

# **FCC REPORT**

## **(LTE)**

**Applicant:** HMD global Oy

**Address of Applicant:** Bertel Jungin aukio 9, 02600 Espoo, Finland

**Equipment Under Test (EUT)**

Product Name: Smart Phone

Model No.: TA-1367

Trade mark: NOKIA

**FCC ID:** 2AJOTTA-1367

**Applicable standards:** FCC CFR Title 47 Part 2  
FCC CFR Title 47 Part 22 Subpart H  
FCC CFR Title 47 Part 24 Subpart E  
FCC CFR Title 47 Part 27 Subpart L  
FCC CFR Title 47 Part 27 Subpart M  
FCC CFR Title 47 Part 27 Subpart H  
FCC CFR Title 47 Part 27 Subpart E

**Date of sample receipt:** 19 Aug., 2021

**Date of Test:** 20 Aug., to 28 Aug., 2021

**Date of report issued:** 16 Sep., 2021

**Test Result:** PASS\*

\* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Bruce Zhang  
Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the JYT product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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## 2. Version

| Version No. | Date          | Description |
|-------------|---------------|-------------|
| 00          | 16 Sep., 2021 | Original    |
|             |               |             |
|             |               |             |
|             |               |             |

According to the declaration from the applicant, the models: TA-1370 and TA-1367 are identical in specifications, only different SIM adapter, TA-1370 supports dual sim mode, TA-1367 supports only single sim mode.

Therefore in this report all items do not need to retest and all test data in this report are based on the previous report with report number: JYTSZB-R12-2101708

Tested by:



Test Engineer

Date:

16 Sep., 2021

Reviewed by:



Project Engineer

Date:

16 Sep., 2021

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## 4. Test Summary

| Test Items                                                                                                                                                                                               | Section in CFR 47                                                                                                       | Result                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| RF Output Power<br>Effective Radiated Power and<br>Effective Isotropic Radiated<br>Power                                                                                                                 | Part 2.1046<br>Part 22.913 (a)(5)<br>Part 24.232 (c)<br>Part 27.50 (c)(10)<br>Part 27.50 (d)(4)<br>Part 27.50 (h)(2)    | Refer to the report: SRTC2021-9004(F)-21082802(C) |
| Peak-to-Average Ratio                                                                                                                                                                                    | Part 24.232 (d)<br>Part 22.913 (d)<br>Part 27.50(d)(5)                                                                  | Refer to the report: SRTC2021-9004(F)-21082802(C) |
| Occupied Bandwidth                                                                                                                                                                                       | Part 2.1049                                                                                                             | Refer to the report: SRTC2021-9004(F)-21082802(C) |
| Emission Bandwidth                                                                                                                                                                                       | Part 2.1049                                                                                                             | Refer to the report: SRTC2021-9004(F)-21082802(C) |
| Spurious Emissions at antenna<br>terminals                                                                                                                                                               | Part 2.1051<br>Part 22.917(a)<br>Part 24.238 (a)<br>Part 27.53 (g)<br>Part 27.53 (h)<br>Part 27.53(m)                   | Refer to the report: SRTC2021-9004(F)-21082802(C) |
| Band Edges Compliance                                                                                                                                                                                    | Part 2.1051<br>Part 22.917(a)<br>Part 24.238 (a)<br>Part 27.53 (c)<br>Part 27.53 (g)<br>Part 27.53 (h)<br>Part 27.53(m) | Refer to the report: SRTC2021-9004(F)-21082802(C) |
| Field strength of spurious radiation                                                                                                                                                                     | Part 22.917(a)<br>Part 24.238 (a)<br>Part 27.53 (c)<br>Part 27.53 (g)<br>Part 27.53 (h)<br>Part 27.53(m)                | Pass                                              |
| Frequency stability                                                                                                                                                                                      | Part 22.355<br>Part 24.235<br>Part 27.54<br>Part 2.1055(d)(2)                                                           | Refer to the report: SRTC2021-9004(F)-21082802(C) |
| <b>Remark:</b><br>1. Pass: The EUT complies with the essential requirements in the standard.<br>2. The report: SRTC2021-9004(F)-21082802(C), issued by The State Radio_monitoring_center Testing Center. |                                                                                                                         |                                                   |
| <b>Test Method:</b>                                                                                                                                                                                      | ANSI/TIA-603-E-2016<br>ANSI C63.26-2015                                                                                 |                                                   |

## 5. General Information

### 5.1 Client Information

|                        |                                             |
|------------------------|---------------------------------------------|
| Applicant:             | HMD global Oy                               |
| Address:               | Bertel Jungin aukio 9, 02600 Espoo, Finland |
| Manufacturer/ Factory: | HMD global Oy                               |
| Address:               | Bertel Jungin aukio 9, 02600 Espoo, Finland |

### 5.2 General Description of E.U.T.

|                            |                                                            |                                          |                                           |                                           |
|----------------------------|------------------------------------------------------------|------------------------------------------|-------------------------------------------|-------------------------------------------|
| Product Name:              | Smart Phone                                                |                                          |                                           |                                           |
| Model No.:                 | TA-1367                                                    |                                          |                                           |                                           |
| Operation Frequency range: | LTE Band 2:                                                | Tx: 1850 MHz - 1910 MHz                  | Rx: 1930 MHz - 1990 MHz                   |                                           |
|                            | LTE Band 4:                                                | Tx: 1710 MHz - 1755 MHz                  | Rx: 2110 MHz - 2155 MHz                   |                                           |
|                            | LTE Band 5:                                                | Tx: 824 MHz - 849 MHz                    | Rx: 869 MHz - 894 MHz                     |                                           |
|                            | LTE Band 7:                                                | Tx: 2500 MHz - 2570 MHz                  | Rx: 2620 MHz - 2690 MHz                   |                                           |
|                            | LTE Band 12:                                               | Tx: 699 MHz - 716 MHz                    | Rx: 729 MHz - 746 MHz                     |                                           |
|                            | LTE Band 13:                                               | Tx: 777 MHz - 787 MHz                    | Rx: 746 MHz - 756 MHz                     |                                           |
|                            | LTE Band 17:                                               | Tx: 704 MHz – 716 MHz                    | Rx: 734 MHz - 746 MHz                     |                                           |
|                            | LTE Band 38:                                               | Tx: 2570 MHz - 2620 MHz                  | Rx: 2570 MHz - 2620 MHz                   |                                           |
|                            | LTE Band 41:                                               | Tx: 2496 MHz - 2690 MHz                  | Rx: 2496 MHz - 2690 MHz                   |                                           |
|                            | LTE Band 66:                                               | Tx: 1710 MHz - 1780 MHz                  | Rx: 2110 MHz - 2200 MHz                   |                                           |
|                            | LTE Band CA_7C                                             | Tx: 2500 MHz - 2700 MHz                  | Rx: 2620 MHz - 2690 MHz                   |                                           |
|                            | LTE Band CA_38C                                            | Tx: 2570 MHz - 2620 MHz                  | Rx: 2570 MHz - 2620 MHz                   |                                           |
|                            | LTE Band CA_41C                                            | Tx: 2496 MHz - 2690 MHz                  | Rx: 2496 MHz - 2690 MHz                   |                                           |
|                            | Modulation type:                                           | <input checked="" type="checkbox"/> QPSK | <input checked="" type="checkbox"/> 16QAM | <input checked="" type="checkbox"/> 64QAM |
| Antenna type:              | Internal Antenna                                           |                                          |                                           |                                           |
| Antenna gain:              | LTE Band 2:                                                | -2.50 dBi(declare by Applicant)          |                                           |                                           |
|                            | LTE Band 4:                                                | -2.50 dBi(declare by Applicant)          |                                           |                                           |
|                            | LTE Band 5:                                                | -3.50 dBi(declare by Applicant)          |                                           |                                           |
|                            | LTE Band 7:                                                | -2.00 dBi(declare by Applicant)          |                                           |                                           |
|                            | LTE Band 12:                                               | -4.00 dBi(declare by Applicant)          |                                           |                                           |
|                            | LTE Band 13:                                               | -4.00 dBi(declare by Applicant)          |                                           |                                           |
|                            | LTE Band 17:                                               | -4.00 dBi(declare by Applicant)          |                                           |                                           |
|                            | LTE Band 38:                                               | -2.00 dBi(declare by Applicant)          |                                           |                                           |
|                            | LTE Band 41:                                               | -2.00 dBi(declare by Applicant)          |                                           |                                           |
|                            | LTE Band 66:                                               | -2.50 dBi(declare by Applicant)          |                                           |                                           |
| Power supply:              | Rechargeable Lithium ion Polymer Battery DC3.85V, 4.85Ah   |                                          |                                           |                                           |
| AC adapter:                | Adapter 1:                                                 |                                          |                                           |                                           |
|                            | Model: TN-050200U3, TN-050200E3, TN-050200C3A              |                                          |                                           |                                           |
|                            | Input: AC100-240V, 50/60Hz, 0.35A                          |                                          |                                           |                                           |
|                            | Output: DC 5.0V, 2.0A 10.0W                                |                                          |                                           |                                           |
|                            | Note: Only the pins are different between different models |                                          |                                           |                                           |
| AC adapter:                | Adapter 2:                                                 |                                          |                                           |                                           |
|                            | Model: TN-050200U3, TN-050200A3, TN-050200C3A              |                                          |                                           |                                           |
|                            | Input: AC100-240V, 50/60Hz, 0.35A                          |                                          |                                           |                                           |
|                            |                                                            |                                          |                                           |                                           |
|                            |                                                            |                                          |                                           |                                           |

|                        |                                                                                                                                                                                                                                                                      |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                        | Output: DC 5.0V, 2.0A 10.0W<br>Note: Only the pins are different between different models<br>Adapter 3:<br>Model: AD-010A, AD-010X<br>Input: AC100-240V, 50/60Hz, 0.35A<br>Output: DC 5.0V, 2.0A 10.0W<br>Note: Only the pins are different between different models |
| Test Sample Condition: | The test samples were provided in good working order with no visible defects.                                                                                                                                                                                        |

**Operation Frequency List:**

| LTE Band 2 (1.4MHz) |                 | LTE Band 2 (3MHz)  |                 |
|---------------------|-----------------|--------------------|-----------------|
| Channel             | Frequency (MHz) | Channel            | Frequency (MHz) |
| 18607               | 1850.70         | 18615              | 1851.50         |
| 18608               | 1850.80         | 18616              | 1851.60         |
| ....                | ....            | ....               | ....            |
| 18899               | 1879.90         | 18899              | 1879.90         |
| 18900               | 1880.00         | 18900              | 1880.00         |
| 18901               | 1880.10         | 18901              | 1880.10         |
| ...                 | ...             | ...                | ...             |
| 19193               | 1909.20         | 19185              | 1908.40         |
| 19194               | 1909.30         | 19186              | 1908.50         |
| LTE Band 2 (5MHz)   |                 | LTE Band 2 (10MHz) |                 |
| Channel             | Frequency (MHz) | Channel            | Frequency (MHz) |
| 18625               | 1852.50         | 18650              | 1855.00         |
| 18626               | 1852.60         | 18651              | 1855.10         |
| ....                | ....            | ....               | ....            |
| 18899               | 1879.90         | 18899              | 1879.90         |
| 18900               | 1880.00         | 18900              | 1880.00         |
| 18901               | 1880.10         | 18901              | 1880.10         |
| ....                | ....            | ....               | ....            |
| 19175               | 1907.40         | 19150              | 1904.90         |
| 19176               | 1907.50         | 19151              | 1905.00         |
| LTE Band 2 (15MHz)  |                 | LTE Band 2 (20MHz) |                 |
| Channel             | Frequency (MHz) | Channel            | Frequency (MHz) |
| 18675               | 1857.50         | 18700              | 1860.00         |
| 18676               | 1857.60         | 18701              | 1860.10         |
| ....                | ....            | ....               | ....            |
| 18899               | 1879.90         | 18899              | 1879.90         |
| 18900               | 1880.00         | 18900              | 1880.00         |
| 18901               | 1880.10         | 18901              | 1880.10         |
| ....                | ....            | ....               | ....            |
| 19125               | 1902.40         | 19100              | 1899.90         |
| 19126               | 1902.50         | 19101              | 1900.00         |

| LTE Band 4 (1.4MHz) |                 | LTE Band 4 (3MHz)  |                 |
|---------------------|-----------------|--------------------|-----------------|
| Channel             | Frequency (MHz) | Channel            | Frequency (MHz) |
| 19957               | 1710.70         | 19965              | 1711.50         |
| 19958               | 1710.80         | 19966              | 1711.60         |
| ....                | ....            | ....               | ....            |
| 20174               | 1732.40         | 20174              | 1732.40         |
| 20175               | 1732.50         | 20175              | 1732.50         |
| 20176               | 1732.60         | 20176              | 1732.60         |
| ....                | ....            | ....               | ....            |
| 20392               | 1754.20         | 20384              | 1753.40         |
| 20393               | 1754.30         | 20385              | 1753.50         |
| LTE Band 4 (5MHz)   |                 | LTE Band 4 (10MHz) |                 |
| Channel             | Frequency (MHz) | Channel            | Frequency (MHz) |
| 19975               | 1712.50         | 20000              | 1715.00         |
| 19976               | 1712.60         | 20001              | 1715.10         |
| ....                | ....            | ....               | ....            |
| 20174               | 1732.40         | 20174              | 1732.40         |
| 20175               | 1732.50         | 20175              | 1732.50         |
| 20176               | 1732.60         | 20176              | 1732.60         |
| ...                 | ...             | ...                | ...             |
| 20374               | 1752.40         | 20349              | 1749.90         |
| 20375               | 1752.50         | 20350              | 1750.00         |
| LTE Band 4 (15MHz)  |                 | LTE Band 4 (20MHz) |                 |
| Channel             | Frequency (MHz) | Channel            | Frequency (MHz) |
| 20025               | 1717.50         | 20050              | 1720.00         |
| 20026               | 1717.60         | 20051              | 1720.10         |
| ....                | ....            | ....               | ....            |
| 20174               | 1732.40         | 20174              | 1732.40         |
| 20175               | 1732.50         | 20175              | 1732.50         |
| 20176               | 1732.60         | 20176              | 1732.60         |
| ....                | ....            | ....               | ....            |
| 20324               | 1747.40         | 20299              | 1744.90         |
| 20325               | 1747.50         | 20300              | 1745.00         |

