

## **TEST REPORT**

**Applicant:** JACS Solutions, Inc.  
**EUT Description:** TD0231 5G Industrial Dongle  
**Model:** TD0231  
**Brand:** JACS  
**FCC ID:** 2AGCDJACSTD0231  
**Standards:** FCC CFR Title 47 Part 2  
FCC CFR Title 47 Part 22  
FCC CFR Title 47 Part 24  
FCC CFR Title 47 Part 27  
FCC CFR Title 47 Part 90  
FCC CFR Title 47 Part 96  
**Date of Receipt:** 2025/09/26  
**Date of Test:** 2025/09/26 to 2025/11/26  
**Date of Issue:** 2025/12/01

TOWE. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

the results documented in this report apply only the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility assure that additional production units of the model are manufactured with identical electrical and mechanical components. All sample tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise. without written approval of TOWE, the test report shall not be reproduced except in full.



**Jim Huang**  
**Approved By:**



**Carey Chen**  
**Reviewed By:**

## Revision History

| Rev. | Issue Date | Description | Revised by |
|------|------------|-------------|------------|
| 01   | 2025/12/01 | Original    | Carey Chen |

## Summary of Test Results

| FCC Part                                                                                                                                                                         | Test Band                                                                                                                                                                                                                                                                                         | Test Item                              | Test Result |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------|
| §2.1046,<br>§22.913(a)(5)<br>§27.50(c)(10)<br>§90.542(a)<br>§27.50(b)(10)                                                                                                        | NR Band n5/ NR Band n26 (824~849 MHz)<br>NR Band n12/71<br>NR Band n14<br>NR Band n13                                                                                                                                                                                                             | Effective Radiated Power               | Pass*       |
| §2.1046,<br>§27.50(h)(2)<br>§24.232(c)<br>§27.50(d)(4)<br>§27.50(k)(3)<br>§27.50(j)(3)<br>§96.41                                                                                 | NR Band n7/ NR Band n38/ NR Band n41<br>NR Band n2/ NR Band n25<br>NR Band n66<br>NR Band n77/78(3450-3550MHz)<br>NR Band n77/78(3700-3980MHz)<br>NR Band n48                                                                                                                                     | Effective Isotropic Radiated Power     | Pass*       |
| §27.50(a)(3)                                                                                                                                                                     | NR Band n30                                                                                                                                                                                                                                                                                       | Maximum EIRP and Maximum PSD           | Pass*       |
| §2.1046,<br>§90.635(b)                                                                                                                                                           | NR Band n26(814~824 MHz)                                                                                                                                                                                                                                                                          | Transmitter Conducted Power Output     | Pass*       |
| §22.913(d)<br>§24.232(d)<br>§27.50(d)(5)<br>§96.41                                                                                                                               | NR Band n5/ NR Band n26 (824~849 MHz)<br>NR Band n2/ NR Band n25<br>Others NR Band<br>NR Band n48                                                                                                                                                                                                 | Peak-Average Ratio                     | Pass*       |
| §2.1049                                                                                                                                                                          | All NR Band                                                                                                                                                                                                                                                                                       | Occupied Bandwidth                     | Pass*       |
| §2.1051<br>§90.210(b)<br>§90.691(a)                                                                                                                                              | NR Band n14<br>NR Band n26(814~824 MHz)                                                                                                                                                                                                                                                           | Emission Mask                          | Pass*       |
| §2.1051<br>§22.917(a)<br>§27.53(m4)<br>§24.238(a)<br>§27.53(g)<br>§27.53(c)<br>§90.543(e)(2)(3)<br>§27.53(a)(4)<br>§27.53(h)<br>§27.50(n)(2)<br>§27.53(l)(2)<br>§96.41           | NR Band n5/ NR Band n26 (824~849 MHz)<br>NR Band n7/ NR Band n38/ NR Band n41<br>NR Band n2/ NR Band n25<br>NR Band n12/71<br>NR Band n13<br>NR Band n14<br>NR Band n30<br>NR Band n66<br>NR Band n77/78(3450-3550MHz)<br>NR Band n77/78(3700-3980MHz)<br>NR Band n48                             | Band Edge                              | Pass*       |
| §2.1051<br>§22.917(a)<br>§27.53(m)<br>§24.238(a)<br>§27.53(g)<br>§27.53(c)(f)<br>§90.543(c)(f)<br>§90.691<br>§27.53(a)(4)<br>§27.53(h)<br>§27.50(n)(2)<br>§27.53(l)(2)<br>§96.41 | NR Band n5/ NR Band n26 (824~849 MHz)<br>NR Band n7/ NR Band n38/ NR Band n41<br>NR Band n2/ NR Band n25<br>NR Band n12/71<br>NR Band n13<br>NR Band n14<br>NR Band n26(814~824 MHz)<br>NR Band n30<br>NR Band n66<br>NR Band n77/78(3450-3550MHz)<br>NR Band n77/78(3700-3980MHz)<br>NR Band n48 | Spurious Emission at Antenna Terminals | Pass*       |
| §2.1051<br>§22.917(a)<br>§27.53(m)<br>§24.238(a)<br>§27.53(g)<br>§27.53(c)(f)<br>§90.543(c)(f)<br>§90.691                                                                        | NR Band n5/ NR Band n26 (824~849 MHz)<br>NR Band n7/ NR Band n38/ NR Band n41<br>NR Band n2/ NR Band n25<br>NR Band n12/71<br>NR Band n13<br>NR Band n14<br>NR Band n26(814~824 MHz)                                                                                                              | Field Strength of Spurious Radiation   | Pass        |

| FCC Part                                                            | Test Band                                                                                                                                 | Test Item                      | Test Result |
|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------|
| §27.53(a)(4)<br>§27.53(h)<br>§27.50(n)(2)<br>§27.53(l)(2)<br>§96.41 | NR Band n30<br>NR Band n66<br>NR Band n77/78(3450-3550MHz)<br>NR Band n77/78(3700-3980MHz)<br>NR Band n48                                 |                                |             |
| §2.1055<br>§22.355<br>§24.235<br>§27.54<br>§90.213<br>§96.41        | NR Band n5/ NR Band n26 (824~849 MHz)<br>NR Band n2/ NR Band n25<br>Others NR Band<br>NR Band n14/NR Band n26(814~824 MHz)<br>NR Band n48 | Frequency Stability            | Pass*       |
| §96.41                                                              | NR Band n48                                                                                                                               | Adjacent Channel Leakage Ratio | Pass*       |

## Remark:

1. Pass: Meet the requirement.
2. Pass\*: Refer to Module FCC ID: XMR2023RG520NNA, Detailed data reference Report No.: 2303RSU050-U1 & 2303RSU050-U2 & 2303RSU050-U3 & 2303RSU050-U4 & 2303RSU050-U5 & 2303RSU050-U6, provided by MRT Technology (Suzhou) Co., Ltd.
3. The items of power data refer to the previous report, updated the ERP/EIRP and only the maximum power of all frequency bands displayed in this report.

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# 1 General Description

## 1.1 Lab Information

### 1.1.1 Testing Location

These measurements tests were conducted at the Sushi TOWE Wireless Testing(Shenzhen) Co., Ltd. facility located at F401 and F101, Building E, Hongwei Industrial Zone, Liuxian 3rd Road, Bao'an District, Shenzhen, China. The measurement facility is compliant with the test site requirements specified in ANSI C63.4-2014

Tel.: +86-755-27212361

Contact Email: info@towewireless.com

### 1.1.2 Test Facility / Accreditations

#### A2LA (Certificate Number: 7088.01)

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. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

#### FCC Designation No.: CN1353

Sushi TOWE Wireless Testing(Shenzhen) Co., Ltd. has been recognized as an accredited testing laboratory. Designation Number: CN1353.

#### ISED CAB identifier: CN0152

Sushi TOWE Wireless Testing(Shenzhen) Co., Ltd. has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0152

Company Number: 31000

## 1.2 Client Information

### 1.2.1 Applicant

|            |                                                               |
|------------|---------------------------------------------------------------|
| Applicant: | JACS Solutions, Inc.                                          |
| Address:   | 809 Pinnacle Drive, Suite R, Linthicum Heights, MD 21090, USA |

### 1.2.2 Manufacturer

|               |                                                               |
|---------------|---------------------------------------------------------------|
| Manufacturer: | JACS Solutions, Inc.                                          |
| Address:      | 809 Pinnacle Drive, Suite R, Linthicum Heights, MD 21090, USA |

### 1.3 Product Information

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |                  |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------|
| EUT Description:           | TD0231 5G Industrial Dongle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                  |                  |
| Model:                     | TD0231                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |                  |
| Brand:                     | JACS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                  |
| Hardware Version:          | V1.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                  |
| Software Version:          | TD0231_JACS_V1.0.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                  |                  |
| IMEI:                      | 863109050663678                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |                  |
| Technical specification:   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                  |                  |
| Operation Frequency Range: | Band                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | TX Frequency     | RX Frequency     |
|                            | NR Band n2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1850 to 1910 MHz | 1930 to 1990 MHz |
|                            | NR Band n5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 824 to 849 MHz   | 869 to 894 MHz   |
|                            | NR Band n7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2500 to 2570 MHz | 2620 to 2690 MHz |
|                            | NR Band n12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 699 to 716 MHz   | 729 to 746 MHz   |
|                            | NR Band n13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 777 to 787 MHz   | 746 to 756 MHz   |
|                            | NR Band n14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 788 to 798 MHz   | 758 to 768 MHz   |
|                            | NR Band n25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1850 to 1915MHz  | 1930 to 1995 MHz |
|                            | NR Band n26<br>(814 to 824 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 814 to 824MHz    | 859 to 869 MHz   |
|                            | NR Band n26<br>(824 to 849 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 824 to 849 MHz   | 869 to 894 MHz   |
|                            | NR Band n30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2305 to 2315 MHz | 2350 to 2360 MHz |
|                            | NR Band n38                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2570 to 2620 MHz | 2570 to 2620 MHz |
|                            | NR Band n41                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2496 to 2690 MHz | 2496 to 2690 MHz |
|                            | NR Band n48                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3550 to 3700 MHz | 3550 to 3700 MHz |
|                            | NR Band n66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1710 to 1780 MHz | 2110 to 2200 MHz |
|                            | NR Band n71                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 663 to 698 MHz   | 617 to 652 MHz   |
|                            | NR Band n77*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3450 to 3550 MHz | 3450 to 3550 MHz |
|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3700 to 3980 MHz | 3700 to 3980 MHz |
|                            | NR Band n78*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3450 to 3550 MHz | 3450 to 3550 MHz |
|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3700 to 3800 MHz | 3700 to 3800 MHz |
|                            | Note*:<br>The frequency range of NR Band n77 covers the frequency range of NR Band n78, so NR Band n78 is exempt from testing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                  |                  |
| NR Mode:                   | DC_5A_n2A; DC_14A_n2A; DC_30A_n2A; DC_12A_n2A; DC_66A_n2A; DC_71A_n2A; DC_13A_n2A; DC_7A_n2A; DC_4A_n2A; DC_13A_n5A; DC_2A_n5A; DC_12A_n5A; DC_30A_n5A; DC_66A_n5A; DC_7A_n5A; DC_48A_n5A; DC_5A_n7A; DC_12A_n7A; DC_66A_n7A; DC_71A_n7A; DC_13A_n7A; DC_2A_n7A; DC_4A_n7A; DC_2A_n12A; DC_30A_n12A; DC_66A_n12A; DC_7A_n12A; DC_5A_n12A; DC_48A_n12A; DC_2A_n14A; DC_30A_n14A; DC_66A_n14A; DC_66A_n25A; DC_12A_n25A; DC_48A_n25A; DC_7A_n25A; DC_71A_n25A; DC_5A_n25A; DC_26A_n25A; DC_13A_n25A; DC_2A_n30A; DC_5A_n30A; DC_12A_n30A; DC_14A_n30A; DC_66A_n30A; DC_66A_n38A; DC_2A_n38A; DC_12A_n38A; DC_4A_n38A; DC_5A_n38A; DC_71A_n38A; DC_2A_n41A; DC_66A_n41A; DC_25A_n41A; DC_26A_n41A; DC_5A_n41A; DC_4A_n41A; DC_12A_n41A; DC_71A_n41A; DC_2A_n48A; DC_5A_n48A; DC_13A_n48A; DC_66A_n48A; DC_13A_n66A; DC_2A_n66A; |                  |                  |

|                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
|                                                                                                                                                   | DC_5A_n66A; DC_12A_n66A; DC_14A_n66A; DC_30A_n66A; DC_71A_n66A;<br>DC_48A_n66A; DC_7A_n66A; DC_2A_n71A; DC_66A_n71A; DC_5A_n71A;<br>DC_7A_n71A; DC_48A_n71A; DC_41A_n77A; DC_7A_n77A; DC_2A_n77A;<br>DC_5A_n77A; DC_13A_n77A; DC_66A_n77A; DC_12A_n77A; DC_14A_n77A;<br>DC_30A_n77A; DC_25A_n77A; DC_71A_n77A; DC_7A_n78A; DC_38A_n78A;<br>DC_5A_n78A; DC_66A_n78A; DC_2A_n78A; DC_12A_n78A; DC_13A_n78A;<br>DC_41A_n78A; DC_4A_n78A; DC_71A_n78A; DC_26A_n78A; DC_25A_n78A; |                                          |
| Type of Modulation:                                                                                                                               | <input checked="" type="checkbox"/> DFT-s-OFDM:                                                                                                                                                                                                                                                                                                                                                                                                                              | PI/2-BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM |
|                                                                                                                                                   | <input checked="" type="checkbox"/> CP-OFDM:                                                                                                                                                                                                                                                                                                                                                                                                                                 | QPSK, 16-QAM, 64-QAM, 256-QAM            |
| Feature:                                                                                                                                          | UL 2*2 MIMO: NR Band n38; NR Band n41; NR Band n77; NR Band n78;                                                                                                                                                                                                                                                                                                                                                                                                             |                                          |
| Power Class:                                                                                                                                      | Class 1.5: NR Band n41; NR Band n77; NR Band n78;<br>Class 2: NR Band n38;<br>Class 3: All                                                                                                                                                                                                                                                                                                                                                                                   |                                          |
| Antenna Type:                                                                                                                                     | <input type="checkbox"/> External, <input checked="" type="checkbox"/> Integrated                                                                                                                                                                                                                                                                                                                                                                                            |                                          |
| Antenna Gain:                                                                                                                                     | Band                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Ant (dBi)                                |
|                                                                                                                                                   | NR Band n2                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4.92                                     |
|                                                                                                                                                   | NR Band n5                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1.63                                     |
|                                                                                                                                                   | NR Band n7                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2.4                                      |
|                                                                                                                                                   | NR Band n12                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1.36                                     |
|                                                                                                                                                   | NR Band n13                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2.07                                     |
|                                                                                                                                                   | NR Band n14                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1.76                                     |
|                                                                                                                                                   | NR Band n25                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4.92                                     |
|                                                                                                                                                   | NR Band n26                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1.63                                     |
|                                                                                                                                                   | NR Band n30                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1.33                                     |
|                                                                                                                                                   | NR Band n38(MIMO)                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2.4                                      |
|                                                                                                                                                   | NR Band n41(MIMO)                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2.4                                      |
|                                                                                                                                                   | NR Band n48                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.69                                     |
|                                                                                                                                                   | NR Band n66                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4.94                                     |
|                                                                                                                                                   | NR Band n71                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1.36                                     |
|                                                                                                                                                   | NR Band n77(MIMO)                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1.09                                     |
|                                                                                                                                                   | NR Band n78(MIMO)                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1.09                                     |
| Remark: The above EUT's information was declared by applicant, please refer to the specifications or user's manual for more detailed description. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                          |

## 2 Test Configuration

### 2.1 Test Channel

| 5G NR Band n2 and SCS 15 kHz |              |                        |                      |              |                        |                      |
|------------------------------|--------------|------------------------|----------------------|--------------|------------------------|----------------------|
| Bandwidth                    | TX Frequency |                        |                      | RX Frequency |                        |                      |
|                              | Range        | Carrier centre (ARFCN) | Carrier centre (MHz) | Range        | Carrier centre (ARFCN) | Carrier centre (MHz) |
| 5MHz                         | Low          | 370500                 | 1852.5               | Low          | 386500                 | 1932.5               |
|                              | Middle       | 376000                 | 1880                 | Middle       | 392000                 | 1960                 |
|                              | High         | 381500                 | 1907.5               | High         | 397500                 | 1987.5               |
| 10MHz                        | Low          | 371000                 | 1855                 | Low          | 387000                 | 1935                 |
|                              | Middle       | 376000                 | 1880                 | Middle       | 392000                 | 1960                 |
|                              | High         | 381000                 | 1905                 | High         | 397000                 | 1985                 |
| 15MHz                        | Low          | 371500                 | 1857.5               | Low          | 387500                 | 1937.5               |
|                              | Middle       | 376000                 | 1880                 | Middle       | 392000                 | 1960                 |
|                              | High         | 380500                 | 1902.5               | High         | 396500                 | 1982.5               |
| 20MHz                        | Low          | 372000                 | 1860                 | Low          | 388000                 | 1940                 |
|                              | Middle       | 376000                 | 1880                 | Middle       | 392000                 | 1960                 |
|                              | High         | 380000                 | 1900                 | High         | 396000                 | 1980                 |

| 5G NR Band n5 and SCS 15 kHz |              |                        |                      |              |                        |                      |
|------------------------------|--------------|------------------------|----------------------|--------------|------------------------|----------------------|
| Bandwidth                    | TX Frequency |                        |                      | RX Frequency |                        |                      |
|                              | Range        | Carrier centre (ARFCN) | Carrier centre (MHz) | Range        | Carrier centre (ARFCN) | Carrier centre (MHz) |
| 5MHz                         | Low          | 165300                 | 826.5                | Low          | 174300                 | 871.5                |
|                              | Middle       | 167300                 | 836.5                | Middle       | 176300                 | 881.5                |
|                              | High         | 169300                 | 846.5                | High         | 178300                 | 891.5                |
| 10MHz                        | Low          | 165800                 | 829                  | Low          | 174800                 | 874                  |
|                              | Middle       | 167300                 | 836.5                | Middle       | 176300                 | 881.5                |
|                              | High         | 168800                 | 844                  | High         | 177800                 | 889                  |
| 15MHz                        | Low          | 166300                 | 831.5                | Low          | 175300                 | 876.5                |
|                              | Middle       | 167300                 | 836.5                | Middle       | 176300                 | 881.5                |
|                              | High         | 168300                 | 841.5                | High         | 177300                 | 886.5                |
| 20MHz                        | Low          | 166800                 | 834                  | Low          | 175800                 | 879                  |
|                              | Middle       | 167300                 | 836.5                | Middle       | 176300                 | 881.5                |
|                              | High         | 167800                 | 839                  | High         | 176800                 | 884                  |

| 5G NR Band n7 and SCS 15 kHz |              |                        |                      |              |                        |                      |
|------------------------------|--------------|------------------------|----------------------|--------------|------------------------|----------------------|
| Bandwidth                    | TX Frequency |                        |                      | RX Frequency |                        |                      |
|                              | Range        | Carrier centre (ARFCN) | Carrier centre (MHz) | Range        | Carrier centre (ARFCN) | Carrier centre (MHz) |
| 5MHz                         | Low          | 500500                 | 2502.5               | Low          | 524500                 | 2622.5               |
|                              | Middle       | 507000                 | 2535                 | Middle       | 531000                 | 2655                 |
|                              | High         | 513500                 | 2567.5               | High         | 537500                 | 2687.5               |
| 10MHz                        | Low          | 501000                 | 2505                 | Low          | 525000                 | 2625                 |
|                              | Middle       | 507000                 | 2535                 | Middle       | 531000                 | 2655                 |
|                              | High         | 513000                 | 2565                 | High         | 537000                 | 2685                 |
| 15MHz                        | Low          | 501500                 | 2507.5               | Low          | 525500                 | 2627.5               |
|                              | Middle       | 507000                 | 2535                 | Middle       | 531000                 | 2655                 |
|                              | High         | 512500                 | 2562.5               | High         | 536500                 | 2682.5               |
| 20MHz                        | Low          | 502000                 | 2510                 | Low          | 526000                 | 2630                 |
|                              | Middle       | 507000                 | 2535                 | Middle       | 531000                 | 2655                 |
|                              | High         | 512000                 | 2560                 | High         | 536000                 | 2680                 |
| 25MHz                        | Low          | 502500                 | 2512.5               | Low          | 526500                 | 2632.5               |
|                              | Middle       | 507000                 | 2535                 | Middle       | 531000                 | 2655                 |
|                              | High         | 511500                 | 2557.5               | High         | 535500                 | 2677.5               |
| 30MHz                        | Low          | 503000                 | 2515                 | Low          | 527000                 | 2635                 |
|                              | Middle       | 507000                 | 2535                 | Middle       | 531000                 | 2655                 |
|                              | High         | 511000                 | 2555                 | High         | 535000                 | 2675                 |
| 40MHz                        | Low          | 504000                 | 2520                 | Low          | 528000                 | 2640                 |
|                              | Middle       | 507000                 | 2535                 | Middle       | 531000                 | 2655                 |
|                              | High         | 510000                 | 2550                 | High         | 534000                 | 2670                 |

| 5G NR Band n12 and SCS 15 kHz |              |                        |                      |              |                        |                      |
|-------------------------------|--------------|------------------------|----------------------|--------------|------------------------|----------------------|
| Bandwidth                     | TX Frequency |                        |                      | RX Frequency |                        |                      |
|                               | Range        | Carrier centre (ARFCN) | Carrier centre (MHz) | Range        | Carrier centre (ARFCN) | Carrier centre (MHz) |
| 5MHz                          | Low          | 140300                 | 701.5                | Low          | 146300                 | 731.5                |
|                               | Middle       | 141500                 | 707.5                | Middle       | 147500                 | 737.5                |
|                               | High         | 142700                 | 713.5                | High         | 148700                 | 743.5                |
| 10MHz                         | Low          | 140800                 | 704                  | Low          | 146800                 | 734                  |
|                               | Middle       | 141500                 | 707.5                | Middle       | 147500                 | 737.5                |
|                               | High         | 142200                 | 711                  | High         | 148200                 | 741                  |
| 15MHz                         | Low          | 141300                 | 706.5                | Low          | 147300                 | 736.5                |
|                               | Middle       | 141500                 | 707.5                | Middle       | 147500                 | 737.5                |
|                               | High         | 141700                 | 708.5                | High         | 147700                 | 738.5                |

| 5G NR Band n13 and SCS 15 kHz |              |                        |                      |              |                        |                      |
|-------------------------------|--------------|------------------------|----------------------|--------------|------------------------|----------------------|
| Bandwidth                     | TX Frequency |                        |                      | RX Frequency |                        |                      |
|                               | Range        | Carrier centre (ARFCN) | Carrier centre (MHz) | Range        | Carrier centre (ARFCN) | Carrier centre (MHz) |
| 5MHz                          | Low          | 155900                 | 779.5                | Low          | 149700                 | 748.5                |
|                               | Middle       | 156400                 | 782                  | Middle       | 150200                 | 751                  |
|                               | High         | 156900                 | 784.5                | High         | 150700                 | 753.5                |
| 10MHz                         | Low          | 156400                 | 782                  | Low          | 150200                 | 751                  |
|                               | Middle       |                        |                      | Middle       |                        |                      |
|                               | High         |                        |                      | High         |                        |                      |

| 5G NR Band n14 and SCS 15 kHz |              |                        |                      |              |                        |                      |
|-------------------------------|--------------|------------------------|----------------------|--------------|------------------------|----------------------|
| Bandwidth                     | TX Frequency |                        |                      | RX Frequency |                        |                      |
|                               | Range        | Carrier centre (ARFCN) | Carrier centre (MHz) | Range        | Carrier centre (ARFCN) | Carrier centre (MHz) |
| 5MHz                          | Low          | 158100                 | 790.5                | Low          | 152100                 | 760.5                |
|                               | Middle       | 158600                 | 793                  | Middle       | 152600                 | 763                  |
|                               | High         | 159100                 | 795.5                | High         | 153100                 | 765.5                |
| 10MHz                         | Low          | 158600                 | 793                  | Low          | 152600                 | 763                  |
|                               | Middle       |                        |                      | Middle       |                        |                      |
|                               | High         |                        |                      | High         |                        |                      |

| 5G NR Band n25 and SCS 15 kHz |              |                        |                      |              |                        |                      |
|-------------------------------|--------------|------------------------|----------------------|--------------|------------------------|----------------------|
| Bandwidth                     | TX Frequency |                        |                      | RX Frequency |                        |                      |
|                               | Range        | Carrier centre (ARFCN) | Carrier centre (MHz) | Range        | Carrier centre (ARFCN) | Carrier centre (MHz) |
| 5MHz                          | Low          | 370500                 | 1852.5               | Low          | 386500                 | 1932.5               |
|                               | Middle       | 376500                 | 1882.5               | Middle       | 392500                 | 1962.5               |
|                               | High         | 382500                 | 1912.5               | High         | 398500                 | 1992.5               |
| 10MHz                         | Low          | 371000                 | 1855                 | Low          | 387000                 | 1935                 |
|                               | Middle       | 376500                 | 1882.5               | Middle       | 392500                 | 1962.5               |
|                               | High         | 382000                 | 1910                 | High         | 398000                 | 1990                 |
| 15MHz                         | Low          | 371500                 | 1857.5               | Low          | 387500                 | 1937.5               |
|                               | Middle       | 376500                 | 1882.5               | Middle       | 392500                 | 1962.5               |
|                               | High         | 381500                 | 1907.5               | High         | 397500                 | 1987.5               |
| 20MHz                         | Low          | 372000                 | 1860                 | Low          | 388000                 | 1940                 |
|                               | Middle       | 376500                 | 1882.5               | Middle       | 392500                 | 1962.5               |
|                               | High         | 381000                 | 1905                 | High         | 397000                 | 1985                 |
| 25MHz                         | Low          | 372500                 | 1862.5               | Low          | 388500                 | 1942.5               |
|                               | Middle       | 376500                 | 1882.5               | Middle       | 392500                 | 1962.5               |
|                               | High         | 380500                 | 1902.5               | High         | 396500                 | 1982.5               |
| 30MHz                         | Low          | 373000                 | 1865                 | Low          | 389000                 | 1945                 |
|                               | Middle       | 376500                 | 1882.5               | Middle       | 392500                 | 1962.5               |
|                               | High         | 380000                 | 1900                 | High         | 396000                 | 1980                 |
| 40MHz                         | Low          | 374000                 | 1870                 | Low          | 390000                 | 1950                 |
|                               | Middle       | 376500                 | 1882.5               | Middle       | 392500                 | 1962.5               |
|                               | High         | 379000                 | 1895                 | High         | 395000                 | 1975                 |

| 5G NR Band n26(814~824MHz) and SCS 15 kHz |              |                        |                      |              |                        |                      |
|-------------------------------------------|--------------|------------------------|----------------------|--------------|------------------------|----------------------|
| Bandwidth                                 | TX Frequency |                        |                      | RX Frequency |                        |                      |
|                                           | Range        | Carrier centre (ARFCN) | Carrier centre (MHz) | Range        | Carrier centre (ARFCN) | Carrier centre (MHz) |
| 5MHz                                      | Low          | 163300                 | 816.5                | Low          | 172300                 | 861.5                |
|                                           | Middle       | 163800                 | 819                  | Middle       | 172800                 | 864                  |
|                                           | High         | 164300                 | 821.5                | High         | 173300                 | 866.5                |
| 10MHz                                     | Low          | 163800                 | 819                  | Low          | 172800                 | 864                  |
|                                           | Middle       |                        |                      | Middle       |                        |                      |
|                                           | High         |                        |                      | High         |                        |                      |

| 5G NR Band n26(824~849MHz) and SCS 15 kHz |              |                        |                      |              |                        |                      |
|-------------------------------------------|--------------|------------------------|----------------------|--------------|------------------------|----------------------|
| Bandwidth                                 | TX Frequency |                        |                      | RX Frequency |                        |                      |
|                                           | Range        | Carrier centre (ARFCN) | Carrier centre (MHz) | Range        | Carrier centre (ARFCN) | Carrier centre (MHz) |
| 5MHz                                      | Low          | 165300                 | 826.5                | Low          | 174300                 | 871.5                |
|                                           | Middle       | 167300                 | 836.5                | Middle       | 176300                 | 881.5                |
|                                           | High         | 169300                 | 846.5                | High         | 178300                 | 891.5                |
| 10MHz                                     | Low          | 165800                 | 829                  | Low          | 174800                 | 874                  |
|                                           | Middle       | 167300                 | 836.5                | Middle       | 176300                 | 881.5                |
|                                           | High         | 168800                 | 844                  | High         | 177800                 | 889                  |
| 15MHz                                     | Low          | 166300                 | 831.5                | Low          | 175300                 | 876.5                |
|                                           | Middle       | 167300                 | 836.5                | Middle       | 176300                 | 881.5                |
|                                           | High         | 168300                 | 841.5                | High         | 177300                 | 886.5                |
| 20MHz                                     | Low          | 166800                 | 834                  | Low          | 175800                 | 879                  |
|                                           | Middle       | 167300                 | 836.5                | Middle       | 176300                 | 881.5                |
|                                           | High         | 167800                 | 839                  | High         | 176800                 | 884                  |

| 5G NR Band n30 and SCS 15 kHz |              |                        |                      |              |                        |                      |
|-------------------------------|--------------|------------------------|----------------------|--------------|------------------------|----------------------|
| Bandwidth                     | TX Frequency |                        |                      | RX Frequency |                        |                      |
|                               | Range        | Carrier centre (ARFCN) | Carrier centre (MHz) | Range        | Carrier centre (ARFCN) | Carrier centre (MHz) |
| 5MHz                          | Low          | 461500                 | 2307.5               | Low          | 470500                 | 2352.5               |
|                               | Middle       | 462000                 | 2310                 | Middle       | 471000                 | 2355                 |
|                               | High         | 462500                 | 2312.5               | High         | 471500                 | 2357.5               |
| 10MHz                         | Low          | 462000                 | 2310                 | Low          | 471000                 | 2355                 |
|                               | Middle       | 462000                 | 2310                 | Middle       | 471000                 | 2355                 |
|                               | High         | 462000                 | 2310                 | High         | 471000                 | 2355                 |

| 5G NR Band n38, SCS 30 kHz and $\Delta F_{\text{Raster}}$ 30 kHz |                   |                        |                      |
|------------------------------------------------------------------|-------------------|------------------------|----------------------|
| Bandwidth                                                        | TX & RX Frequency |                        |                      |
|                                                                  | Range             | Carrier centre (ARFCN) | Carrier centre (MHz) |
| 10MHz                                                            | Low               | 515000                 | 2575                 |
|                                                                  | Middle            | 519000                 | 2595                 |
|                                                                  | High              | 523000                 | 2615                 |
| 15MHz                                                            | Low               | 515500                 | 2577.5               |
|                                                                  | Middle            | 519000                 | 2595                 |
|                                                                  | High              | 522500                 | 2612.5               |
| 20MHz                                                            | Low               | 516000                 | 2580                 |
|                                                                  | Middle            | 519000                 | 2595                 |
|                                                                  | High              | 522000                 | 2610                 |
| 30MHz                                                            | Low               | 517000                 | 2585                 |
|                                                                  | Middle            | 519000                 | 2595                 |
|                                                                  | High              | 521000                 | 2605                 |
| 40MHz                                                            | Low               | 518000                 | 2590                 |
|                                                                  | Middle            | 519000                 | 2595                 |
|                                                                  | High              | 520000                 | 2600                 |

| 5G NR Band n41, SCS 30 kHz and $\Delta F_{\text{Raster}}$ 30 kHz |                   |                        |                      |
|------------------------------------------------------------------|-------------------|------------------------|----------------------|
| Bandwidth                                                        | TX & RX Frequency |                        |                      |
|                                                                  | Range             | Carrier centre (ARFCN) | Carrier centre (MHz) |
| 10MHz                                                            | Low               | 500202                 | 2501.01              |
|                                                                  | Middle            | 518598                 | 2592.99              |
|                                                                  | High              | 537000                 | 2685                 |
| 15MHz                                                            | Low               | 500700                 | 2503.5               |
|                                                                  | Middle            | 518598                 | 2592.99              |
|                                                                  | High              | 536496                 | 2682.48              |
| 20MHz                                                            | Low               | 501204                 | 2506.02              |
|                                                                  | Middle            | 518598                 | 2592.99              |
|                                                                  | High              | 535998                 | 2679.99              |
| 30MHz                                                            | Low               | 502200                 | 2511                 |
|                                                                  | Middle            | 518598                 | 2592.99              |
|                                                                  | High              | 534996                 | 2674.98              |
| 40MHz                                                            | Low               | 503202                 | 2516.01              |
|                                                                  | Middle            | 518598                 | 2592.99              |
|                                                                  | High              | 534000                 | 2670                 |
| 50MHz                                                            | Low               | 504204                 | 2521.02              |
|                                                                  | Middle            | 518598                 | 2592.99              |
|                                                                  | High              | 532998                 | 2664.99              |
| 60MHz                                                            | Low               | 505200                 | 2526                 |
|                                                                  | Middle            | 518598                 | 2592.99              |
|                                                                  | High              | 531996                 | 2659.98              |
| 70MHz                                                            | Low               | 506200                 | 2531                 |
|                                                                  | Middle            | 518598                 | 2592.29              |
|                                                                  | High              | 531000                 | 2655                 |
| 80MHz                                                            | Low               | 507204                 | 2536.02              |
|                                                                  | Middle            | 518598                 | 2592.99              |
|                                                                  | High              | 529998                 | 2649.99              |
| 90MHz                                                            | Low               | 508200                 | 2541                 |
|                                                                  | Middle            | 518598                 | 2592.99              |
|                                                                  | High              | 528996                 | 2644.98              |
| 100MHz                                                           | Low               | 509202                 | 2546.01              |
|                                                                  | Middle            | 518598                 | 2592.99              |
|                                                                  | High              | 528000                 | 2640                 |

