -22.91        | -14.06      | -36.97      | -13.00      | -23.97        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 26 (a)          | Test channel: | Middle      | Test mode:  | 15M         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1638.309        | -24.28        | -16.17      | -40.45      | -13.00      | -27.45        | peak     | P   |
| 2     | 2457.309        | -22.82        | -15.12      | -37.94      | -13.00      | -24.94        | peak     | P   |
| 3     | 3276.309        | -22.05        | -14.18      | -36.23      | -13.00      | -23.23        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 26 (a)          | Test channel: | Highest     | Test mode:  | 15M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1646.487        | -24.89        | -15.95      | -40.84      | -13.00      | -27.84        | peak     | P   |
| 2     | 2469.787        | -23.43        | -14.90      | -38.33      | -13.00      | -25.33        | peak     | P   |
| 3     | 3293.087        | -22.66        | -13.96      | -36.62      | -13.00      | -23.62        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 26 (a)          | Test channel: | Highest     | Test mode:  | 15M         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1646.938        | -24.20        | -15.83      | -40.03      | -13.00      | -27.03        | peak     | P   |
| 2     | 2470.238        | -22.74        | -14.78      | -37.52      | -13.00      | -24.52        | peak     | P   |
| 3     | 3293.538        | -21.97        | -13.84      | -35.81      | -13.00      | -22.81        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 26 (b)          | Test channel: | Lowest      | Test mode:  | 15M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1649.410        | -23.99        | -15.66      | -39.65      | -13.00      | -26.65        | peak     | P   |
| 2     | 2474.110        | -22.53        | -14.61      | -37.14      | -13.00      | -24.14        | peak     | P   |
| 3     | 3298.810        | -21.76        | -13.67      | -35.43      | -13.00      | -22.43        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 26 (b)          | Test channel: | Lowest      | Test mode:  | 15M         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1649.779        | -23.04        | -15.54      | -38.58      | -13.00      | -25.58        | peak     | P   |
| 2     | 2474.479        | -21.58        | -14.49      | -36.07      | -13.00      | -23.07        | peak     | P   |
| 3     | 3299.179        | -20.81        | -13.55      | -34.36      | -13.00      | -21.36        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 26 (b)          | Test channel: | Middle      | Test mode:  | 15M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1672.988        | -23.04        | -15.56      | -38.60      | -13.00      | -25.60        | peak     | P   |
| 2     | 2509.488        | -21.58        | -14.51      | -36.09      | -13.00      | -23.09        | peak     | P   |
| 3     | 3345.988        | -20.81        | -13.57      | -34.38      | -13.00      | -21.38        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 26 (b)          | Test channel: | Middle      | Test mode:  | 15M         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1673.309        | -22.18        | -15.68      | -37.86      | -13.00      | -24.86        | peak     | P   |
| 2     | 2509.809        | -20.72        | -14.63      | -35.35      | -13.00      | -22.35        | peak     | P   |
| 3     | 3346.309        | -19.95        | -13.69      | -33.64      | -13.00      | -20.64        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 26 (b)          | Test channel: | Highest     | Test mode:  | 15M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1696.487        | -22.79        | -15.46      | -38.25      | -13.00      | -25.25        | peak     | P   |
| 2     | 2544.787        | -21.33        | -14.41      | -35.74      | -13.00      | -22.74        | peak     | P   |
| 3     | 3393.087        | -20.56        | -13.47      | -34.03      | -13.00      | -21.03        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 26 (b)          | Test channel: | Highest     | Test mode:  | 15M         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1696.938        | -22.10        | -15.34      | -37.44      | -13.00      | -24.44        | peak     | P   |
| 2     | 2545.238        | -20.64        | -14.29      | -34.93      | -13.00      | -21.93        | peak     | P   |
| 3     | 3393.538        | -19.87        | -13.35      | -33.22      | -13.00      | -20.22        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 41              | Test channel: | Lowest      | Test mode:  | 20M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 4997.010        | -23.23        | -16.33      | -39.56      | -25.00      | -14.56        | peak     | P   |