| LTE Band 5 (1.4MHz) |                 | LTE Band 5 (3MHz)  |                 |
|---------------------|-----------------|--------------------|-----------------|
| Channel             | Frequency (MHz) | Channel            | Frequency (MHz) |
| 20407               | 824.70          | 20415              | 825.50          |
| 20408               | 824.80          | 20416              | 825.60          |
| ....                | ....            | ....               | ....            |
| 20524               | 836.40          | 20524              | 836.40          |
| 20525               | 836.50          | 20525              | 836.50          |
| 20526               | 836.60          | 20526              | 836.60          |
| ....                | ....            | ....               | ....            |
| 20642               | 848.20          | 20634              | 847.40          |
| 20643               | 848.30          | 20635              | 847.50          |
| LTE Band 5 (5MHz)   |                 | LTE Band 5 (10MHz) |                 |
| Channel             | Frequency (MHz) | Channel            | Frequency (MHz) |
| 20425               | 826.50          | 20450              | 829.00          |
| 20426               | 826.60          | 20451              | 829.10          |
| ....                | ....            | ....               | ....            |
| 20524               | 836.40          | 20524              | 836.40          |
| 20525               | 836.50          | 20525              | 836.50          |
| 20526               | 836.60          | 20526              | 836.60          |
| ....                | ....            | ....               | ....            |
| 20624               | 846.40          | 20599              | 839.90          |
| 20625               | 846.50          | 20600              | 844.00          |

| LTE Band 7 (5MHz)  |                 | LTE Band 7 (10MHz) |                 |
|--------------------|-----------------|--------------------|-----------------|
| Channel            | Frequency (MHz) | Channel            | Frequency (MHz) |
| 20775              | 2502.50         | 20800              | 2505.00         |
| 20776              | 2502.60         | 20801              | 2502.10         |
| ....               | ....            | ....               | ....            |
| 21099              | 2534.90         | 21099              | 2534.90         |
| 21100              | 2535.00         | 21100              | 2535.00         |
| 21101              | 2535.20         | 21101              | 2535.20         |
| ....               | ....            | ....               | ....            |
| 21424              | 2567.40         | 21399              | 2564.90         |
| 21425              | 2567.50         | 21400              | 2565.00         |
| LTE Band 7 (15MHz) |                 | LTE Band 7 (20MHz) |                 |
| Channel            | Frequency (MHz) | Channel            | Frequency (MHz) |
| 20825              | 2507.50         | 20850              | 2510.00         |
| 20826              | 2507.60         | 20851              | 2510.10         |
| ....               | ....            | ....               | ....            |
| 21099              | 2534.90         | 21099              | 2534.90         |
| 21100              | 2535.00         | 21100              | 2535.00         |
| 21101              | 2535.20         | 21101              | 2535.20         |
| ....               | ....            | ....               | ....            |
| 21374              | 2562.40         | 21349              | 2559.90         |
| 21375              | 2562.50         | 21350              | 2560.00         |

| LTE Band 12 (1.4MHz) |                 | LTE Band 12 (3MHz)  |                 |
|----------------------|-----------------|---------------------|-----------------|
| Channel              | Frequency (MHz) | Channel             | Frequency (MHz) |
| 23017                | 699.70          | 23025               | 700.50          |
| 23756                | 699.80          | 23026               | 700.60          |
| ....                 | ....            | ....                | ....            |
| 23094                | 707.40          | 23094               | 707.40          |
| 23095                | 707.50          | 23095               | 707.50          |
| 23096                | 707.60          | 23096               | 707.60          |
| ....                 | ....            | ....                | ....            |
| 23172                | 715.20          | 23164               | 714.40          |
| 23173                | 715.30          | 23165               | 714.50          |
| LTE Band 12 (5MHz)   |                 | LTE Band 12 (10MHz) |                 |
| Channel              | Frequency (MHz) | Channel             | Frequency (MHz) |
| 23035                | 701.50          | 23060               | 704.00          |
| 23036                | 701.60          | 23061               | 704.10          |
| ....                 | ....            | ....                | ....            |
| 23094                | 707.40          | 23094               | 707.40          |
| 23095                | 707.50          | 23095               | 707.50          |
| 23096                | 707.60          | 23096               | 707.60          |
| ....                 | ....            | ....                | ....            |
| 23154                | 713.40          | 23129               | 710.90          |
| 23155                | 713.50          | 23130               | 711.00          |

| LTE Band 13 (5MHz) |                 | LTE Band 13 (10MHz) |                 |
|--------------------|-----------------|---------------------|-----------------|
| Channel            | Frequency (MHz) | Channel             | Frequency (MHz) |
| 23205              | 779.50          | 23230               | 782.00          |
| 23206              | 779.60          |                     |                 |
| ....               | ....            |                     |                 |
| 23229              | 781.90          |                     |                 |
| 23230              | 782.00          |                     |                 |
| 23231              | 782.10          |                     |                 |
| ....               | ....            |                     |                 |
| 23254              | 784.40          |                     |                 |
| 23255              | 784.50          |                     |                 |

| LTE Band 17 (5MHz) |                 | LTE Band 17 (10MHz) |                 |
|--------------------|-----------------|---------------------|-----------------|
| Channel            | Frequency (MHz) | Channel             | Frequency (MHz) |
| 23755              | 706.50          | 23780               | 782.00          |
| 23756              | 706.60          | 23781               |                 |
| ....               | ....            | ....                | ....            |
| 23789              | 709.90          | 23789               | 709.90          |
| 23790              | 710.00          | 23790               | 710.00          |
| 23791              | 710.10          | 23791               | 710.10          |
| ....               | ....            |                     |                 |
| 23824              | 713.40          | 23799               | 710.90          |
| 23825              | 713.50          | 23800               | 711.00          |

| LTE Band 38 (5MHz)  |                 | LTE Band 38 (10MHz) |                 |
|---------------------|-----------------|---------------------|-----------------|
| Channel             | Frequency (MHz) | Channel             | Frequency (MHz) |
| 37775               | 2572.50         | 37800               | 2575.00         |
| 37776               | 2572.60         | 37801               | 2575.10         |
| ....                | ....            |                     |                 |
| 37999               | 2594.90         | 37999               | 2594.90         |
| 38000               | 2595.00         | 38000               | 2595.00         |
| 38001               | 2595.10         | 38001               | 2595.10         |
| ...                 | ...             | ...                 | ...             |
| 38224               | 2617.40         | 38199               | 2614.90         |
| 38225               | 2617.50         | 38200               | 2615.00         |
| LTE Band 38 (15MHz) |                 | LTE Band 38 (20MHz) |                 |
| Channel             | Frequency (MHz) | Channel             | Frequency (MHz) |
| 37825               | 2577.50         | 37850               | 2580.00         |
| 37826               | 2577.60         | 37851               | 2580.10         |
| ....                | ....            | ....                | ....            |
| 37999               | 2594.90         | 37999               | 2594.90         |
| 38000               | 2595.00         | 38000               | 2595.00         |
| 38001               | 2595.10         | 38001               | 2595.10         |
| ...                 | ...             | ...                 | ...             |
| 38174               | 2612.40         | 38149               | 2609.90         |
| 38175               | 2612.50         | 38150               | 2610.00         |

| LTE Band 41 (5MHz)  |                 | LTE Band 41 (10MHz) |                 |
|---------------------|-----------------|---------------------|-----------------|
| Channel             | Frequency (MHz) | Channel             | Frequency (MHz) |
| 39675               | 2498.50         | 39700               | 2501.00         |
| 39676               | 2498.60         | 39701               | 2501.10         |
| ....                | ....            | ....                | ....            |
| 40619               | 2592.90         | 40619               | 2592.90         |
| 40620               | 2593.00         | 40620               | 2593.00         |
| 40621               | 2593.10         | 40621               | 2593.10         |
| ....                | ....            | ....                | ....            |
| 41564               | 2687.40         | 41539               | 2684.90         |
| 41565               | 2687.50         | 41540               | 2685.00         |
| LTE Band 41 (15MHz) |                 | LTE Band 41 (20MHz) |                 |
| Channel             | Frequency (MHz) | Channel             | Frequency (MHz) |
| 39725               | 2503.50         | 39750               | 2506.00         |
| 39726               | 2503.60         | 39751               | 2506.10         |
| ....                | ....            | ....                | ....            |
| 40619               | 2592.90         | 40619               | 2592.90         |
| 40620               | 2593.00         | 40620               | 2593.00         |
| 40621               | 2593.10         | 40621               | 2593.10         |
| ....                | ....            | ....                | ....            |
| 41514               | 2682.40         | 41489               | 2680.90         |
| 41515               | 2682.50         | 41490               | 2680.00         |

| LTE Band 66 (1.4MHz) |                 | LTE Band 66 (3MHz)  |                 |
|----------------------|-----------------|---------------------|-----------------|
| Channel              | Frequency (MHz) | Channel             | Frequency (MHz) |
| 131979               | 1710.70         | 131987              | 1711.50         |
| 131980               | 1710.80         | 131988              | 1711.60         |
| ....                 | ....            | ....                | ....            |
| 132321               | 1744.90         | 132321              | 1744.90         |
| 132322               | 1745.00         | 132322              | 1745.00         |
| 132323               | 1745.10         | 132323              | 1745.10         |
| ...                  | ...             | ...                 | ...             |
| 132664               | 1779.20         | 132656              | 1778.40         |
| 132665               | 1779.30         | 132657              | 1778.50         |
| LTE Band 66 (5MHz)   |                 | LTE Band 66 (10MHz) |                 |
| Channel              | Frequency (MHz) | Channel             | Frequency (MHz) |
| 131997               | 1712.50         | 132022              | 1715.00         |
| 131998               | 1712.60         | 132023              | 1715.10         |
| ....                 | ....            | ....                | ....            |
| 132321               | 1744.90         | 132321              | 1744.90         |
| 132322               | 1745.00         | 132322              | 1745.00         |
| 132323               | 1745.10         | 132323              | 1745.10         |
| ...                  | ...             | ...                 | ...             |
| 136246               | 1777.40         | 132621              | 1774.90         |
| 136247               | 1777.50         | 132622              | 1775.00         |
| LTE Band 66 (15MHz)  |                 | LTE Band 66 (20MHz) |                 |
| Channel              | Frequency (MHz) | Channel             | Frequency (MHz) |
| 132047               | 1717.50         | 132072              | 1720.00         |
| 132048               | 1717.60         | 132073              | 1720.10         |
| ....                 | ....            | ....                | ....            |
| 132321               | 1744.90         | 132321              | 1744.90         |
| 132322               | 1745.00         | 132322              | 1745.00         |
| 132323               | 1745.10         | 132323              | 1745.10         |
| ...                  | ...             | ...                 | ...             |
| 132596               | 1772.40         | 132571              | 1769.90         |
| 132597               | 1772.50         | 132572              | 1770.00         |

Regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

| LTE Band 2 (1.4MHz) |       |                 | LTE Band 2 (3MHz)  |       |                 |
|---------------------|-------|-----------------|--------------------|-------|-----------------|
| Channel             |       | Frequency (MHz) | Channel            |       | Frequency (MHz) |
| Lowest channel      | 18607 | 1850.70         | Lowest channel     | 18615 | 1851.50         |
| Middle channel      | 18900 | 1880.00         | Middle channel     | 18900 | 1880.00         |
| Highest channel     | 19193 | 1909.30         | Highest channel    | 19185 | 1908.50         |
| LTE Band 2 (5MHz)   |       |                 | LTE Band 2 (10MHz) |       |                 |
| Channel             |       | Frequency (MHz) | Channel            |       | Frequency (MHz) |
| Lowest channel      | 18625 | 1852.50         | Lowest channel     | 18650 | 1855.00         |
| Middle channel      | 18900 | 1880.00         | Middle channel     | 18900 | 1880.00         |
| Highest channel     | 19175 | 1907.50         | Highest channel    | 19150 | 1905.00         |
| LTE Band 2 (15MHz)  |       |                 | LTE Band 2 (20MHz) |       |                 |
| Channel             |       | Frequency (MHz) | Channel            |       | Frequency (MHz) |
| Lowest channel      | 18675 | 1857.50         | Lowest channel     | 18700 | 1860.00         |
| Middle channel      | 18900 | 1880.00         | Middle channel     | 18900 | 1880.00         |
| Highest channel     | 19125 | 1902.50         | Highest channel    | 19100 | 1900.00         |

| LTE Band 4 (1.4MHz) |       |                 | LTE Band 4 (3MHz)  |       |                 |
|---------------------|-------|-----------------|--------------------|-------|-----------------|
| Channel             |       | Frequency (MHz) | Channel            |       | Frequency (MHz) |
| Lowest channel      | 19957 | 1710.70         | Lowest channel     | 19965 | 1711.50         |
| Middle channel      | 20175 | 1732.50         | Middle channel     | 20175 | 1732.50         |
| Highest channel     | 20393 | 1754.30         | Highest channel    | 20385 | 1753.50         |
| LTE Band 4 (5MHz)   |       |                 | LTE Band 4 (10MHz) |       |                 |
| Channel             |       | Frequency (MHz) | Channel            |       | Frequency (MHz) |
| Lowest channel      | 19975 | 1712.50         | Lowest channel     | 20000 | 1715.00         |
| Middle channel      | 20175 | 1732.50         | Middle channel     | 20175 | 1732.50         |
| Highest channel     | 20375 | 1752.50         | Highest channel    | 20350 | 1750.00         |
| LTE Band 4 (15MHz)  |       |                 | LTE Band 4 (20MHz) |       |                 |
| Channel             |       | Frequency (MHz) | Channel            |       | Frequency (MHz) |
| Lowest channel      | 20025 | 1717.50         | Lowest channel     | 20050 | 1720.00         |
| Middle channel      | 20175 | 1732.50         | Middle channel     | 20175 | 1732.50         |
| Highest channel     | 20325 | 1747.50         | Highest channel    | 20300 | 1745.00         |