| 5G NR Band n48, SCS 30 kHz and $\Delta F_{\text{Raster}}$ 30 kHz |                   |                        |                      |
|------------------------------------------------------------------|-------------------|------------------------|----------------------|
| Bandwidth                                                        | TX & RX Frequency |                        |                      |
|                                                                  | Range             | Carrier centre (ARFCN) | Carrier centre (MHz) |
| 10MHz                                                            | Low               | 637000                 | 3555                 |
|                                                                  | Middle            | 641666                 | 3624.99              |
|                                                                  | High              | 646332                 | 3694.98              |
| 15MHz                                                            | Low               | 637168                 | 3557.52              |
|                                                                  | Middle            | 641666                 | 3624.99              |
|                                                                  | High              | 646166                 | 3692.49              |
| 20MHz                                                            | Low               | 637334                 | 3560.01              |
|                                                                  | Middle            | 641666                 | 3624.99              |
|                                                                  | High              | 646000                 | 3690                 |
| 30MHz                                                            | Low               | 637668                 | 3565.02              |
|                                                                  | Middle            | 641666                 | 3624.99              |
|                                                                  | High              | 645666                 | 3684.99              |
| 40MHz                                                            | Low               | 638000                 | 3570                 |
|                                                                  | Middle            | 641666                 | 3624.99              |
|                                                                  | High              | 645332                 | 3679.98              |

| 5G NR Band n66, SCS 15 kHz |              |                        |                      |              |                        |                      |
|----------------------------|--------------|------------------------|----------------------|--------------|------------------------|----------------------|
| Bandwidth                  | TX Frequency |                        |                      | RX Frequency |                        |                      |
|                            | Range        | Carrier centre (ARFCN) | Carrier centre (MHz) | Range        | Carrier centre (ARFCN) | Carrier centre (MHz) |
| 5MHz                       | Low          | 435500                 | 1712.5               | Low          | 422500                 | 2112.5               |
|                            | Middle       | 342500                 | 1745                 | Middle       | 431000                 | 2155                 |
|                            | High         | 349000                 | 1777.5               | High         | 439500                 | 2197.5               |
| 10MHz                      | Low          | 343000                 | 1715                 | Low          | 423000                 | 2115                 |
|                            | Middle       | 349000                 | 1745                 | Middle       | 431000                 | 2155                 |
|                            | High         | 355000                 | 1775                 | High         | 439000                 | 2195                 |
| 15MHz                      | Low          | 343500                 | 1717.5               | Low          | 423500                 | 2117.5               |
|                            | Middle       | 349000                 | 1745                 | Middle       | 431000                 | 2155                 |
|                            | High         | 354500                 | 1772.5               | High         | 438500                 | 2192.5               |
| 20MHz                      | Low          | 344000                 | 1720                 | Low          | 424000                 | 2120                 |
|                            | Middle       | 349000                 | 1745                 | Middle       | 431000                 | 2155                 |
|                            | High         | 354000                 | 1770                 | High         | 438000                 | 2190                 |
| 25MHz                      | Low          | 344500                 | 1722.5               | Low          | 424500                 | 2122.5               |
|                            | Middle       | 349000                 | 1745                 | Middle       | 431000                 | 2155                 |
|                            | High         | 353500                 | 1767.5               | High         | 437500                 | 2187.5               |
| 30MHz                      | Low          | 345000                 | 1725                 | Low          | 425000                 | 2125                 |
|                            | Middle       | 349000                 | 1745                 | Middle       | 431000                 | 2155                 |
|                            | High         | 353000                 | 1765                 | High         | 437000                 | 2185                 |
| 35MHz                      | Low          | 345500                 | 1727.5               | Low          | 425500                 | 2127.5               |
|                            | Middle       | 349000                 | 1745                 | Middle       | 431000                 | 2155                 |
|                            | High         | 352500                 | 1762.5               | High         | 436500                 | 2182.5               |
| 40MHz                      | Low          | 346000                 | 1730                 | Low          | 426000                 | 2130                 |
|                            | Middle       | 349000                 | 1745                 | Middle       | 431000                 | 2155                 |
|                            | High         | 352000                 | 1760                 | High         | 436000                 | 2180                 |

| 5G NR Band n71, SCS 15 kHz |              |                        |                      |              |                        |                      |
|----------------------------|--------------|------------------------|----------------------|--------------|------------------------|----------------------|
| Bandwidth                  | TX Frequency |                        |                      | RX Frequency |                        |                      |
|                            | Range        | Carrier centre (ARFCN) | Carrier centre (MHz) | Range        | Carrier centre (ARFCN) | Carrier centre (MHz) |
| 5MHz                       | Low          | 133100                 | 665.5                | Low          | 123900                 | 619.5                |
|                            | Middle       | 136100                 | 680.5                | Middle       | 126900                 | 634.5                |
|                            | High         | 139100                 | 695.5                | High         | 129900                 | 649.5                |
| 10MHz                      | Low          | 133600                 | 668                  | Low          | 124400                 | 622                  |
|                            | Middle       | 136100                 | 680.5                | Middle       | 126900                 | 634.5                |
|                            | High         | 138600                 | 693                  | High         | 129400                 | 647                  |
| 15MHz                      | Low          | 134100                 | 670.5                | Low          | 124900                 | 624.5                |
|                            | Middle       | 136100                 | 680.5                | Middle       | 126900                 | 634.5                |
|                            | High         | 138100                 | 690.5                | High         | 128900                 | 644.5                |
| 20MHz                      | Low          | 134600                 | 673                  | Low          | 125400                 | 627                  |
|                            | Middle       | 136100                 | 680.5                | Middle       | 126900                 | 634.5                |
|                            | High         | 137600                 | 688                  | High         | 128400                 | 642                  |

| 5G NR Band n77/n78(3450~3550MHz), SCS 30 kHz and $\Delta F_{\text{Raster}}$ 30 kHz |                   |                        |                      |
|------------------------------------------------------------------------------------|-------------------|------------------------|----------------------|
| Bandwidth                                                                          | TX & RX Frequency |                        |                      |
|                                                                                    | Range             | Carrier centre (ARFCN) | Carrier centre (MHz) |
| 10MHz                                                                              | Low               | 630334                 | 3455.01              |
|                                                                                    | Middle            | 633334                 | 3500.01              |
|                                                                                    | High              | 636334                 | 3545.01              |
| 15MHz                                                                              | Low               | 630500                 | 3457.5               |
|                                                                                    | Middle            | 633334                 | 3500.01              |
|                                                                                    | High              | 636166                 | 3542.49              |
| 20MHz                                                                              | Low               | 630668                 | 3460.02              |
|                                                                                    | Middle            | 633334                 | 3500.01              |
|                                                                                    | High              | 636000                 | 3540                 |
| 25MHz                                                                              | Low               | 630835                 | 3462.52              |
|                                                                                    | Middle            | 633334                 | 3500.01              |
|                                                                                    | High              | 635833                 | 3537.50              |
| 30MHz                                                                              | Low               | 631000                 | 3465                 |
|                                                                                    | Middle            | 633334                 | 3500.01              |
|                                                                                    | High              | 635666                 | 3534.99              |
| 40MHz                                                                              | Low               | 631334                 | 3470.01              |
|                                                                                    | Middle            | 633334                 | 3500.01              |
|                                                                                    | High              | 635334                 | 3530.01              |
| 50MHz                                                                              | Low               | 631668                 | 3475.02              |
|                                                                                    | Middle            | 633334                 | 3500.01              |
|                                                                                    | High              | 635000                 | 3525                 |
| 60MHz                                                                              | Low               | 632000                 | 3480                 |
|                                                                                    | Middle            | 633334                 | 3500.01              |
|                                                                                    | High              | 634666                 | 3519.99              |
| 70MHz                                                                              | Low               | 632334                 | 3485.01              |
|                                                                                    | Middle            | 633334                 | 3500.01              |
|                                                                                    | High              | 634334                 | 3515.01              |
| 80MHz                                                                              | Low               | 632668                 | 3490.02              |
|                                                                                    | Middle            | 633334                 | 3500.01              |
|                                                                                    | High              | 634000                 | 3510                 |
| 90MHz                                                                              | Low               | 633000                 | 3495                 |
|                                                                                    | Middle            | 633334                 | 3500.01              |
|                                                                                    | High              | 633666                 | 3504.99              |
| 100MHz                                                                             | Low               | 633334                 | 3500.01              |
|                                                                                    | Middle            |                        |                      |
|                                                                                    | High              |                        |                      |

| 5G NR Band n77(3700~3980MHz), SCS 30 kHz and $\Delta F_{\text{Raster}}$ 30 kHz |                   |                        |                      |
|--------------------------------------------------------------------------------|-------------------|------------------------|----------------------|
| Bandwidth                                                                      | TX & RX Frequency |                        |                      |
|                                                                                | Range             | Carrier centre (ARFCN) | Carrier centre (MHz) |
| 10MHz                                                                          | Low               | 647000                 | 3705                 |
|                                                                                | Middle            | 656000                 | 3840                 |
|                                                                                | High              | 665000                 | 3975                 |
| 15MHz                                                                          | Low               | 647168                 | 3707.52              |
|                                                                                | Middle            | 656000                 | 3840                 |
|                                                                                | High              | 664832                 | 3972.48              |
| 20MHz                                                                          | Low               | 647334                 | 3710.01              |
|                                                                                | Middle            | 656000                 | 3840                 |
|                                                                                | High              | 664666                 | 3969.99              |
| 25MHz                                                                          | Low               | 647501                 | 3712.515             |
|                                                                                | Middle            | 656000                 | 3840                 |
|                                                                                | High              | 664499                 | 3967.485             |
| 30MHz                                                                          | Low               | 647666                 | 3714.99              |
|                                                                                | Middle            | 656000                 | 3840                 |
|                                                                                | High              | 664334                 | 3965.01              |
| 40MHz                                                                          | Low               | 648000                 | 3720                 |
|                                                                                | Middle            | 656000                 | 3840                 |
|                                                                                | High              | 664000                 | 3960                 |
| 50MHz                                                                          | Low               | 648334                 | 3725.01              |
|                                                                                | Middle            | 656000                 | 3840                 |
|                                                                                | High              | 663666                 | 3954.99              |
| 60MHz                                                                          | Low               | 648668                 | 3730.02              |
|                                                                                | Middle            | 656000                 | 3840                 |
|                                                                                | High              | 663332                 | 3949.98              |
| 70MHz                                                                          | Low               | 649000                 | 3735                 |
|                                                                                | Middle            | 656000                 | 3840                 |
|                                                                                | High              | 663000                 | 3945                 |
| 80MHz                                                                          | Low               | 649334                 | 3740.01              |
|                                                                                | Middle            | 656000                 | 3840                 |
|                                                                                | High              | 662666                 | 3939.99              |
| 90MHz                                                                          | Low               | 649668                 | 3745.02              |
|                                                                                | Middle            | 656000                 | 3840                 |
|                                                                                | High              | 662332                 | 3934.98              |
| 100MHz                                                                         | Low               | 650000                 | 3750                 |
|                                                                                | Middle            | 656000                 | 3840                 |
|                                                                                | High              | 662000                 | 3930                 |

| 5G NR Band n78(3700~3800MHz), SCS 30 kHz and $\Delta F_{\text{Raster}}$ 30 kHz |                   |                        |                      |
|--------------------------------------------------------------------------------|-------------------|------------------------|----------------------|
| Bandwidth                                                                      | TX & RX Frequency |                        |                      |
|                                                                                | Range             | Carrier centre (ARFCN) | Carrier centre (MHz) |
| 10MHz                                                                          | Low               | 647000                 | 3705                 |
|                                                                                | Middle            | 650000                 | 3750                 |
|                                                                                | High              | 653000                 | 3795                 |
| 15MHz                                                                          | Low               | 647168                 | 3707.52              |
|                                                                                | Middle            | 650000                 | 3750                 |
|                                                                                | High              | 652832                 | 3792.48              |
| 20MHz                                                                          | Low               | 647334                 | 3710.01              |
|                                                                                | Middle            | 650000                 | 3750                 |
|                                                                                | High              | 652666                 | 3789.99              |
| 25MHz                                                                          | Low               | 647500                 | 3712.5               |
|                                                                                | Middle            | 650000                 | 3750                 |
|                                                                                | High              | 652500                 | 3787.5               |
| 30MHz                                                                          | Low               | 647668                 | 3715.02              |
|                                                                                | Middle            | 650000                 | 3750                 |
|                                                                                | High              | 652334                 | 3785.01              |
| 40MHz                                                                          | Low               | 648000                 | 3720                 |
|                                                                                | Middle            | 650000                 | 3750                 |
|                                                                                | High              | 652000                 | 3780                 |
| 50MHz                                                                          | Low               | 648334                 | 3725.01              |
|                                                                                | Middle            | 650000                 | 3750                 |
|                                                                                | High              | 651666                 | 3774.99              |
| 70MHz                                                                          | Low               | 649000                 | 3735                 |
|                                                                                | Middle            | 650000                 | 3750                 |
|                                                                                | High              | 651000                 | 3765                 |
| 60MHz                                                                          | Low               | 648668                 | 3730.02              |
|                                                                                | Middle            | 650000                 | 3750                 |
|                                                                                | High              | 651332                 | 3769.98              |
| 80MHz                                                                          | Low               | 649334                 | 3740.01              |
|                                                                                | Middle            | 650000                 | 3750                 |
|                                                                                | High              | 650666                 | 3759.99              |
| 90MHz                                                                          | Low               | 649668                 | 3745.02              |
|                                                                                | Middle            | 650000                 | 3750                 |
|                                                                                | High              | 650332                 | 3754.98              |
| 100MHz                                                                         | Low               | 650000                 | 3750                 |
|                                                                                | Middle            |                        |                      |
|                                                                                | High              |                        |                      |

## 2.2 Worst-case configuration and Mode

| Test Mode | Description                                                           |
|-----------|-----------------------------------------------------------------------|
| TM 1      | EUT communication with simulated station in DFT-s-OFDM Pi/2-BPSK mode |
| TM 2      | EUT communication with simulated station in DFT-s-OFDM QPSK mode      |
| TM 3      | EUT communication with simulated station in DFT-s-OFDM 16QAM mode     |
| TM 4      | EUT communication with simulated station in DFT-s-OFDM 64QAM mode     |
| TM 5      | EUT communication with simulated station in DFT-s-OFDM 256QAM mode    |
| TM 6      | EUT communication with simulated station in CP QPSK mode              |
| TM 7      | EUT communication with simulated station in CP 16QAM mode             |
| TM 8      | EUT communication with simulated station in CP 64QAM mode             |
| TM 9      | EUT communication with simulated station in CP 256QAM mode            |

## 2.3 Support Unit used in test

The EUT has been tested as an independent unit.

## 2.4 Test Environment

|                   |                      |
|-------------------|----------------------|
| Temperature:      | Normal: 15°C ~ 35°C  |
| Relative Humidity | 45 ~ 56 % RH Ambient |
| Voltage:          | AC110V               |

## 2.5 Test RF Cable

**For all conducted test items:** The offset level is set spectrum analyzer to compensate the RF cable loss and attenuator factor between RF conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level will be exactly the RF output level.

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

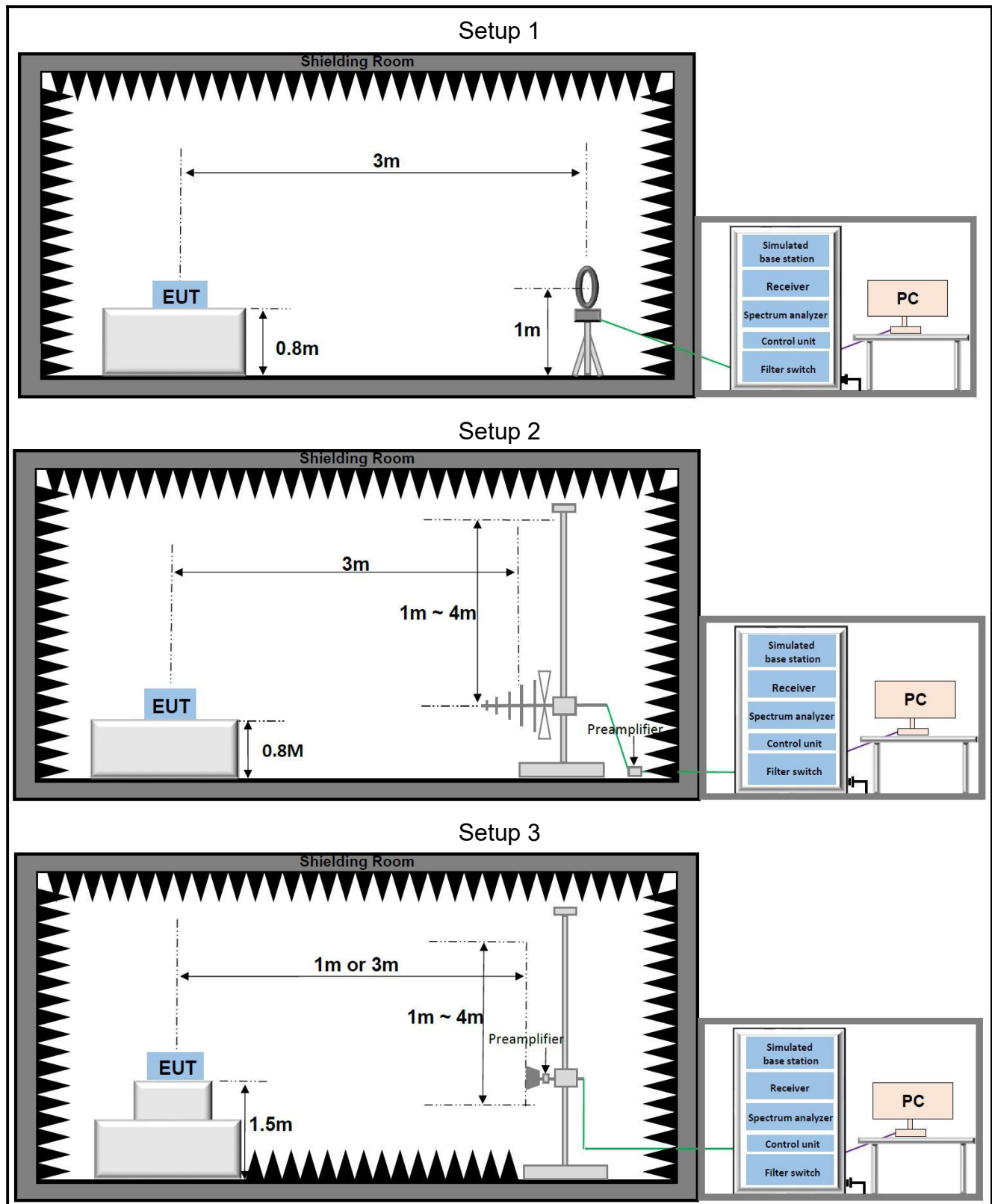
Offset = RF cable loss + attenuator factor.

## 2.6 Modifications

No modifications were made during testing.

## 2.7 Test Setup Diagram

### 2.7.1 Radiated Configuration



### 3 Equipment and Measurement Uncertainty

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, whichever is less, and where applicable is traceable recognized national standards.

#### 3.1 Test Equipment List

| Radiated Emission                     |              |             |                |            |            |
|---------------------------------------|--------------|-------------|----------------|------------|------------|
| Description                           | Manufacturer | Model       | S.N.           | Last Due   | Cal Due    |
| Biconic Logarithmic Periodic Antennas | Schwarzbeck  | VULB9163    | 1643           | 2023/06/25 | 2026/06/24 |
| Double-Ridged Horn Antennas           | Schwarzbeck  | BBHA 9120D  | 2809           | 2023/06/25 | 2026/06/24 |
| Broad-Band Horn Antenna               | Schwarzbeck  | BBHA 9170   | 1290           | 2023/06/25 | 2026/06/24 |
| Loop Antenna                          | Schwarzbeck  | FMZB 1519C  | 1519C-028      | 2023/06/29 | 2026/06/28 |
| Signal Analyzer                       | Keysight     | N9020A      | MY49100252     | 2025/03/11 | 2026/03/10 |
| EXA Signal Analyzer, Multi-touch      | Keysight     | N9010B      | MY63440541     | 2025/05/29 | 2026/05/28 |
| Wideband Radio Communication Tester   | R&S          | CMW500      | 150645         | 2025/03/11 | 2026/03/10 |
| Low Noise Amplifier                   | Tonscend     | TAP9K3G40   | AP23A8060273   | 2025/03/11 | 2027/03/10 |
| Low Noise Amplifier                   | Tonscend     | TAP01018050 | AP22G806258    | 2025/03/11 | 2027/03/10 |
| Low Noise Amplifier                   | Tonscend     | TAP18040048 | AP22G806247    | 2025/03/11 | 2027/03/10 |
| Hygrometer                            | BINGYU       | HTC-1       | N/A            | 2025/07/25 | 2026/07/24 |
| Test Software                         | Tonscend     | TS+         | Version: 5.0.0 | N/A        | N/A        |

#### 3.2 Measurement Uncertainty

| Parameter                         | U <sub>lab</sub> |
|-----------------------------------|------------------|
| Radiated Emissions(9kHz~30MHz)    | 2.40dB           |
| Radiated Emissions(30MHz~1000MHz) | 4.66dB           |
| Radiated Emissions(1GHz~18GHz)    | 5.42dB           |
| Radiated Emissions(18GHz~40GHz)   | 5.46dB           |

Uncertainty figures are valid to a confidence level of 95%

## 4 Test Results

### 4.1 Field Strength of Spurious Radiation

#### Limits

| Band                                                                                                                                                              | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NR Band n5/ NR Band n26 (824~849 MHz)<br>NR Band n2/ NR Band n25<br>NR Band n12/71<br>NR Band n66<br>NR Band n77/78(3450-3550MHz)<br>NR Band n77/78(3700-3980MHz) | The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| NR Band n13                                                                                                                                                       | On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;<br>For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to $-70$ dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and $-80$ dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.                                                                                                                                                                                                                                                                                                                                                                                                         |
| NR Band n14                                                                                                                                                       | least $43 + 10 \log(P)$ dB.<br>For operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in the band 1559-1610 MHz shall be limited to $-70$ dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| NR Band n7/ NR Band n38/ NR Band n41                                                                                                                              | All frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| NR Band n26(814~824 MHz)                                                                                                                                          | The power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log(P)$ decibels or 80 decibels, whichever is the lesser attenuation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| NR Band n30                                                                                                                                                       | By a factor of not less than: $43 + 10 \log(P)$ dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than $55 + 10 \log(P)$ dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than $61 + 10 \log(P)$ dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than $67 + 10 \log(P)$ dB on all frequencies between 2328 and 2337 MHz;<br>By a factor of not less than $43 + 10 \log(P)$ dB on all frequencies between 2300 and 2305 MHz, $55 + 10 \log(P)$ dB on all frequencies between 2296 and 2300 MHz, $61 + 10 \log(P)$ dB on all frequencies between 2292 and 2296 MHz, $67 + 10 \log(P)$ dB on all frequencies between 2288 and 2292 MHz, and $70 + 10 \log(P)$ dB below 2288 MHz;<br>By a factor of not less than $43 + 10 \log(P)$ dB on all frequencies between 2360 and 2365 MHz, and not less than $70 + 10 \log(P)$ dB above 2365 MHz. |
| NR Band n48                                                                                                                                                       | for channel and frequency assignments made by the SAS to CBSDs, the conducted power of any emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed $-13$ dBm/MHz within 0-10 megahertz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

| Band | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | <p>above the upper SAS-assigned channel edge and within 0-10 megahertz below the lower SAS-assigned channel edge. At all frequencies greater than 10 megahertz above the upper SAS assigned channel edge and less than 10 MHz below the lower SAS assigned channel edge, the conducted power of any emission shall not exceed -25 dBm/MHz.</p> <p>(2) Additional protection levels. Notwithstanding paragraph (d)(1) of this section, the conducted power of any emissions below 3530 MHz or above 3720 MHz shall not exceed -40dBm/MHz.</p> |

## Test Procedure

FCC KDB 971168 D01 V03r01 Section 7

## Test Settings

- For radiated emissions measurements performed at frequencies less than or equal to 1GHz, the EUT shall be placed on a RF-transparent table or support at a nominal height of 80cm above the reference ground plane.
- For radiated emissions measurements performed at frequencies above 1GHz, the EUT shall be placed on a RF-transparent table or support at a nominal height of 80cm above the ground plane.
- Radiated measurements shall be made with the measurement antenna positioned in both horizontal and vertical polarization. The measurement antenna shall be varied from 1m to 4m in height above the reference ground in a search for the relative positioning that produces the maximum radiated signal level (i.e, field strength or received power), when orienting the measurement antenna in vertical polarization, the minimum height of the lowest element of the antenna shall clear the site reference ground plane by at least 25cm.
- For each suspected emission, the EUT was ranged its worst case and then tune the antenna tower(from 1~4m) and turntable(from 0~360°) find the maximum reading. Preamplifier and a high pass filter are used for the test in order get better signal level comply with the guidelines.
- The simulated base station was set to force the EUT to its maximum transmitting power.
- spectrum analyzer setting:  
Measurements 9kHz~150kHz: RBW = 300Hz; VBW ≥ 3 kHz; Detector = RMS  
Measurements 150kHz~30MHz: RBW = 10kHz; VBW ≥ 30 kHz; Detector = RMS  
Measurements 30MHz~1000MHz: RBW = 100kHz or 1MHz; VBW ≥ 1MHz or 3MHz; Detector = RMS  
Measurements Above 1000MHz: RBW = 1 MHz; VBW ≥ 3 MHz; Detector = RMS
- The field strength is calculated by adding the Antenna Factor, Cable Factor. The basic equation with a sample calculation is as follows:  

$$E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dB}\mu\text{V)} + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}.$$

$$E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}.$$

$$E(\text{dB}\mu\text{V/m}) = \text{EIRP(dBm)} - 20\log(D) + 104.8; \text{ where D is the measurement distance(in the far field region) in m.}$$

$$\text{EIRP(dBm)} = E(\text{dB}\mu\text{V/m}) + 20\log(D) - 104.8; \text{ where D is the measurement distance(in the far field region) in m.}$$

*So, from d: The measuring distance is usually at 3m, then  $20 \cdot \log(3) = 9.5424$*   
*Then,  $\text{EIRP (dBm)} = E (\text{dB}\mu\text{V/m}) + 9.5424 - 104.8 = E (\text{dB}\mu\text{V/m}) - 95.2576$*
- Repeat above procedures until all frequencies measured was complete.
- Measure and record the results in the test report.

## Test notes

- The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst-case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- Emissions below 18GHz were measured at a 3-meter test distance while emissions above 18GHz were measured at a 1-meter test distance with the application of a distance correction factor.
- Radiated spurious emissions were investigated from 9kHz to 30MHz, 30MHz-1GHz and above 1GHz. the disturbance between 9kHz to 30MHz, 30MHz-1GHz and 18GHz to 40GHz was very low. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be recorded, so only the harmonics had been displayed.
- The "-" shown in the following RSE tables are used to denote a noise floor measurement.

### **Test Setup**

Refer to section 2.7.1 for details.

### **Measuring Instruments**

The measuring equipment is listed in the section 3.1 of this test report.

### **Test Result**

The detailed test data see: **Appendix**.

## 5 Test Setup Photos

The detailed test data see: **Appendix A - WWAN Setup Photos**

# Appendix

## Maximum Power

| Frequency Band                   | Frequency Range (MHz) |        | Emission Designator | Conducted Power dBm | Conducted Power (W) | Gain dBi | EIRP/ERP |        | Limit dBm |
|----------------------------------|-----------------------|--------|---------------------|---------------------|---------------------|----------|----------|--------|-----------|
|                                  | Low                   | High   |                     |                     |                     |          | dBm      | W      |           |
| 5G NR Band n41                   | 2546                  | 2640   | 97M3G7D             | 29.7                | 0.9333              | 2.4      | 32.10    | 1.6218 | 33.01     |
| 5G NR Band n41                   | 2516                  | 2670   | 38M0W7D             | 28.76               | 0.7516              | 2.4      | 31.16    | 1.3062 | 33.01     |
| 5G NR Band n41                   | 2546                  | 2640   | 97M3W7D             | 28.52               | 0.7112              | 2.4      | 30.92    | 1.2359 | 33.01     |
| 5G NR Band n77/78 (3450~3550MHz) | 3470                  | 3530   | 37M8G7D             | 28.74               | 0.7482              | 1.09     | 29.83    | 0.9616 | 30.00     |
| 5G NR Band n77/78 (3450~3550MHz) | 3500                  | 3500   | 97M3G7D             | 28.3                | 0.6761              | 1.09     | 29.39    | 0.9311 | 30.00     |
| 5G NR Band n77/78 (3450~3550MHz) | 3470                  | 3530   | 37M9W7D             | 27.76               | 0.5970              | 1.09     | 28.85    | 0.8222 | 30.00     |
| 5G NR Band n77/78 (3450~3550MHz) | 3500                  | 3500   | 97M4W7D             | 27.24               | 0.5297              | 1.09     | 28.33    | 0.7295 | 30.00     |
| 5G NR Band n77/78 (3700~3980MHz) | 3712.5                | 3967.5 | 23M2G7D             | 28.89               | 0.7745              | 1.09     | 29.98    | 0.9954 | 30.00     |
| 5G NR Band n77/78 (3700~3980MHz) | 3750                  | 3930   | 97M3G7D             | 28.4                | 0.6918              | 1.09     | 29.49    | 0.9528 | 30.00     |
| 5G NR Band n77/78 (3700~3980MHz) | 3712.5                | 3967.5 | 23M2W7D             | 27.85               | 0.6095              | 1.09     | 28.94    | 0.8395 | 30.00     |
| 5G NR Band n77/78 (3700~3980MHz) | 3750                  | 3930   | 97M4W7D             | 27.4                | 0.5495              | 1.09     | 28.49    | 0.7568 | 30.00     |
| 5G NR Band n2                    | 1852.5                | 1907.5 | 4M48G7D             | 24.03               | 0.2529              | 4.92     | 28.95    | 0.7852 | 33.01     |
| 5G NR Band n2                    | 1860                  | 1900   | 17M9G7D             | 23.99               | 0.2506              | 4.92     | 28.91    | 0.7780 | 33.01     |
| 5G NR Band n2                    | 1860                  | 1900   | 17M9W7D             | 23.64               | 0.2312              | 4.92     | 28.56    | 0.7178 | 33.01     |
| 5G NR Band n5/26                 | 831.5                 | 841.5  | 13M4G7D             | 23.82               | 0.2410              | 1.63     | 23.30    | 0.3508 | 38.45     |
| 5G NR Band n5/26                 | 834                   | 839    | 17M8G7D             | 23.78               | 0.2388              | 1.63     | 23.26    | 0.3475 | 38.45     |
| 5G NR Band n5/26                 | 834                   | 839    | 17M8W7D             | 23.91               | 0.2460              | 1.63     | 23.39    | 0.3581 | 38.45     |
| 5G NR Band n7                    | 2512.5                | 2557.5 | 22M9G7D             | 24.69               | 0.2944              | 2.4      | 27.09    | 0.5117 | 33.01     |
| 5G NR Band n7                    | 2520                  | 2550   | 38M5G7D             | 24.51               | 0.2825              | 2.4      | 26.91    | 0.4909 | 33.01     |
| 5G NR Band n7                    | 2507.5                | 2562.5 | 13M4W7D             | 24.78               | 0.3006              | 2.4      | 27.18    | 0.5224 | 33.01     |
| 5G NR Band n7                    | 2520                  | 2550   | 38M6W7D             | 24.65               | 0.2917              | 2.4      | 27.05    | 0.5070 | 33.01     |
| 5G NR Band n12                   | 706.5                 | 708.5  | 13M4G7D             | 23.54               | 0.2259              | 1.36     | 22.75    | 0.3090 | 34.77     |
| 5G NR Band n12                   | 706.5                 | 708.5  | 13M4W7D             | 23.54               | 0.2259              | 1.36     | 22.75    | 0.3090 | 34.77     |