| 2     | 7495.510        | -21.77        | -15.28      | -37.05      | -25.00      | -12.05        | peak     | P   |
| 3     | 9994.010        | -21.00        | -14.34      | -35.34      | -25.00      | -10.34        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 41              | Test channel: | Lowest      | Test mode:  | 20M         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 4997.379        | -22.28        | -16.21      | -38.49      | -25.00      | -13.49        | peak     | P   |
| 2     | 7495.879        | -20.82        | -15.16      | -35.98      | -25.00      | -10.98        | peak     | P   |
| 3     | 9994.379        | -20.05        | -14.22      | -34.27      | -25.00      | -9.27         | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 41              | Test channel: | Middle      | Test mode:  | 20M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 5185.988        | -22.28        | -16.23      | -38.51      | -25.00      | -13.51        | peak     | P   |
| 2     | 7778.988        | -20.82        | -15.18      | -36.00      | -25.00      | -11.00        | peak     | P   |
| 3     | 10371.988       | -20.05        | -14.24      | -34.29      | -25.00      | -9.29         | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 41              | Test channel: | Middle      | Test mode:  | 20M         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 5186.309        | -21.42        | -16.35      | -37.77      | -25.00      | -12.77        | peak     | P   |
| 2     | 7779.309        | -19.96        | -15.30      | -35.26      | -25.00      | -10.26        | peak     | P   |
| 3     | 10372.309       | -19.19        | -14.36      | -33.55      | -25.00      | -8.55         | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 41              | Test channel: | Highest     | Test mode:  | 20M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 5374.887        | -22.03        | -16.13      | -38.16      | -25.00      | -13.16        | peak     | P   |
| 2     | 8062.387        | -20.57        | -15.08      | -35.65      | -25.00      | -10.65        | peak     | P   |
| 3     | 10749.887       | -19.80        | -14.14      | -33.94      | -25.00      | -8.94         | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 41              | Test channel: | Highest     | Test mode:  | 20M         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 5375.338        | -21.34        | -16.01      | -37.35      | -25.00      | -12.35        | peak     | P   |
| 2     | 8062.838        | -19.88        | -14.96      | -34.84      | -25.00      | -9.84         | peak     | P   |
| 3     | 10750.338       | -19.11        | -14.02      | -33.13      | -25.00      | -8.13         | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 66              | Test channel: | Lowest      | Test mode:  | 20M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 3421.525        | -22.14        | -16.99      | -39.13      | -13.00      | -26.13        | peak     | P   |
| 2     | 5132.225        | -20.68        | -15.94      | -36.62      | -13.00      | -23.62        | peak     | P   |
| 3     | 6842.925        | -19.91        | -15.00      | -34.91      | -13.00      | -21.91        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 66              | Test channel: | Lowest      | Test mode:  | 20M         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 3421.894        | -21.19        | -16.87      | -38.06      | -13.00      | -25.06        | peak     | P   |
| 2     | 5132.594        | -19.73        | -15.82      | -35.55      | -13.00      | -22.55        | peak     | P   |
| 3     | 6843.294        | -18.96        | -14.88      | -33.84      | -13.00      | -20.84        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 66              | Test channel: | Middle      | Test mode:  | 20M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 3490.103        | -21.19        | -16.89      | -38.08      | -13.00      | -25.08        | peak     | P   |
| 2     | 5235.103        | -19.73        | -15.84      | -35.57      | -13.00      | -22.57        | peak     | P   |
| 3     | 6980.103        | -18.96        | -14.90      | -33.86      | -13.00      | -20.86        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 66              | Test channel: | Middle      | Test mode:  | 20M         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 3490.103        | -21.19        | -16.89      | -38.08      | -13.00      | -25.08        | peak     | P   |
| 2     | 5235.103        | -19.73        | -15.84      | -35.57      | -13.00      | -22.57        | peak     | P   |