| LTE Band 5 (1.4MHz) |       |                 | LTE Band 5 (3MHz)  |       |                 |
|---------------------|-------|-----------------|--------------------|-------|-----------------|
| Channel             |       | Frequency (MHz) | Channel            |       | Frequency (MHz) |
| Lowest channel      | 20407 | 824.70          | Lowest channel     | 20415 | 825.5           |
| Middle channel      | 20525 | 836.50          | Middle channel     | 20525 | 836.50          |
| Highest channel     | 20643 | 848.30          | Highest channel    | 20635 | 847.50          |
| LTE Band 5 (5MHz)   |       |                 | LTE Band 5 (10MHz) |       |                 |
| Channel             |       | Frequency (MHz) | Channel            |       | Frequency (MHz) |
| Lowest channel      | 20425 | 826.50          | Lowest channel     | 20450 | 829.00          |
| Middle channel      | 20525 | 836.50          | Middle channel     | 20525 | 836.50          |
| Highest channel     | 20625 | 846.50          | Highest channel    | 20600 | 844.00          |

| LTE Band 7 (5MHz)  |       |                 | LTE Band 7 (10MHz) |       |                 |
|--------------------|-------|-----------------|--------------------|-------|-----------------|
| Channel            |       | Frequency (MHz) | Channel            |       | Frequency (MHz) |
| Lowest channel     | 20775 | 2502.50         | Lowest channel     | 20800 | 2505.00         |
| Middle channel     | 21100 | 2535.00         | Middle channel     | 21100 | 2535.00         |
| Highest channel    | 21425 | 2567.50         | Highest channel    | 21400 | 2565.00         |
| LTE Band 7 (15MHz) |       |                 | LTE Band 7 (20MHz) |       |                 |
| Channel            |       | Frequency (MHz) | Channel            |       | Frequency (MHz) |
| Lowest channel     | 20825 | 2507.50         | Lowest channel     | 20850 | 2510.00         |
| Middle channel     | 21100 | 2535.00         | Middle channel     | 21100 | 2535.00         |
| Highest channel    | 21375 | 2562.50         | Highest channel    | 21350 | 2560.00         |

| LTE Band 12(1.4MHz) |       |                 | LTE Band 12(3MHz)  |       |                 |
|---------------------|-------|-----------------|--------------------|-------|-----------------|
| Channel             |       | Frequency (MHz) | Channel            |       | Frequency (MHz) |
| Lowest channel      | 23017 | 699.70          | Lowest channel     | 23025 | 700.50          |
| Middle channel      | 23095 | 707.50          | Middle channel     | 23095 | 707.50          |
| Highest channel     | 23173 | 715.30          | Highest channel    | 23165 | 714.50          |
| LTE Band 12(5MHz)   |       |                 | LTE Band 12(10MHz) |       |                 |
| Channel             |       | Frequency (MHz) | Channel            |       | Frequency (MHz) |
| Lowest channel      | 23035 | 701.50          | Lowest channel     | 23060 | 704.00          |
| Middle channel      | 23095 | 707.50          | Middle channel     | 23095 | 707.50          |
| Highest channel     | 23155 | 713.50          | Highest channel    | 23130 | 711.00          |

| LTE Band 13(5MHz) |       |                 | LTE Band 13(10MHz) |       |                 |
|-------------------|-------|-----------------|--------------------|-------|-----------------|
| Channel           |       | Frequency (MHz) | Channel            |       | Frequency (MHz) |
| Lowest channel    | 23205 | 779.50          | Lowest channel     | 23230 | 782.00          |
| Middle channel    | 23230 | 782.00          | Middle channel     | 23230 | 782.00          |
| Highest channel   | 23255 | 784.50          | Highest channel    | 23230 | 782.00          |

| LTE Band 17(5MHz) |       |                 | LTE Band 17(10MHz) |       |                 |
|-------------------|-------|-----------------|--------------------|-------|-----------------|
| Channel           |       | Frequency (MHz) | Channel            |       | Frequency (MHz) |
| Lowest channel    | 23755 | 706.50          | Lowest channel     | 23780 | 709.00          |
| Middle channel    | 23790 | 710.00          | Middle channel     | 23790 | 710.00          |
| Highest channel   | 23825 | 713.50          | Highest channel    | 23800 | 711.00          |

| LTE Band 38 (5MHz)  |       |                 | LTE Band 38 (10MHz) |       |                 |
|---------------------|-------|-----------------|---------------------|-------|-----------------|
| Channel             |       | Frequency (MHz) | Channel             |       | Frequency (MHz) |
| Lowest channel      | 37775 | 2572.50         | Lowest channel      | 37800 | 2575.00         |
| Middle channel      | 38000 | 2595.00         | Middle channel      | 38000 | 2595.00         |
| Highest channel     | 38225 | 2617.50         | Highest channel     | 38200 | 2615.00         |
| LTE Band 38 (15MHz) |       |                 | LTE Band 38 (20MHz) |       |                 |
| Channel             |       | Frequency (MHz) | Channel             |       | Frequency (MHz) |
| Lowest channel      | 37825 | 2577.50         | Lowest channel      | 37850 | 2580.00         |
| Middle channel      | 38000 | 2595.00         | Middle channel      | 38000 | 2595.00         |
| Highest channel     | 38175 | 2612.50         | Highest channel     | 38150 | 2610.00         |

| LTE Band 41 (5MHz)  |       |                 | LTE Band 41 (10MHz) |       |                 |
|---------------------|-------|-----------------|---------------------|-------|-----------------|
| Channel             |       | Frequency (MHz) | Channel             |       | Frequency (MHz) |
| Lowest channel      | 39675 | 2498.50         | Lowest channel      | 39700 | 2501.00         |
| Middle channel      | 40620 | 2593.00         | Middle channel      | 40620 | 2593.00         |
| Highest channel     | 41565 | 2687.50         | Highest channel     | 41540 | 2685.00         |
| LTE Band 41 (15MHz) |       |                 | LTE Band 41 (20MHz) |       |                 |
| Channel             |       | Frequency (MHz) | Channel             |       | Frequency (MHz) |
| Lowest channel      | 39725 | 2503.50         | Lowest channel      | 39750 | 2506.00         |
| Middle channel      | 40620 | 2593.00         | Middle channel      | 40620 | 2593.00         |
| Highest channel     | 41515 | 2682.50         | Highest channel     | 41490 | 2680.00         |

| LTE Band 66 (1.4MHz) |        |                 | LTE Band 66 (3MHz)  |        |                 |
|----------------------|--------|-----------------|---------------------|--------|-----------------|
| Channel              |        | Frequency (MHz) | Channel             |        | Frequency (MHz) |
| Lowest channel       | 131979 | 1710.7          | Lowest channel      | 131987 | 1711.5          |
| Middle channel       | 132322 | 1745.0          | Middle channel      | 132322 | 1745.0          |
| Highest channel      | 132665 | 1779.3          | Highest channel     | 132657 | 1778.5          |
| LTE Band 66 (5MHz)   |        |                 | LTE Band 66 (10MHz) |        |                 |
| Channel              |        | Frequency (MHz) | Channel             |        | Frequency (MHz) |
| Lowest channel       | 131997 | 1712.5          | Lowest channel      | 132022 | 1715.0          |
| Middle channel       | 132322 | 1745.5          | Middle channel      | 132322 | 1745.0          |
| Highest channel      | 132647 | 1777.5          | Highest channel     | 132622 | 1775.0          |
| LTE Band 66 (15MHz)  |        |                 | LTE Band 66 (20MHz) |        |                 |
| Channel              |        | Frequency (MHz) | Channel             |        | Frequency (MHz) |
| Lowest channel       | 132047 | 1717.5          | Lowest channel      | 132072 | 1720.0          |
| Middle channel       | 132322 | 1745.0          | Middle channel      | 132322 | 1745.0          |
| Highest channel      | 132597 | 1772.5          | Highest channel     | 132572 | 1770.0          |

## FDD reference test frequencies for CA in operating band 7

| Range | CC-Combo /<br>N <sub>RB_agg</sub><br>[RB] | CC1<br>Note1 |                 |                          |                 |                          | CC2<br>Note1 |                 |                          |                 |                          |
|-------|-------------------------------------------|--------------|-----------------|--------------------------|-----------------|--------------------------|--------------|-----------------|--------------------------|-----------------|--------------------------|
|       |                                           | BW<br>[RB]   | N <sub>UL</sub> | f <sub>UL</sub><br>[MHz] | N <sub>DL</sub> | f <sub>DL</sub><br>[MHz] | BW<br>[RB]   | N <sub>UL</sub> | f <sub>UL</sub><br>[MHz] | N <sub>DL</sub> | f <sub>DL</sub><br>[MHz] |
| Low   | 50+100                                    | 50           | 20805           | 2505.5                   | 2805            | 2625.5                   | 100          | 20949           | 2519.9                   | 2949            | 2639.9                   |
|       |                                           | 100          | 20850           | 2510                     | 2850            | 2630                     | 50           | 20994           | 2524.4                   | 2994            | 2644.4                   |
|       | 75+50                                     | 75           | 20825           | 2507.5                   | 2825            | 2627.5                   | 50           | 20945           | 2519.5                   | 2945            | 2639.5                   |
|       | 75+75                                     | 75           | 20825           | 2507.5                   | 2825            | 2627.5                   | 75           | 20975           | 2522.5                   | 2975            | 2642.5                   |
|       | 75+100                                    | 75           | 20828           | 2507.8                   | 2828            | 2627.8                   | 100          | 20999           | 2524.9                   | 2999            | 2644.9                   |
|       |                                           | 100          | 20850           | 2510                     | 2850            | 2630                     | 75           | 21021           | 2527.1                   | 3021            | 2647.1                   |
|       | 100+100                                   | 100          | 20850           | 2510                     | 2850            | 2630                     | 100          | 21048           | 2529.8                   | 3048            | 2649.8                   |
| Mid   | 50+100                                    | 50           | 21006           | 2525.6                   | 3006            | 2645.6                   | 100          | 21150           | 2540                     | 3150            | 2660                     |
|       |                                           | 100          | 21051           | 2530.1                   | 3051            | 2650.1                   | 50           | 21195           | 2544.5                   | 3195            | 2664.5                   |
|       | 75+50                                     | 75           | 21051           | 2530.1                   | 3051            | 2650.1                   | 50           | 21171           | 2542.1                   | 3171            | 2662.1                   |
|       | 75+75                                     | 75           | 21025           | 2527.5                   | 3025            | 2647.5                   | 75           | 21175           | 2542.5                   | 3175            | 2662.5                   |
|       | 75+100                                    | 75           | 21003           | 2525.3                   | 3003            | 2645.3                   | 100          | 21174           | 2542.4                   | 3174            | 2662.4                   |
|       |                                           | 100          | 21026           | 2527.6                   | 3026            | 2647.6                   | 75           | 21197           | 2544.7                   | 3197            | 2664.7                   |
|       | 100+100                                   | 100          | 21001           | 2525.1                   | 3001            | 2645.1                   | 100          | 21199           | 2544.9                   | 3199            | 2664.9                   |
| High  | 50+100                                    | 50           | 21206           | 2545.6                   | 3206            | 2665.6                   | 100          | 21350           | 2560                     | 3350            | 2680                     |
|       |                                           | 100          | 21251           | 2550.1                   | 3251            | 2670.1                   | 50           | 21395           | 2564.5                   | 3395            | 2684.5                   |
|       | 75+50                                     | 75           | 21277           | 2552.7                   | 3277            | 2672.7                   | 50           | 21397           | 2564.7                   | 3397            | 2684.7                   |
|       | 75+75                                     | 75           | 21225           | 2547.5                   | 3225            | 2667.5                   | 75           | 21375           | 2562.5                   | 3375            | 2682.5                   |
|       | 75+100                                    | 75           | 21179           | 2542.9                   | 3179            | 2662.9                   | 100          | 21350           | 2560                     | 3350            | 2680                     |
|       |                                           | 100          | 21201           | 2545.1                   | 3201            | 2665.1                   | 75           | 21372           | 2562.2                   | 3372            | 2682.2                   |
|       | 100+100                                   | 100          | 21152           | 2540.2                   | 3152            | 2660.2                   | 100          | 21350           | 2560                     | 3350            | 2680                     |

Note 1: Carriers in increasing frequency order.

## TDD reference test frequencies for CA in operating band 38

| Range | CC-Combo /<br>N <sub>RB_agg</sub><br>[RB] | CC1<br>Note1 |                    |                             | CC2<br>Note1 |                    |                             |
|-------|-------------------------------------------|--------------|--------------------|-----------------------------|--------------|--------------------|-----------------------------|
|       |                                           | BW<br>[RB]   | N <sub>UL/DL</sub> | f <sub>UL/DL</sub><br>[MHz] | BW<br>[RB]   | N <sub>UL/DL</sub> | f <sub>UL/DL</sub><br>[MHz] |
| Low   | 75+75                                     | 75           | 37825              | 2577.5                      | 75           | 37975              | 2592.5                      |
|       | 100+100                                   | 100          | 37850              | 2580                        | 100          | 38048              | 2599.8                      |
| Mid   | 75+75                                     | 75           | 37925              | 2587.5                      | 75           | 38075              | 2602.5                      |
|       |                                           |              |                    |                             |              |                    |                             |
|       | 100+100                                   | 100          | 37901              | 2585.1                      | 100          | 38099              | 2604.9                      |
| High  | 75+75                                     | 75           | 38025              | 2597.5                      | 75           | 38175              | 2612.5                      |
|       | 100+100                                   | 100          | 37952              | 2590.2                      | 100          | 38150              | 2610                        |

Note 1: Carriers in increasing frequency order.