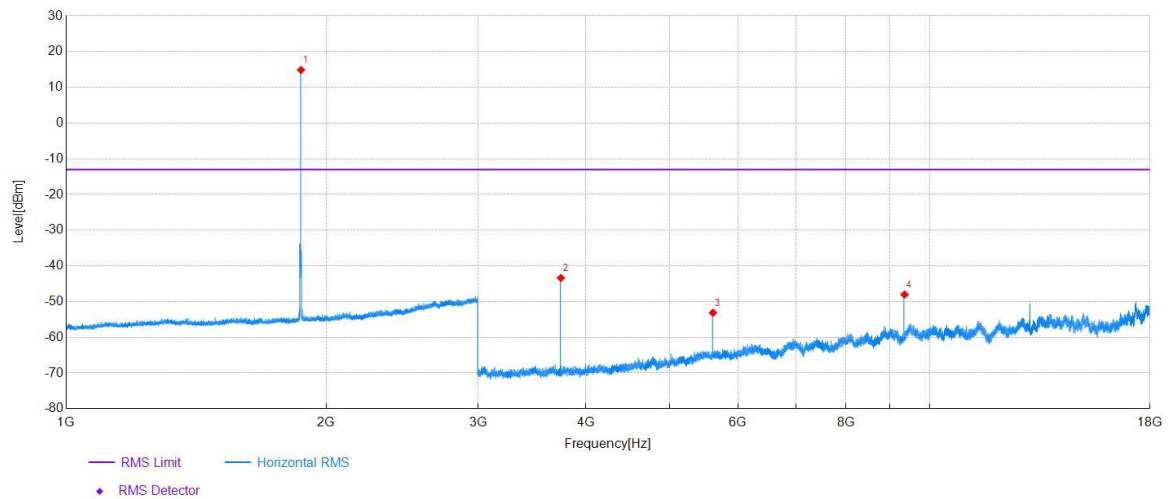
| Frequency Band                 | Frequency Range (MHz) |        | Emission Designator | Conducted Power dBm | Conducted Power (W) | Gain dBi | EIRP/ERP |        | Limit dBm |
|--------------------------------|-----------------------|--------|---------------------|---------------------|---------------------|----------|----------|--------|-----------|
|                                | Low                   | High   |                     |                     |                     |          | dBm      | W      |           |
| 5G NR Band n13                 | 779.5                 | 784.5  | 4M46G7D             | 22.71               | 0.1866              | 2.07     | 22.63    | 0.3006 | 34.77     |
| 5G NR Band n13                 | 782                   | 782    | 8M89G7D             | 22.56               | 0.1803              | 2.07     | 22.48    | 0.2904 | 34.77     |
| 5G NR Band n13                 | 782                   | 782    | 8M94W7D             | 22.76               | 0.1888              | 2.07     | 22.68    | 0.3041 | 34.77     |
| 5G NR Band n25                 | 1857.5                | 1907.5 | 14M0G7D             | 23.26               | 0.2118              | 4.92     | 28.18    | 0.6577 | 33.01     |
| 5G NR Band n25                 | 1870                  | 1895   | 38M4G7D             | 23.17               | 0.2075              | 4.92     | 28.09    | 0.6442 | 33.01     |
| 5G NR Band n25                 | 1857.5                | 1907.5 | 14M1W7D             | 22.75               | 0.1884              | 4.92     | 27.67    | 0.5848 | 33.01     |
| 5G NR Band n25                 | 1870                  | 1895   | 38M5W7D             | 22.62               | 0.1828              | 4.92     | 27.54    | 0.5675 | 33.01     |
| 5G NR Band n38                 | 2585                  | 2605   | 26M8G7D             | 26.37               | 0.4335              | 2.4      | 28.77    | 0.7534 | 33.01     |
| 5G NR Band n38                 | 2590                  | 2600   | 35M7G7D             | 26.26               | 0.4227              | 2.4      | 28.66    | 0.7345 | 33.01     |
| 5G NR Band n38                 | 2590                  | 2600   | 35M7W7D             | 26.37               | 0.4335              | 2.4      | 28.77    | 0.7534 | 33.01     |
| 5G NR Band n66                 | 1717.5                | 1772.5 | 13M4G7D             | 24.23               | 0.2649              | 4.94     | 29.17    | 0.8260 | 30.00     |
| 5G NR Band n66                 | 1730                  | 1760   | 38M4G7D             | 24.13               | 0.2588              | 4.94     | 29.07    | 0.8072 | 30.00     |
| 5G NR Band n66                 | 1720                  | 1770   | 17M9W7D             | 23.77               | 0.2382              | 4.94     | 28.71    | 0.7430 | 30.00     |
| 5G NR Band n66                 | 1730                  | 1760   | 38M5W7D             | 23.71               | 0.2350              | 4.94     | 28.65    | 0.7328 | 30.00     |
| 5G NR Band n71                 | 673                   | 688    | 17M8G7D             | 23.6                | 0.2291              | 1.36     | 22.81    | 0.3133 | 34.77     |
| 5G NR Band n71                 | 670.5                 | 690.5  | 13M4W7D             | 23.57               | 0.2275              | 1.36     | 22.78    | 0.3112 | 34.77     |
| 5G NR Band n71                 | 673                   | 688    | 17M8W7D             | 23.55               | 0.2265              | 1.36     | 22.76    | 0.3097 | 34.77     |
| 5G NR Band n14                 | 793                   | 793    | 8M91G7D             | 23.56               | 0.2270              | 1.76     | 23.17    | 0.3404 | 34.77     |
| 5G NR Band n14                 | 790.5                 | 795.5  | 4M49W7D             | 23.66               | 0.2323              | 1.76     | 23.27    | 0.3483 | 34.77     |
| 5G NR Band n14                 | 793                   | 793    | 8M94W7D             | 23.43               | 0.2203              | 1.76     | 23.04    | 0.3304 | 34.77     |
| 5G NR Band n26 (814 ~ 824 MHz) | 824                   | 824    | 17M8G7D             | 23.15               | 0.2065              | /        | /        | /      | 50.00     |
| 5G NR Band n26 (814 ~ 824 MHz) | 824                   | 824    | 17M8W7D             | 22.61               | 0.1824              | /        | /        | /      | 50.00     |
| 5G NR Band n30                 | 2310                  | 2310   | 8M92G7D             | 22.62               | 0.1828              | 1.33     | 23.95    | 0.2483 | 23.98     |
| 5G NR Band n30                 | 2307.5                | 2312.5 | 4M4827D             | 22.12               | 0.1629              | 1.33     | 23.45    | 0.2213 | 23.98     |
| 5G NR Band n30                 | 2310                  | 2310   | 8M96W7D             | 22.07               | 0.1611              | 1.33     | 23.40    | 0.2188 | 23.98     |
| 5G NR Band n48                 | 3565                  | 3685   | 27M7G7D             | 22.28               | 0.1690              | 0.69     | 22.97    | 0.1982 | 23.00     |
| 5G NR Band n48                 | 3570                  | 3680   | 37M8G7D             | 22.3                | 0.1698              | 0.69     | 22.99    | 0.1991 | 23.00     |
| 5G NR Band n48                 | 3565                  | 3685   | 27M9W7D             | 22.15               | 0.1641              | 0.69     | 22.84    | 0.1923 | 23.00     |
| 5G NR Band n48                 | 3570                  | 3680   | 37M8W7D             | 21.21               | 0.1321              | 0.69     | 21.90    | 0.1778 | 23.00     |

## Field Strength of Spurious Radiation

### Test Result for NR SA

| Project Information |                 |           |           |
|---------------------|-----------------|-----------|-----------|
| Mode:               | NR SA           | Band:     | n2        |
| Bandwidth:          | 20MHz           | Channel:  | Mid       |
| IMEI:               | 863109050663678 | Engineer: | Tian Shuo |
| Remark:             | -               |           |           |

### Test Graph

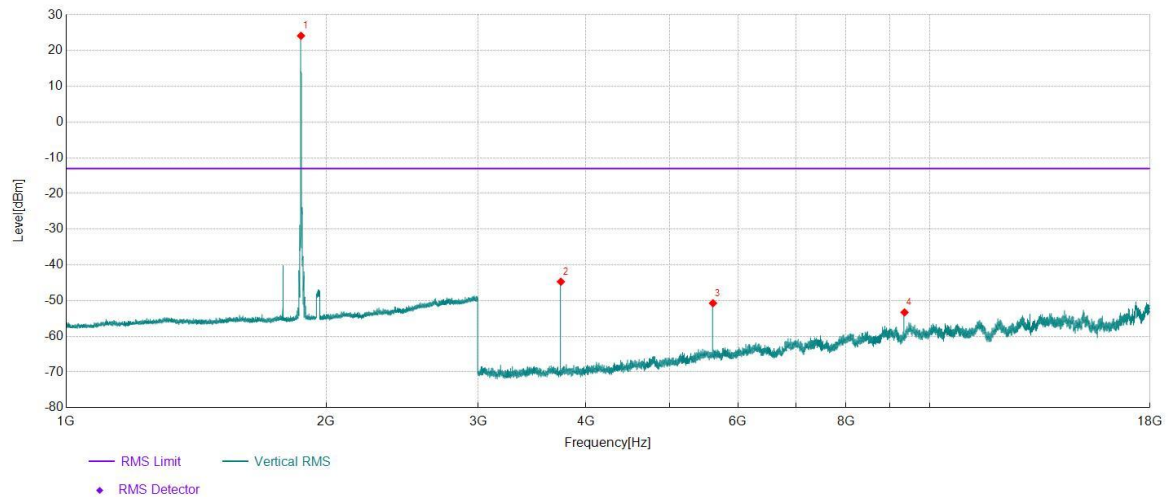


| Data List |             |                |             |             |             |             |            |         |
|-----------|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| NO.       | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
| 1         | 1870.60     | 99.84          | -84.97      | 14.87       | -           | -           | Horizontal | NA      |
| 2         | 3741.00     | 64.05          | -107.44     | -43.39      | -13.00      | 30.39       | Horizontal | PASS    |
| 3         | 5611.50     | 48.07          | -101.21     | -53.14      | -13.00      | 40.14       | Horizontal | PASS    |
| 4         | 9353.00     | 45.19          | -93.23      | -48.04      | -13.00      | 35.04       | Horizontal | PASS    |

## Project Information

|            |                 |           |           |
|------------|-----------------|-----------|-----------|
| Mode:      | NR SA           | Band:     | n2        |
| Bandwidth: | 20MHz           | Channel:  | Mid       |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo |
| Remark:    | -               |           |           |

## Test Graph



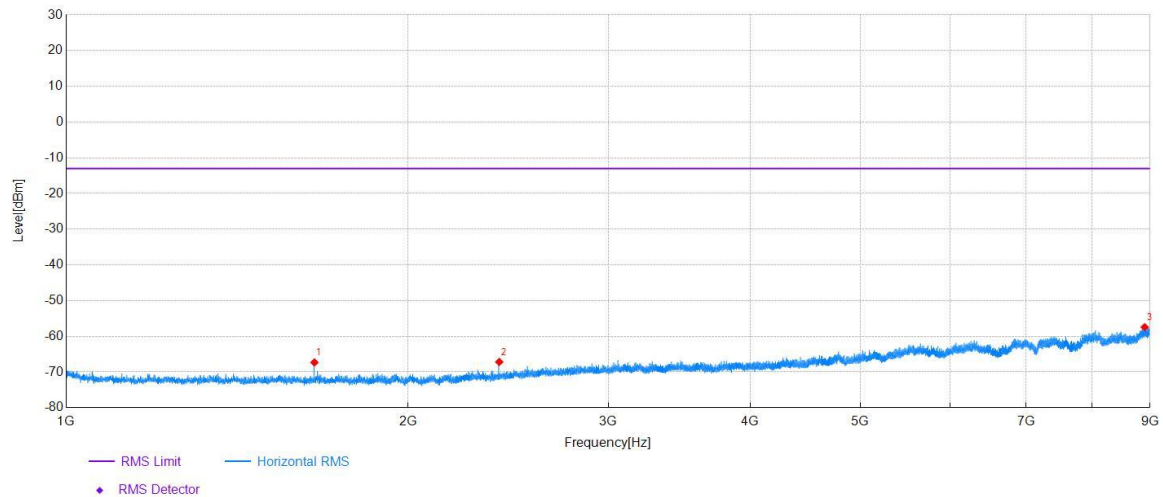
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 1870.60     | 109.13         | -84.97      | 24.16       | -           | -           | Vertical | NA      |
| 2   | 3741.00     | 62.72          | -107.44     | -44.72      | -13.00      | 31.72       | Vertical | PASS    |
| 3   | 5611.50     | 50.47          | -101.21     | -50.74      | -13.00      | 37.74       | Vertical | PASS    |
| 4   | 9353.00     | 39.93          | -93.23      | -53.30      | -13.00      | 40.30       | Vertical | PASS    |

## Project Information

|            |                 |           |           |
|------------|-----------------|-----------|-----------|
| Mode:      | NR SA           | Band:     | n5        |
| Bandwidth: | 20MHz           | Channel:  | Mid       |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo |
| Remark:    | -               |           |           |

## Test Graph



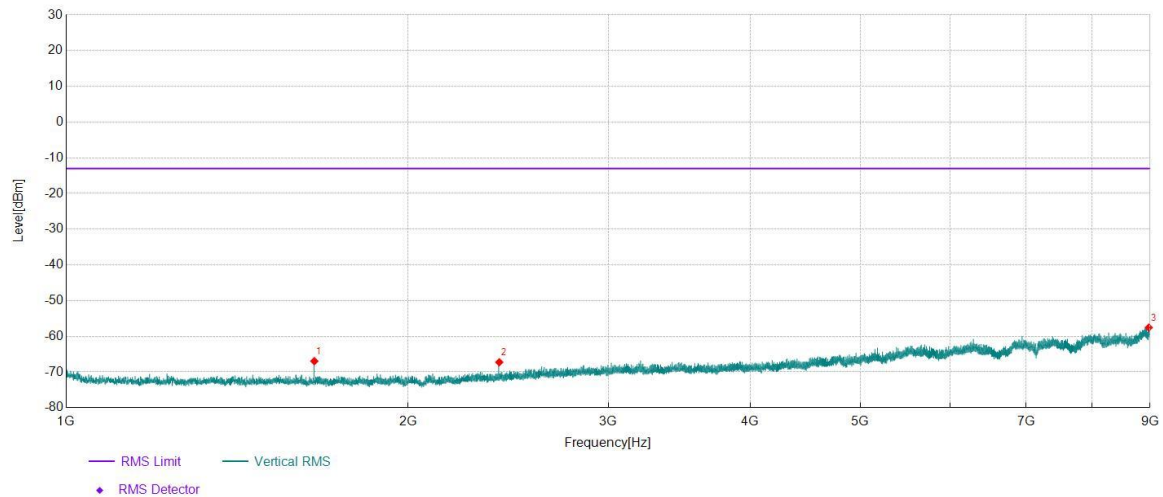
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 1654.13     | 46.76          | -114.09     | -67.33      | -13.00      | 54.33       | Horizontal | PASS    |
| 2   | 2406.13     | 44.93          | -112.11     | -67.18      | -13.00      | 54.18       | Horizontal | PASS    |
| 3   | 8902.67     | 35.78          | -93.22      | -57.44      | -13.00      | 44.44       | Horizontal | PASS    |

## Project Information

|            |                 |           |           |
|------------|-----------------|-----------|-----------|
| Mode:      | NR SA           | Band:     | n5        |
| Bandwidth: | 20MHz           | Channel:  | Mid       |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo |
| Remark:    | -               |           |           |

## Test Graph



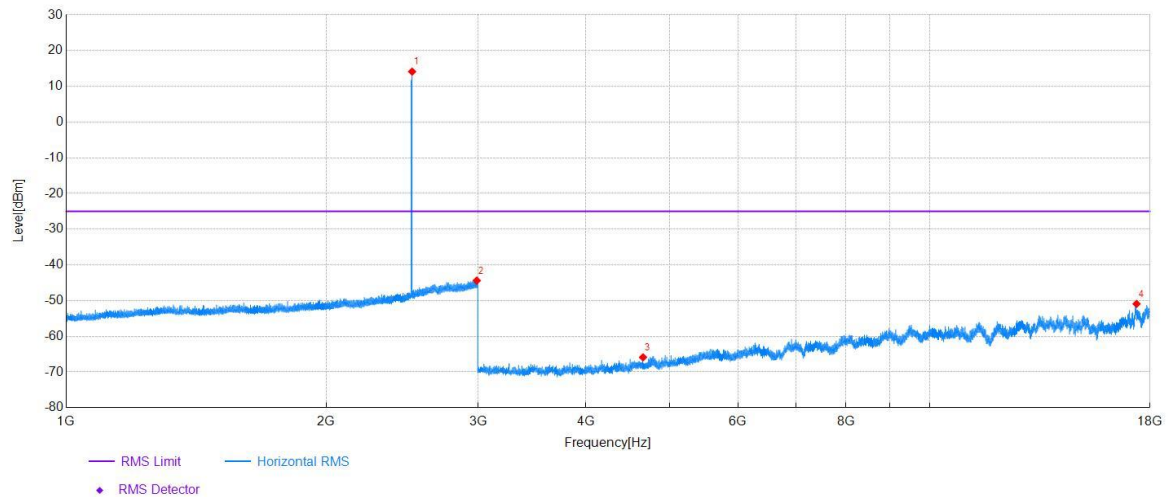
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 1653.87     | 47.13          | -114.09     | -66.96      | -13.00      | 53.96       | Vertical | PASS    |
| 2   | 2406.13     | 44.84          | -112.11     | -67.27      | -13.00      | 54.27       | Vertical | PASS    |
| 3   | 8977.07     | 36.20          | -93.76      | -57.56      | -13.00      | 44.56       | Vertical | PASS    |

## Project Information

|            |                 |           |           |
|------------|-----------------|-----------|-----------|
| Mode:      | NR SA           | Band:     | n7        |
| Bandwidth: | 40MHz           | Channel:  | Mid       |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo |
| Remark:    | -               |           |           |

## Test Graph



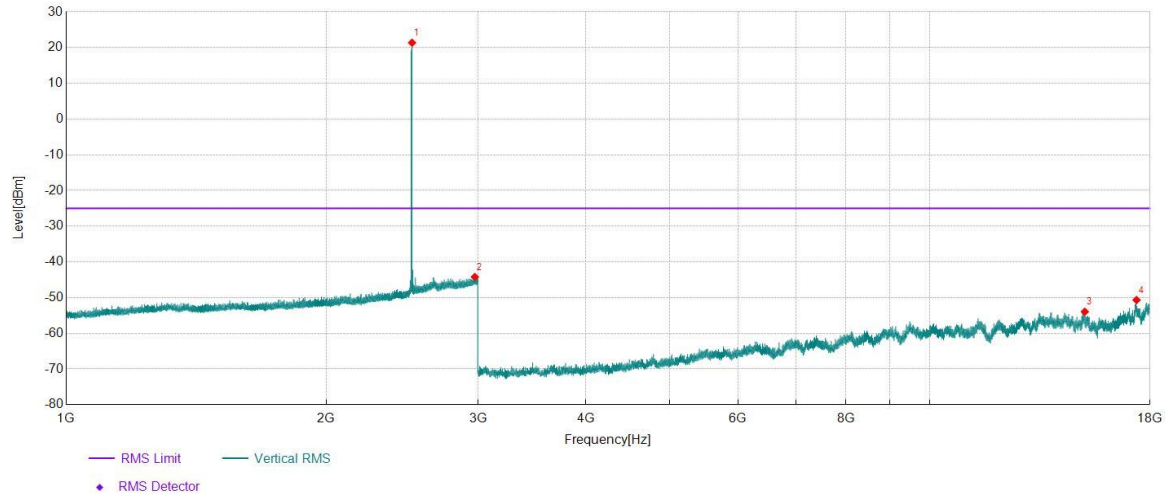
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 2515.70     | 97.21          | -83.08      | 14.13       | -           | -           | Horizontal | NA      |
| 2   | 2988.90     | 35.72          | -80.13      | -44.41      | -25.00      | 19.41       | Horizontal | PASS    |
| 3   | 4657.00     | 37.83          | -103.71     | -65.88      | -25.00      | 40.88       | Horizontal | PASS    |
| 4   | 17364.00    | 32.03          | -82.95      | -50.92      | -25.00      | 25.92       | Horizontal | PASS    |

## Project Information

|            |                 |           |           |
|------------|-----------------|-----------|-----------|
| Mode:      | NR SA           | Band:     | n7        |
| Bandwidth: | 40MHz           | Channel:  | Mid       |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo |
| Remark:    | -               |           |           |

## Test Graph



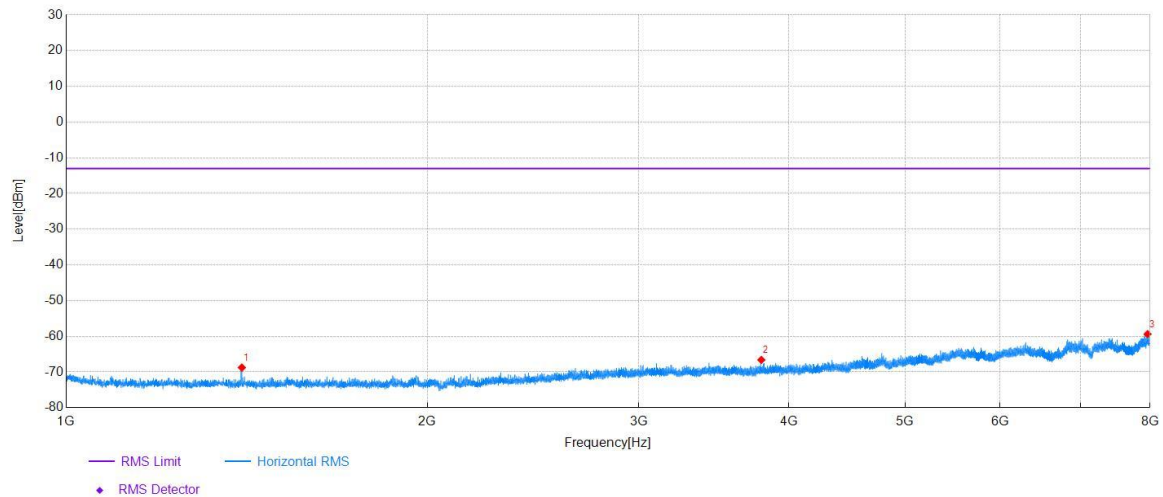
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 2515.60     | 104.46         | -83.08      | 21.38       | -           | -           | Vertical | NA      |
| 2   | 2974.00     | 35.68          | -79.90      | -44.22      | -25.00      | 19.22       | Vertical | PASS    |
| 3   | 15127.00    | 32.62          | -86.58      | -53.96      | -25.00      | 28.96       | Vertical | PASS    |
| 4   | 17364.00    | 32.27          | -82.95      | -50.68      | -25.00      | 25.68       | Vertical | PASS    |

## Project Information

|            |                 |           |           |
|------------|-----------------|-----------|-----------|
| Mode:      | NR SA           | Band:     | n12       |
| Bandwidth: | 15MHz           | Channel:  | Mid       |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo |
| Remark:    | -               |           |           |

## Test Graph



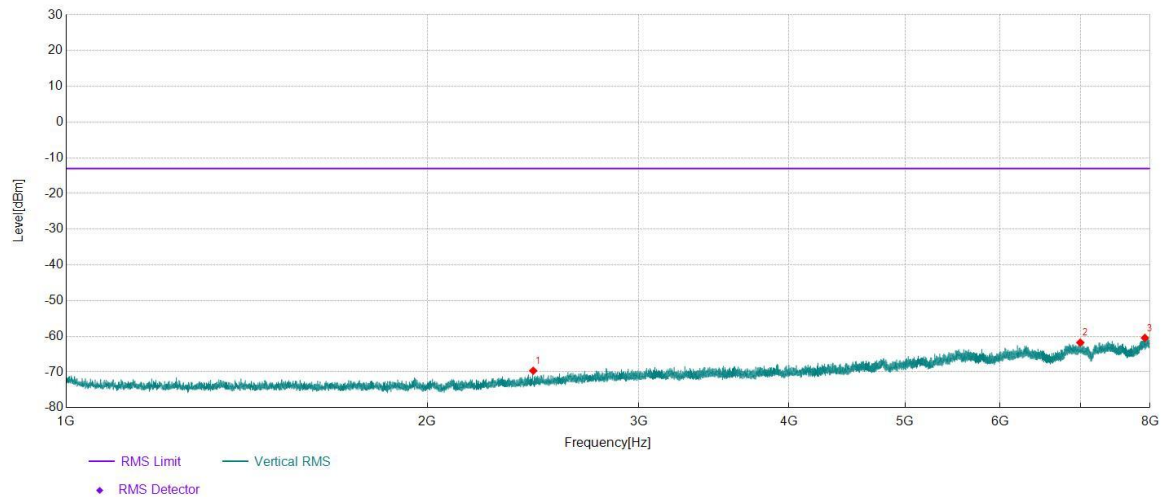
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 1400.87     | 45.55          | -114.31     | -68.76      | -13.00      | 55.76       | Horizontal | PASS    |
| 2   | 3795.10     | 40.09          | -106.71     | -66.62      | -13.00      | 53.62       | Horizontal | PASS    |
| 3   | 7962.43     | 36.09          | -95.49      | -59.40      | -13.00      | 46.40       | Horizontal | PASS    |

## Project Information

|            |                 |           |           |
|------------|-----------------|-----------|-----------|
| Mode:      | NR SA           | Band:     | n12       |
| Bandwidth: | 15MHz           | Channel:  | Mid       |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo |
| Remark:    | -               |           |           |

## Test Graph



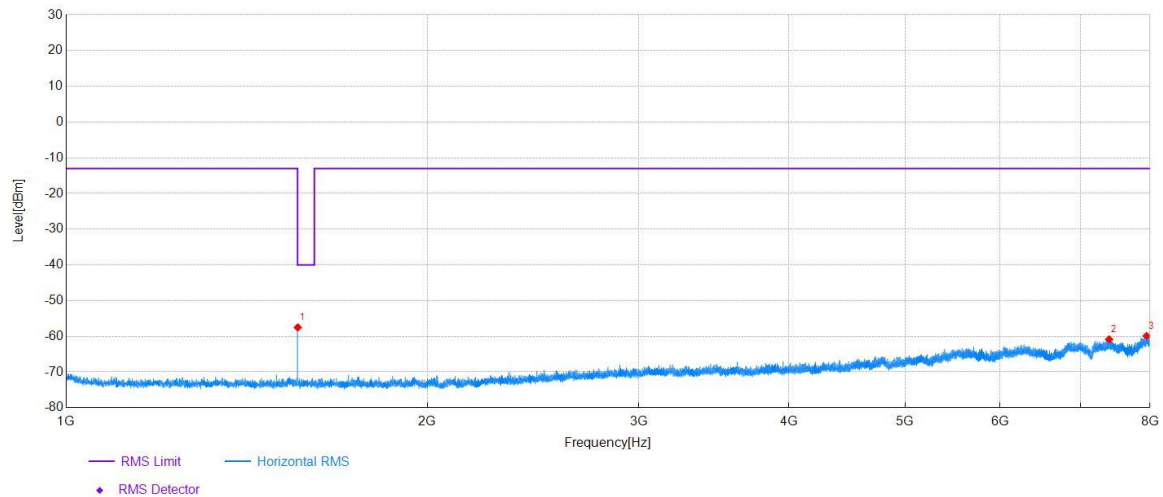
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 2449.93     | 41.46          | -111.11     | -69.65      | -13.00      | 56.65       | Vertical | PASS    |
| 2   | 6997.83     | 35.46          | -97.22      | -61.76      | -13.00      | 48.76       | Vertical | PASS    |
| 3   | 7922.07     | 35.14          | -95.59      | -60.45      | -13.00      | 47.45       | Vertical | PASS    |

## Project Information

|            |                 |           |           |
|------------|-----------------|-----------|-----------|
| Mode:      | NR SA           | Band:     | n13       |
| Bandwidth: | 5MHz            | Channel:  | Mid       |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo |
| Remark:    | -               |           |           |

## Test Graph



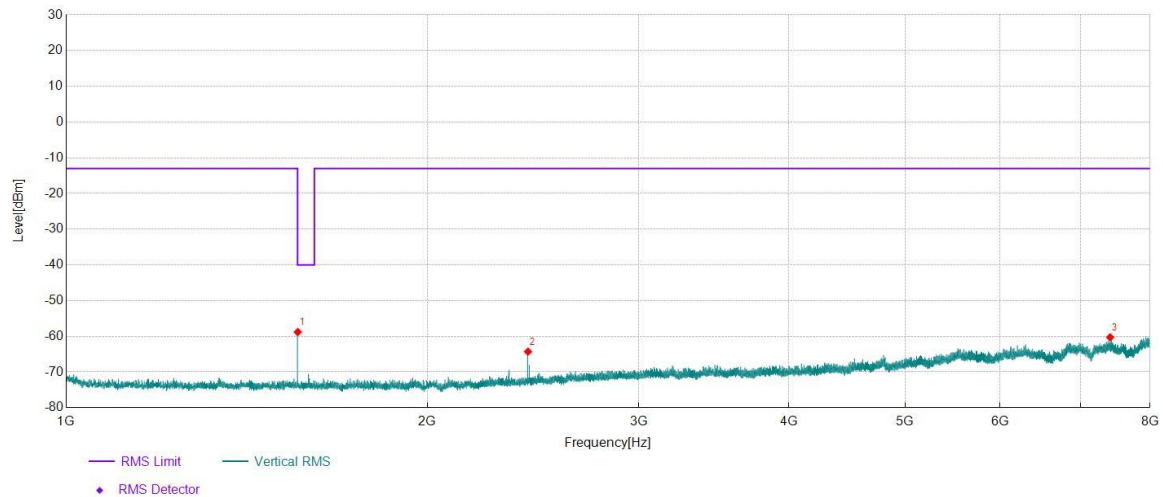
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 1559.53     | 56.56          | -114.09     | -57.53      | -40.00      | 17.53       | Horizontal | PASS    |
| 2   | 7396.83     | 35.64          | -96.52      | -60.88      | -13.00      | 47.88       | Horizontal | PASS    |
| 3   | 7947.27     | 35.56          | -95.48      | -59.92      | -13.00      | 46.92       | Horizontal | PASS    |

## Project Information

|            |                 |           |           |
|------------|-----------------|-----------|-----------|
| Mode:      | NR SA           | Band:     | n13       |
| Bandwidth: | 5MHz            | Channel:  | Mid       |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo |
| Remark:    | -               |           |           |

## Test Graph



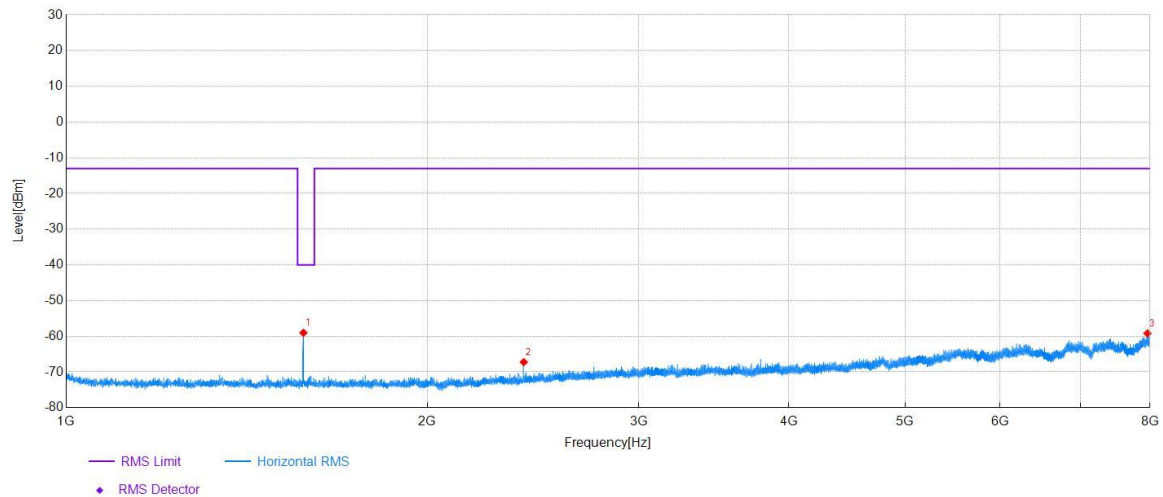
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 1559.53     | 55.28          | -114.09     | -58.81      | -40.00      | 18.81       | Vertical | PASS    |
| 2   | 2425.67     | 47.37          | -111.67     | -64.30      | -13.00      | 51.30       | Vertical | PASS    |
| 3   | 7410.83     | 36.32          | -96.60      | -60.28      | -13.00      | 47.28       | Vertical | PASS    |

## Project Information

|            |                 |           |           |
|------------|-----------------|-----------|-----------|
| Mode:      | NR SA           | Band:     | n14       |
| Bandwidth: | 10MHz           | Channel:  | Mid       |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo |
| Remark:    | -               |           |           |