| 3     | 6980.103        | -18.96        | -14.90      | -33.86      | -13.00      | -20.86        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 66              | Test channel: | Highest     | Test mode:  | 20M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 3558.602        | -20.94        | -16.79      | -37.73      | -13.00      | -24.73        | peak     | P   |
| 2     | 5337.902        | -19.48        | -15.74      | -35.22      | -13.00      | -22.22        | peak     | P   |
| 3     | 7117.202        | -18.71        | -14.80      | -33.51      | -13.00      | -20.51        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 66              | Test channel: | Highest     | Test mode:  | 20M         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 3559.053        | -20.25        | -16.67      | -36.92      | -13.00      | -23.92        | peak     | P   |
| 2     | 5338.353        | -18.79        | -15.62      | -34.41      | -13.00      | -21.41        | peak     | P   |
| 3     | 7117.653        | -18.02        | -14.68      | -32.70      | -13.00      | -19.70        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 71              | Test channel: | Lowest      | Test mode:  | 20M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1331.112        | -23.09        | -16.65      | -39.74      | -13.00      | -26.74        | peak     | P   |
| 2     | 1996.612        | -21.63        | -15.60      | -37.23      | -13.00      | -24.23        | peak     | P   |
| 3     | 2662.112        | -20.86        | -14.66      | -35.52      | -13.00      | -22.52        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 71              | Test channel: | Lowest      | Test mode:  | 20M         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1331.481        | -22.14        | -16.53      | -38.67      | -13.00      | -25.67        | peak     | P   |
| 2     | 1996.981        | -20.68        | -15.48      | -36.16      | -13.00      | -23.16        | peak     | P   |
| 3     | 2662.481        | -19.91        | -14.54      | -34.45      | -13.00      | -21.45        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 71              | Test channel: | Middle      | Test mode:  | 20M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1361.090        | -22.14        | -16.55      | -38.69      | -13.00      | -25.69        | peak     | P   |
| 2     | 2041.590        | -20.68        | -15.50      | -36.18      | -13.00      | -23.18        | peak     | P   |
| 3     | 2722.090        | -19.91        | -14.56      | -34.47      | -13.00      | -21.47        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 71              | Test channel: | Middle      | Test mode:  | 20M         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1361.411        | -21.28        | -16.67      | -37.95      | -13.00      | -24.95        | peak     | P   |
| 2     | 2041.911        | -19.82        | -15.62      | -35.44      | -13.00      | -22.44        | peak     | P   |
| 3     | 2722.411        | -19.05        | -14.68      | -33.73      | -13.00      | -20.73        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 71              | Test channel: | Highest     | Test mode:  | 20M         | Polarization: | H        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1370.989        | -21.89        | -16.45      | -38.34      | -13.00      | -25.34        | peak     | P   |
| 2     | 2056.489        | -20.43        | -15.40      | -35.83      | -13.00      | -22.83        | peak     | P   |
| 3     | 2741.989        | -19.66        | -14.46      | -34.12      | -13.00      | -21.12        | peak     | P   |

|       |                 |               |             |             |             |               |          |     |
|-------|-----------------|---------------|-------------|-------------|-------------|---------------|----------|-----|
| Band: | 71              | Test channel: | Highest     | Test mode:  | 20M         | Polarization: | V        |     |
|       |                 |               |             |             |             |               |          |     |
| No.   | Frequency (MHz) | Reading (dBm) | Factor (dB) | Level (dBm) | Limit (dBm) | Margin (dB)   | Detector | P/F |
| 1     | 1371.440        | -21.20        | -16.33      | -37.53      | -13.00      | -24.53        | peak     | P   |
| 2     | 2056.940        | -19.74        | -15.28      | -35.02      | -13.00      | -22.02        | peak     | P   |
| 3     | 2742.440        | -18.97        | -14.34      | -33.31      | -13.00      | -20.31        | peak     | P   |

## ANNEX B TEST SETUP PHOTOS

**Band edge emissions (Radiated)**  
**Emissions in frequency bands (above 1GHz)**



**Emissions in frequency bands (below 1GHz)**



## **ANNEX C EUT PHOTOS**

Please refer to the test report NO. BTF231114R00401



Test Report Number: BTF231114R00404



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**--END OF REPORT--**