## TDD reference test frequencies for CA in operating band 41

| Range   | CC-Combo /<br>NRB_agg<br>[RB]           | CC1<br>Note1 |                     |                              | CC2<br>Note1 |                     |                              |
|---------|-----------------------------------------|--------------|---------------------|------------------------------|--------------|---------------------|------------------------------|
|         |                                         | BW<br>[RB]   | N <sub>UL</sub> /DL | f <sub>UL</sub> /DL<br>[MHz] | BW<br>[RB]   | N <sub>UL</sub> /DL | f <sub>UL</sub> /DL<br>[MHz] |
| Low     | 25+100                                  | 25           | 39683               | 2499.3                       | 100          | 39800               | 2511                         |
|         |                                         | 100          | 39750               | 2506                         | 25           | 39867               | 2517.7                       |
|         | 50+75                                   | 50           | 39703               | 2501.3                       | 75           | 39823               | 2513.3                       |
|         |                                         | 75           | 39725               | 2503.5                       | 50           | 39845               | 2515.5                       |
|         | 50+100                                  | 50           | 39705               | 2501.5                       | 100          | 39849               | 2515.9                       |
|         |                                         | 100          | 39750               | 2506                         | 50           | 39894               | 2520.4                       |
|         | 75+75                                   | 75           | 39725               | 2503.5                       | 75           | 39875               | 2518.5                       |
|         | 75+100                                  | 75           | 39728               | 2503.8                       | 100          | 39899               | 2520.9                       |
|         |                                         | 100          | 39750               | 2506                         | 75           | 39921               | 2523.1                       |
|         | 100+100                                 | 100          | 39750               | 2506                         | 100          | 39948               | 2525.8                       |
| Mid     | 25+100                                  | 25           | 40528               | 2583.8                       | 100          | 40645               | 2595.5                       |
|         |                                         | 100          | 40595               | 2590.5                       | 25           | 40712               | 2602.2                       |
|         | 50+75                                   | 50           | 40549               | 2585.9                       | 75           | 40669               | 2597.9                       |
|         |                                         | 75           | 40571               | 2588.1                       | 50           | 40691               | 2600.1                       |
|         | 50+100                                  | 50           | 40526               | 2583.6                       | 100          | 40670               | 2598.0                       |
|         |                                         | 100          | 40571               | 2588.1                       | 50           | 40715               | 2602.5                       |
|         | 75+75                                   | 75           | 40545               | 2585.5                       | 75           | 40695               | 2600.5                       |
|         | 75+100                                  | 75           | 40523               | 2583.3                       | 100          | 40694               | 2600.4                       |
|         |                                         | 100          | 40546               | 2585.6                       | 75           | 40717               | 2602.7                       |
|         | 100+100                                 | 100          | 40521               | 2583.1                       | 100          | 40719               | 2602.9                       |
| High    | 25+100                                  | 25           | 41373               | 2668.3                       | 100          | 41490               | 2680                         |
|         |                                         | 100          | 41440               | 2675                         | 25           | 41557               | 2686.7                       |
|         | 50+75                                   | 50           | 41395               | 2670.5                       | 75           | 41515               | 2682.5                       |
|         |                                         | 75           | 41417               | 2672.7                       | 50           | 41537               | 2684.7                       |
|         | 50+100                                  | 50           | 41346               | 2665.6                       | 100          | 41490               | 2680                         |
|         |                                         | 100          | 41391               | 2670.1                       | 50           | 41535               | 2684.5                       |
|         | 75+75                                   | 75           | 41365               | 2667.5                       | 75           | 41515               | 2682.5                       |
|         | 75+100                                  | 75           | 41319               | 2662.9                       | 100          | 41490               | 2680                         |
|         |                                         | 100          | 41341               | 2665.1                       | 75           | 41512               | 2682.2                       |
|         | 100+100                                 | 100          | 41292               | 2660.2                       | 100          | 41490               | 2680                         |
| Note 1: | Carriers in increasing frequency order. |              |                     |                              |              |                     |                              |

### 5.3 Test environment and mode

| Operating Environment:                                                                                                                                                                                                                                                                                                                                                           |                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| Temperature:                                                                                                                                                                                                                                                                                                                                                                     | Normal: 15℃ ~ 35℃, Extreme: -30℃ ~ +50℃                          |
| Humidity:                                                                                                                                                                                                                                                                                                                                                                        | 20 % ~ 75 % RH                                                   |
| Atmospheric Pressure:                                                                                                                                                                                                                                                                                                                                                            | 1008 mbar                                                        |
| Voltage:                                                                                                                                                                                                                                                                                                                                                                         | Nominal: 3.85Vdc, Extreme: Low 3.4 Vdc, High 4.4 Vdc             |
| Test mode:                                                                                                                                                                                                                                                                                                                                                                       |                                                                  |
| TM1 mode                                                                                                                                                                                                                                                                                                                                                                         | Keep the EUT communication with simulated station in QPSK mode   |
| TM2 mode                                                                                                                                                                                                                                                                                                                                                                         | Keep the EUT communication with simulated station in 16QAM mode  |
| TM3 mode                                                                                                                                                                                                                                                                                                                                                                         | Keep the EUT communication with simulated station in 64QAM mode  |
| TM4 mode                                                                                                                                                                                                                                                                                                                                                                         | Keep the EUT communication with simulated station in 256QAM mode |
| Remark: The EUT has been tested under continuous transmitting mode. Channel Low, Mid and High for each type band with rated data rate were chosen for full testing. The field strength of spurious radiation emission was measured as EUT stand-up position (H mode) and lie down position (E1, E2 mode) for these modes. Just the worst case position (H mode) shown in report. |                                                                  |

### 5.4 Description of Test Auxiliary Equipment

| Test Equipment    | Manufacturer    | Model No. | Serial No. |
|-------------------|-----------------|-----------|------------|
| Simulated Station | Rohde & Schwarz | CMW500    | 140493     |

### 5.5 Additions to, deviations, or exclusions from the method

|    |
|----|
| No |
|----|

### 5.6 Measurement Uncertainty

| Parameter                                                                                                                                                                                                                                                                                                                                                                                                                               | Expanded Uncertainty<br>(Confidence of 95%(U = 2Uc(y))) |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| Radiated Emission (9kHz ~ 30MHz) (3m SAC)                                                                                                                                                                                                                                                                                                                                                                                               | ±3.13 dB                                                |
| Radiated Emission (30MHz ~ 1000MHz) (3m SAC)                                                                                                                                                                                                                                                                                                                                                                                            | ±4.45 dB                                                |
| Radiated Emission (1GHz ~ 18GHz) (3m SAC)                                                                                                                                                                                                                                                                                                                                                                                               | ±5.34 dB                                                |
| Radiated Emission (18GHz ~ 40GHz) (3m SAC)                                                                                                                                                                                                                                                                                                                                                                                              | ±5.34 dB                                                |
| <b>Note:</b> The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.26-2015. All the measurement uncertainty value were shown with a coverage k=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance. |                                                         |

### 5.7 Laboratory Facility

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>The test facility is recognized, certified, or accredited by the following organizations:</p> <ul style="list-style-type: none"> <li>● <b>FCC - Designation No.: CN1211</b><br/>JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.</li> <li>● <b>ISED – CAB identifier.: CN0021</b><br/>The 3m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.</li> <li>● <b>A2LA - Registration No.: 4346.01</b><br/>This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: <a href="https://portal.a2la.org/scopepdf/4346-01.pdf">https://portal.a2la.org/scopepdf/4346-01.pdf</a></li> </ul> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 5.8 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd.

Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

Tel: +86-755-23118282, Fax: +86-755-23116366

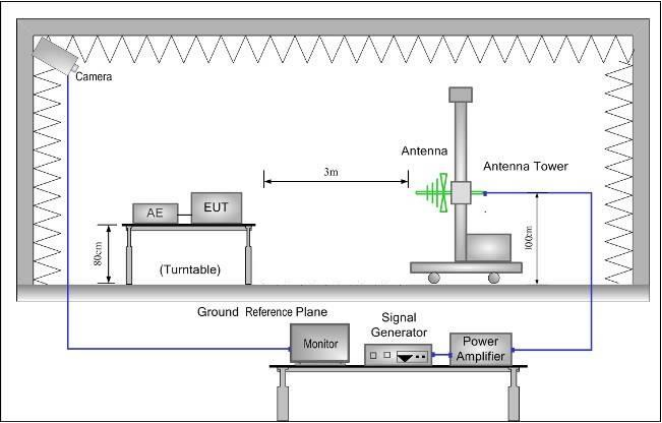
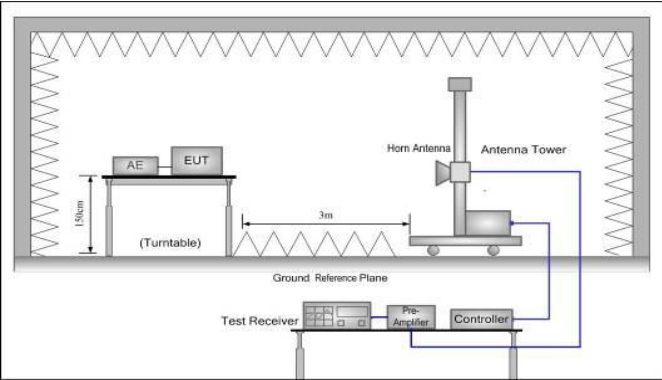
Email: info-JYTee@lets.com, Website: <http://www.ccis-cb.com>

## 5.9 Test Instruments list

| Radiated Emission:            |                 |                 |                   |                     |                          |
|-------------------------------|-----------------|-----------------|-------------------|---------------------|--------------------------|
| Test Equipment                | Manufacturer    | Model No.       | Management Number | Cal.Date (mm-dd-yy) | Cal. Due date (mm-dd-yy) |
| 3m SAC                        | SAEMC           | 9m*6m*6m        | WXJ001-1          | 01-19-2021          | 01-18-2024               |
| BiConiLog Antenna             | SCHWARZBECK     | VULB9163        | WXJ002            | 03-03-2021          | 03-02-2022               |
| Biconical Antenna             | SCHWARZBECK     | VUBA9117        | WXJ002-1          | 06-20-2021          | 06-19-2022               |
| Horn Antenna                  | SCHWARZBECK     | BBHA9120D       | WXJ002-2          | 03-03-2021          | 03-02-2022               |
| Horn Antenna                  | SCHWARZBECK     | BBHA9120D       | WXJ002-3          | 06-18-2021          | 06-17-2022               |
| Loop Antenna                  | SCHWARZBECK     | FMZB 1519 B     | WXJ002-4          | 03-07-2021          | 03-06-2022               |
| Pre-amplifier (30MHz ~ 1GHz)  | HP              | 8447D           | WXG001-2          | 03-07-2021          | 03-06-2022               |
| Pre-amplifier (1GHz ~ 18GHz)  | SKET            | LNPA_0118G-50   | WXG001-3          | 03-07-2021          | 03-06-2022               |
| Pre-amplifier (18GHz ~ 40GHz) | RF System       | TRLA-180400G45B | WXG001-9          | 03-07-2021          | 03-06-2022               |
| EMI Test Receiver             | Rohde & Schwarz | ESRP7           | WXJ003-1          | 03-03-2021          | 03-02-2022               |
| Spectrum analyzer             | Rohde & Schwarz | FSP30           | WXJ004            | 03-03-2021          | 03-02-2022               |
| Spectrum Analyzer             | KEYSIGHT        | N9010B          | WXJ004-2          | 11-27-2020          | 11-26-2021               |
| Signal Generator              | Agilent         | N5173B          | WXJ006-7          | 03-25-2021          | 03-24-2022               |
| Simulated Station             | Rohde & Schwarz | CMW500          | WXJ008-3          | 06-17-2021          | 06-16-2022               |
| Coaxial Cable (30MHz ~ 1GHz)  | JYT             | JYT3M-1G-NN-8M  | WXG001-4          | 03-07-2021          | 03-06-2022               |
| Coaxial Cable (1GHz ~ 18GHz)  | JYT             | JYT3M-18G-NN-8M | WXG001-5          | 03-07-2021          | 03-06-2022               |
| Coaxial Cable (9kHz ~ 30MHz)  | JYT             | JYT3M-1G-BB-5M  | WXG001-6          | 03-07-2021          | 03-06-2022               |
| Coaxial Cable (1GHz ~ 18GHz)  | JYT             | JYT3M-40G-SS-8M | WXG001-7          | 03-07-2021          | 03-06-2022               |
| RF Switch Unit                | Tonscend        | JS0806-F        | WXJ089            | N/A                 |                          |
| Test Software                 | Tonscend        | TS+             | Version: 3.0.0.1  |                     |                          |

## 6. Test results

### 6.1 Field strength of spurious radiation measurement

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | Part 2.1053, Part 22.917 (a), Part 24.238 (a), Part 27.53 (f), Part 27.53 (g), Part 27.53 (h), Part 27.53 (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Limit:            | -13dBm for band 2/4/5/12/13/17<br>-25dBm for band 7/38/41/ CA_7C/ CA_38C/ CA_41C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Test setup:       | <p>Below 1GHz</p>  <p>Above 1GHz</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Test Procedure:   | <ol style="list-style-type: none"> <li>1. The EUT was placed on the top of a rotating table 0.8m(below 1GHz)/1.5m(above 1GHz) above the ground at a 3 meter camber. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer.</li> <li>2. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.</li> <li>3. The frequency range up to tenth harmonic was investigated for each of three fundamental frequency (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method.</li> <li>4. The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.<br/> <math display="block">ERP / EIRP = S.G. \text{ output (dBm) } + \text{Antenna Gain(dB/dBi) } - \text{Cable Loss (dB)}</math> </li> </ol> |
| Test Instruments: | Refer to section 5.9 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Test mode:        | Refer to section 5.3 for details.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Test results:     | Passed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Remark:           | The test data in this report are based on the previous report with report number: JYTSZB-R12-2101705                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