## Test Graph



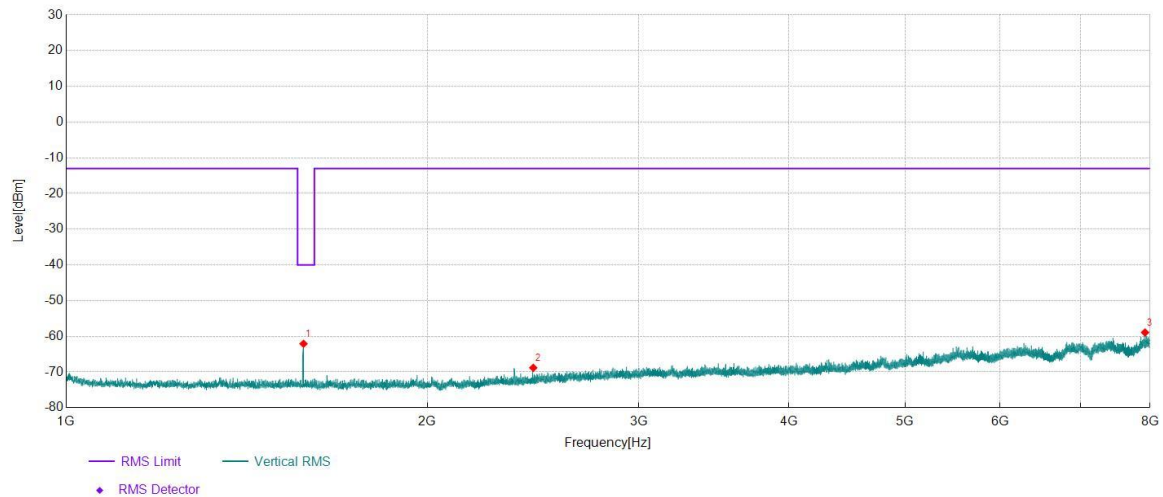
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 1576.57     | 55.16          | -114.18     | -59.02      | -40.00      | 19.02       | Horizontal | PASS    |
| 2   | 2406.07     | 44.88          | -112.12     | -67.24      | -13.00      | 54.24       | Horizontal | PASS    |
| 3   | 7961.73     | 36.29          | -95.49      | -59.20      | -13.00      | 46.20       | Horizontal | PASS    |

## Project Information

|            |                 |           |           |
|------------|-----------------|-----------|-----------|
| Mode:      | NR SA           | Band:     | n14       |
| Bandwidth: | 10MHz           | Channel:  | Mid       |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo |
| Remark:    | -               |           |           |

## Test Graph



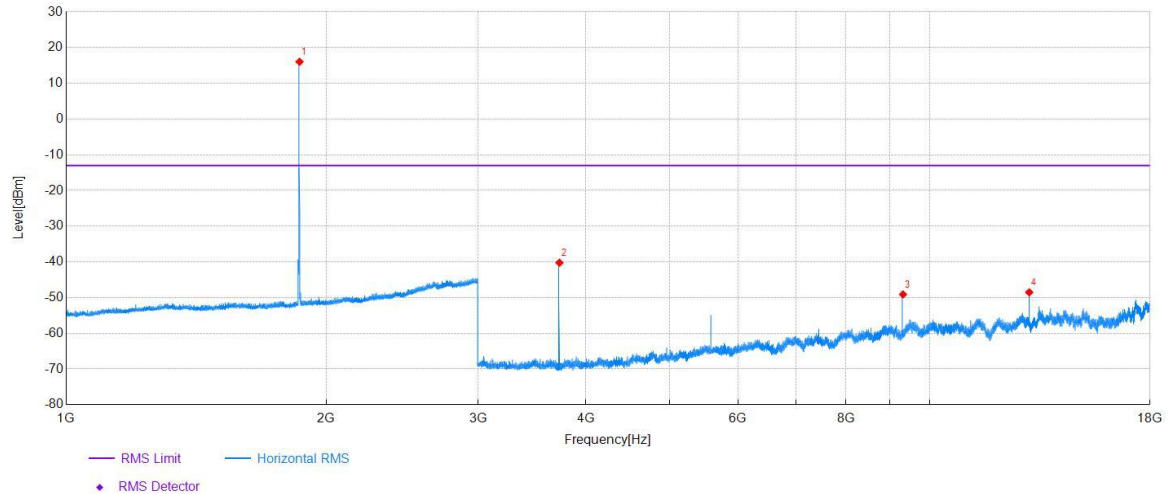
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 1576.80     | 52.09          | -114.18     | -62.09      | -40.00      | 22.09       | Vertical | PASS    |
| 2   | 2450.17     | 42.28          | -111.11     | -68.83      | -13.00      | 55.83       | Vertical | PASS    |
| 3   | 7923.47     | 36.64          | -95.58      | -58.94      | -13.00      | 45.94       | Vertical | PASS    |

## Project Information

|            |                 |           |           |
|------------|-----------------|-----------|-----------|
| Mode:      | NR SA           | Band:     | n25       |
| Bandwidth: | 40MHz           | Channel:  | Mid       |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo |
| Remark:    | -               |           |           |

## Test Graph



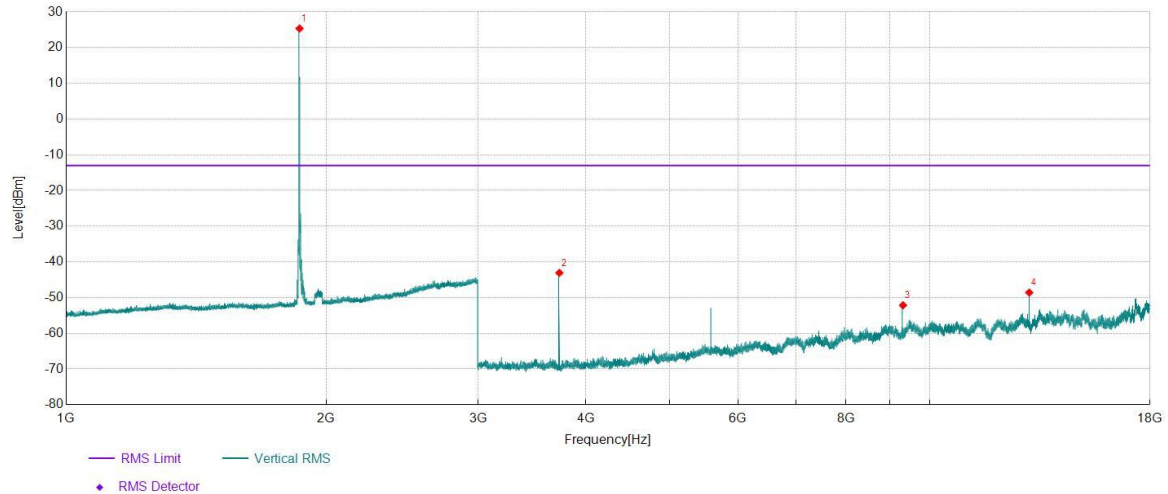
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 1863.20     | 101.01         | -84.97      | 16.04       | -           | -           | Horizontal | NA      |
| 2   | 3726.50     | 67.23          | -107.46     | -40.23      | -13.00      | 27.23       | Horizontal | PASS    |
| 3   | 9315.50     | 43.29          | -92.40      | -49.11      | -13.00      | 36.11       | Horizontal | PASS    |
| 4   | 13042.00    | 40.56          | -89.09      | -48.53      | -13.00      | 35.53       | Horizontal | PASS    |

## Project Information

|            |                 |           |           |
|------------|-----------------|-----------|-----------|
| Mode:      | NR SA           | Band:     | n25       |
| Bandwidth: | 40MHz           | Channel:  | Mid       |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo |
| Remark:    | -               |           |           |

## Test Graph



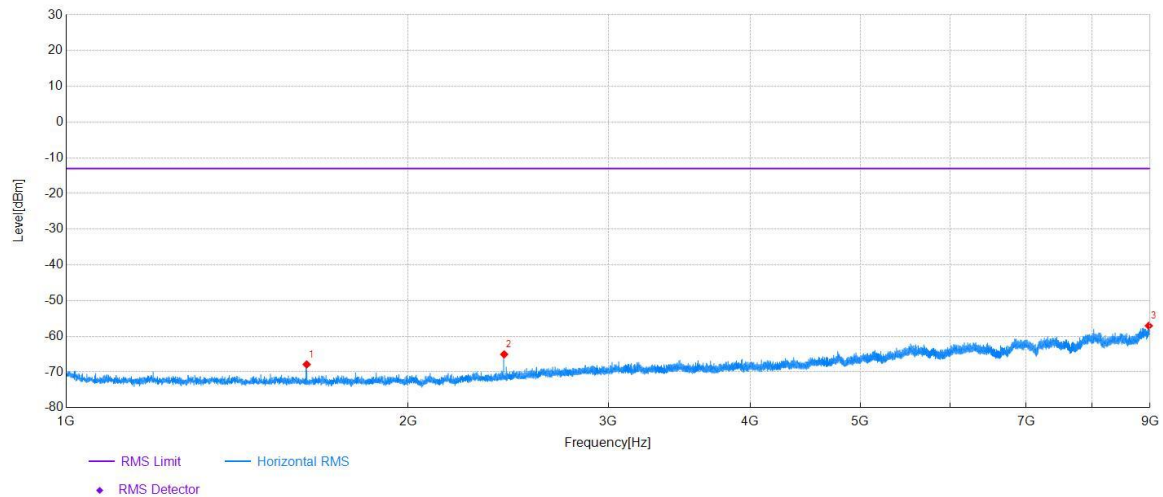
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 1863.20     | 110.34         | -84.97      | 25.37       | -           | -           | Vertical | NA      |
| 2   | 3726.00     | 64.38          | -107.46     | -43.08      | -13.00      | 30.08       | Vertical | PASS    |
| 3   | 9315.50     | 40.24          | -92.40      | -52.16      | -13.00      | 39.16       | Vertical | PASS    |
| 4   | 13042.50    | 40.47          | -89.08      | -48.61      | -13.00      | 35.61       | Vertical | PASS    |

## Project Information

|            |                 |           |                 |
|------------|-----------------|-----------|-----------------|
| Mode:      | NR SA           | Band:     | n26(814-824MHz) |
| Bandwidth: | 10MHz           | Channel:  | Mid             |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo       |
| Remark:    | -               |           |                 |

## Test Graph



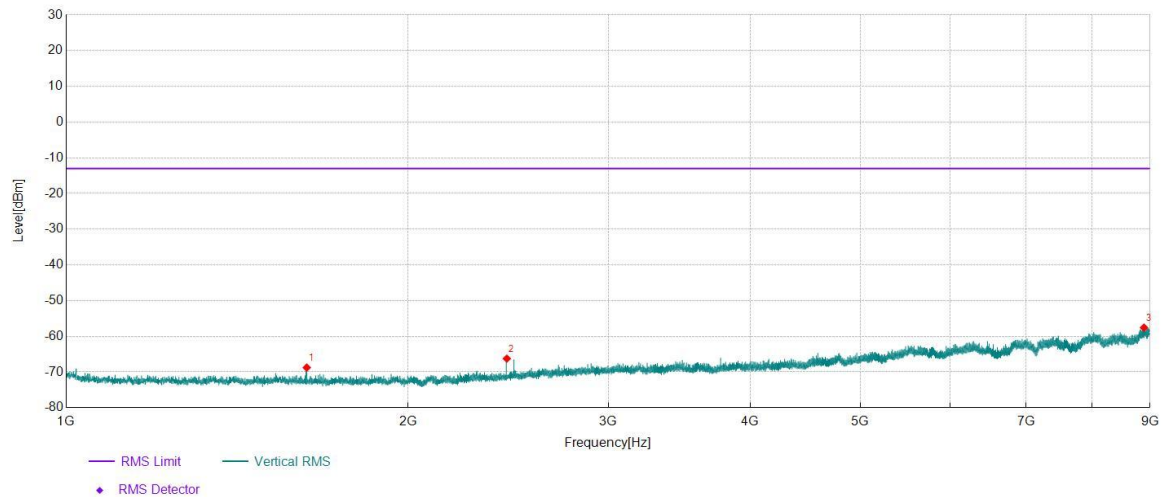
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 1628.53     | 46.29          | -114.17     | -67.88      | -13.00      | 54.88       | Horizontal | PASS    |
| 2   | 2430.13     | 46.50          | -111.56     | -65.06      | -13.00      | 52.06       | Horizontal | PASS    |
| 3   | 8977.87     | 36.68          | -93.74      | -57.06      | -13.00      | 44.06       | Horizontal | PASS    |

## Project Information

|            |                 |           |                 |
|------------|-----------------|-----------|-----------------|
| Mode:      | NR SA           | Band:     | n26(814-824MHz) |
| Bandwidth: | 10MHz           | Channel:  | Mid             |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo       |
| Remark:    | -               |           |                 |

## Test Graph



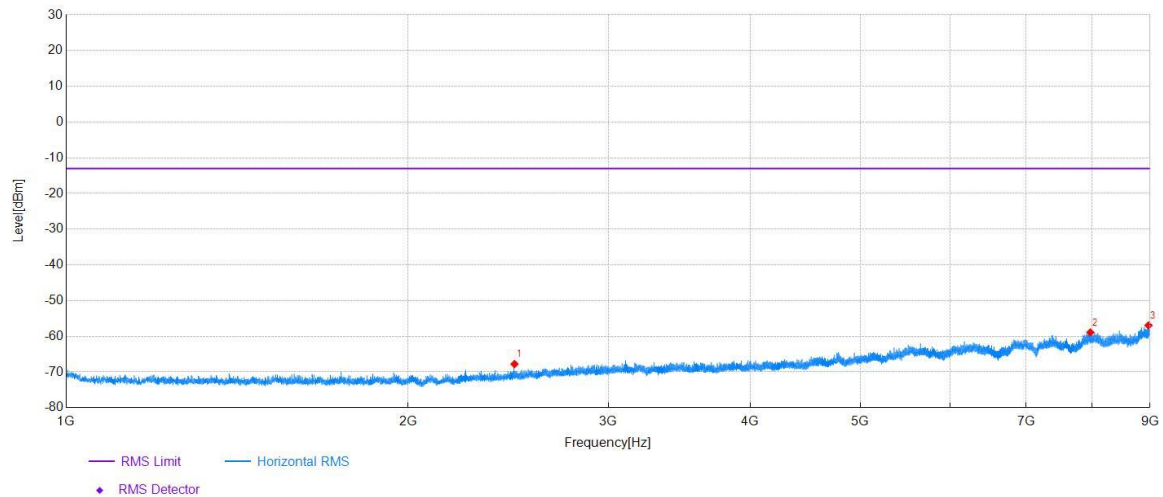
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 1628.53     | 45.40          | -114.17     | -68.77      | -13.00      | 55.77       | Vertical | PASS    |
| 2   | 2443.20     | 45.01          | -111.27     | -66.26      | -13.00      | 53.26       | Vertical | PASS    |
| 3   | 8890.13     | 35.53          | -93.11      | -57.58      | -13.00      | 44.58       | Vertical | PASS    |

## Project Information

|            |                 |           |                 |
|------------|-----------------|-----------|-----------------|
| Mode:      | NR SA           | Band:     | n26(824-849MHz) |
| Bandwidth: | 20MHz           | Channel:  | Mid             |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo       |
| Remark:    | -               |           |                 |

## Test Graph



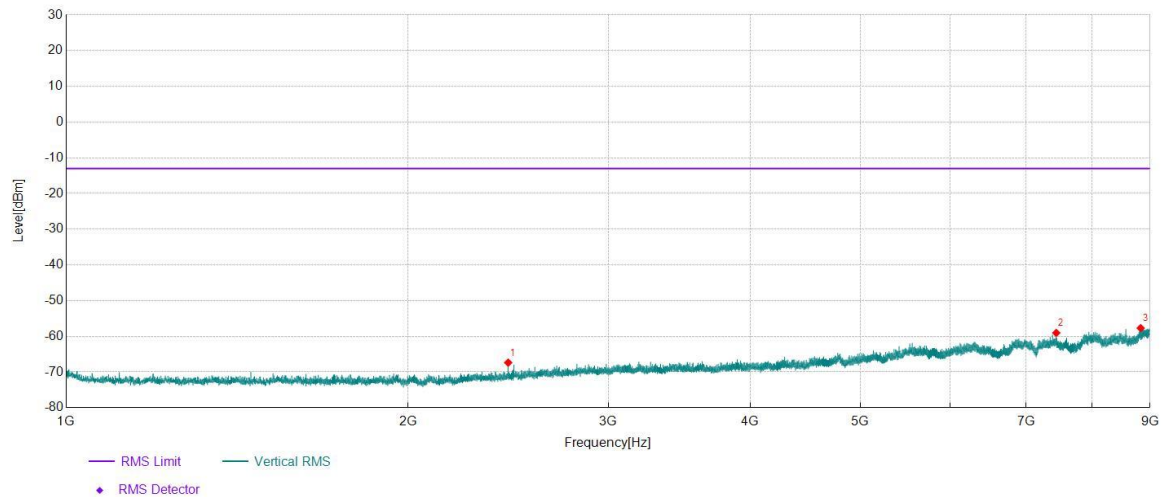
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 2481.60     | 43.51          | -111.29     | -67.78      | -13.00      | 54.78       | Horizontal | PASS    |
| 2   | 7974.40     | 36.60          | -95.52      | -58.92      | -13.00      | 45.92       | Horizontal | PASS    |
| 3   | 8972.00     | 36.88          | -93.82      | -56.94      | -13.00      | 43.94       | Horizontal | PASS    |

## Project Information

|            |                 |           |                 |
|------------|-----------------|-----------|-----------------|
| Mode:      | NR SA           | Band:     | n26(824-849MHz) |
| Bandwidth: | 20MHz           | Channel:  | Mid             |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo       |
| Remark:    | -               |           |                 |

## Test Graph



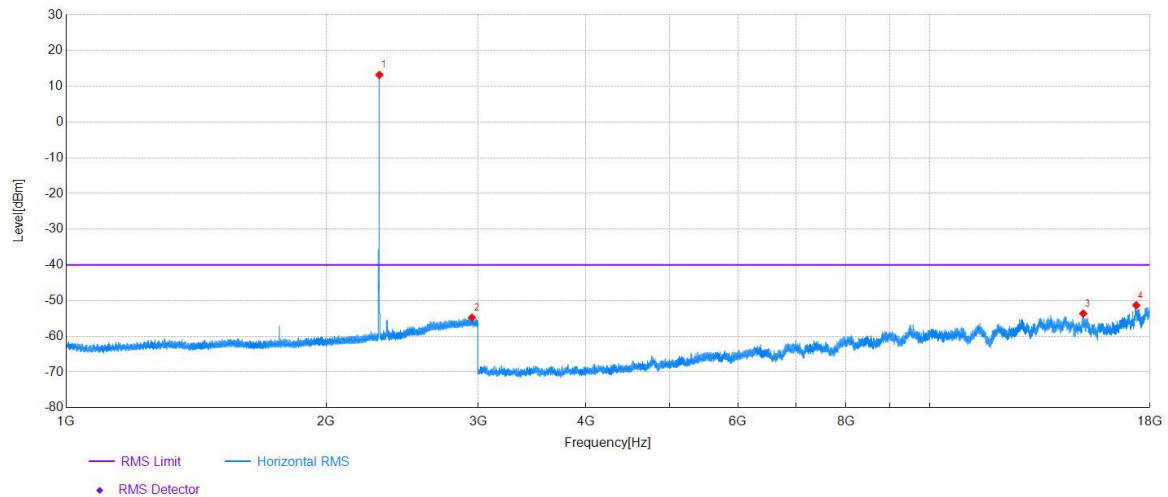
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 2449.87     | 43.72          | -111.11     | -67.39      | -13.00      | 54.39       | Vertical | PASS    |
| 2   | 7442.40     | 37.86          | -96.92      | -59.06      | -13.00      | 46.06       | Vertical | PASS    |
| 3   | 8830.67     | 35.49          | -93.20      | -57.71      | -13.00      | 44.71       | Vertical | PASS    |

## Project Information

|            |                 |           |           |
|------------|-----------------|-----------|-----------|
| Mode:      | NR SA           | Band:     | n30       |
| Bandwidth: | 10MHz           | Channel:  | Mid       |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo |
| Remark:    | -               |           |           |

## Test Graph



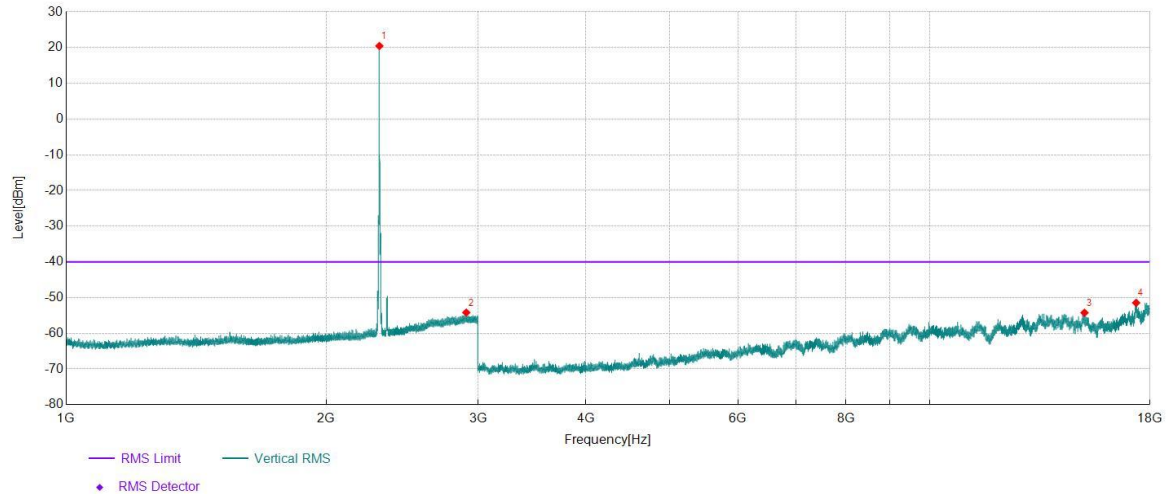
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 2305.40     | 107.41         | -94.19      | 13.22       | -           | -           | Horizontal | NA      |
| 2   | 2950.80     | 35.70          | -90.45      | -54.75      | -40.00      | 14.75       | Horizontal | PASS    |
| 3   | 15063.00    | 32.72          | -86.33      | -53.61      | -40.00      | 13.61       | Horizontal | PASS    |
| 4   | 17350.00    | 31.07          | -82.40      | -51.33      | -40.00      | 11.33       | Horizontal | PASS    |

## Project Information

|            |                 |           |           |
|------------|-----------------|-----------|-----------|
| Mode:      | NR SA           | Band:     | n30       |
| Bandwidth: | 10MHz           | Channel:  | Mid       |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo |
| Remark:    | -               |           |           |

## Test Graph



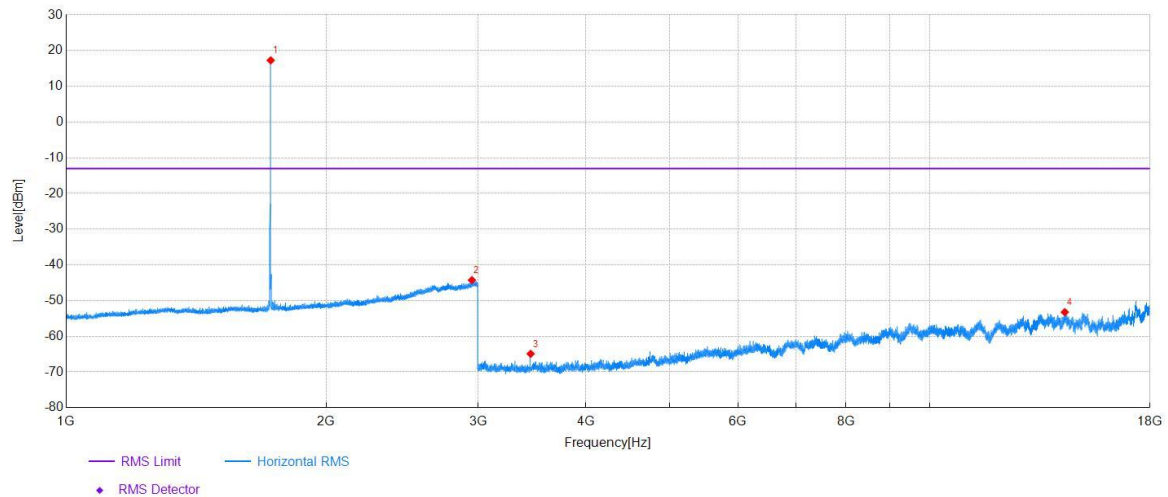
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 2305.50     | 114.67         | -94.19      | 20.48       | -           | -           | Vertical | NA      |
| 2   | 2906.80     | 36.30          | -90.50      | -54.20      | -40.00      | 14.20       | Vertical | PASS    |
| 3   | 15113.50    | 32.14          | -86.39      | -54.25      | -40.00      | 14.25       | Vertical | PASS    |
| 4   | 17345.50    | 31.14          | -82.60      | -51.46      | -40.00      | 11.46       | Vertical | PASS    |

## Project Information

|            |                 |           |           |
|------------|-----------------|-----------|-----------|
| Mode:      | NR SA           | Band:     | n66       |
| Bandwidth: | 40MHz           | Channel:  | Mid       |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo |
| Remark:    | -               |           |           |

## Test Graph



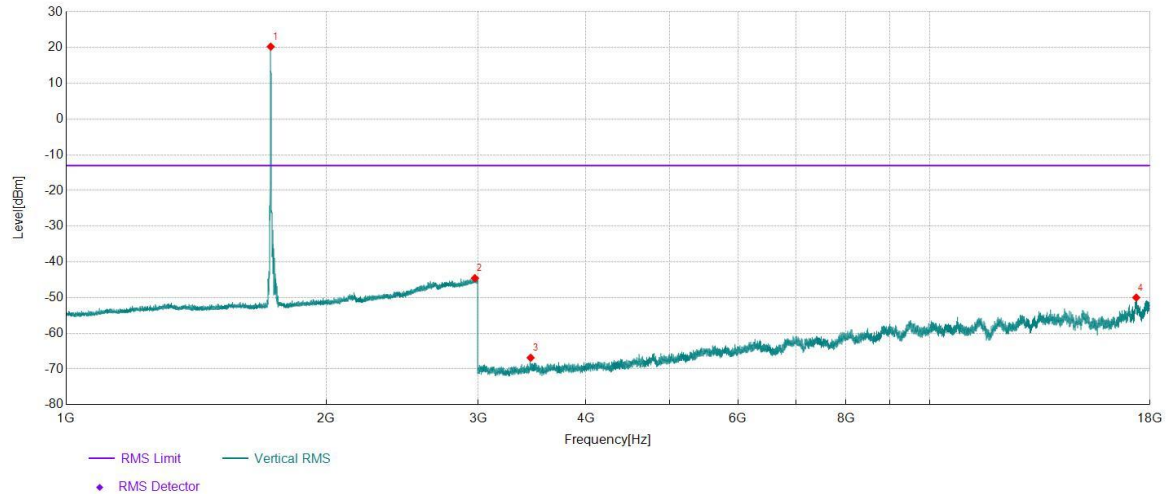
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 1725.60     | 102.55         | -85.27      | 17.28       | -           | -           | Horizontal | NA      |
| 2   | 2950.60     | 35.73          | -80.01      | -44.28      | -13.00      | 31.28       | Horizontal | PASS    |
| 3   | 3451.00     | 42.36          | -107.28     | -64.92      | -13.00      | 51.92       | Horizontal | PASS    |
| 4   | 14340.50    | 32.89          | -86.14      | -53.25      | -13.00      | 40.25       | Horizontal | PASS    |

## Project Information

|            |                 |           |           |
|------------|-----------------|-----------|-----------|
| Mode:      | NR SA           | Band:     | n66       |
| Bandwidth: | 40MHz           | Channel:  | Mid       |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo |
| Remark:    | -               |           |           |

## Test Graph



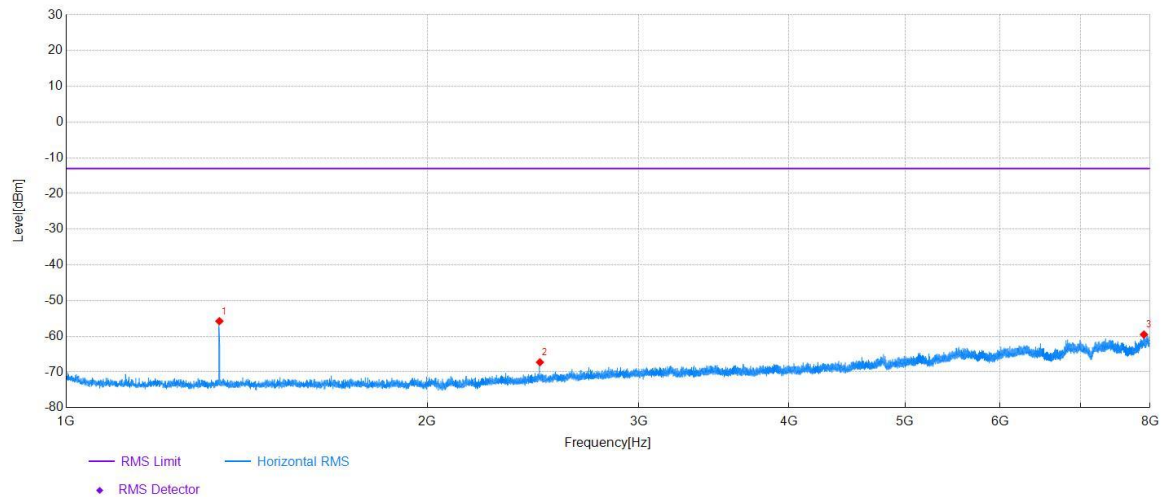
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 1725.60     | 105.54         | -85.27      | 20.27       | -           | -           | Vertical | NA      |
| 2   | 2974.60     | 35.33          | -79.90      | -44.57      | -13.00      | 31.57       | Vertical | PASS    |
| 3   | 3451.00     | 40.43          | -107.28     | -66.85      | -13.00      | 53.85       | Vertical | PASS    |
| 4   | 17350.50    | 32.42          | -82.42      | -50.00      | -13.00      | 37.00       | Vertical | PASS    |

## Project Information

|            |                 |           |           |
|------------|-----------------|-----------|-----------|
| Mode:      | NR SA           | Band:     | n71       |
| Bandwidth: | 20MHz           | Channel:  | Mid       |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo |
| Remark:    | -               |           |           |

## Test Graph



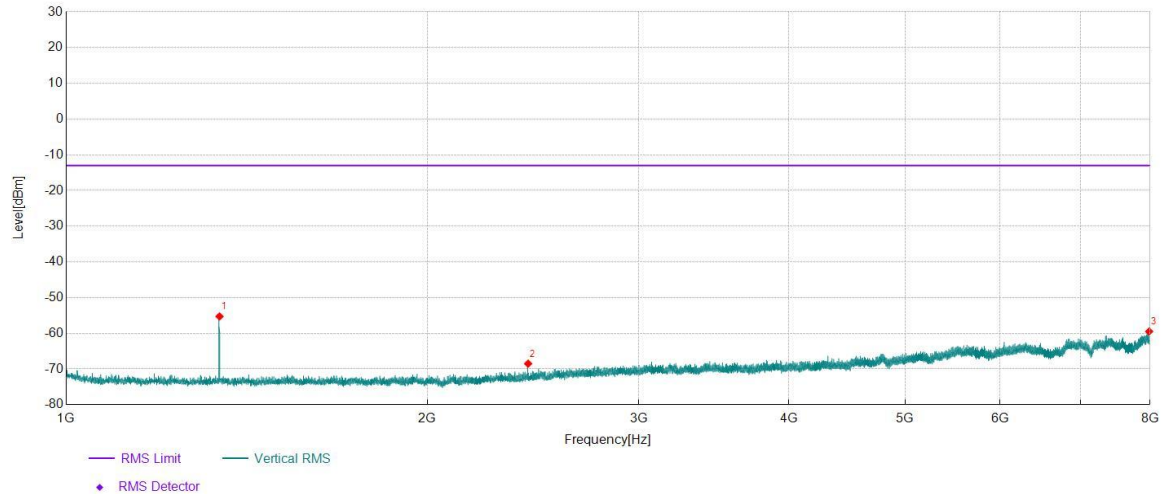
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 1341.83     | 58.45          | -114.22     | -55.77      | -13.00      | 42.77       | Horizontal | PASS    |
| 2   | 2481.67     | 44.02          | -111.29     | -67.27      | -13.00      | 54.27       | Horizontal | PASS    |
| 3   | 7906.90     | 36.14          | -95.66      | -59.52      | -13.00      | 46.52       | Horizontal | PASS    |

## Project Information

|            |                 |           |           |
|------------|-----------------|-----------|-----------|
| Mode:      | NR SA           | Band:     | n71       |
| Bandwidth: | 20MHz           | Channel:  | Mid       |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo |
| Remark:    | -               |           |           |