**Measurement Data (worst case):**

| LTE Band 2                                                                                       |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = Low Channel                                                                       |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                   | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1028.0035                                                                                        | 21.16            | -49.70         | -13.00         | 36.70          | Horizontal |
| 1616.5771                                                                                        | 20.60            | -49.56         | -13.00         | 36.56          | Horizontal |
| 2997.9998                                                                                        | 20.74            | -43.77         | -13.00         | 30.77          | Horizontal |
| 4176.0588                                                                                        | 51.03            | -61.75         | -13.00         | 48.75          | Horizontal |
| 7404.2202                                                                                        | 53.32            | -49.71         | -13.00         | 36.71          | Horizontal |
| 17915.9958                                                                                       | 46.24            | -46.70         | -13.00         | 33.70          | Horizontal |
| 1084.0105                                                                                        | 20.61            | -49.61         | -13.00         | 36.61          | Vertical   |
| 1632.0790                                                                                        | 20.96            | -49.34         | -13.00         | 36.34          | Vertical   |
| 2947.7435                                                                                        | 20.98            | -43.73         | -13.00         | 30.73          | Vertical   |
| 4503.8252                                                                                        | 51.11            | -60.67         | -13.00         | 47.67          | Vertical   |
| 7404.2202                                                                                        | 55.55            | -47.48         | -13.00         | 34.48          | Vertical   |
| 17983.4992                                                                                       | 47.23            | -46.30         | -13.00         | 33.30          | Vertical   |
| <b>Remark:</b>                                                                                   |                  |                |                |                |            |
| 1. The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band 2                                                                                       |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = Middle Channel                                                                    |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                   | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1288.2860                                                                                        | 20.80            | -49.73         | -13.00         | 36.73          | Horizontal |
| 2619.7025                                                                                        | 20.89            | -45.33         | -13.00         | 32.33          | Horizontal |
| 5613.1307                                                                                        | 53.70            | -54.10         | -13.00         | 41.10          | Horizontal |
| 11011.1506                                                                                       | 45.15            | -50.76         | -13.00         | 37.76          | Horizontal |
| 16410.6705                                                                                       | 46.46            | -47.48         | -13.00         | 34.48          | Horizontal |
| 17995.4998                                                                                       | 47.30            | -46.49         | -13.00         | 33.49          | Horizontal |
| 1169.0211                                                                                        | 20.66            | -49.59         | -13.00         | 36.59          | Vertical   |
| 2552.4441                                                                                        | 21.45            | -45.42         | -13.00         | 32.42          | Vertical   |
| 3741.7871                                                                                        | 53.04            | -61.64         | -13.00         | 48.64          | Vertical   |
| 5613.1307                                                                                        | 57.25            | -50.55         | -13.00         | 37.55          | Vertical   |
| 11218.9109                                                                                       | 46.55            | -49.17         | -13.00         | 36.17          | Vertical   |
| 17813.2407                                                                                       | 47.07            | -47.13         | -13.00         | 34.13          | Vertical   |
| <b>Remark:</b>                                                                                   |                  |                |                |                |            |
| 1. The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band 2                                                                                                         |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = High Channel                                                                                        |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                                     | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1154.7693                                                                                                          | 20.97            | -49.34         | -13.00         | 36.34          | Horizontal |
| 2638.7048                                                                                                          | 21.26            | -45.04         | -13.00         | 32.04          | Horizontal |
| 3782.2891                                                                                                          | 55.45            | -59.15         | -13.00         | 46.15          | Horizontal |
| 5673.1337                                                                                                          | 55.17            | -51.96         | -13.00         | 38.96          | Horizontal |
| 11359.9180                                                                                                         | 45.22            | -50.42         | -13.00         | 37.42          | Horizontal |
| 17996.2498                                                                                                         | 47.47            | -46.33         | -13.00         | 33.33          | Horizontal |
| 1156.7696                                                                                                          | 21.16            | -49.21         | -13.00         | 36.21          | Vertical   |
| 2726.2158                                                                                                          | 21.07            | -44.68         | -13.00         | 31.68          | Vertical   |
| 3782.2891                                                                                                          | 55.31            | -59.29         | -13.00         | 46.29          | Vertical   |
| 5673.1337                                                                                                          | 56.22            | -50.91         | -13.00         | 37.91          | Vertical   |
| 12320.7160                                                                                                         | 45.09            | -49.09         | -13.00         | 36.09          | Vertical   |
| 17952.7476                                                                                                         | 46.23            | -46.66         | -13.00         | 33.66          | Vertical   |
| <b>Remark:</b><br>1. The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band 4                                                                                                         |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = Low Channel                                                                                         |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                                     | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1260.0325                                                                                                          | 20.98            | -49.34         | -13.00         | 36.34          | Horizontal |
| 2415.1769                                                                                                          | 21.32            | -45.65         | -13.00         | 32.65          | Horizontal |
| 3422.2711                                                                                                          | 58.13            | -57.86         | -13.00         | 44.86          | Horizontal |
| 5133.1067                                                                                                          | 55.32            | -54.25         | -13.00         | 41.25          | Horizontal |
| 11188.9094                                                                                                         | 46.37            | -49.25         | -13.00         | 36.25          | Horizontal |
| 17666.9833                                                                                                         | 46.19            | -48.72         | -13.00         | 35.72          | Horizontal |
| 1189.7737                                                                                                          | 20.91            | -49.59         | -13.00         | 36.59          | Vertical   |
| 2349.9187                                                                                                          | 21.02            | -46.46         | -13.00         | 33.46          | Vertical   |
| 3422.2711                                                                                                          | 56.24            | -59.75         | -13.00         | 46.75          | Vertical   |
| 5133.1067                                                                                                          | 55.11            | -54.46         | -13.00         | 41.46          | Vertical   |
| 10605.3803                                                                                                         | 46.04            | -50.81         | -13.00         | 37.81          | Vertical   |
| 16400.9200                                                                                                         | 46.42            | -47.34         | -13.00         | 34.34          | Vertical   |
| <b>Remark:</b><br>1. The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band 4                                                                                                         |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = Middle Channel                                                                                      |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                                     | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1083.5104                                                                                                          | 20.93            | -49.27         | -13.00         | 36.27          | Horizontal |
| 2501.1876                                                                                                          | 21.30            | -45.25         | -13.00         | 32.25          | Horizontal |
| 3447.0224                                                                                                          | 61.88            | -54.06         | -13.00         | 41.06          | Horizontal |
| 5170.6085                                                                                                          | 55.36            | -53.90         | -13.00         | 40.90          | Horizontal |
| 9003.3002                                                                                                          | 47.34            | -51.59         | -13.00         | 38.59          | Horizontal |
| 14060.8030                                                                                                         | 44.45            | -47.61         | -13.00         | 34.61          | Horizontal |
| 1149.7687                                                                                                          | 20.90            | -49.30         | -13.00         | 36.30          | Vertical   |
| 2683.9605                                                                                                          | 21.36            | -44.62         | -13.00         | 31.62          | Vertical   |
| 3447.0224                                                                                                          | 56.60            | -59.34         | -13.00         | 46.34          | Vertical   |
| 5170.6085                                                                                                          | 55.99            | -53.27         | -13.00         | 40.27          | Vertical   |
| 7463.4732                                                                                                          | 48.29            | -54.04         | -13.00         | 41.04          | Vertical   |
| 13004.7502                                                                                                         | 44.73            | -47.75         | -13.00         | 34.75          | Vertical   |
| <b>Remark:</b><br>1. The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band 4                                                                                                         |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = High Channel                                                                                        |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                                     | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1261.5327                                                                                                          | 20.51            | -49.86         | -13.00         | 36.86          | Horizontal |
| 2148.1435                                                                                                          | 22.30            | -45.93         | -13.00         | 32.93          | Horizontal |
| 3471.7736                                                                                                          | 58.68            | -56.77         | -13.00         | 43.77          | Horizontal |
| 5208.1104                                                                                                          | 50.27            | -58.64         | -13.00         | 45.64          | Horizontal |
| 6944.4472                                                                                                          | 50.54            | -53.36         | -13.00         | 40.36          | Horizontal |
| 14053.3027                                                                                                         | 44.29            | -47.69         | -13.00         | 34.69          | Horizontal |
| 1296.2870                                                                                                          | 20.38            | -50.15         | -13.00         | 37.15          | Vertical   |
| 2155.3944                                                                                                          | 22.14            | -46.09         | -13.00         | 33.09          | Vertical   |
| 3472.5236                                                                                                          | 56.27            | -59.16         | -13.00         | 46.16          | Vertical   |
| 5208.1104                                                                                                          | 51.08            | -57.83         | -13.00         | 44.83          | Vertical   |
| 6944.4472                                                                                                          | 52.64            | -51.26         | -13.00         | 38.26          | Vertical   |
| 12172.9586                                                                                                         | 44.64            | -49.68         | -13.00         | 36.68          | Vertical   |
| <b>Remark:</b><br>1. The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band 5                                                                                                   |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = Low Channel                                                                                   |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                               | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1349.2937                                                                                                    | 19.97            | -50.24         | -13.00         | 37.24          | Horizontal |
| 1921.1151                                                                                                    | 27.42            | -42.16         | -13.00         | 29.16          | Horizontal |
| 4575.8288                                                                                                    | 50.40            | -61.27         | -13.00         | 48.27          | Horizontal |
| 7133.4567                                                                                                    | 46.87            | -56.29         | -13.00         | 43.29          | Horizontal |
| 10985.6493                                                                                                   | 44.82            | -51.13         | -13.00         | 38.13          | Horizontal |
| 16397.1699                                                                                                   | 46.07            | -47.73         | -13.00         | 34.73          | Horizontal |
| 1453.0566                                                                                                    | 20.27            | -49.96         | -13.00         | 36.96          | Vertical   |
| 2153.1441                                                                                                    | 20.96            | -47.28         | -13.00         | 34.28          | Vertical   |
| 4068.8034                                                                                                    | 50.96            | -62.83         | -13.00         | 49.83          | Vertical   |
| 5685.8843                                                                                                    | 48.81            | -58.15         | -13.00         | 45.15          | Vertical   |
| 7993.7497                                                                                                    | 47.57            | -54.25         | -13.00         | 41.25          | Vertical   |
| 11100.4050                                                                                                   | 45.58            | -50.53         | -13.00         | 37.53          | Vertical   |
| <b>Remark:</b> The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band 5                                                                                                   |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = Middle Channel                                                                                |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                               | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1258.5323                                                                                                    | 20.53            | -49.85         | -13.00         | 36.85          | Horizontal |
| 2461.1826                                                                                                    | 21.03            | -46.02         | -13.00         | 33.02          | Horizontal |
| 3910.5455                                                                                                    | 51.21            | -62.64         | -13.00         | 49.64          | Horizontal |
| 7723.7362                                                                                                    | 46.85            | -55.32         | -13.00         | 42.32          | Horizontal |
| 12776.7388                                                                                                   | 43.53            | -49.56         | -13.00         | 36.56          | Horizontal |
| 17913.7457                                                                                                   | 45.58            | -47.37         | -13.00         | 34.37          | Horizontal |
| 1261.0326                                                                                                    | 20.55            | -49.80         | -13.00         | 36.80          | Vertical   |
| 2432.6791                                                                                                    | 21.47            | -45.57         | -13.00         | 32.57          | Vertical   |
| 4542.0771                                                                                                    | 50.55            | -61.30         | -13.00         | 48.30          | Vertical   |
| 7964.4982                                                                                                    | 47.83            | -54.13         | -13.00         | 41.13          | Vertical   |
| 12451.2226                                                                                                   | 44.61            | -49.15         | -13.00         | 36.15          | Vertical   |
| 17913.7457                                                                                                   | 45.35            | -47.60         | -13.00         | 34.60          | Vertical   |
| <b>Remark:</b> The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band 5                                                                                                   |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = High Channel                                                                                  |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                               | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1152.7691                                                                                                    | 20.82            | -49.44         | -13.00         | 36.44          | Horizontal |
| 2225.1531                                                                                                    | 20.74            | -46.96         | -13.00         | 33.96          | Horizontal |
| 3646.5323                                                                                                    | 51.83            | -62.78         | -13.00         | 49.78          | Horizontal |
| 7748.4874                                                                                                    | 46.58            | -55.57         | -13.00         | 42.57          | Horizontal |
| 12178.2089                                                                                                   | 44.41            | -49.89         | -13.00         | 36.89          | Horizontal |
| 17948.2474                                                                                                   | 45.04            | -47.80         | -13.00         | 34.80          | Horizontal |
| 1941.1176                                                                                                    | 25.28            | -43.89         | -13.00         | 30.89          | Vertical   |
| 2620.7026                                                                                                    | 21.29            | -44.93         | -13.00         | 31.93          | Vertical   |
| 3736.5368                                                                                                    | 52.15            | -62.61         | -13.00         | 49.61          | Vertical   |
| 7732.7366                                                                                                    | 46.38            | -55.78         | -13.00         | 42.78          | Vertical   |
| 12756.4878                                                                                                   | 43.79            | -49.35         | -13.00         | 36.35          | Vertical   |
| 16410.6705                                                                                                   | 45.81            | -48.13         | -13.00         | 35.13          | Vertical   |
| <b>Remark:</b> The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band 7                                                                                                         |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = Low Channel                                                                                         |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                                     | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1188.0235                                                                                                          | 20.72            | -50.82         | -25.00         | 25.82          | Horizontal |
| 2941.2427                                                                                                          | 20.93            | -46.39         | -25.00         | 21.39          | Horizontal |
| 4316.3158                                                                                                          | 51.11            | -64.54         | -25.00         | 39.54          | Horizontal |
| 8983.0492                                                                                                          | 47.33            | -53.34         | -25.00         | 28.34          | Horizontal |
| 12963.4982                                                                                                         | 44.98            | -47.34         | -25.00         | 22.34          | Horizontal |
| 16397.1699                                                                                                         | 46.40            | -44.02         | -25.00         | 19.02          | Horizontal |
| 1240.5301                                                                                                          | 20.58            | -50.78         | -25.00         | 25.78          | Vertical   |
| 2943.2429                                                                                                          | 21.06            | -46.25         | -25.00         | 21.25          | Vertical   |
| 7973.4987                                                                                                          | 47.79            | -55.19         | -25.00         | 30.19          | Vertical   |
| 11905.1953                                                                                                         | 44.93            | -48.53         | -25.00         | 23.53          | Vertical   |
| 15027.6014                                                                                                         | 44.30            | -46.02         | -25.00         | 21.02          | Vertical   |
| 16412.9206                                                                                                         | 46.56            | -44.04         | -25.00         | 19.04          | Vertical   |
| <b>Remark:</b><br>1. The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band 7                                                                                       |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = Middle Channel                                                                    |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                   | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1146.0183                                                                                        | 20.43            | -49.99         | -25.00         | 24.99          | Horizontal |
| 2820.2275                                                                                        | 20.94            | -44.61         | -25.00         | 19.61          | Horizontal |
| 4528.5764                                                                                        | 51.11            | -60.71         | -25.00         | 35.71          | Horizontal |
| 7578.2289                                                                                        | 55.26            | -47.14         | -25.00         | 22.14          | Horizontal |
| 11915.6958                                                                                       | 45.09            | -49.28         | -25.00         | 24.28          | Horizontal |
| 17913.7457                                                                                       | 44.96            | -47.99         | -25.00         | 22.99          | Horizontal |
| 1368.7961                                                                                        | 20.10            | -50.09         | -25.00         | 25.09          | Vertical   |
| 2998.9999                                                                                        | 20.70            | -43.78         | -25.00         | 18.78          | Vertical   |
| 4539.8270                                                                                        | 51.42            | -60.43         | -25.00         | 35.43          | Vertical   |
| 7578.2289                                                                                        | 54.91            | -47.49         | -25.00         | 22.49          | Vertical   |
| 10104.3552                                                                                       | 52.08            | -45.61         | -25.00         | 20.61          | Vertical   |
| 16806.6903                                                                                       | 45.06            | -49.30         | -25.00         | 24.30          | Vertical   |
| <b>Remark:</b>                                                                                   |                  |                |                |                |            |
| 1. The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band 7                                                                                       |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = High Channel                                                                      |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                   | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1180.7726                                                                                        | 20.87            | -50.75         | -13.00         | 37.75          | Horizontal |
| 2909.4887                                                                                        | 21.07            | -46.47         | -13.00         | 33.47          | Horizontal |
| 5392.6196                                                                                        | 48.84            | -62.12         | -13.00         | 49.12          | Horizontal |
| 11753.6877                                                                                       | 45.46            | -49.07         | -13.00         | 36.07          | Horizontal |
| 15017.8509                                                                                       | 44.15            | -46.10         | -13.00         | 33.10          | Horizontal |
| 16864.4432                                                                                       | 45.46            | -45.21         | -13.00         | 32.21          | Horizontal |
| 1258.0323                                                                                        | 20.93            | -50.41         | -13.00         | 37.41          | Vertical   |
| 2966.9959                                                                                        | 21.35            | -46.14         | -13.00         | 33.14          | Vertical   |
| 4303.5652                                                                                        | 52.18            | -63.53         | -13.00         | 50.53          | Vertical   |
| 7971.2486                                                                                        | 47.97            | -55.02         | -13.00         | 42.02          | Vertical   |
| 11710.9355                                                                                       | 45.73            | -48.99         | -13.00         | 35.99          | Vertical   |
| 15931.3966                                                                                       | 44.70            | -45.84         | -13.00         | 32.84          | Vertical   |
| <b>Remark:</b>                                                                                   |                  |                |                |                |            |
| 1. The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band 12                                                                                                  |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = Low Channel                                                                                   |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                               | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1474.0593                                                                                                    | 19.91            | -50.19         | -13.00         | 37.19          | Horizontal |
| 2488.1860                                                                                                    | 21.30            | -45.46         | -13.00         | 32.46          | Horizontal |
| 4018.5509                                                                                                    | 50.97            | -62.77         | -13.00         | 49.77          | Horizontal |
| 7370.4685                                                                                                    | 48.39            | -54.60         | -13.00         | 41.60          | Horizontal |
| 11353.1677                                                                                                   | 44.92            | -50.69         | -13.00         | 37.69          | Horizontal |
| 17324.2162                                                                                                   | 45.96            | -50.33         | -13.00         | 37.33          | Horizontal |
| 1191.7740                                                                                                    | 20.54            | -50.01         | -13.00         | 37.01          | Vertical   |
| 2054.3818                                                                                                    | 20.91            | -47.63         | -13.00         | 34.63          | Vertical   |
| 4146.8073                                                                                                    | 50.64            | -62.22         | -13.00         | 49.22          | Vertical   |
| 8374.7687                                                                                                    | 47.98            | -53.16         | -13.00         | 40.16          | Vertical   |
| 12418.2209                                                                                                   | 44.94            | -49.08         | -13.00         | 36.08          | Vertical   |
| 17993.9997                                                                                                   | 46.13            | -47.62         | -13.00         | 34.62          | Vertical   |
| <b>Remark:</b> The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band 12                                                                                                  |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = Middle Channel                                                                                |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                               | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1217.2772                                                                                                    | 20.44            | -50.32         | -13.00         | 37.32          | Horizontal |
| 1943.3679                                                                                                    | 24.89            | -44.32         | -13.00         | 31.32          | Horizontal |
| 4005.8003                                                                                                    | 50.96            | -62.72         | -13.00         | 49.72          | Horizontal |
| 8545.7773                                                                                                    | 46.54            | -53.57         | -13.00         | 40.57          | Horizontal |
| 13038.5019                                                                                                   | 44.18            | -48.49         | -13.00         | 35.49          | Horizontal |
| 17833.4917                                                                                                   | 46.30            | -47.92         | -13.00         | 34.92          | Horizontal |
| 1155.7695                                                                                                    | 20.63            | -49.71         | -13.00         | 36.71          | Vertical   |
| 2392.1740                                                                                                    | 20.99            | -46.04         | -13.00         | 33.04          | Vertical   |
| 4536.8268                                                                                                    | 50.65            | -61.19         | -13.00         | 48.19          | Vertical   |
| 8833.0417                                                                                                    | 46.96            | -52.86         | -13.00         | 39.86          | Vertical   |
| 13035.5018                                                                                                   | 44.34            | -48.32         | -13.00         | 35.32          | Vertical   |
| 17337.7169                                                                                                   | 45.97            | -49.89         | -13.00         | 36.89          | Vertical   |
| <b>Remark:</b> The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band 12                                                                                                  |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = High Channel                                                                                  |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                               | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1186.5233                                                                                                    | 20.62            | -49.91         | -13.00         | 36.91          | Horizontal |
| 2411.6765                                                                                                    | 21.20            | -45.77         | -13.00         | 32.77          | Horizontal |
| 3900.0450                                                                                                    | 51.14            | -62.72         | -13.00         | 49.72          | Horizontal |
| 7467.9734                                                                                                    | 48.15            | -54.14         | -13.00         | 41.14          | Horizontal |
| 15027.6014                                                                                                   | 43.49            | -48.27         | -13.00         | 35.27          | Horizontal |
| 17814.7407                                                                                                   | 46.21            | -47.99         | -13.00         | 34.99          | Horizontal |
| 1197.7747                                                                                                    | 20.67            | -50.04         | -13.00         | 37.04          | Vertical   |
| 2226.9034                                                                                                    | 20.80            | -46.85         | -13.00         | 33.85          | Vertical   |
| 4748.3374                                                                                                    | 49.75            | -60.77         | -13.00         | 47.77          | Vertical   |
| 10019.6010                                                                                                   | 46.62            | -51.50         | -13.00         | 38.50          | Vertical   |
| 14527.3264                                                                                                   | 43.85            | -48.45         | -13.00         | 35.45          | Vertical   |
| 17837.9919                                                                                                   | 46.48            | -47.74         | -13.00         | 34.74          | Vertical   |
| <b>Remark:</b> The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band 13                                                                                                  |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = Middle Channel                                                                                |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                               | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1598.0748                                                                                                    | 20.05            | -50.28         | -40.00         | 10.28          | Horizontal |
| 2650.2063                                                                                                    | 21.13            | -45.00         | -13.00         | 32.00          | Horizontal |
| 4431.0716                                                                                                    | 50.58            | -61.51         | -13.00         | 48.51          | Horizontal |
| 7471.7236                                                                                                    | 48.02            | -54.24         | -13.00         | 41.24          | Horizontal |
| 7999.0000                                                                                                    | 47.35            | -54.44         | -13.00         | 41.44          | Horizontal |
| 9514.0757                                                                                                    | 46.11            | -52.57         | -13.00         | 39.57          | Horizontal |
| 1598.0748                                                                                                    | 20.39            | -49.94         | -40.00         | 9.94           | Vertical   |
| 2313.1641                                                                                                    | 20.79            | -46.75         | -13.00         | 33.75          | Vertical   |
| 3736.5368                                                                                                    | 51.74            | -63.02         | -13.00         | 50.02          | Vertical   |
| 5685.1343                                                                                                    | 49.04            | -57.93         | -13.00         | 44.93          | Vertical   |
| 7484.4742                                                                                                    | 47.76            | -54.40         | -13.00         | 41.40          | Vertical   |
| 8804.5402                                                                                                    | 46.86            | -52.81         | -13.00         | 39.81          | Vertical   |
| <b>Remark:</b> The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band 17                                                                                                  |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = Low Channel                                                                                   |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                               | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1241.5302                                                                                                    | 20.35            | -50.09         | -13.00         | 37.09          | Horizontal |
| 2391.4239                                                                                                    | 21.16            | -45.89         | -13.00         | 32.89          | Horizontal |
| 4509.8255                                                                                                    | 50.87            | -60.92         | -13.00         | 47.92          | Horizontal |
| 9541.0771                                                                                                    | 46.34            | -52.39         | -13.00         | 39.39          | Horizontal |
| 15291.6146                                                                                                   | 43.28            | -49.78         | -13.00         | 36.78          | Horizontal |
| 17984.2492                                                                                                   | 45.79            | -47.76         | -13.00         | 34.76          | Horizontal |
| 1235.7795                                                                                                    | 20.64            | -50.01         | -13.00         | 37.01          | Vertical   |
| 2396.4246                                                                                                    | 21.04            | -45.89         | -13.00         | 32.89          | Vertical   |
| 5188.6094                                                                                                    | 48.71            | -60.33         | -13.00         | 47.33          | Vertical   |
| 10615.8808                                                                                                   | 46.12            | -50.73         | -13.00         | 37.73          | Vertical   |
| 14025.5513                                                                                                   | 43.86            | -48.46         | -13.00         | 35.46          | Vertical   |
| 17982.7491                                                                                                   | 45.87            | -47.65         | -13.00         | 34.65          | Vertical   |
| <b>Remark:</b> The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band 17                                                                                                  |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = Middle Channel                                                                                |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                               | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1309.0386                                                                                                    | 20.28            | -50.21         | -13.00         | 37.21          | Horizontal |
| 2392.9241                                                                                                    | 20.86            | -46.16         | -13.00         | 33.16          | Horizontal |
| 3855.7928                                                                                                    | 51.29            | -63.31         | -13.00         | 50.31          | Horizontal |
| 9538.0769                                                                                                    | 46.34            | -52.39         | -13.00         | 39.39          | Horizontal |
| 14549.0775                                                                                                   | 43.51            | -48.15         | -13.00         | 35.15          | Horizontal |
| 17990.2495                                                                                                   | 46.37            | -47.31         | -13.00         | 34.31          | Horizontal |
| 1334.0418                                                                                                    | 20.39            | -50.00         | -13.00         | 37.00          | Vertical   |
| 2600.2000                                                                                                    | 21.36            | -45.29         | -13.00         | 32.29          | Vertical   |
| 4339.5670                                                                                                    | 50.99            | -61.74         | -13.00         | 48.74          | Vertical   |
| 9583.8292                                                                                                    | 46.05            | -52.34         | -13.00         | 39.34          | Vertical   |
| 14030.8015                                                                                                   | 43.65            | -48.59         | -13.00         | 35.59          | Vertical   |
| 17346.7173                                                                                                   | 45.46            | -50.11         | -13.00         | 37.11          | Vertical   |
| <b>Remark:</b> The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band 17                                                                                                  |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = High Channel                                                                                  |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                               | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1526.5658                                                                                                    | 20.42            | -49.52         | -13.00         | 36.52          | Horizontal |
| 2301.6627                                                                                                    | 20.79            | -46.84         | -13.00         | 33.84          | Horizontal |
| 4989.0995                                                                                                    | 49.11            | -60.33         | -13.00         | 47.33          | Horizontal |
| 9968.5984                                                                                                    | 45.83            | -52.39         | -13.00         | 39.39          | Horizontal |
| 14679.5840                                                                                                   | 44.38            | -48.15         | -13.00         | 35.15          | Horizontal |
| 17966.2483                                                                                                   | 45.26            | -47.91         | -13.00         | 34.91          | Horizontal |
| 1166.5208                                                                                                    | 20.86            | -49.45         | -13.00         | 36.45          | Vertical   |
| 2754.7193                                                                                                    | 21.05            | -44.75         | -13.00         | 31.75          | Vertical   |
| 5597.3799                                                                                                    | 49.41            | -58.53         | -13.00         | 45.53          | Vertical   |
| 10411.1206                                                                                                   | 45.27            | -51.76         | -13.00         | 38.76          | Vertical   |
| 15015.6008                                                                                                   | 43.39            | -48.26         | -13.00         | 35.26          | Vertical   |
| 17928.7464                                                                                                   | 45.55            | -47.35         | -13.00         | 34.35          | Vertical   |
| <b>Remark:</b> The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band 38                                                                                                        |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = Low Channel                                                                                         |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                                     | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1190.2738                                                                                                          | 20.88            | -50.64         | -25.00         | 25.64          | Horizontal |
| 1942.1178                                                                                                          | 20.77            | -48.79         | -25.00         | 23.79          | Horizontal |
| 3467.2734                                                                                                          | 52.32            | -65.90         | -25.00         | 40.90          | Horizontal |
| 5142.1071                                                                                                          | 60.63            | -51.72         | -25.00         | 26.72          | Horizontal |
| 7713.2357                                                                                                          | 53.76            | -49.77         | -25.00         | 24.77          | Horizontal |
| 16398.6699                                                                                                         | 46.69            | -43.70         | -25.00         | 18.70          | Horizontal |
| 1154.5193                                                                                                          | 20.84            | -50.56         | -25.00         | 25.56          | Vertical   |
| 2067.6335                                                                                                          | 20.88            | -48.36         | -25.00         | 23.36          | Vertical   |
| 3546.0273                                                                                                          | 52.75            | -65.29         | -25.00         | 40.29          | Vertical   |
| 5142.1071                                                                                                          | 57.10            | -55.25         | -25.00         | 30.25          | Vertical   |
| 7713.2357                                                                                                          | 53.45            | -50.08         | -25.00         | 25.08          | Vertical   |
| 16409.9205                                                                                                         | 46.84            | -43.70         | -25.00         | 18.70          | Vertical   |
| <b>Remark:</b><br>1. The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band 38                                                                                      |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = Middle Channel                                                                    |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                   | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1328.7911                                                                                        | 20.16            | -50.18         | -25.00         | 25.18          | Horizontal |
| 2921.9902                                                                                        | 20.91            | -43.93         | -25.00         | 18.93          | Horizontal |
| 5172.1086                                                                                        | 56.54            | -52.70         | -25.00         | 27.70          | Horizontal |
| 7758.2379                                                                                        | 57.31            | -44.83         | -25.00         | 19.83          | Horizontal |
| 12980.7490                                                                                       | 44.21            | -48.50         | -25.00         | 23.50          | Horizontal |
| 17975.9988                                                                                       | 45.71            | -47.67         | -25.00         | 22.67          | Horizontal |
| 1370.2963                                                                                        | 20.44            | -49.74         | -25.00         | 24.74          | Vertical   |
| 2784.2230                                                                                        | 21.07            | -44.74         | -25.00         | 19.74          | Vertical   |
| 5172.1086                                                                                        | 58.80            | -50.44         | -25.00         | 25.44          | Vertical   |
| 7758.2379                                                                                        | 55.44            | -46.70         | -25.00         | 21.70          | Vertical   |
| 14032.3016                                                                                       | 44.16            | -48.06         | -25.00         | 23.06          | Vertical   |
| 17976.7488                                                                                       | 45.74            | -47.65         | -25.00         | 22.65          | Vertical   |
| <b>Remark:</b>                                                                                   |                  |                |                |                |            |
| 1. The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band 38                                                                                      |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = High Channel                                                                      |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                   | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1992.1240                                                                                        | 20.88            | -48.52         | -25.00         | 23.52          | Horizontal |
| 5202.1101                                                                                        | 58.83            | -52.80         | -25.00         | 27.80          | Horizontal |
| 7803.2402                                                                                        | 57.64            | -45.72         | -25.00         | 20.72          | Horizontal |
| 10571.6286                                                                                       | 46.14            | -51.45         | -25.00         | 26.45          | Horizontal |
| 13358.7679                                                                                       | 45.60            | -46.62         | -25.00         | 21.62          | Horizontal |
| 16403.9202                                                                                       | 46.70            | -43.73         | -25.00         | 18.73          | Horizontal |
| 1769.8462                                                                                        | 20.78            | -48.97         | -25.00         | 23.97          | Vertical   |
| 5202.1101                                                                                        | 57.45            | -54.18         | -25.00         | 29.18          | Vertical   |
| 7803.2402                                                                                        | 56.13            | -47.23         | -25.00         | 22.23          | Vertical   |
| 11146.1573                                                                                       | 46.01            | -49.78         | -25.00         | 24.78          | Vertical   |
| 15021.6011                                                                                       | 44.14            | -46.14         | -25.00         | 21.14          | Vertical   |
| 16387.4194                                                                                       | 46.46            | -44.16         | -25.00         | 19.16          | Vertical   |
| <b>Remark:</b>                                                                                   |                  |                |                |                |            |
| 1. The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band 41                                                                                                        |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = Low Channel                                                                                         |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                                     | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1337.2922                                                                                                          | 20.80            | -49.65         | -25.00         | 24.65          | Horizontal |
| 2020.3775                                                                                                          | 20.95            | -47.67         | -25.00         | 22.67          | Horizontal |
| 2954.2443                                                                                                          | 20.94            | -43.78         | -25.00         | 18.78          | Horizontal |
| 4994.3497                                                                                                          | 66.00            | -43.40         | -25.00         | 18.40          | Horizontal |
| 7491.2246                                                                                                          | 53.57            | -48.53         | -25.00         | 23.53          | Horizontal |
| 15032.8516                                                                                                         | 43.96            | -47.85         | -25.00         | 22.85          | Horizontal |
| 1305.0381                                                                                                          | 20.41            | -50.09         | -25.00         | 25.09          | Vertical   |
| 2927.9910                                                                                                          | 20.57            | -44.17         | -25.00         | 19.17          | Vertical   |
| 4994.3497                                                                                                          | 66.77            | -42.63         | -25.00         | 17.63          | Vertical   |
| 7491.2246                                                                                                          | 51.76            | -50.34         | -25.00         | 25.34          | Vertical   |
| 14046.5523                                                                                                         | 44.34            | -47.66         | -25.00         | 22.66          | Vertical   |
| 17993.9997                                                                                                         | 46.81            | -46.94         | -25.00         | 21.94          | Vertical   |
| <b>Remark:</b><br>1. The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band 41                                                                                                        |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = Middle Channel                                                                                      |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                                     | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1963.8705                                                                                                          | 21.42            | -47.95         | -25.00         | 22.95          | Horizontal |
| 4142.3071                                                                                                          | 50.87            | -65.09         | -25.00         | 40.09          | Horizontal |
| 5168.3584                                                                                                          | 62.24            | -49.82         | -25.00         | 24.82          | Horizontal |
| 7752.2376                                                                                                          | 55.99            | -47.47         | -25.00         | 22.47          | Horizontal |
| 12961.9981                                                                                                         | 44.95            | -47.39         | -25.00         | 22.39          | Horizontal |
| 16862.9431                                                                                                         | 45.32            | -45.36         | -25.00         | 20.36          | Horizontal |
| 1941.6177                                                                                                          | 26.17            | -43.38         | -25.00         | 18.38          | Vertical   |
| 5168.3584                                                                                                          | 57.85            | -54.21         | -25.00         | 29.21          | Vertical   |
| 7752.2376                                                                                                          | 56.40            | -47.06         | -25.00         | 22.06          | Vertical   |
| 10027.8514                                                                                                         | 46.43            | -52.26         | -25.00         | 27.26          | Vertical   |
| 12410.7205                                                                                                         | 45.74            | -47.59         | -25.00         | 22.59          | Vertical   |
| 16427.1714                                                                                                         | 47.02            | -43.85         | -25.00         | 18.85          | Vertical   |