## Test Graph



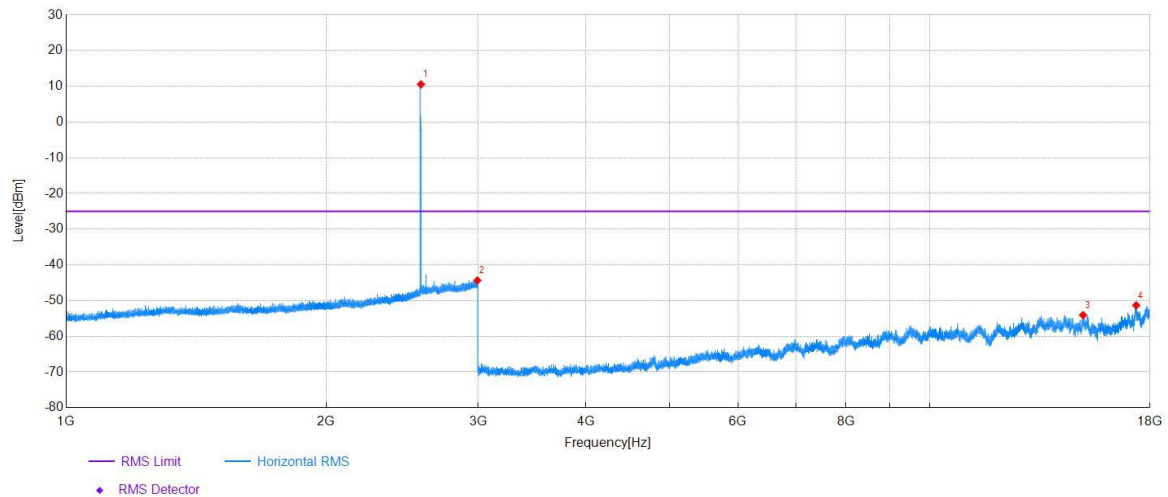
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 1342.07     | 58.94          | -114.22     | -55.28      | -13.00      | 42.28       | Vertical | PASS    |
| 2   | 2426.13     | 43.14          | -111.66     | -68.52      | -13.00      | 55.52       | Vertical | PASS    |
| 3   | 7986.47     | 36.06          | -95.55      | -59.49      | -13.00      | 46.49       | Vertical | PASS    |

## Project Information

|            |                 |           |           |
|------------|-----------------|-----------|-----------|
| Mode:      | NR SA           | Band:     | n38       |
| Bandwidth: | 40MHz           | Channel:  | Mid       |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo |
| Remark:    | -               |           |           |

## Test Graph



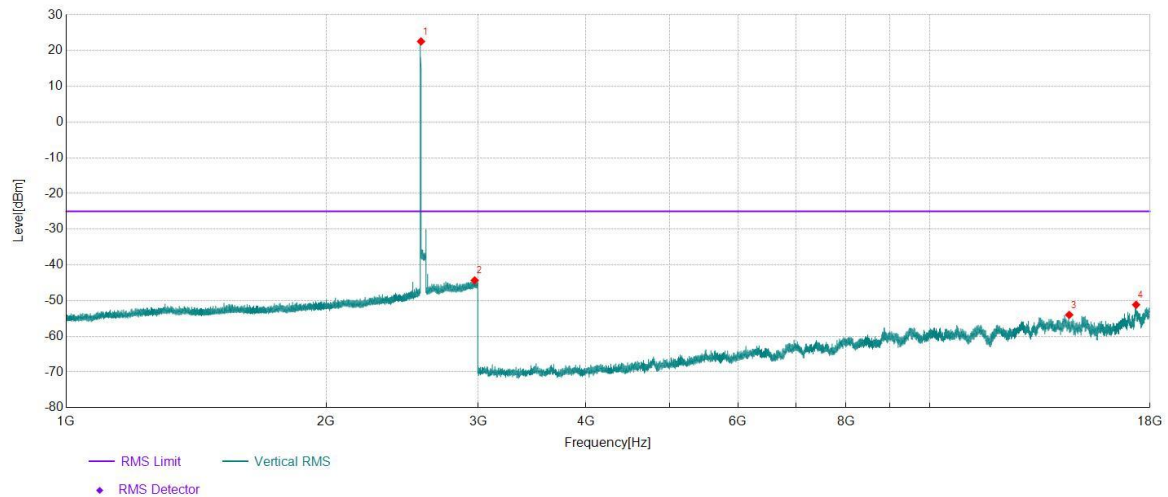
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 2576.00     | 92.95          | -82.38      | 10.57       | -           | -           | Horizontal | NA      |
| 2   | 2993.70     | 35.85          | -80.21      | -44.36      | -25.00      | 19.36       | Horizontal | PASS    |
| 3   | 15056.50    | 32.29          | -86.35      | -54.06      | -25.00      | 29.06       | Horizontal | PASS    |
| 4   | 17349.50    | 31.08          | -82.42      | -51.34      | -25.00      | 26.34       | Horizontal | PASS    |

## Project Information

|            |                 |           |           |
|------------|-----------------|-----------|-----------|
| Mode:      | NR SA           | Band:     | n38       |
| Bandwidth: | 40MHz           | Channel:  | Mid       |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo |
| Remark:    | -               |           |           |

## Test Graph



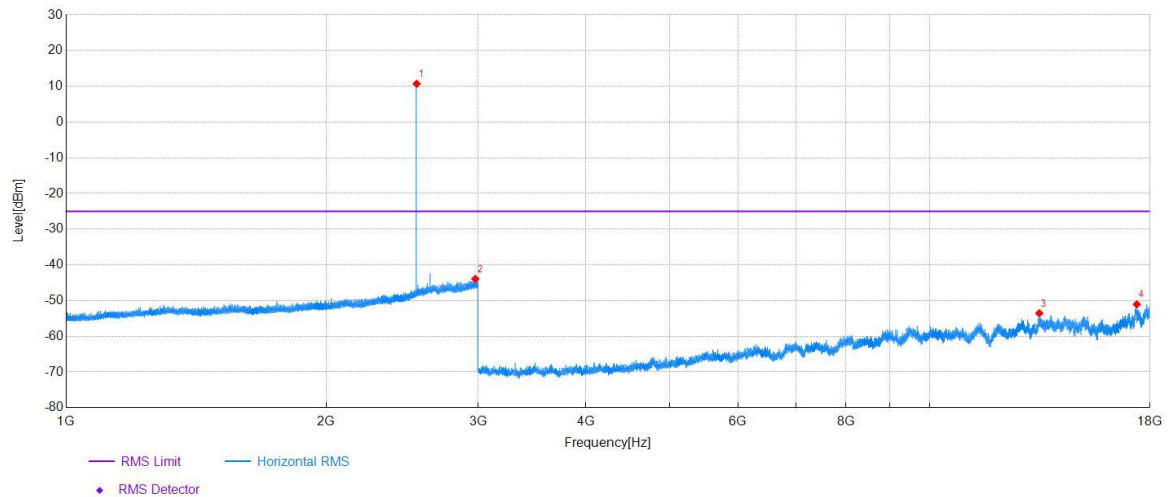
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 2576.10     | 104.96         | -82.38      | 22.58       | -           | -           | Vertical | NA      |
| 2   | 2972.80     | 35.56          | -79.91      | -44.35      | -25.00      | 19.35       | Vertical | PASS    |
| 3   | 14510.50    | 33.21          | -87.22      | -54.01      | -25.00      | 29.01       | Vertical | PASS    |
| 4   | 17344.50    | 31.49          | -82.66      | -51.17      | -25.00      | 26.17       | Vertical | PASS    |

## Project Information

|            |                 |           |           |
|------------|-----------------|-----------|-----------|
| Mode:      | NR SA           | Band:     | n41       |
| Bandwidth: | 100MHz          | Channel:  | Mid       |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo |
| Remark:    | -               |           |           |

## Test Graph



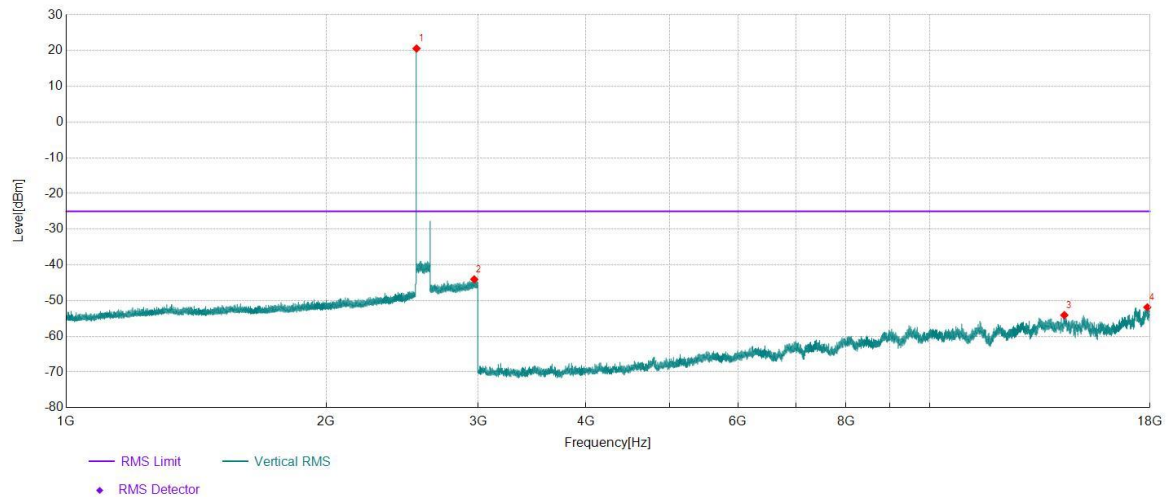
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 2546.20     | 93.41          | -82.69      | 10.72       | -           | -           | Horizontal | NA      |
| 2   | 2977.30     | 36.01          | -79.94      | -43.93      | -25.00      | 18.93       | Horizontal | PASS    |
| 3   | 13397.00    | 34.66          | -88.21      | -53.55      | -25.00      | 28.55       | Horizontal | PASS    |
| 4   | 17375.50    | 32.33          | -83.40      | -51.07      | -25.00      | 26.07       | Horizontal | PASS    |

## Project Information

|            |                 |           |           |
|------------|-----------------|-----------|-----------|
| Mode:      | NR SA           | Band:     | n41       |
| Bandwidth: | 100MHz          | Channel:  | Mid       |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo |
| Remark:    | -               |           |           |

## Test Graph



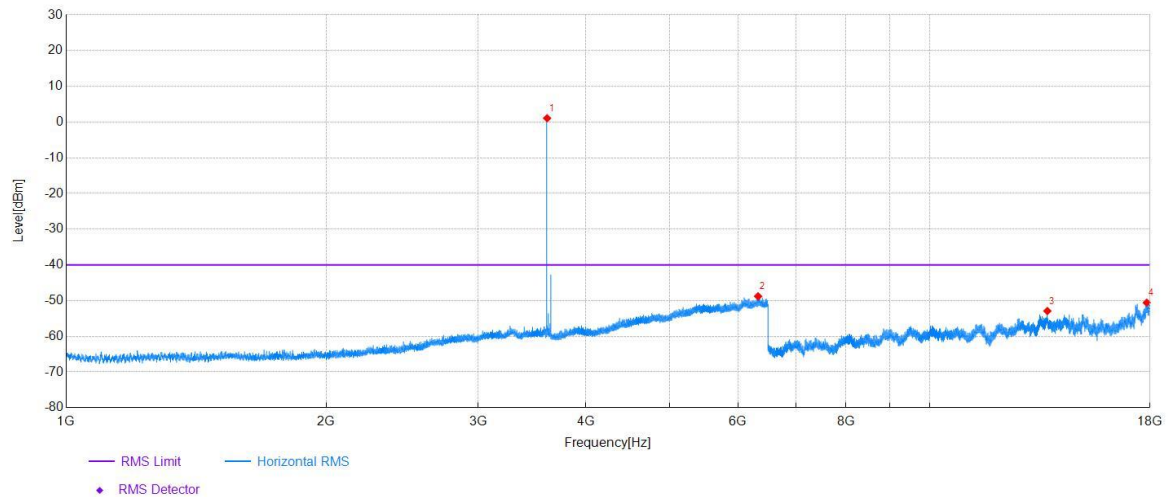
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 2545.90     | 103.29         | -82.69      | 20.60       | -           | -           | Vertical | NA      |
| 2   | 2969.30     | 35.88          | -79.93      | -44.05      | -25.00      | 19.05       | Vertical | PASS    |
| 3   | 14323.00    | 32.50          | -86.57      | -54.07      | -25.00      | 29.07       | Vertical | PASS    |
| 4   | 17869.50    | 30.81          | -82.69      | -51.88      | -25.00      | 26.88       | Vertical | PASS    |

## Project Information

|            |                 |           |           |
|------------|-----------------|-----------|-----------|
| Mode:      | NR SA           | Band:     | n48       |
| Bandwidth: | 40MHz           | Channel:  | Mid       |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo |
| Remark:    | -               |           |           |

## Test Graph



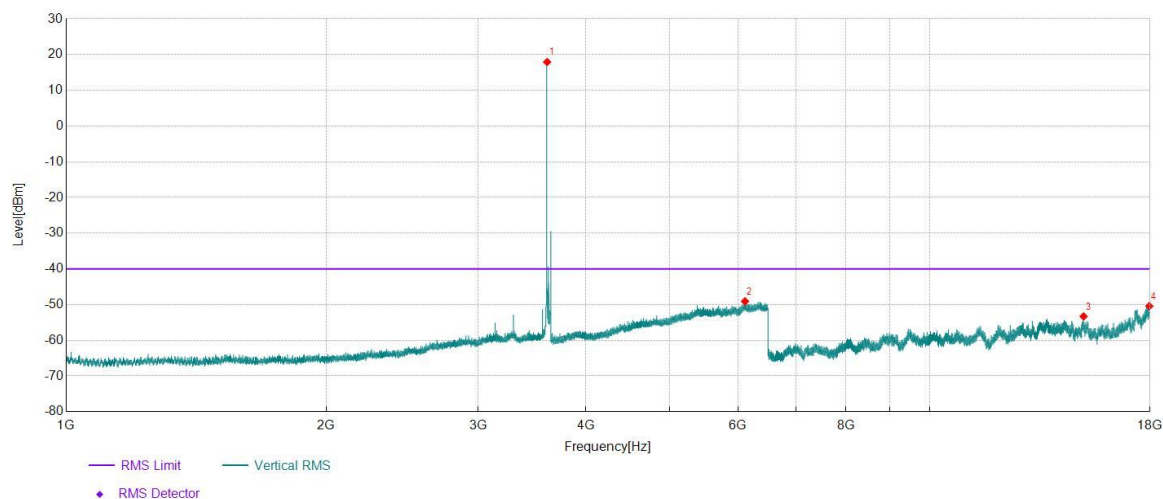
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 3606.18     | 89.74          | -88.67      | 1.07        | -           | -           | Horizontal | NA      |
| 2   | 6328.68     | 31.35          | -80.15      | -48.80      | -40.00      | 8.80        | Horizontal | PASS    |
| 3   | 13688.89    | 33.00          | -85.92      | -52.92      | -40.00      | 12.92       | Horizontal | PASS    |
| 4   | 17842.83    | 30.99          | -81.57      | -50.58      | -40.00      | 10.58       | Horizontal | PASS    |

## Project Information

|            |                 |           |           |
|------------|-----------------|-----------|-----------|
| Mode:      | NR SA           | Band:     | n48       |
| Bandwidth: | 40MHz           | Channel:  | Mid       |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo |
| Remark:    | -               |           |           |

## Test Graph



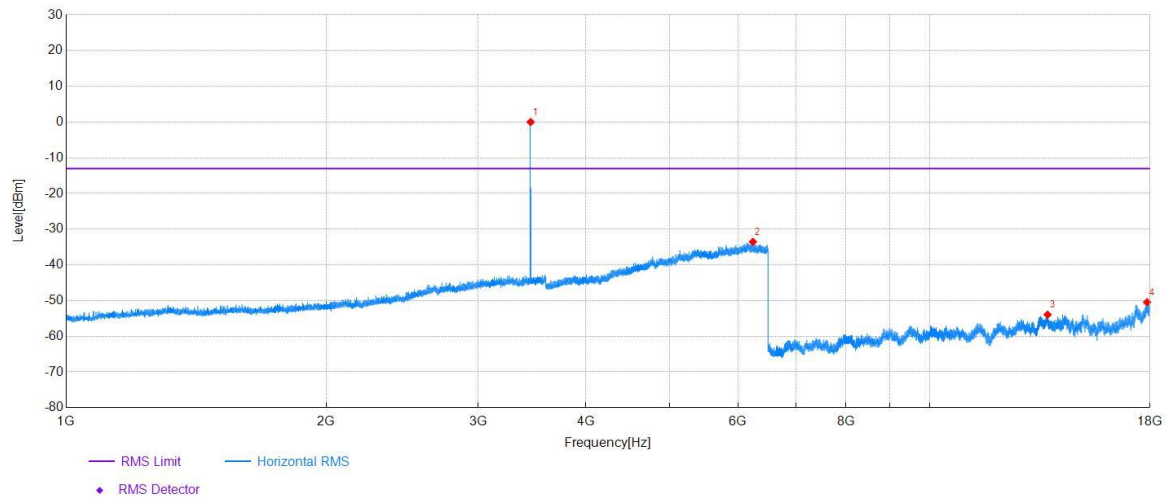
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 3605.90     | 106.62         | -88.67      | 17.95       | -           | -           | Vertical | NA      |
| 2   | 6111.98     | 31.64          | -80.73      | -49.09      | -40.00      | 9.09        | Vertical | PASS    |
| 3   | 15078.14    | 32.83          | -86.15      | -53.32      | -40.00      | 13.32       | Vertical | PASS    |
| 4   | 17965.12    | 31.55          | -81.97      | -50.42      | -40.00      | 10.42       | Vertical | PASS    |

## Project Information

|            |                 |           |                   |
|------------|-----------------|-----------|-------------------|
| Mode:      | NR SA           | Band:     | n77(3450-3550MHz) |
| Bandwidth: | 100MHz          | Channel:  | Mid               |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo         |
| Remark:    | -               |           |                   |

## Test Graph



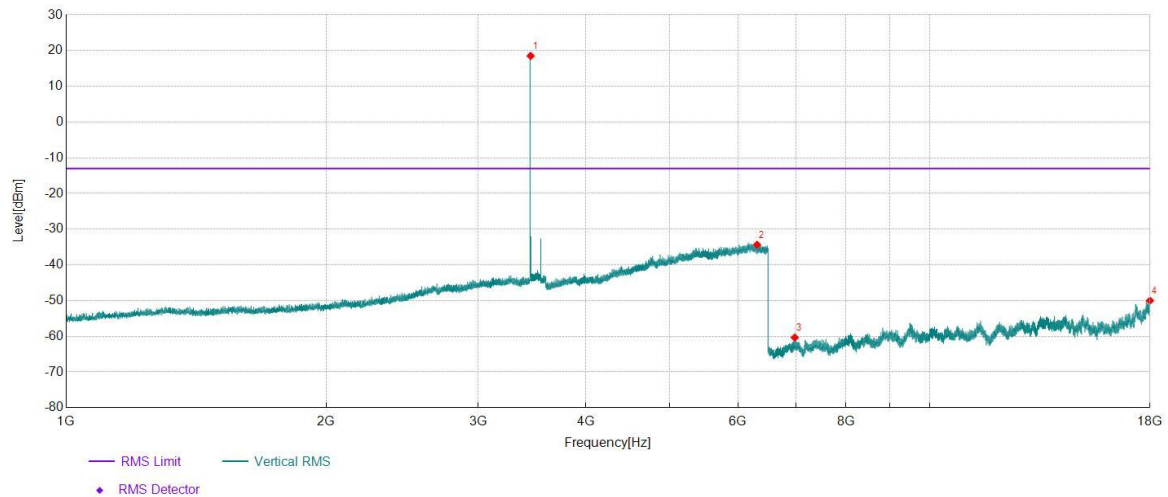
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 3451.08     | 78.44          | -78.42      | 0.02        | -           | -           | Horizontal | NA      |
| 2   | 6242.33     | 36.71          | -70.25      | -33.54      | -13.00      | 20.54       | Horizontal | PASS    |
| 3   | 13697.47    | 31.92          | -85.86      | -53.94      | -13.00      | 40.94       | Horizontal | PASS    |
| 4   | 17858.93    | 30.90          | -81.38      | -50.48      | -13.00      | 37.48       | Horizontal | PASS    |

## Project Information

|            |                 |           |                   |
|------------|-----------------|-----------|-------------------|
| Mode:      | NR SA           | Band:     | n77(3450-3550MHz) |
| Bandwidth: | 100MHz          | Channel:  | Mid               |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo         |
| Remark:    | -               |           |                   |

## Test Graph



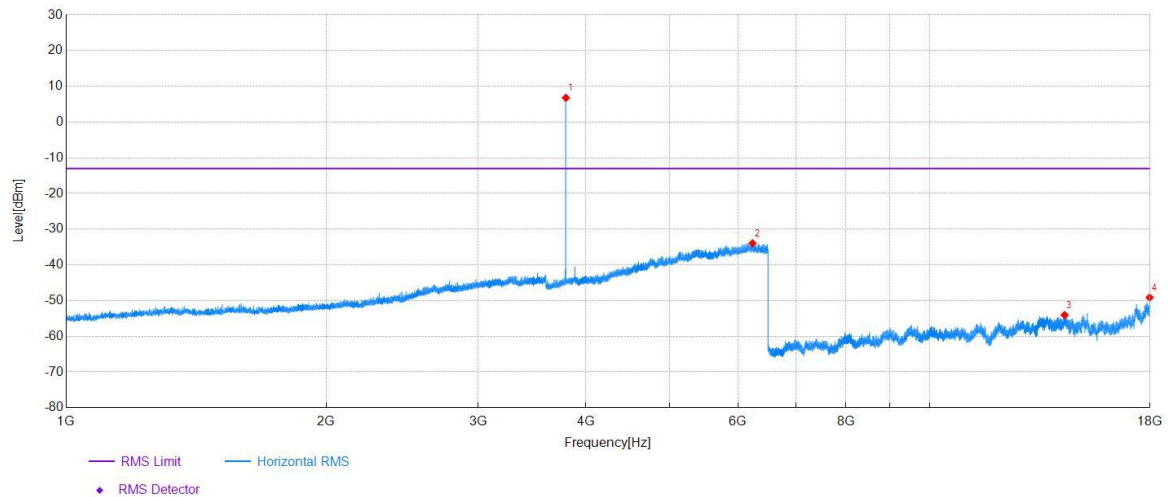
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 3451.08     | 96.94          | -78.42      | 18.52       | -           | -           | Vertical | NA      |
| 2   | 6311.90     | 35.82          | -70.19      | -34.37      | -13.00      | 21.37       | Vertical | PASS    |
| 3   | 6979.55     | 36.80          | -97.16      | -60.36      | -13.00      | 47.36       | Vertical | PASS    |
| 4   | 17998.47    | 31.48          | -81.50      | -50.02      | -13.00      | 37.02       | Vertical | PASS    |

## Project Information

|            |                 |           |                   |
|------------|-----------------|-----------|-------------------|
| Mode:      | NR SA           | Band:     | n77(3700-3980MHz) |
| Bandwidth: | 100MHz          | Channel:  | Mid               |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo         |
| Remark:    | -               |           |                   |

## Test Graph



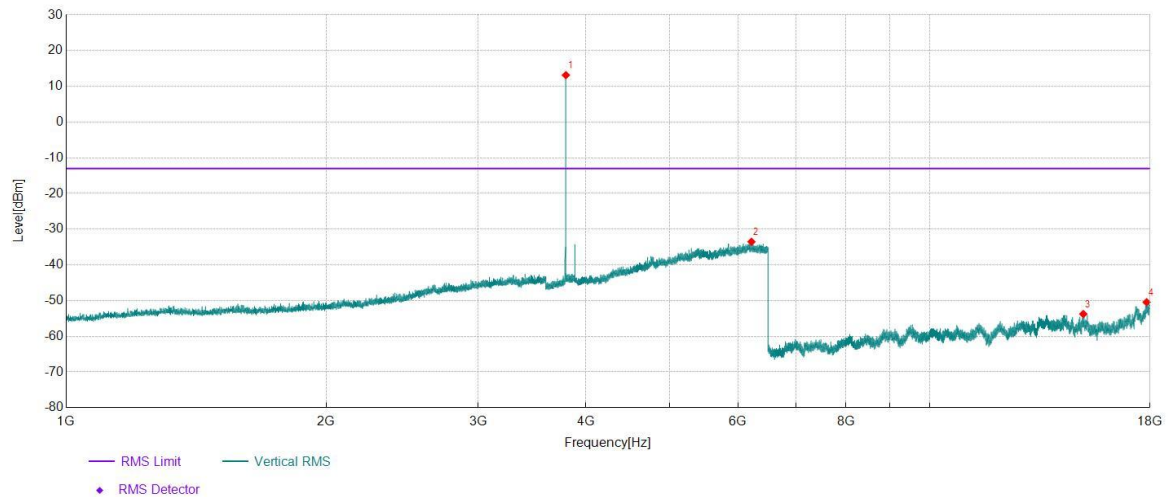
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 3790.98     | 84.52          | -77.73      | 6.79        | -           | -           | Horizontal | NA      |
| 2   | 6236.00     | 36.17          | -70.13      | -33.96      | -13.00      | 20.96       | Horizontal | PASS    |
| 3   | 14334.18    | 32.31          | -86.36      | -54.05      | -13.00      | 41.05       | Horizontal | PASS    |
| 4   | 17985.05    | 32.55          | -81.69      | -49.14      | -13.00      | 36.14       | Horizontal | PASS    |

## Project Information

|            |                 |           |                   |
|------------|-----------------|-----------|-------------------|
| Mode:      | NR SA           | Band:     | n77(3700-3980MHz) |
| Bandwidth: | 100MHz          | Channel:  | Mid               |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo         |
| Remark:    | -               |           |                   |

## Test Graph



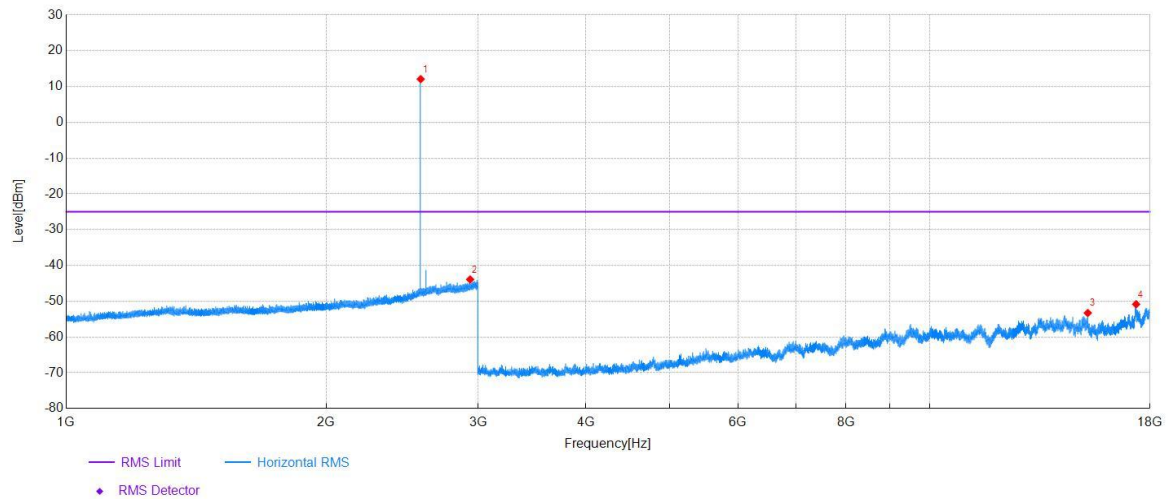
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 3790.98     | 90.87          | -77.73      | 13.14       | -           | -           | Vertical | NA      |
| 2   | 6218.40     | 36.55          | -70.08      | -33.53      | -13.00      | 20.53       | Vertical | PASS    |
| 3   | 15065.58    | 32.33          | -86.10      | -53.77      | -13.00      | 40.77       | Vertical | PASS    |
| 4   | 17837.85    | 31.34          | -81.78      | -50.44      | -13.00      | 37.44       | Vertical | PASS    |

## Test Result for NR SA MIMO

| Project Information |                 |           |           |
|---------------------|-----------------|-----------|-----------|
| Mode:               | SA MIMO         | Band:     | n38       |
| Bandwidth:          | 40MHz           | Channel:  | Mid       |
| IMEI:               | 863109050663678 | Engineer: | Tian Shuo |
| Remark:             | -               |           |           |

## Test Graph

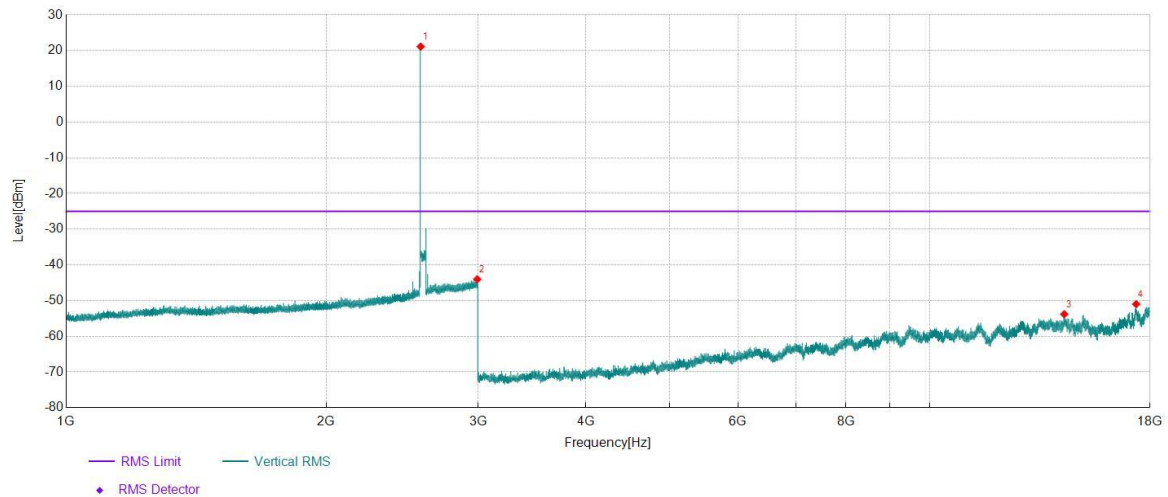


| Data List |             |                |             |             |             |             |            |         |
|-----------|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| NO.       | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
| 1         | 2574.00     | 94.47          | -82.39      | 12.08       | -           | -           | Horizontal | NA      |
| 2         | 2936.60     | 36.24          | -80.17      | -43.93      | -25.00      | 18.93       | Horizontal | PASS    |
| 3         | 15247.50    | 32.67          | -85.97      | -53.30      | -25.00      | 28.30       | Horizontal | PASS    |
| 4         | 17344.00    | 31.83          | -82.68      | -50.85      | -25.00      | 25.85       | Horizontal | PASS    |

## Project Information

|            |                 |           |           |
|------------|-----------------|-----------|-----------|
| Mode:      | SA MIMO         | Band:     | n38       |
| Bandwidth: | 40MHz           | Channel:  | Mid       |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo |
| Remark:    | -               |           |           |

## Test Graph



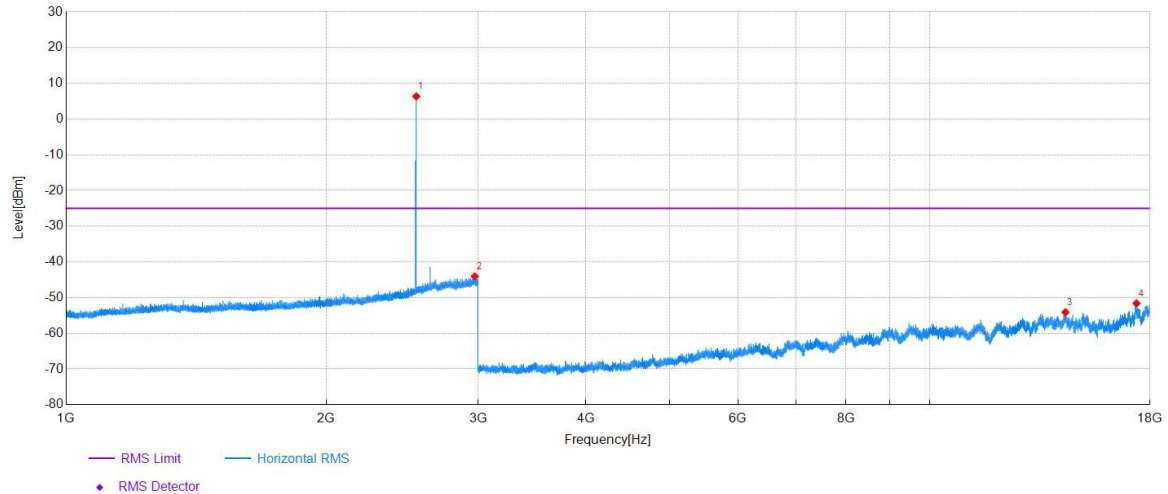
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 2574.10     | 103.53         | -82.39      | 21.14       | -           | -           | Vertical | NA      |
| 2   | 2992.80     | 36.16          | -80.20      | -44.04      | -25.00      | 19.04       | Vertical | PASS    |
| 3   | 14319.00    | 32.86          | -86.67      | -53.81      | -25.00      | 28.81       | Vertical | PASS    |
| 4   | 17346.00    | 31.58          | -82.58      | -51.00      | -25.00      | 26.00       | Vertical | PASS    |

## Project Information

|            |                 |           |           |
|------------|-----------------|-----------|-----------|
| Mode:      | SA MIMO         | Band:     | n41       |
| Bandwidth: | 100MHz          | Channel:  | Mid       |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo |
| Remark:    | -               |           |           |