| <b>Remark:</b><br>1. The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band 41                                                                                      |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = High Channel                                                                      |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                   | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1968.6211                                                                                        | 20.72            | -48.48         | -25.00         | 23.48          | Horizontal |
| 5342.3671                                                                                        | 53.97            | -57.30         | -25.00         | 32.30          | Horizontal |
| 7471.7236                                                                                        | 48.42            | -55.49         | -25.00         | 30.49          | Horizontal |
| 10367.6184                                                                                       | 45.96            | -52.02         | -25.00         | 27.02          | Horizontal |
| 12406.2203                                                                                       | 46.31            | -47.06         | -25.00         | 22.06          | Horizontal |
| 16406.1703                                                                                       | 46.21            | -44.26         | -25.00         | 19.26          | Horizontal |
| 1701.3377                                                                                        | 20.89            | -49.06         | -25.00         | 24.06          | Vertical   |
| 5342.3671                                                                                        | 52.85            | -58.42         | -25.00         | 33.42          | Vertical   |
| 7489.7245                                                                                        | 47.94            | -55.79         | -25.00         | 30.79          | Vertical   |
| 9764.5882                                                                                        | 46.24            | -52.92         | -25.00         | 27.92          | Vertical   |
| 12824.7412                                                                                       | 44.82            | -47.71         | -25.00         | 22.71          | Vertical   |
| 16409.9205                                                                                       | 46.30            | -44.24         | -25.00         | 19.24          | Vertical   |
| <b>Remark:</b>                                                                                   |                  |                |                |                |            |
| 1. The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band 66                                                                                      |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = Low Channel                                                                       |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                   | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1195.0244                                                                                        | 20.43            | -50.21         | -13.00         | 37.21          | Horizontal |
| 2138.6423                                                                                        | 31.53            | -36.61         | -13.00         | 23.61          | Horizontal |
| 3471.7736                                                                                        | 59.79            | -55.66         | -13.00         | 42.66          | Horizontal |
| 5208.1104                                                                                        | 54.43            | -54.48         | -13.00         | 41.48          | Horizontal |
| 12820.9911                                                                                       | 44.56            | -48.59         | -13.00         | 35.59          | Horizontal |
| 17971.4986                                                                                       | 45.53            | -47.75         | -13.00         | 34.75          | Horizontal |
| 1277.2847                                                                                        | 20.51            | -49.93         | -13.00         | 36.93          | Vertical   |
| 2138.8924                                                                                        | 31.38            | -36.75         | -13.00         | 23.75          | Vertical   |
| 3472.5236                                                                                        | 57.09            | -58.34         | -13.00         | 45.34          | Vertical   |
| 5208.1104                                                                                        | 54.52            | -54.39         | -13.00         | 41.39          | Vertical   |
| 9545.5773                                                                                        | 46.10            | -52.64         | -13.00         | 39.64          | Vertical   |
| 16401.6701                                                                                       | 45.33            | -48.44         | -13.00         | 35.44          | Vertical   |
| <b>Remark:</b>                                                                                   |                  |                |                |                |            |
| 1. The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band 66                                                                                      |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = Middle Channel                                                                    |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                   | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 2474.4343                                                                                        | 21.04            | -47.37         | -13.00         | 34.37          | Horizontal |
| 3472.5236                                                                                        | 57.61            | -60.49         | -13.00         | 47.49          | Horizontal |
| 5208.1104                                                                                        | 54.47            | -57.16         | -13.00         | 44.16          | Horizontal |
| 7758.2379                                                                                        | 47.96            | -55.49         | -13.00         | 42.49          | Horizontal |
| 10014.3507                                                                                       | 46.58            | -52.20         | -13.00         | 39.20          | Horizontal |
| 14702.8351                                                                                       | 44.97            | -46.68         | -13.00         | 33.68          | Horizontal |
| 2141.6427                                                                                        | 22.58            | -46.50         | -13.00         | 33.50          | Vertical   |
| 3472.5236                                                                                        | 56.02            | -62.08         | -13.00         | 49.08          | Vertical   |
| 5208.1104                                                                                        | 54.39            | -57.24         | -13.00         | 44.24          | Vertical   |
| 6998.4499                                                                                        | 48.49            | -57.46         | -13.00         | 44.46          | Vertical   |
| 8829.2915                                                                                        | 47.36            | -53.93         | -13.00         | 40.93          | Vertical   |
| 12115.2058                                                                                       | 45.06            | -48.58         | -13.00         | 35.58          | Vertical   |
| <b>Remark:</b>                                                                                   |                  |                |                |                |            |
| 1. The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band 66                                                                                      |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = High Channel                                                                      |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                   | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 2163.1454                                                                                        | 23.01            | -46.15         | -13.00         | 33.15          | Horizontal |
| 3522.0261                                                                                        | 57.90            | -59.86         | -13.00         | 46.86          | Horizontal |
| 5283.1142                                                                                        | 51.72            | -60.01         | -13.00         | 47.01          | Horizontal |
| 7469.4735                                                                                        | 48.53            | -55.40         | -13.00         | 42.40          | Horizontal |
| 11916.4458                                                                                       | 44.69            | -48.94         | -13.00         | 35.94          | Horizontal |
| 16404.6702                                                                                       | 46.34            | -44.11         | -13.00         | 31.11          | Horizontal |
| 2166.1458                                                                                        | 23.21            | -45.91         | -13.00         | 32.91          | Vertical   |
| 3522.0261                                                                                        | 55.58            | -62.18         | -13.00         | 49.18          | Vertical   |
| 5283.1142                                                                                        | 53.41            | -58.32         | -13.00         | 45.32          | Vertical   |
| 7487.4744                                                                                        | 48.43            | -55.32         | -13.00         | 42.32          | Vertical   |
| 10648.8824                                                                                       | 46.92            | -50.41         | -13.00         | 37.41          | Vertical   |
| 16412.9206                                                                                       | 46.35            | -44.25         | -13.00         | 31.25          | Vertical   |
| <b>Remark:</b>                                                                                   |                  |                |                |                |            |
| 1. The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band CA_7C                                                                                   |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = Low Channel                                                                       |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                   | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1294.5368                                                                                        | 21.06            | -50.38         | -25.00         | 25.38          | Horizontal |
| 2931.7415                                                                                        | 20.44            | -46.83         | -25.00         | 21.83          | Horizontal |
| 3759.7880                                                                                        | 52.09            | -65.41         | -25.00         | 40.41          | Horizontal |
| 7503.2252                                                                                        | 52.83            | -50.85         | -25.00         | 25.85          | Horizontal |
| 11777.6889                                                                                       | 45.71            | -48.83         | -25.00         | 23.83          | Horizontal |
| 16394.1697                                                                                       | 46.91            | -43.57         | -25.00         | 18.57          | Horizontal |
| 1399.8000                                                                                        | 20.70            | -50.36         | -25.00         | 25.36          | Vertical   |
| 2999.7500                                                                                        | 20.65            | -46.49         | -25.00         | 21.49          | Vertical   |
| 4427.3214                                                                                        | 50.88            | -63.99         | -25.00         | 38.99          | Vertical   |
| 7503.2252                                                                                        | 53.10            | -50.58         | -25.00         | 25.58          | Vertical   |
| 10004.6002                                                                                       | 53.72            | -45.12         | -25.00         | 20.12          | Vertical   |
| 16391.1696                                                                                       | 47.66            | -42.88         | -25.00         | 17.88          | Vertical   |
| <b>Remark:</b>                                                                                   |                  |                |                |                |            |
| 1. The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band CA_7C                                                                                   |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = Middle Channel                                                                    |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                   | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1629.0786                                                                                        | 20.78            | -49.70         | -25.00         | 24.70          | Horizontal |
| 3916.5458                                                                                        | 51.20            | -65.73         | -25.00         | 40.73          | Horizontal |
| 5814.1407                                                                                        | 49.15            | -60.43         | -25.00         | 35.43          | Horizontal |
| 7844.4922                                                                                        | 47.32            | -55.63         | -25.00         | 30.63          | Horizontal |
| 10250.6125                                                                                       | 46.25            | -51.65         | -25.00         | 26.65          | Horizontal |
| 12442.2221                                                                                       | 46.05            | -47.02         | -25.00         | 22.02          | Horizontal |
| 1680.5851                                                                                        | 20.47            | -49.52         | -25.00         | 24.52          | Vertical   |
| 3875.2938                                                                                        | 51.61            | -65.71         | -25.00         | 40.71          | Vertical   |
| 5325.1163                                                                                        | 48.92            | -62.56         | -25.00         | 37.56          | Vertical   |
| 7990.7495                                                                                        | 47.63            | -55.25         | -25.00         | 30.25          | Vertical   |
| 11270.6635                                                                                       | 46.58            | -49.38         | -25.00         | 24.38          | Vertical   |
| 15190.3595                                                                                       | 44.89            | -46.28         | -25.00         | 21.28          | Vertical   |
| <b>Remark:</b>                                                                                   |                  |                |                |                |            |
| 1. The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band CA_7C                                                                                   |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = High Channel                                                                      |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                   | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1593.0741                                                                                        | 20.42            | -50.15         | -25.00         | 25.15          | Horizontal |
| 4086.8043                                                                                        | 51.48            | -65.30         | -25.00         | 40.30          | Horizontal |
| 6509.4255                                                                                        | 48.20            | -58.40         | -25.00         | 33.40          | Horizontal |
| 9010.0505                                                                                        | 46.91            | -53.63         | -25.00         | 28.63          | Horizontal |
| 13811.0406                                                                                       | 44.85            | -47.27         | -25.00         | 22.27          | Horizontal |
| 17912.9957                                                                                       | 46.92            | -45.45         | -25.00         | 20.45          | Horizontal |
| 1527.3159                                                                                        | 20.45            | -49.90         | -25.00         | 24.90          | Vertical   |
| 4478.3239                                                                                        | 50.75            | -63.79         | -25.00         | 38.79          | Vertical   |
| 6342.1671                                                                                        | 48.47            | -59.43         | -25.00         | 34.43          | Vertical   |
| 7771.7386                                                                                        | 47.06            | -56.37         | -25.00         | 31.37          | Vertical   |
| 10627.1314                                                                                       | 46.60            | -50.73         | -25.00         | 25.73          | Vertical   |
| 14433.5717                                                                                       | 44.86            | -47.04         | -25.00         | 22.04          | Vertical   |
| <b>Remark:</b>                                                                                   |                  |                |                |                |            |
| 1. The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band CA_38C                                                                                  |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = Low Channel                                                                       |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                   | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1510.5638                                                                                        | 20.39            | -49.93         | -25.00         | 24.93          | Horizontal |
| 3723.7862                                                                                        | 52.47            | -65.39         | -25.00         | 40.39          | Horizontal |
| 5868.1434                                                                                        | 48.95            | -60.63         | -25.00         | 35.63          | Horizontal |
| 9044.5522                                                                                        | 47.39            | -53.26         | -25.00         | 28.26          | Horizontal |
| 12170.7085                                                                                       | 45.14            | -48.37         | -25.00         | 23.37          | Horizontal |
| 16926.6963                                                                                       | 45.00            | -45.24         | -25.00         | 20.24          | Horizontal |
| 1472.8091                                                                                        | 20.47            | -50.21         | -25.00         | 25.21          | Vertical   |
| 3900.0450                                                                                        | 51.27            | -65.66         | -25.00         | 40.66          | Vertical   |
| 5698.6349                                                                                        | 49.37            | -59.67         | -25.00         | 34.67          | Vertical   |
| 8051.5026                                                                                        | 47.24            | -55.49         | -25.00         | 30.49          | Vertical   |
| 11773.9387                                                                                       | 45.49            | -49.05         | -25.00         | 24.05          | Vertical   |
| 17982.7491                                                                                       | 47.54            | -45.60         | -25.00         | 20.60          | Vertical   |
| <b>Remark:</b>                                                                                   |                  |                |                |                |            |
| 1. The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band CA_38C                                                                                                    |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = Middle Channel                                                                                      |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                                     | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1348.7936                                                                                                          | 20.43            | -50.64         | -25.00         | 25.64          | Horizontal |
| 4309.5655                                                                                                          | 51.50            | -64.18         | -25.00         | 39.18          | Horizontal |
| 6780.1890                                                                                                          | 48.31            | -58.26         | -25.00         | 33.26          | Horizontal |
| 8828.5414                                                                                                          | 47.02            | -54.27         | -25.00         | 29.27          | Horizontal |
| 13017.5009                                                                                                         | 44.45            | -47.51         | -25.00         | 22.51          | Horizontal |
| 16926.6963                                                                                                         | 45.04            | -45.20         | -25.00         | 20.20          | Horizontal |
| 1660.8326                                                                                                          | 20.51            | -49.73         | -25.00         | 24.73          | Vertical   |
| 4000.5500                                                                                                          | 51.32            | -65.50         | -25.00         | 40.50          | Vertical   |
| 5239.6120                                                                                                          | 49.38            | -62.26         | -25.00         | 37.26          | Vertical   |
| 6522.1761                                                                                                          | 48.46            | -58.41         | -25.00         | 33.41          | Vertical   |
| 9541.0771                                                                                                          | 46.64            | -53.16         | -25.00         | 28.16          | Vertical   |
| 15618.6309                                                                                                         | 43.98            | -46.63         | -25.00         | 21.63          | Vertical   |
| <b>Remark:</b><br>1. The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band CA_38C                                                                                                    |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = High Channel                                                                                        |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                                     | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1247.0309                                                                                                          | 20.90            | -50.69         | -25.00         | 25.69          | Horizontal |
| 1978.6223                                                                                                          | 20.84            | -48.44         | -25.00         | 23.44          | Horizontal |
| 5162.3581                                                                                                          | 53.10            | -59.04         | -25.00         | 34.04          | Horizontal |
| 7743.9872                                                                                                          | 51.73            | -51.74         | -25.00         | 26.74          | Horizontal |
| 13364.0182                                                                                                         | 45.42            | -46.75         | -25.00         | 21.75          | Horizontal |
| 16398.6699                                                                                                         | 46.83            | -43.56         | -25.00         | 18.56          | Horizontal |
| 1333.5417                                                                                                          | 20.61            | -50.63         | -25.00         | 25.63          | Vertical   |
| 1938.1173                                                                                                          | 21.20            | -48.38         | -25.00         | 23.38          | Vertical   |
| 5668.6334                                                                                                          | 49.24            | -60.19         | -25.00         | 35.19          | Vertical   |
| 11793.4397                                                                                                         | 45.92            | -48.63         | -25.00         | 23.63          | Vertical   |
| 15945.6473                                                                                                         | 45.04            | -45.60         | -25.00         | 20.60          | Vertical   |
| 17807.9904                                                                                                         | 47.89            | -45.42         | -25.00         | 20.42          | Vertical   |
| <b>Remark:</b><br>1. The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band CA_41C                                                                                  |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = Low Channel                                                                       |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                   | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1436.5546                                                                                        | 20.43            | -50.32         | -25.00         | 25.32          | Horizontal |
| 4187.3094                                                                                        | 50.79            | -64.97         | -25.00         | 39.97          | Horizontal |
| 7467.9734                                                                                        | 48.52            | -55.42         | -25.00         | 30.42          | Horizontal |
| 11927.6964                                                                                       | 45.73            | -48.06         | -25.00         | 23.06          | Horizontal |
| 15035.8518                                                                                       | 44.60            | -45.79         | -25.00         | 20.79          | Horizontal |
| 17738.2369                                                                                       | 47.90            | -45.65         | -25.00         | 20.65          | Horizontal |
| 1241.2802                                                                                        | 20.65            | -50.74         | -25.00         | 25.74          | Vertical   |
| 3975.0488                                                                                        | 51.16            | -65.71         | -25.00         | 40.71          | Vertical   |
| 5674.6337                                                                                        | 49.58            | -59.77         | -25.00         | 34.77          | Vertical   |
| 9010.8005                                                                                        | 47.22            | -53.32         | -25.00         | 28.32          | Vertical   |
| 12856.2428                                                                                       | 45.71            | -47.01         | -25.00         | 22.01          | Vertical   |
| 17807.9904                                                                                       | 48.10            | -45.21         | -25.00         | 20.21          | Vertical   |
| <b>Remark:</b>                                                                                   |                  |                |                |                |            |
| 1. The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band CA_41C                                                                                  |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = Middle Channel                                                                    |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                   | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1508.0635                                                                                        | 20.39            | -49.98         | -25.00         | 24.98          | Horizontal |
| 3702.7851                                                                                        | 52.55            | -65.62         | -25.00         | 40.62          | Horizontal |
| 5813.3907                                                                                        | 49.38            | -60.19         | -25.00         | 35.19          | Horizontal |
| 9368.5684                                                                                        | 46.60            | -53.32         | -25.00         | 28.32          | Horizontal |
| 13036.2518                                                                                       | 45.19            | -46.88         | -25.00         | 21.88          | Horizontal |
| 17990.2495                                                                                       | 48.14            | -45.18         | -25.00         | 20.18          | Horizontal |
| 1429.3037                                                                                        | 20.82            | -50.09         | -25.00         | 25.09          | Vertical   |
| 3523.5262                                                                                        | 52.35            | -65.43         | -25.00         | 40.43          | Vertical   |
| 5420.3710                                                                                        | 48.88            | -61.86         | -25.00         | 36.86          | Vertical   |
| 7970.4985                                                                                        | 48.00            | -55.00         | -25.00         | 30.00          | Vertical   |
| 12393.4697                                                                                       | 44.97            | -48.48         | -25.00         | 23.48          | Vertical   |
| 17333.9667                                                                                       | 47.40            | -46.34         | -25.00         | 21.34          | Vertical   |
| <b>Remark:</b>                                                                                   |                  |                |                |                |            |
| 1. The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

| LTE Band CA_41C                                                                                  |                  |                |                |                |            |
|--------------------------------------------------------------------------------------------------|------------------|----------------|----------------|----------------|------------|
| Test Channel = High Channel                                                                      |                  |                |                |                |            |
| Freq.<br>[MHz]                                                                                   | Reading<br>[dBm] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Polarity   |
| 1283.7855                                                                                        | 20.85            | -50.49         | -13.00         | 37.49          | Horizontal |
| 2934.2418                                                                                        | 20.77            | -46.51         | -13.00         | 33.51          | Horizontal |
| 5302.6151                                                                                        | 54.25            | -57.50         | -13.00         | 44.50          | Horizontal |
| 7953.9977                                                                                        | 55.59            | -47.51         | -13.00         | 34.51          | Horizontal |
| 15048.6024                                                                                       | 44.77            | -45.71         | -13.00         | 32.71          | Horizontal |
| 16397.1699                                                                                       | 46.82            | -43.60         | -13.00         | 30.60          | Horizontal |
| 1504.8131                                                                                        | 20.62            | -49.86         | -13.00         | 36.86          | Vertical   |
| 2956.7446                                                                                        | 20.77            | -46.56         | -13.00         | 33.56          | Vertical   |
| 3498.0249                                                                                        | 53.56            | -63.98         | -13.00         | 50.98          | Vertical   |
| 7953.9977                                                                                        | 56.53            | -46.57         | -13.00         | 33.57          | Vertical   |
| 13361.7681                                                                                       | 45.26            | -46.93         | -13.00         | 33.93          | Vertical   |
| 16407.6704                                                                                       | 46.40            | -44.10         | -13.00         | 31.10          | Vertical   |
| <b>Remark:</b>                                                                                   |                  |                |                |                |            |
| 1. The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report. |                  |                |                |                |            |

## 7 Test Setup Photo

Reference to the test setup photos: PCE-Test Setup Photo

## 8 EUT Constructional Details

Reference to the External Photo and Internal Photo

-----End of report-----