## Test Graph



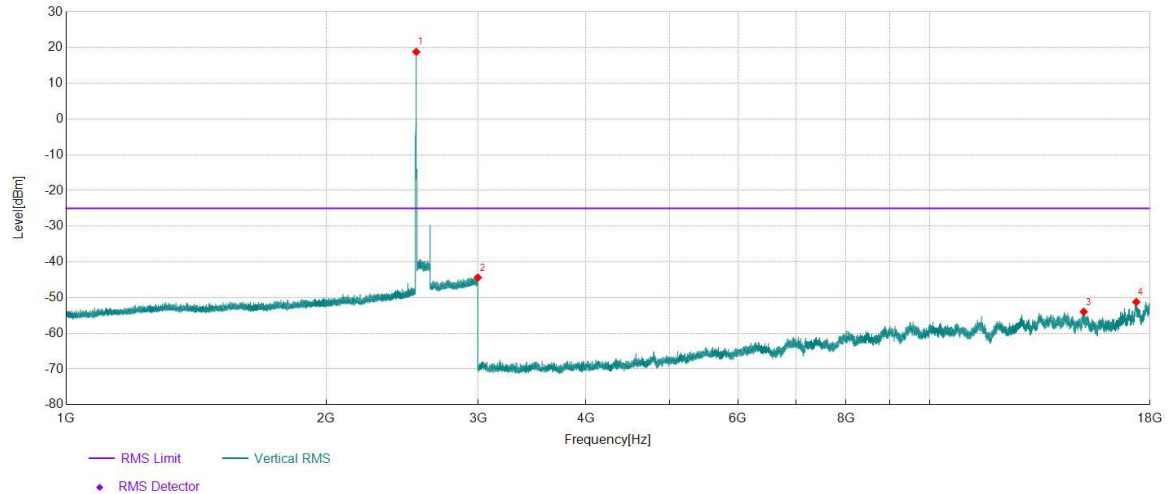
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 2543.90     | 89.08          | -82.73      | 6.35        | -           | -           | Horizontal | NA      |
| 2   | 2973.00     | 35.85          | -79.91      | -44.06      | -25.00      | 19.06       | Horizontal | PASS    |
| 3   | 14364.50    | 32.10          | -86.21      | -54.11      | -25.00      | 29.11       | Horizontal | PASS    |
| 4   | 17361.50    | 31.25          | -82.85      | -51.60      | -25.00      | 26.60       | Horizontal | PASS    |

## Project Information

|            |                 |           |           |
|------------|-----------------|-----------|-----------|
| Mode:      | SA MIMO         | Band:     | n41       |
| Bandwidth: | 100MHz          | Channel:  | Mid       |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo |
| Remark:    | -               |           |           |

## Test Graph



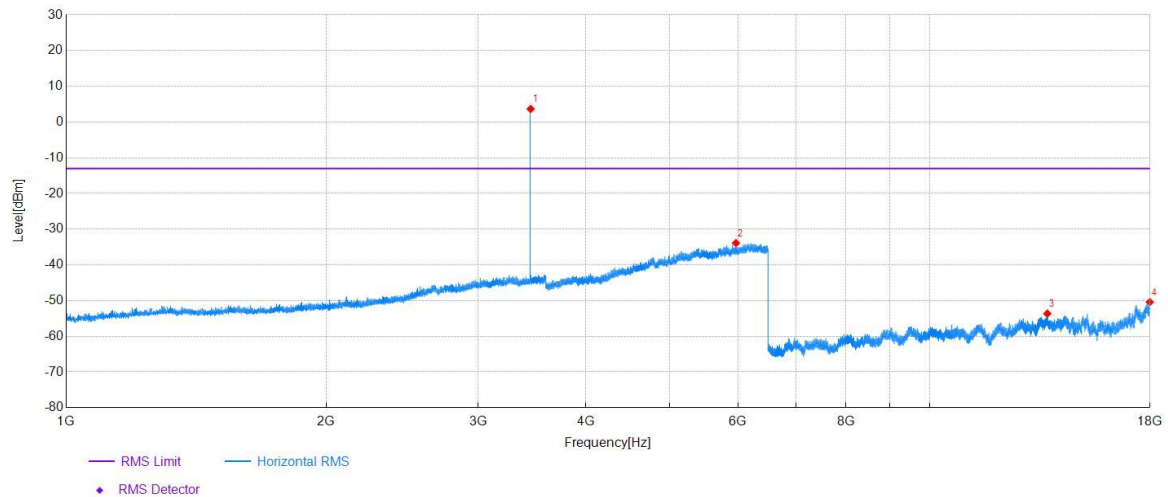
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 2543.80     | 101.55         | -82.73      | 18.82       | -           | -           | Vertical | NA      |
| 2   | 2998.10     | 35.89          | -80.29      | -44.40      | -25.00      | 19.40       | Vertical | PASS    |
| 3   | 15082.00    | 32.28          | -86.26      | -53.98      | -25.00      | 28.98       | Vertical | PASS    |
| 4   | 17351.50    | 31.20          | -82.46      | -51.26      | -25.00      | 26.26       | Vertical | PASS    |

## Project Information

|            |                 |           |                   |
|------------|-----------------|-----------|-------------------|
| Mode:      | SA MIMO         | Band:     | n77(3450-3550MHz) |
| Bandwidth: | 100MHz          | Channel:  | Mid               |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo         |
| Remark:    | -               |           |                   |

## Test Graph



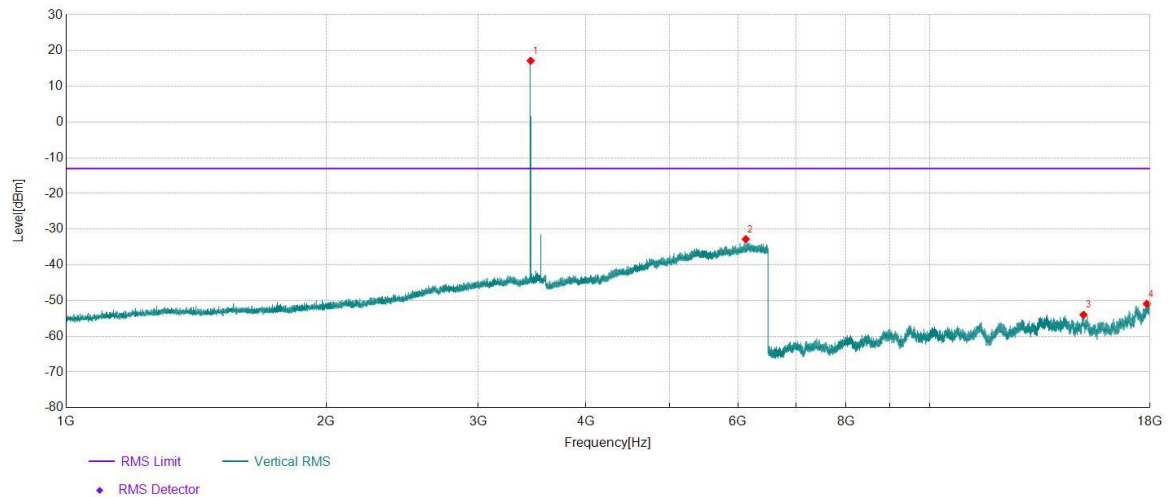
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 3451.08     | 82.10          | -78.42      | 3.68        | -           | -           | Horizontal | NA      |
| 2   | 5966.50     | 36.75          | -70.64      | -33.89      | -13.00      | 20.89       | Horizontal | PASS    |
| 3   | 13685.97    | 32.29          | -85.94      | -53.65      | -13.00      | 40.65       | Horizontal | PASS    |
| 4   | 17990.42    | 31.20          | -81.61      | -50.41      | -13.00      | 37.41       | Horizontal | PASS    |

## Project Information

|            |                 |           |                   |
|------------|-----------------|-----------|-------------------|
| Mode:      | SA MIMO         | Band:     | n77(3450-3550MHz) |
| Bandwidth: | 100MHz          | Channel:  | Mid               |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo         |
| Remark:    | -               |           |                   |

## Test Graph



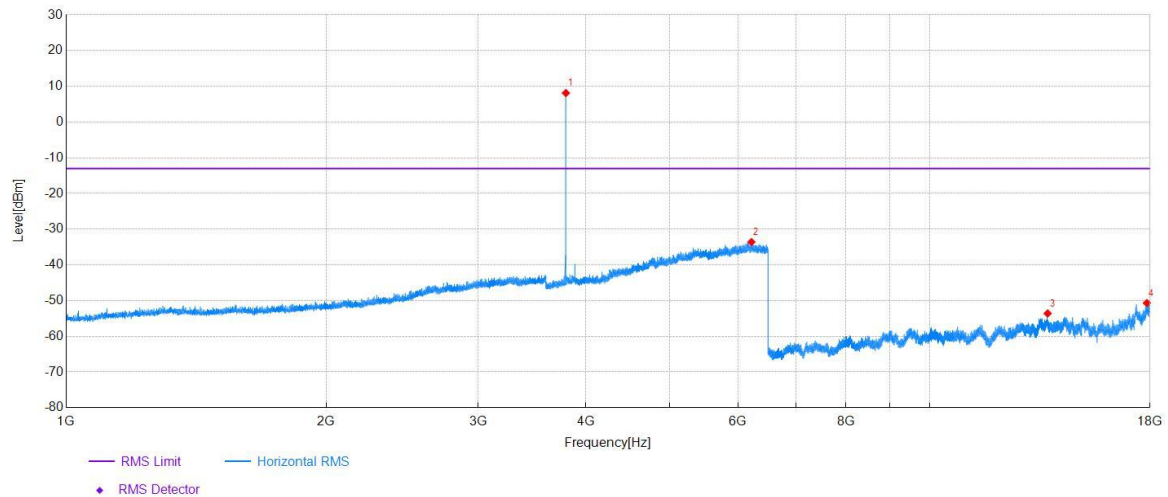
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 3451.08     | 95.58          | -78.42      | 17.16       | -           | -           | Vertical | NA      |
| 2   | 6124.35     | 38.00          | -70.80      | -32.80      | -13.00      | 19.80       | Vertical | PASS    |
| 3   | 15075.55    | 32.17          | -86.14      | -53.97      | -13.00      | 40.97       | Vertical | PASS    |
| 4   | 17847.82    | 30.45          | -81.36      | -50.91      | -13.00      | 37.91       | Vertical | PASS    |

## Project Information

|            |                 |           |                   |
|------------|-----------------|-----------|-------------------|
| Mode:      | SA MIMO         | Band:     | n77(3700-3980MHz) |
| Bandwidth: | 100MHz          | Channel:  | Mid               |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo         |
| Remark:    | -               |           |                   |

## Test Graph



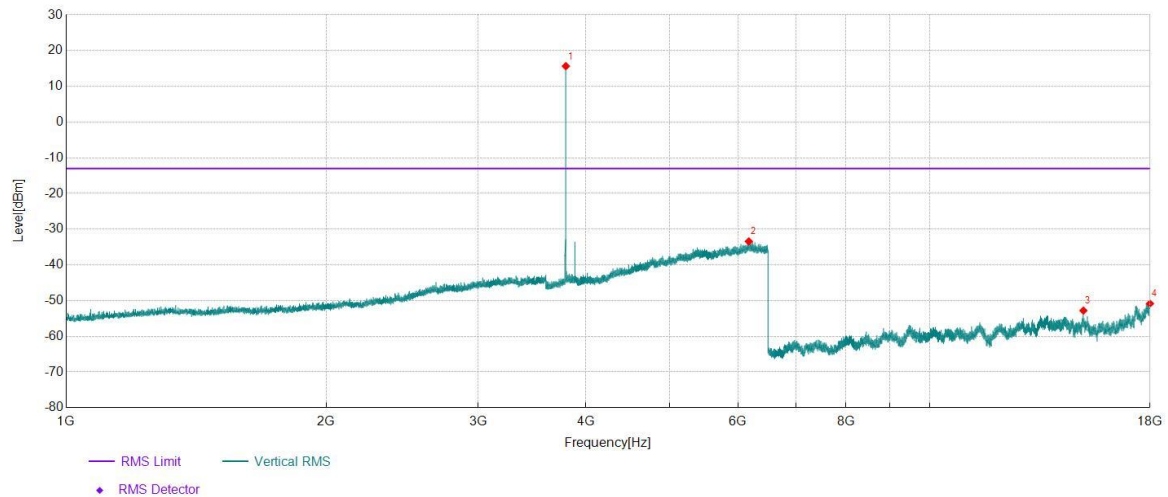
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 3790.98     | 85.86          | -77.73      | 8.13        | -           | -           | Horizontal | NA      |
| 2   | 6218.13     | 36.48          | -70.09      | -33.61      | -13.00      | 20.61       | Horizontal | PASS    |
| 3   | 13699.00    | 32.24          | -85.85      | -53.61      | -13.00      | 40.61       | Horizontal | PASS    |
| 4   | 17848.97    | 30.61          | -81.31      | -50.70      | -13.00      | 37.70       | Horizontal | PASS    |

## Project Information

|            |                 |           |                   |
|------------|-----------------|-----------|-------------------|
| Mode:      | SA MIMO         | Band:     | n77(3700-3980MHz) |
| Bandwidth: | 100MHz          | Channel:  | Mid               |
| IMEI:      | 863109050663678 | Engineer: | Tian Shuo         |
| Remark:    | -               |           |                   |

## Test Graph



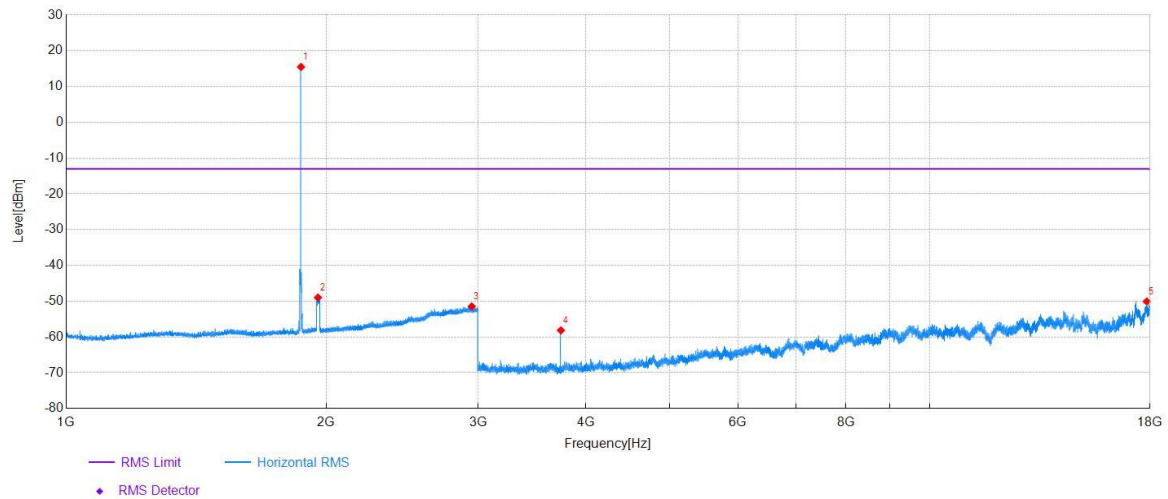
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 3790.98     | 93.39          | -77.73      | 15.66       | -           | -           | Vertical | NA      |
| 2   | 6174.40     | 36.31          | -69.74      | -33.43      | -13.00      | 20.43       | Vertical | PASS    |
| 3   | 15069.42    | 33.30          | -86.11      | -52.81      | -13.00      | 39.81       | Vertical | PASS    |
| 4   | 17998.85    | 30.64          | -81.48      | -50.84      | -13.00      | 37.84       | Vertical | PASS    |

## Test Result for ENDC

| Project Information |                    |           |              |
|---------------------|--------------------|-----------|--------------|
| Mode:               | NSA                | Band:     | EN_DC_5A_n2A |
| Bandwidth:          | LTE 10MHz NR 20MHz | Channel:  | Mid          |
| IMEI:               | 863109050663678    | Engineer: | Tian Shuo    |
| Remark:             | -                  |           |              |

## Test Graph

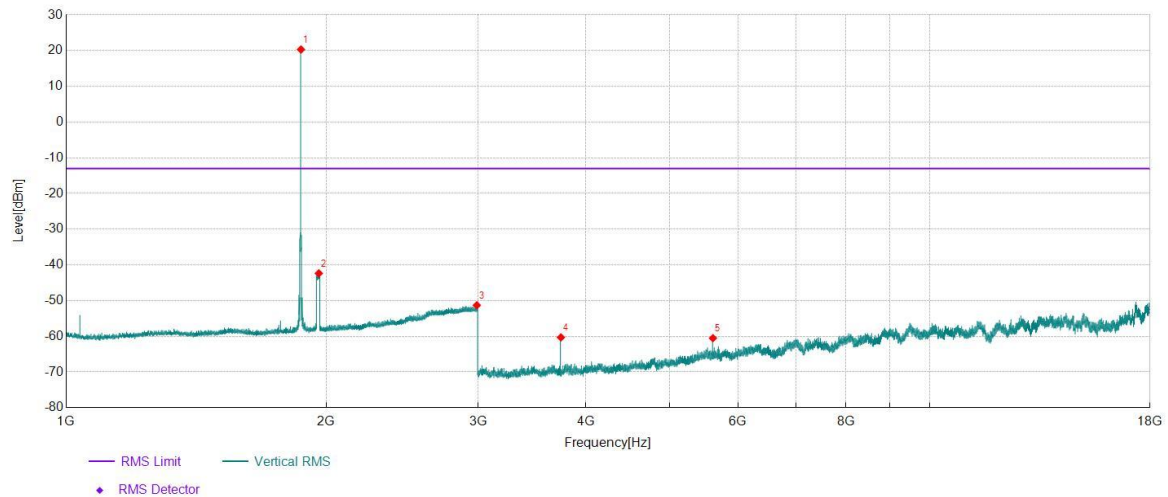


| Data List |             |                |             |             |             |             |            |         |
|-----------|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| NO.       | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
| 1         | 1870.60     | 110.54         | -95.06      | 15.48       | -           | -           | Horizontal | NA      |
| 2         | 1957.20     | 45.60          | -94.59      | -48.99      | -           | -           | Horizontal | NA      |
| 3         | 2949.20     | 38.97          | -90.44      | -51.47      | -13.00      | 38.47       | Horizontal | PASS    |
| 4         | 3741.00     | 49.27          | -107.44     | -58.17      | -13.00      | 45.17       | Horizontal | PASS    |
| 5         | 17842.50    | 32.48          | -82.56      | -50.08      | -13.00      | 37.08       | Horizontal | PASS    |

## Project Information

|            |                    |           |              |
|------------|--------------------|-----------|--------------|
| Mode:      | NSA                | Band:     | EN_DC_5A_n2A |
| Bandwidth: | LTE 10MHz NR 20MHz | Channel:  | Mid          |
| IMEI:      | 863109050663678    | Engineer: | Tian Shuo    |
| Remark:    | -                  |           |              |

## Test Graph



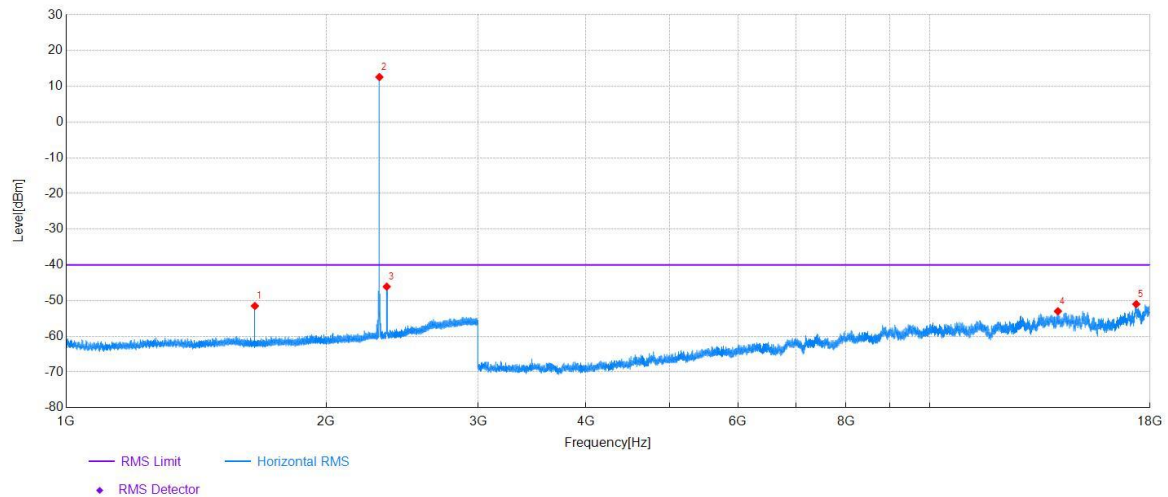
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 1870.60     | 115.38         | -95.06      | 20.32       | -           | -           | Vertical | NA      |
| 2   | 1961.60     | 52.25          | -94.63      | -42.38      | -           | -           | Vertical | NA      |
| 3   | 2989.60     | 39.53          | -90.84      | -51.31      | -13.00      | 38.31       | Vertical | PASS    |
| 4   | 3741.00     | 47.13          | -107.44     | -60.31      | -13.00      | 47.31       | Vertical | PASS    |
| 5   | 5611.50     | 40.68          | -101.21     | -60.53      | -13.00      | 47.53       | Vertical | PASS    |

## Project Information

|            |                    |           |               |
|------------|--------------------|-----------|---------------|
| Mode:      | NSA                | Band:     | EN_DC_30A_n5A |
| Bandwidth: | LTE 10MHz NR 20MHz | Channel:  | Mid           |
| IMEI:      | 863109050663678    | Engineer: | Tian Shuo     |
| Remark:    |                    |           |               |

## Test Graph



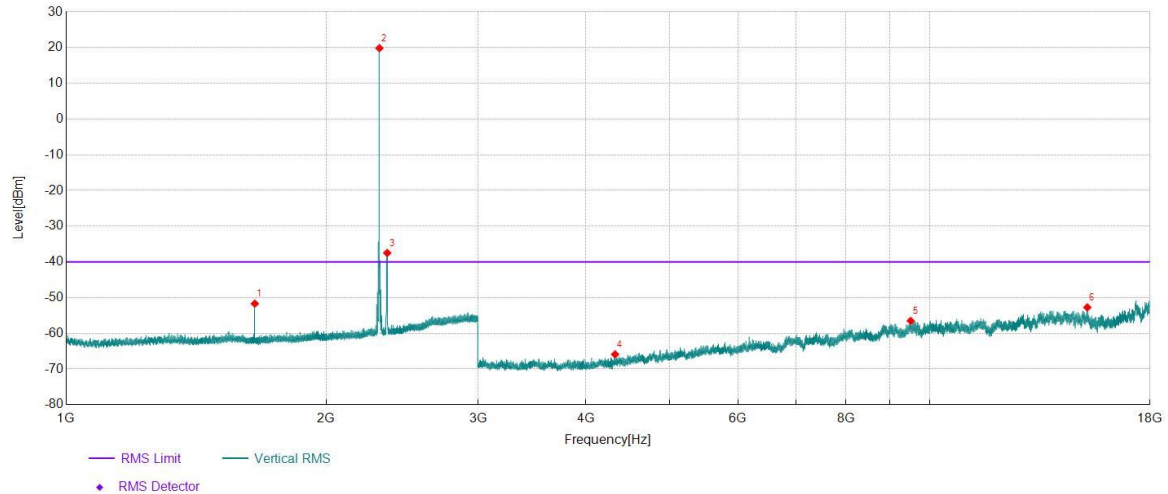
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 1654.10     | 43.78          | -95.29      | -51.51      | -40.00      | 11.51       | Horizontal | PASS    |
| 2   | 2305.50     | 106.80         | -94.19      | 12.61       | -           | -           | Horizontal | NA      |
| 3   | 2351.00     | 47.71          | -93.81      | -46.10      | -           | -           | Horizontal | NA      |
| 4   | 14080.00    | 34.21          | -87.20      | -52.99      | -40.00      | 12.99       | Horizontal | PASS    |
| 5   | 17350.00    | 31.41          | -82.40      | -50.99      | -40.00      | 10.99       | Horizontal | PASS    |

## Project Information

|            |                    |           |               |
|------------|--------------------|-----------|---------------|
| Mode:      | NSA                | Band:     | EN_DC_30A_n5A |
| Bandwidth: | LTE 10MHz NR 20MHz | Channel:  | Mid           |
| IMEI:      | 863109050663678    | Engineer: | Tian Shuo     |
| Remark:    |                    |           |               |

## Test Graph



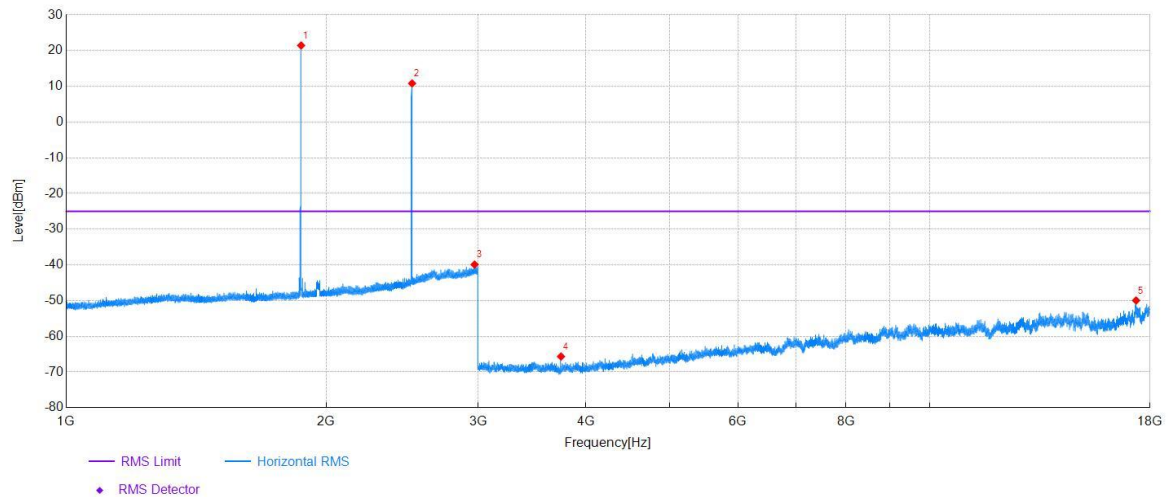
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 1654.00     | 43.59          | -95.29      | -51.70      | -           | -           | Vertical | NA      |
| 2   | 2305.70     | 114.05         | -94.19      | 19.86       | -           | -           | Vertical | NA      |
| 3   | 2354.10     | 56.31          | -93.81      | -37.50      | -           | -           | Vertical | NA      |
| 4   | 4322.50     | 39.02          | -104.93     | -65.91      | -40.00      | 25.91       | Vertical | PASS    |
| 5   | 9508.00     | 36.08          | -92.61      | -56.53      | -40.00      | 16.53       | Vertical | PASS    |
| 6   | 15227.50    | 33.69          | -86.44      | -52.75      | -40.00      | 12.75       | Vertical | PASS    |

## Project Information

|            |                    |           |              |
|------------|--------------------|-----------|--------------|
| Mode:      | NSA                | Band:     | EN_DC_2A_n7A |
| Bandwidth: | LTE 20MHz NR 40MHz | Channel:  | Mid          |
| IMEI:      | 863109050663678    | Engineer: | Tian Shuo    |
| Remark:    |                    |           |              |

## Test Graph



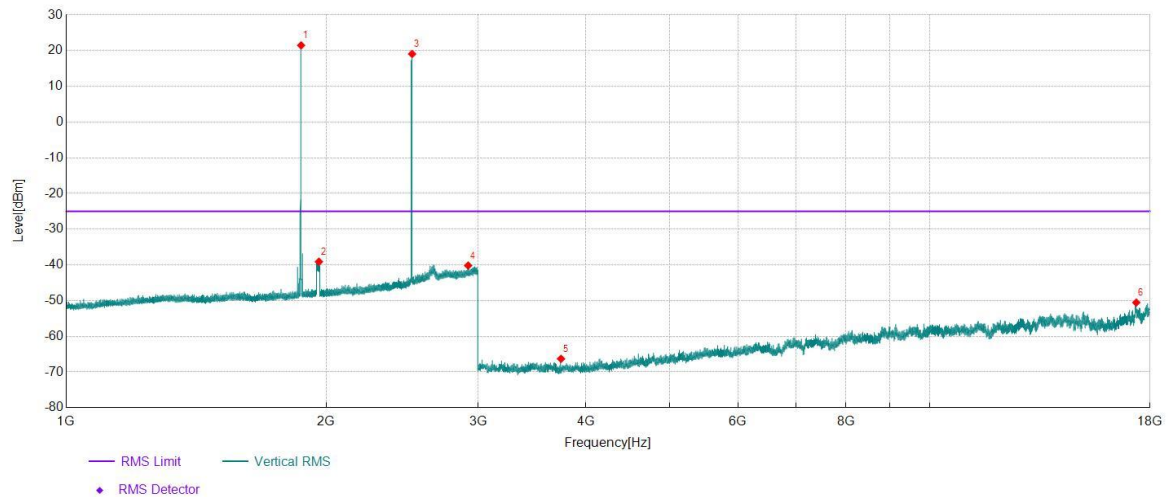
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 1871.10     | 106.43         | -84.97      | 21.46       | -           | -           | Horizontal | NA      |
| 2   | 2515.60     | 93.91          | -83.08      | 10.83       | -           | -           | Horizontal | NA      |
| 3   | 2971.70     | 40.00          | -79.91      | -39.91      | -25.00      | 14.91       | Horizontal | PASS    |
| 4   | 3742.00     | 41.76          | -107.43     | -65.67      | -25.00      | 40.67       | Horizontal | PASS    |
| 5   | 17344.50    | 32.69          | -82.66      | -49.97      | -25.00      | 24.97       | Horizontal | PASS    |

## Project Information

|            |                    |           |              |
|------------|--------------------|-----------|--------------|
| Mode:      | NSA                | Band:     | EN_DC_2A_n7A |
| Bandwidth: | LTE 20MHz NR 40MHz | Channel:  | Mid          |
| IMEI:      | 863109050663678    | Engineer: | Tian Shuo    |
| Remark:    |                    |           |              |

## Test Graph



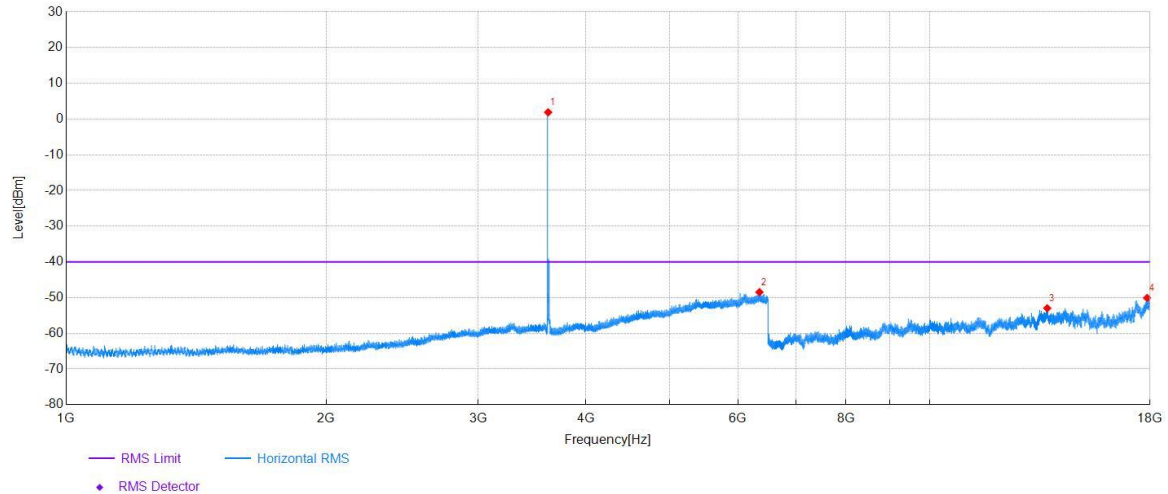
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 1871.10     | 106.46         | -84.97      | 21.49       | -           | -           | Vertical | NA      |
| 2   | 1962.10     | 45.68          | -84.79      | -39.11      | -           | -           | Vertical | NA      |
| 3   | 2515.70     | 102.16         | -83.08      | 19.08       | -           | -           | Vertical | NA      |
| 4   | 2921.30     | 40.17          | -80.35      | -40.18      | -25.00      | 15.18       | Vertical | PASS    |
| 5   | 3742.00     | 41.12          | -107.43     | -66.31      | -25.00      | 41.31       | Vertical | PASS    |
| 6   | 17351.50    | 31.91          | -82.46      | -50.55      | -25.00      | 25.55       | Vertical | PASS    |

## Project Information

|            |                    |           |                |
|------------|--------------------|-----------|----------------|
| Mode:      | NSA                | Band:     | EN_DC_48A_n12A |
| Bandwidth: | LTE 20MHz NR 10MHz | Channel:  | Mid            |
| IMEI:      | 863109050663678    | Engineer: | Tian Shuo      |
| Remark:    |                    |           |                |

## Test Graph



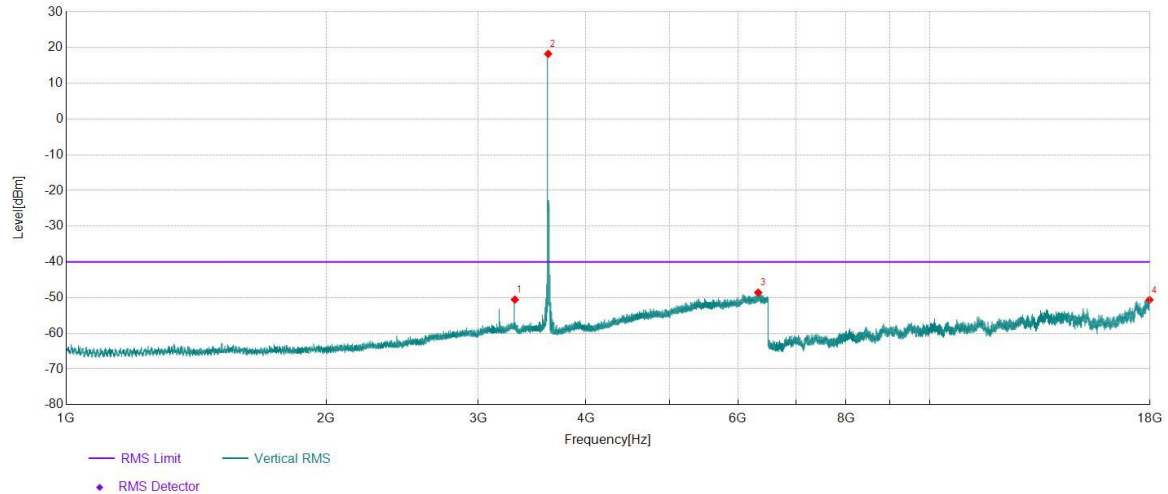
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 3616.08     | 90.53          | -88.64      | 1.89        | -           | -           | Horizontal | NA      |
| 2   | 6352.33     | 31.41          | -79.89      | -48.48      | -40.00      | 8.48        | Horizontal | PASS    |
| 3   | 13685.06    | 32.96          | -85.94      | -52.98      | -40.00      | 12.98       | Horizontal | PASS    |
| 4   | 17859.70    | 31.30          | -81.40      | -50.10      | -40.00      | 10.10       | Horizontal | PASS    |

## Project Information

|            |                    |           |                |
|------------|--------------------|-----------|----------------|
| Mode:      | NSA                | Band:     | EN_DC_48A_n12A |
| Bandwidth: | LTE 20MHz NR 10MHz | Channel:  | Mid            |
| IMEI:      | 863109050663678    | Engineer: | Tian Shuo      |
| Remark:    |                    |           |                |

## Test Graph



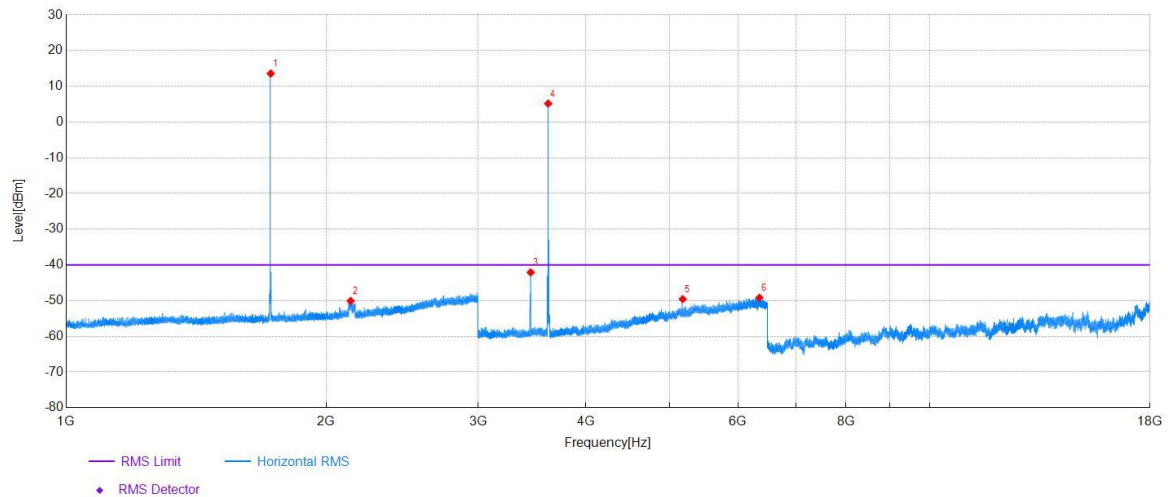
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 3308.90     | 38.55          | -89.11      | -50.56      | -40.00      | 10.56       | Vertical | PASS    |
| 2   | 3616.08     | 106.89         | -88.64      | 18.25       | -           | -           | Vertical | NA      |
| 3   | 6330.88     | 31.52          | -80.12      | -48.60      | -40.00      | 8.60        | Vertical | PASS    |
| 4   | 17979.30    | 31.13          | -81.77      | -50.64      | -40.00      | 10.64       | Vertical | PASS    |

## Project Information

|            |                    |           |                |
|------------|--------------------|-----------|----------------|
| Mode:      | NSA                | Band:     | EN_DC_48A_n66A |
| Bandwidth: | LTE 20MHz NR 40MHz | Channel:  | Mid            |
| IMEI:      | 863109050663678    | Engineer: | Tian Shuo      |
| Remark:    |                    |           |                |

## Test Graph



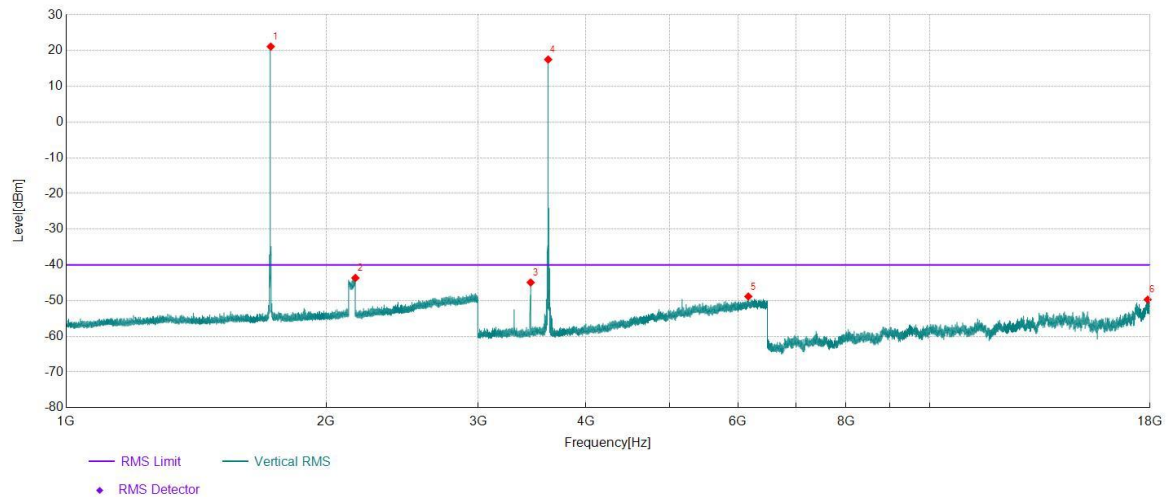
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 1725.60     | 98.85          | -85.27      | 13.58       | -           | -           | Horizontal | NA      |
| 2   | 2135.60     | 34.45          | -84.54      | -50.09      | -           | -           | Horizontal | NA      |
| 3   | 3451.33     | 46.65          | -88.75      | -42.10      | -40.00      | 2.10        | Horizontal | PASS    |
| 4   | 3616.00     | 93.65          | -88.47      | 5.18        | -           | -           | Horizontal | NA      |
| 5   | 5177.00     | 33.29          | -82.88      | -49.59      | -40.00      | 9.59        | Horizontal | PASS    |
| 6   | 6351.60     | 31.28          | -80.49      | -49.21      | -40.00      | 9.21        | Horizontal | PASS    |

## Project Information

|            |                    |           |                |
|------------|--------------------|-----------|----------------|
| Mode:      | NSA                | Band:     | EN_DC_48A_n66A |
| Bandwidth: | LTE 20MHz NR 40MHz | Channel:  | Mid            |
| IMEI:      | 863109050663678    | Engineer: | Tian Shuo      |
| Remark:    |                    |           |                |

## Test Graph



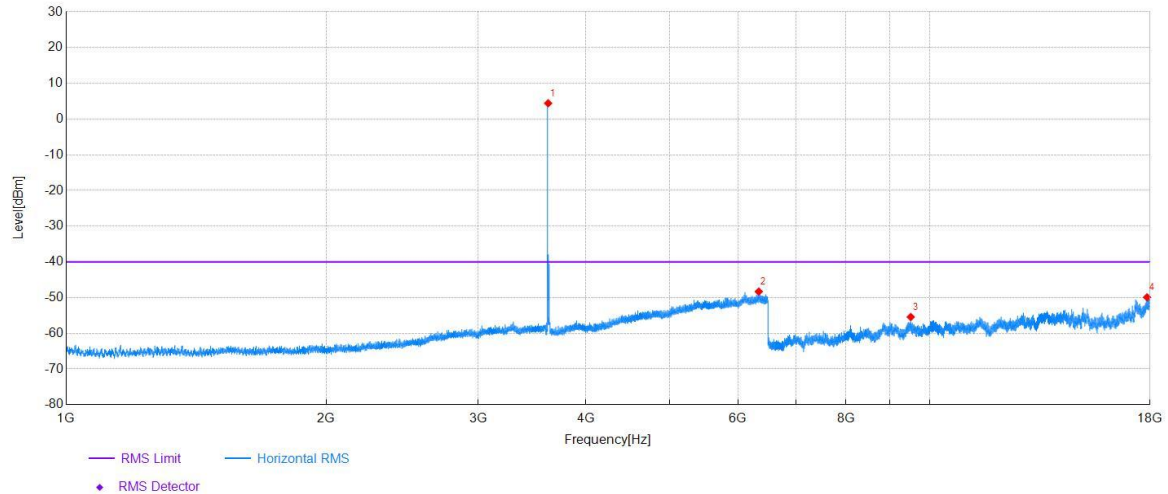
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 1725.60     | 106.41         | -85.27      | 21.14       | -           | -           | Vertical | NA      |
| 2   | 2162.80     | 40.83          | -84.49      | -43.66      | -           | -           | Vertical | NA      |
| 3   | 3451.15     | 43.82          | -88.75      | -44.93      | -40.00      | 4.93        | Vertical | PASS    |
| 4   | 3616.18     | 105.99         | -88.47      | 17.52       | -           | -           | Vertical | NA      |
| 5   | 6166.80     | 32.21          | -81.06      | -48.85      | -40.00      | 8.85        | Vertical | PASS    |
| 6   | 17888.45    | 32.04          | -81.77      | -49.73      | -40.00      | 9.73        | Vertical | PASS    |

## Project Information

|            |                    |           |                |
|------------|--------------------|-----------|----------------|
| Mode:      | NSA                | Band:     | EN_DC_48A_n71A |
| Bandwidth: | LTE 20MHz NR 20MHz | Channel:  | Mid            |
| IMEI:      | 863109050663678    | Engineer: | Tian Shuo      |
| Remark:    |                    |           |                |

## Test Graph



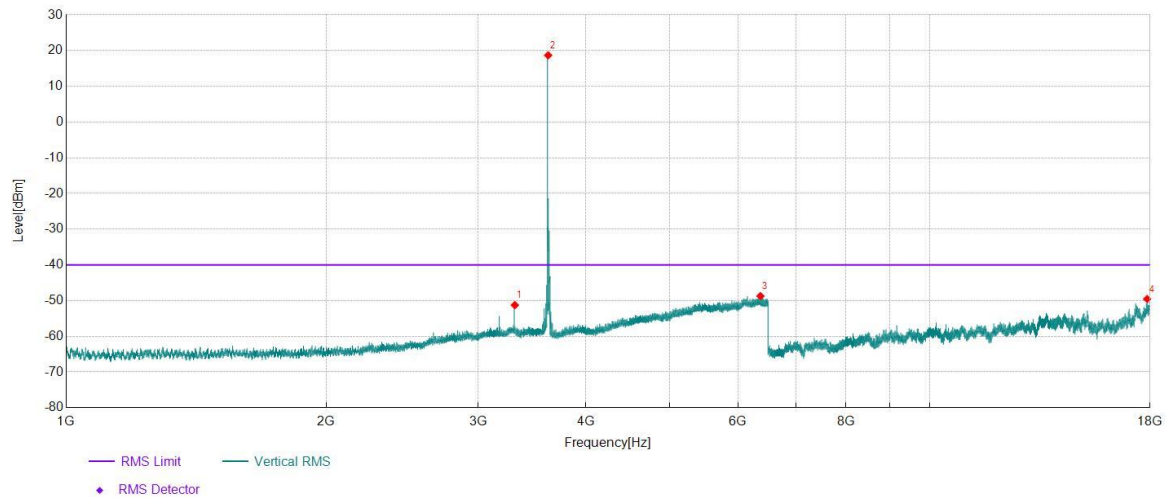
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 3616.08     | 93.06          | -88.64      | 4.42        | -           | -           | Horizontal | NA      |
| 2   | 6340.50     | 31.67          | -79.99      | -48.32      | -40.00      | 8.32        | Horizontal | PASS    |
| 3   | 9508.88     | 37.12          | -92.56      | -55.44      | -40.00      | 15.44       | Horizontal | PASS    |
| 4   | 17858.16    | 31.45          | -81.37      | -49.92      | -40.00      | 9.92        | Horizontal | PASS    |

## Project Information

|            |                    |           |                |
|------------|--------------------|-----------|----------------|
| Mode:      | NSA                | Band:     | EN_DC_48A_n71A |
| Bandwidth: | LTE 20MHz NR 20MHz | Channel:  | Mid            |
| IMEI:      | 863109050663678    | Engineer: | Tian Shuo      |
| Remark:    |                    |           |                |

## Test Graph



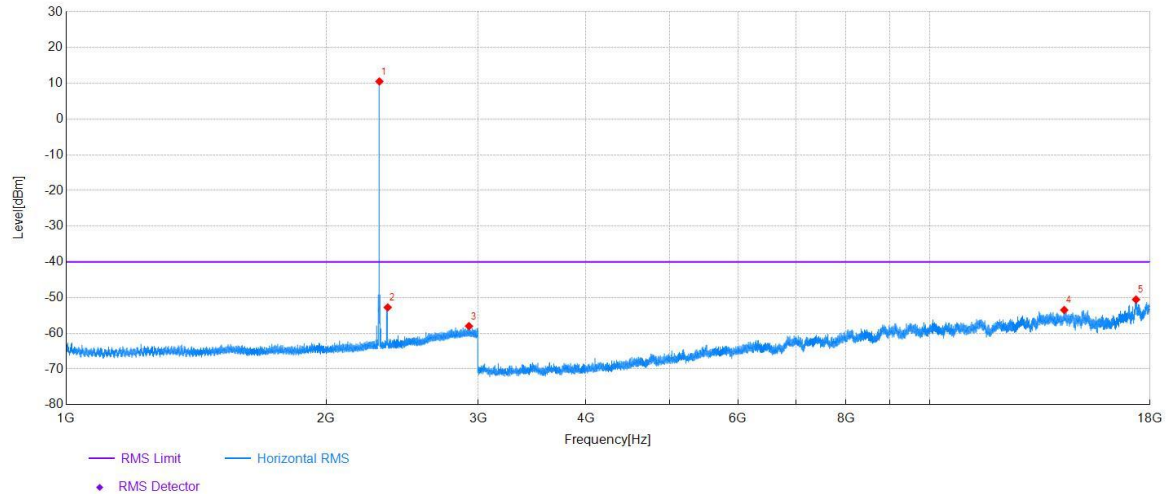
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 3308.63     | 37.84          | -89.11      | -51.27      | -40.00      | 11.27       | Vertical | PASS    |
| 2   | 3616.08     | 107.34         | -88.64      | 18.70       | -           | -           | Vertical | NA      |
| 3   | 6368.55     | 31.32          | -80.07      | -48.75      | -40.00      | 8.75        | Vertical | PASS    |
| 4   | 17862.00    | 31.88          | -81.43      | -49.55      | -40.00      | 9.55        | Vertical | PASS    |

## Project Information

|            |                    |           |                |
|------------|--------------------|-----------|----------------|
| Mode:      | NSA                | Band:     | EN_DC_30A_n14A |
| Bandwidth: | LTE 10MHz NR 10MHz | Channel:  | Mid            |
| IMEI:      | 863109050663678    | Engineer: | Tian Shuo      |
| Remark:    |                    |           |                |

## Test Graph



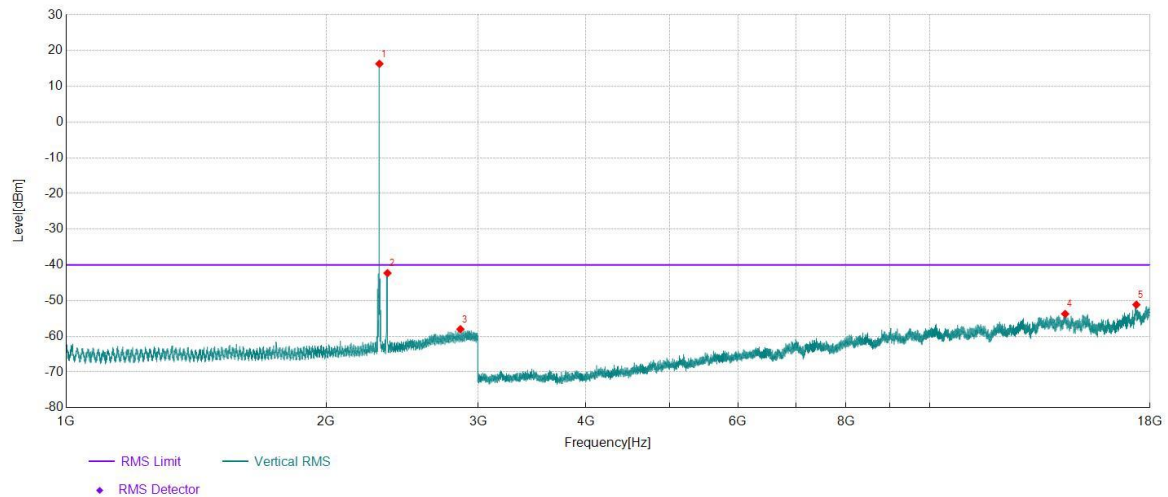
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 2305.50     | 104.73         | -94.19      | 10.54       | -           | -           | Horizontal | NA      |
| 2   | 2357.10     | 41.06          | -93.82      | -52.76      | -           | -           | Horizontal | NA      |
| 3   | 2927.50     | 32.47          | -90.47      | -58.00      | -40.00      | 18.00       | Horizontal | PASS    |
| 4   | 14319.50    | 33.18          | -86.66      | -53.48      | -40.00      | 13.48       | Horizontal | PASS    |
| 5   | 17340.00    | 32.32          | -82.86      | -50.54      | -40.00      | 10.54       | Horizontal | PASS    |

## Project Information

|            |                    |           |                |
|------------|--------------------|-----------|----------------|
| Mode:      | NSA                | Band:     | EN_DC_30A_n14A |
| Bandwidth: | LTE 10MHz NR 10MHz | Channel:  | Mid            |
| IMEI:      | 863109050663678    | Engineer: | Tian Shuo      |
| Remark:    |                    |           |                |

## Test Graph



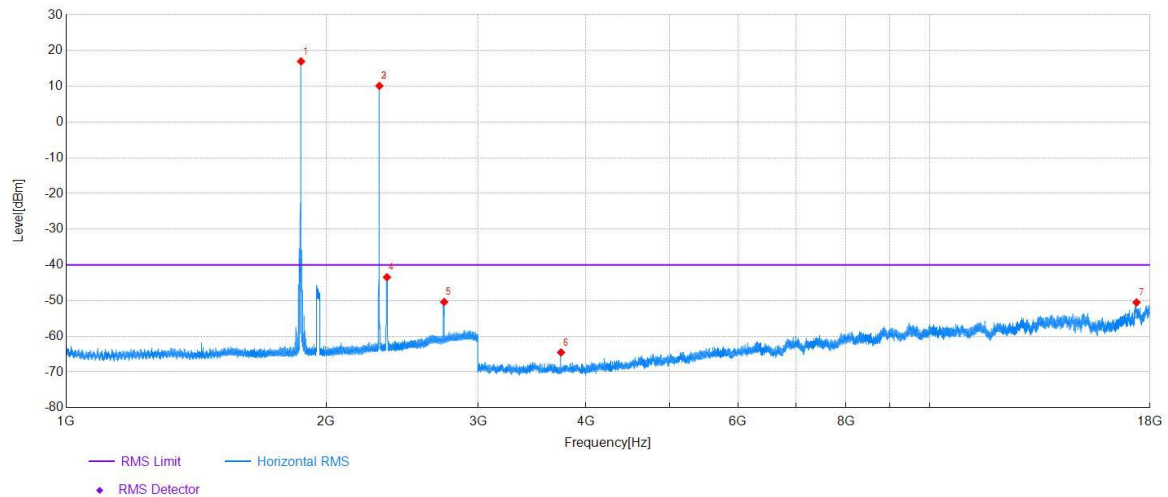
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 2305.60     | 110.50         | -94.19      | 16.31       | -           | -           | Vertical | NA      |
| 2   | 2355.80     | 51.52          | -93.82      | -42.30      | -           | -           | Vertical | NA      |
| 3   | 2861.40     | 32.75          | -90.76      | -58.01      | -40.00      | 18.01       | Vertical | PASS    |
| 4   | 14355.00    | 32.28          | -86.01      | -53.73      | -40.00      | 13.73       | Vertical | PASS    |
| 5   | 17355.50    | 31.46          | -82.61      | -51.15      | -40.00      | 11.15       | Vertical | PASS    |

## Project Information

|            |                    |           |               |
|------------|--------------------|-----------|---------------|
| Mode:      | NSA                | Band:     | EN_DC_2A_n30A |
| Bandwidth: | LTE 20MHz NR 10MHz | Channel:  | Mid           |
| IMEI:      | 863109050663678    | Engineer: | Tian Shuo     |
| Remark:    |                    |           |               |

## Test Graph



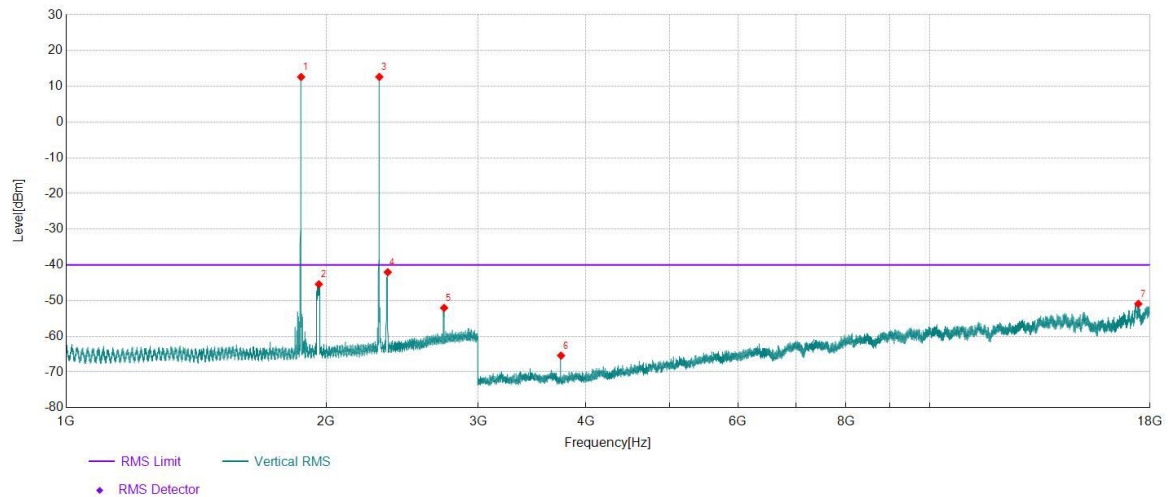
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 1871.10     | 112.06         | -95.06      | 17.00       | -           | -           | Horizontal | NA      |
| 2   | 2305.30     | 104.33         | -94.19      | 10.14       | -           | -           | Horizontal | NA      |
| 3   | 2305.30     | 104.33         | -94.19      | 10.14       | -           | -           | Horizontal | NA      |
| 4   | 2352.50     | 50.36          | -93.81      | -43.45      | -           | -           | Horizontal | NA      |
| 5   | 2740.00     | 41.45          | -91.83      | -50.38      | -40.00      | 10.38       | Horizontal | PASS    |
| 6   | 3742.50     | 42.89          | -107.43     | -64.54      | -40.00      | 24.54       | Horizontal | PASS    |
| 7   | 17363.50    | 32.41          | -82.93      | -50.52      | -40.00      | 10.52       | Horizontal | PASS    |

## Project Information

|            |                    |           |               |
|------------|--------------------|-----------|---------------|
| Mode:      | NSA                | Band:     | EN_DC_2A_n30A |
| Bandwidth: | LTE 20MHz NR 10MHz | Channel:  | Mid           |
| IMEI:      | 863109050663678    | Engineer: | Tian Shuo     |
| Remark:    |                    |           |               |

## Test Graph



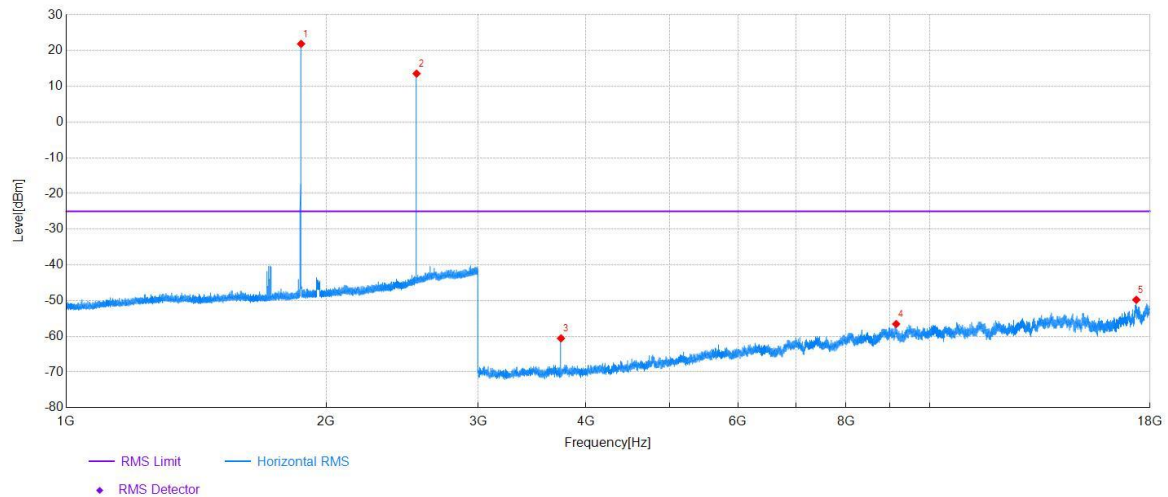
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 1871.20     | 107.70         | -95.06      | 12.64       | -           | -           | Vertical | NA      |
| 2   | 1962.00     | 49.21          | -94.64      | -45.43      | -           | -           | Vertical | NA      |
| 3   | 2305.30     | 106.84         | -94.19      | 12.65       | -           | -           | Vertical | NA      |
| 4   | 2357.70     | 51.76          | -93.81      | -42.05      | -           | -           | Vertical | NA      |
| 5   | 2739.70     | 39.78          | -91.83      | -52.05      | -40.00      | 12.05       | Vertical | PASS    |
| 6   | 3742.50     | 42.02          | -107.43     | -65.41      | -40.00      | 25.41       | Vertical | PASS    |
| 7   | 17449.00    | 32.61          | -83.53      | -50.92      | -40.00      | 10.92       | Vertical | PASS    |

## Project Information

|            |                     |           |               |
|------------|---------------------|-----------|---------------|
| Mode:      | NSA                 | Band:     | EN_DC_2A_n41A |
| Bandwidth: | LTE 20MHz NR 100MHz | Channel:  | Mid           |
| IMEI:      | 863109050663678     | Engineer: | Tian Shuo     |
| Remark:    |                     |           |               |

## Test Graph



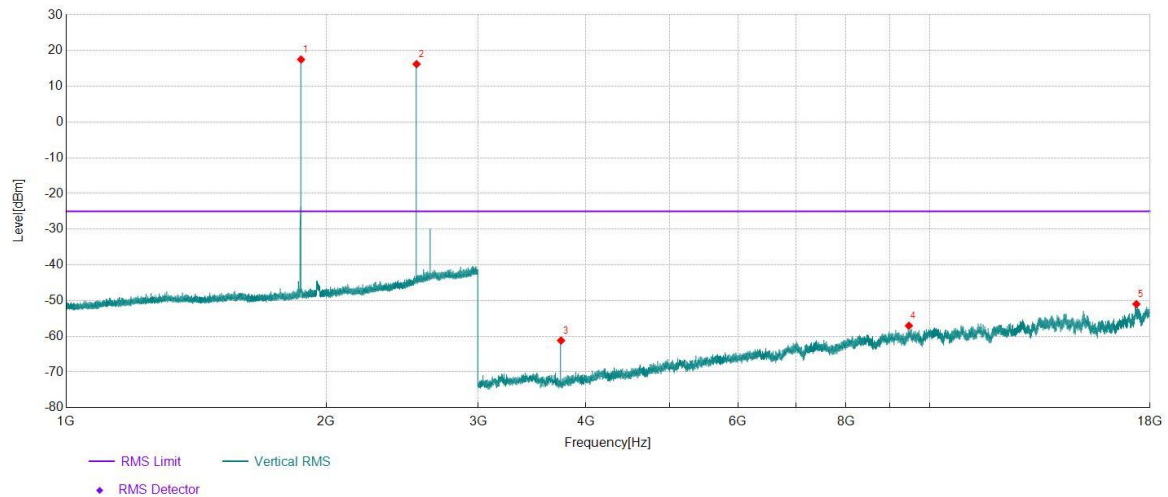
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 1871.10     | 106.87         | -84.97      | 21.90       | -           | -           | Horizontal | NA      |
| 2   | 2546.10     | 96.26          | -82.69      | 13.57       | -           | -           | Horizontal | NA      |
| 3   | 3742.00     | 46.85          | -107.43     | -60.58      | -25.00      | 35.58       | Horizontal | PASS    |
| 4   | 9147.00     | 35.51          | -92.08      | -56.57      | -25.00      | 31.57       | Horizontal | PASS    |
| 5   | 17351.50    | 32.69          | -82.46      | -49.77      | -25.00      | 24.77       | Horizontal | PASS    |

## Project Information

|            |                     |           |               |
|------------|---------------------|-----------|---------------|
| Mode:      | NSA                 | Band:     | EN_DC_2A_n41A |
| Bandwidth: | LTE 20MHz NR 100MHz | Channel:  | Mid           |
| IMEI:      | 863109050663678     | Engineer: | Tian Shuo     |
| Remark:    |                     |           |               |

## Test Graph



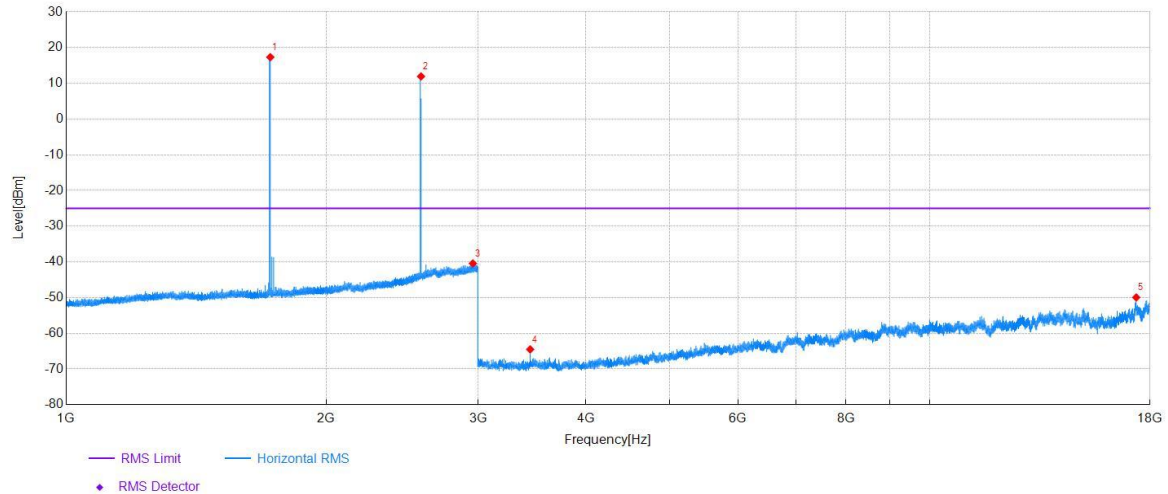
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 1870.90     | 102.49         | -84.97      | 17.52       | -           | -           | Vertical | NA      |
| 2   | 2546.10     | 98.92          | -82.69      | 16.23       | -           | -           | Vertical | NA      |
| 3   | 3742.50     | 46.24          | -107.43     | -61.19      | -25.00      | 36.19       | Vertical | PASS    |
| 4   | 9463.00     | 36.25          | -93.29      | -57.04      | -25.00      | 32.04       | Vertical | PASS    |
| 5   | 17356.50    | 31.68          | -82.65      | -50.97      | -25.00      | 25.97       | Vertical | PASS    |

## Project Information

|            |                    |           |               |
|------------|--------------------|-----------|---------------|
| Mode:      | NSA                | Band:     | EN_DC_4A_n38A |
| Bandwidth: | LTE 20MHz NR 40MHz | Channel:  | Mid           |
| IMEI:      | 863109050663678    | Engineer: | Tian Shuo     |
| Remark:    |                    |           |               |

## Test Graph



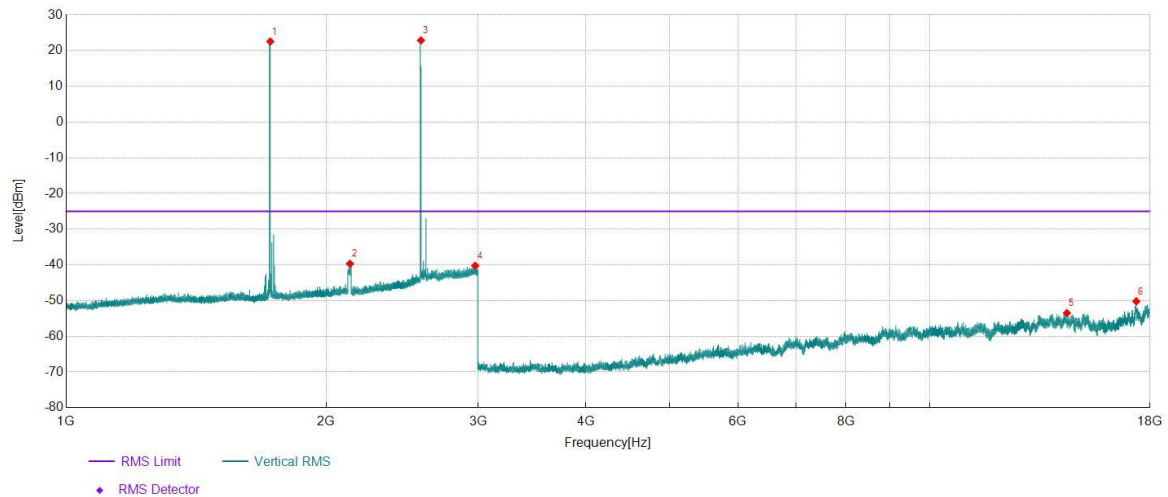
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 1723.50     | 102.62         | -85.28      | 17.34       | -           | -           | Horizontal | NA      |
| 2   | 2576.10     | 94.33          | -82.38      | 11.95       | -           | -           | Horizontal | NA      |
| 3   | 2958.40     | 39.53          | -79.97      | -40.44      | -25.00      | 15.44       | Horizontal | PASS    |
| 4   | 3447.00     | 42.79          | -107.30     | -64.51      | -25.00      | 39.51       | Horizontal | PASS    |
| 5   | 17349.50    | 32.47          | -82.42      | -49.95      | -25.00      | 24.95       | Horizontal | PASS    |

## Project Information

|            |                    |           |               |
|------------|--------------------|-----------|---------------|
| Mode:      | NSA                | Band:     | EN_DC_4A_n38A |
| Bandwidth: | LTE 20MHz NR 40MHz | Channel:  | Mid           |
| IMEI:      | 863109050663678    | Engineer: | Tian Shuo     |
| Remark:    |                    |           |               |

## Test Graph



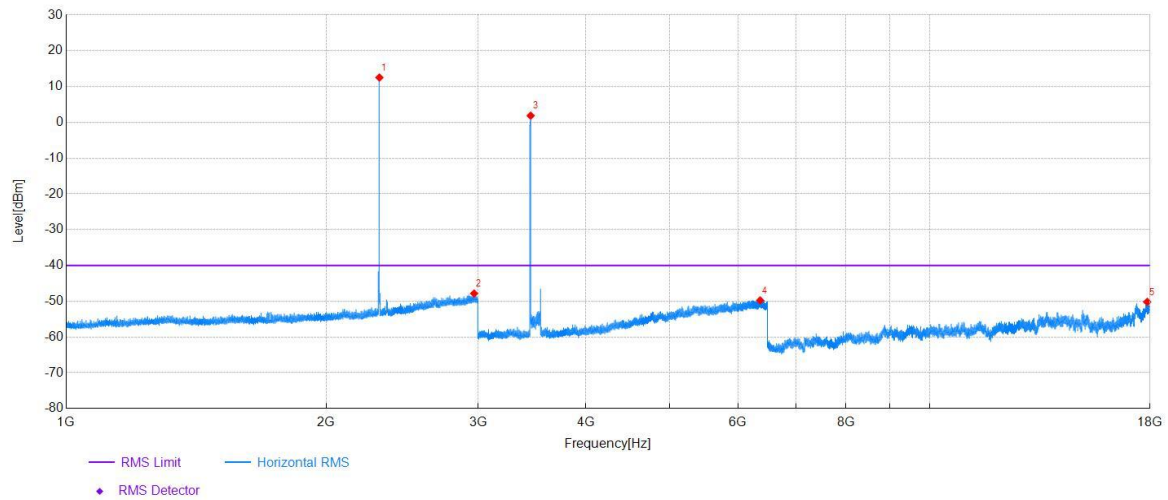
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 1723.60     | 107.85         | -85.28      | 22.57       | -           | -           | Vertical | NA      |
| 2   | 2131.60     | 44.82          | -84.50      | -39.68      | -           | -           | Vertical | NA      |
| 3   | 2576.10     | 105.26         | -82.38      | 22.88       | -           | -           | Vertical | NA      |
| 4   | 2976.70     | 39.70          | -79.93      | -40.23      | -25.00      | 15.23       | Vertical | PASS    |
| 5   | 14422.50    | 33.84          | -87.33      | -53.49      | -25.00      | 28.49       | Vertical | PASS    |
| 6   | 17352.50    | 32.31          | -82.50      | -50.19      | -25.00      | 25.19       | Vertical | PASS    |

## Project Information

|            |                     |           |                               |
|------------|---------------------|-----------|-------------------------------|
| Mode:      | NSA                 | Band:     | EN_DC_30A_n77A (3450-3550MHz) |
| Bandwidth: | LTE 10MHz NR 100MHz | Channel:  | Mid                           |
| IMEI:      | 863109050663678     | Engineer: | Tian Shuo                     |
| Remark:    |                     |           |                               |

## Test Graph



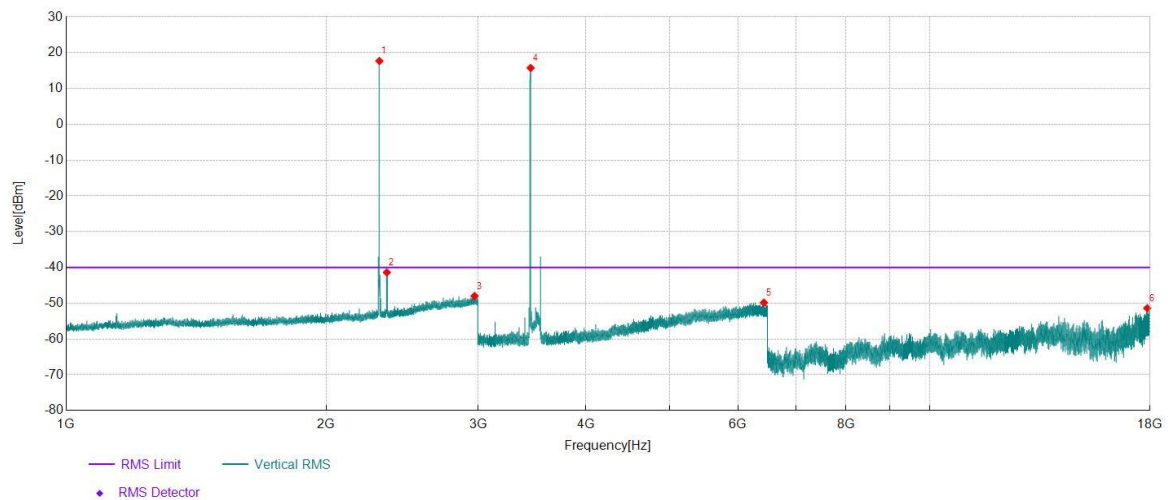
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 2305.40     | 96.24          | -83.72      | 12.52       | -           | -           | Horizontal | NA      |
| 2   | 2967.80     | 32.08          | -79.93      | -47.85      | -40.00      | 7.85        | Horizontal | PASS    |
| 3   | 3450.98     | 90.61          | -88.75      | 1.86        | -           | -           | Horizontal | NA      |
| 4   | 6364.03     | 30.84          | -80.63      | -49.79      | -40.00      | 9.79        | Horizontal | PASS    |
| 5   | 17864.30    | 31.25          | -81.45      | -50.20      | -40.00      | 10.20       | Horizontal | PASS    |

## Project Information

|            |                     |           |                               |
|------------|---------------------|-----------|-------------------------------|
| Mode:      | NSA                 | Band:     | EN_DC_30A_n77A (3450-3550MHz) |
| Bandwidth: | LTE 10MHz NR 100MHz | Channel:  | Mid                           |
| IMEI:      | 863109050663678     | Engineer: | Tian Shuo                     |
| Remark:    |                     |           |                               |

## Test Graph



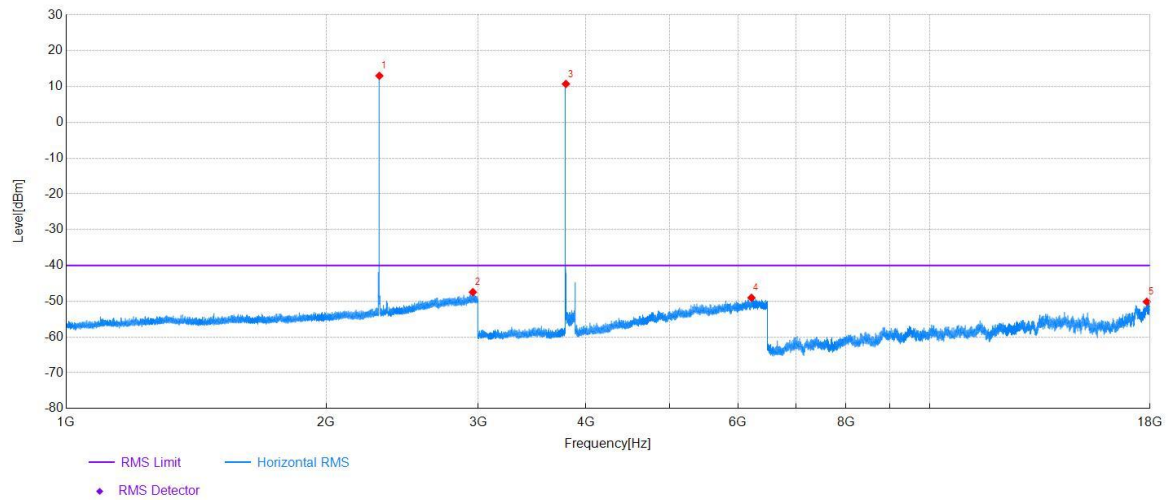
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 2305.50     | 101.42         | -83.72      | 17.70       | -           | -           | Vertical | NA      |
| 2   | 2351.80     | 42.26          | -83.67      | -41.41      | -           | -           | Vertical | NA      |
| 3   | 2971.40     | 31.93          | -79.92      | -47.99      | -40.00      | 7.99        | Vertical | PASS    |
| 4   | 3450.98     | 104.51         | -88.75      | 15.76       | -           | -           | Vertical | NA      |
| 5   | 6427.90     | 30.92          | -80.78      | -49.86      | -40.00      | 9.86        | Vertical | PASS    |
| 6   | 17866.60    | 30.09          | -81.49      | -51.40      | -40.00      | 11.40       | Vertical | PASS    |

## Project Information

|            |                     |           |                               |
|------------|---------------------|-----------|-------------------------------|
| Mode:      | NSA                 | Band:     | EN_DC_30A_n77A (3700-3980MHz) |
| Bandwidth: | LTE 10MHz NR 100MHz | Channel:  | Mid                           |
| IMEI:      | 863109050663678     | Engineer: | Tian Shuo                     |
| Remark:    |                     |           |                               |

## Test Graph



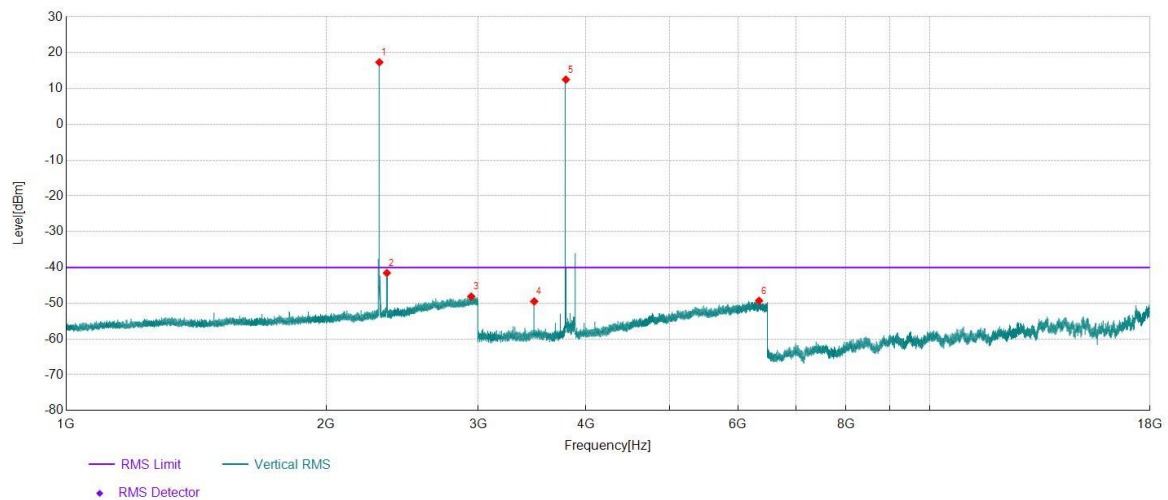
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 2305.60     | 96.73          | -83.72      | 13.01       | -           | -           | Horizontal | NA      |
| 2   | 2958.00     | 32.50          | -79.97      | -47.47      | -40.00      | 7.47        | Horizontal | PASS    |
| 3   | 3791.18     | 98.85          | -88.11      | 10.74       | -           | -           | Horizontal | NA      |
| 4   | 6218.25     | 32.02          | -81.07      | -49.05      | -40.00      | 9.05        | Horizontal | PASS    |
| 5   | 17844.74    | 31.33          | -81.49      | -50.16      | -40.00      | 10.16       | Horizontal | PASS    |

## Project Information

|            |                     |           |                               |
|------------|---------------------|-----------|-------------------------------|
| Mode:      | NSA                 | Band:     | EN_DC_30A_n77A (3700-3980MHz) |
| Bandwidth: | LTE 10MHz NR 100MHz | Channel:  | Mid                           |
| IMEI:      | 863109050663678     | Engineer: | Tian Shuo                     |
| Remark:    |                     |           |                               |

## Test Graph



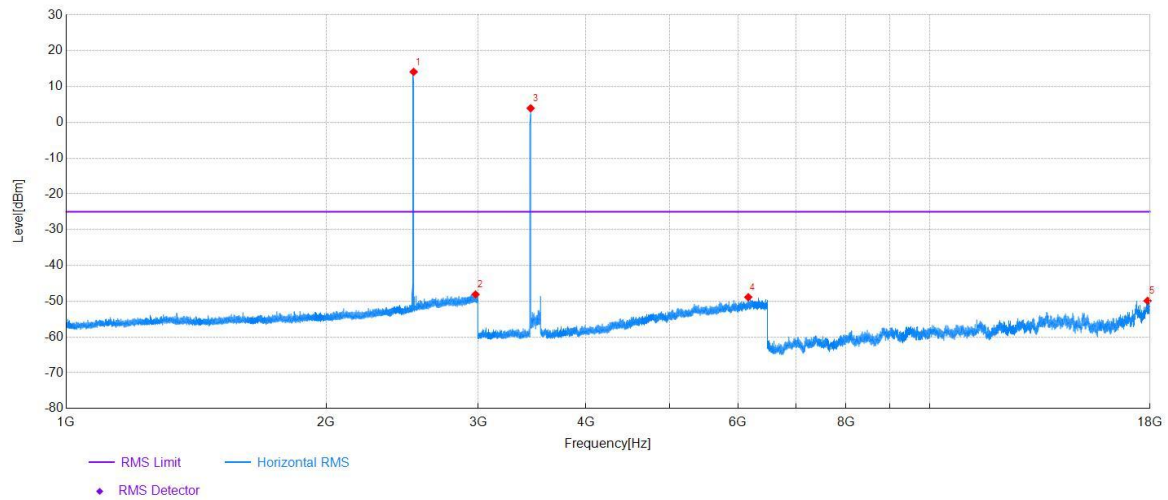
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 2305.50     | 101.08         | -83.72      | 17.36       | -           | -           | Vertical | NA      |
| 2   | 2351.90     | 42.11          | -83.67      | -41.56      | -           | -           | Vertical | NA      |
| 3   | 2945.30     | 31.93          | -80.07      | -48.14      | -40.00      | 8.14        | Vertical | PASS    |
| 4   | 3484.05     | 39.04          | -88.55      | -49.51      | -40.00      | 9.51        | Vertical | PASS    |
| 5   | 3791.18     | 100.62         | -88.11      | 12.51       | -           | -           | Vertical | NA      |
| 6   | 6345.30     | 31.31          | -80.62      | -49.31      | -40.00      | 9.31        | Vertical | PASS    |

## Project Information

|            |                      |           |                              |
|------------|----------------------|-----------|------------------------------|
| Mode:      | NSA                  | Band:     | EN_DC_7A_n78A (3700-3800MHz) |
| Bandwidth: | LTE 100MHz NR 100MHz | Channel:  | Mid                          |
| IMEI:      | 863109050663678      | Engineer: | Tian Shuo                    |
| Remark:    |                      |           |                              |

## Test Graph



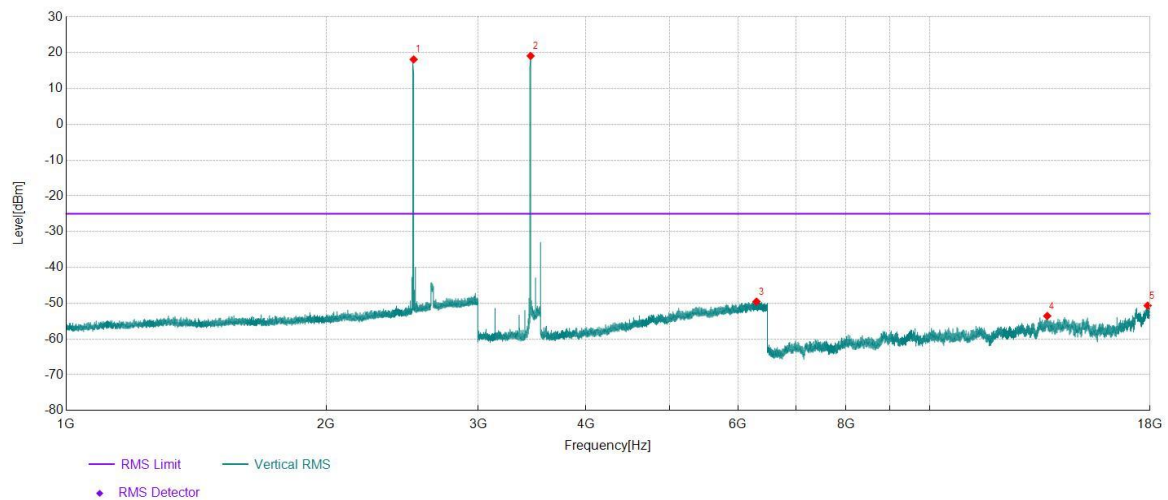
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 2526.10     | 97.15          | -83.04      | 14.11       | -           | -           | Horizontal | NA      |
| 2   | 2979.50     | 31.86          | -79.98      | -48.12      | -25.00      | 23.12       | Horizontal | PASS    |
| 3   | 3450.98     | 92.68          | -88.75      | 3.93        | -           | -           | Horizontal | NA      |
| 4   | 6165.58     | 32.21          | -81.09      | -48.88      | -25.00      | 23.88       | Horizontal | PASS    |
| 5   | 17882.32    | 31.79          | -81.69      | -49.90      | -25.00      | 24.90       | Horizontal | PASS    |

## Project Information

|            |                      |           |                              |
|------------|----------------------|-----------|------------------------------|
| Mode:      | NSA                  | Band:     | EN_DC_7A_n78A (3700-3800MHz) |
| Bandwidth: | LTE 100MHz NR 100MHz | Channel:  | Mid                          |
| IMEI:      | 863109050663678      | Engineer: | Tian Shuo                    |
| Remark:    |                      |           |                              |

## Test Graph



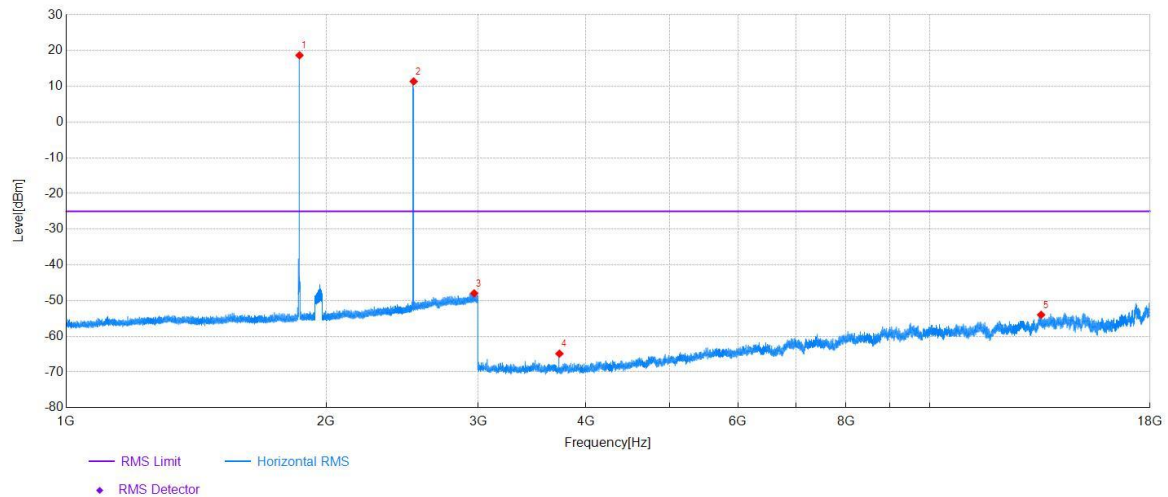
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 2526.10     | 101.19         | -83.04      | 18.15       | -           | -           | Vertical | NA      |
| 2   | 3450.98     | 107.87         | -88.75      | 19.12       | -           | -           | Vertical | NA      |
| 3   | 6303.13     | 31.26          | -80.82      | -49.56      | -25.00      | 24.56       | Vertical | PASS    |
| 4   | 13684.43    | 32.38          | -85.96      | -53.58      | -25.00      | 28.58       | Vertical | PASS    |
| 5   | 17886.15    | 31.06          | -81.74      | -50.68      | -25.00      | 25.68       | Vertical | PASS    |

## Project Information

|            |                    |           |               |
|------------|--------------------|-----------|---------------|
| Mode:      | NSA                | Band:     | EN_DC_7A_n25A |
| Bandwidth: | LTE 20MHz NR 40MHz | Channel:  | Mid           |
| IMEI:      | 863109050663678    | Engineer: | Tian Shuo     |
| Remark:    |                    |           |               |

## Test Graph



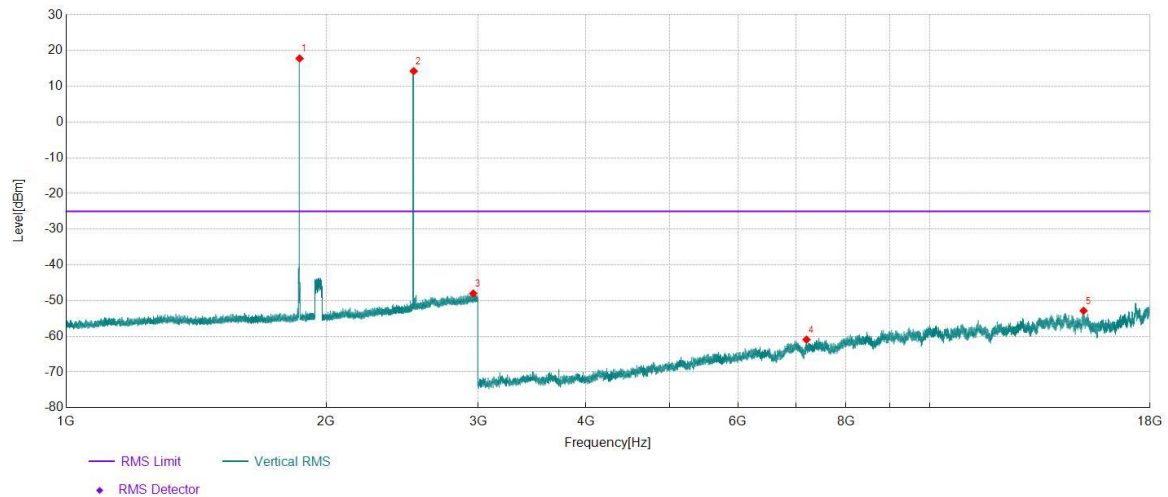
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 1863.20     | 103.66         | -84.97      | 18.69       | -           | -           | Horizontal | NA      |
| 2   | 2526.20     | 94.42          | -83.04      | 11.38       | -           | -           | Horizontal | NA      |
| 3   | 2968.90     | 31.96          | -79.93      | -47.97      | -25.00      | 22.97       | Horizontal | PASS    |
| 4   | 3726.50     | 42.59          | -107.46     | -64.87      | -25.00      | 39.87       | Horizontal | PASS    |
| 5   | 13462.50    | 34.37          | -88.36      | -53.99      | -25.00      | 28.99       | Horizontal | PASS    |

## Project Information

|            |                    |           |               |
|------------|--------------------|-----------|---------------|
| Mode:      | NSA                | Band:     | EN_DC_7A_n25A |
| Bandwidth: | LTE 20MHz NR 40MHz | Channel:  | Mid           |
| IMEI:      | 863109050663678    | Engineer: | Tian Shuo     |
| Remark:    |                    |           |               |

## Test Graph



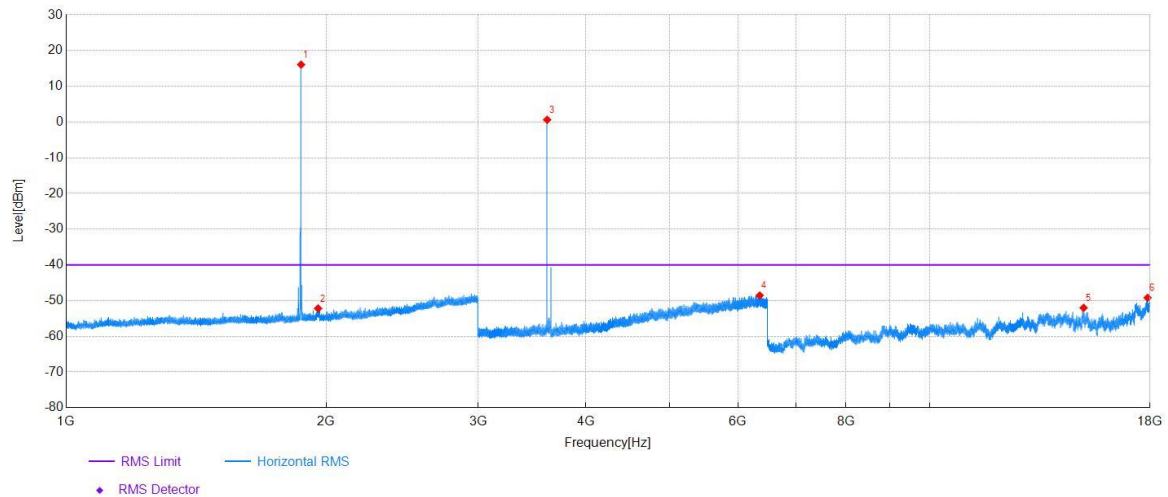
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 1863.20     | 102.78         | -84.97      | 17.81       | -           | -           | Vertical | NA      |
| 2   | 2526.30     | 97.31          | -83.04      | 14.27       | -           | -           | Vertical | NA      |
| 3   | 2961.20     | 31.93          | -79.96      | -48.03      | -25.00      | 23.03       | Vertical | PASS    |
| 4   | 7201.50     | 35.67          | -96.61      | -60.94      | -25.00      | 35.94       | Vertical | PASS    |
| 5   | 15077.50    | 33.42          | -86.28      | -52.86      | -25.00      | 27.86       | Vertical | PASS    |

## Project Information

|            |                    |           |               |
|------------|--------------------|-----------|---------------|
| Mode:      | NSA                | Band:     | EN_DC_2A_n48A |
| Bandwidth: | LTE 20MHz NR 40MHz | Channel:  | Mid           |
| IMEI:      | 863109050663678    | Engineer: | Tian Shuo     |
| Remark:    |                    |           |               |

## Test Graph



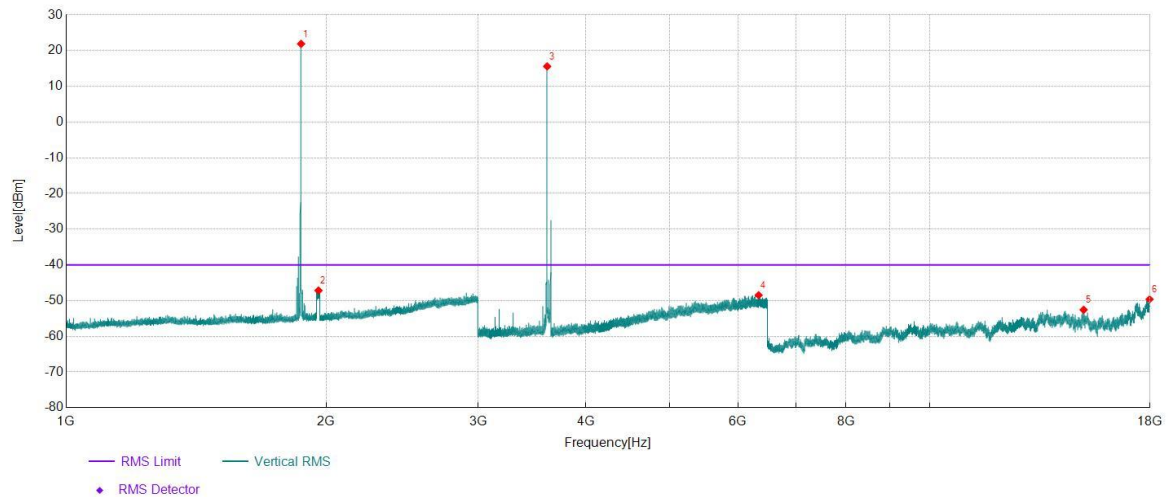
## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|------------|---------|
| 1   | 1871.10     | 101.06         | -84.97      | 16.09       | -           | -           | Horizontal | NA      |
| 2   | 1957.80     | 32.54          | -84.75      | -52.21      | -           | -           | Horizontal | NA      |
| 3   | 3606.20     | 89.13          | -88.49      | 0.64        | -           | -           | Horizontal | NA      |
| 4   | 6356.62     | 31.99          | -80.55      | -48.56      | -40.00      | 8.56        | Horizontal | PASS    |
| 5   | 15076.99    | 34.10          | -86.14      | -52.04      | -40.00      | 12.04       | Horizontal | PASS    |
| 6   | 17884.23    | 32.50          | -81.71      | -49.21      | -40.00      | 9.21        | Horizontal | PASS    |

## Project Information

|            |                    |           |               |
|------------|--------------------|-----------|---------------|
| Mode:      | NSA                | Band:     | EN_DC_2A_n48A |
| Bandwidth: | LTE 20MHz NR 40MHz | Channel:  | Mid           |
| IMEI:      | 863109050663678    | Engineer: | Tian Shuo     |
| Remark:    |                    |           |               |

## Test Graph



## Data List

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|-------------|-------------|-------------|----------|---------|
| 1   | 1871.10     | 106.88         | -84.97      | 21.91       | -           | -           | Vertical | NA      |
| 2   | 1959.90     | 37.59          | -84.77      | -47.18      | -           | -           | Vertical | NA      |
| 3   | 3605.97     | 104.08         | -88.49      | 15.59       | -           | -           | Vertical | NA      |
| 4   | 6338.42     | 32.34          | -80.83      | -48.49      | -40.00      | 8.49        | Vertical | PASS    |
| 5   | 15078.52    | 33.57          | -86.15      | -52.58      | -40.00      | 12.58       | Vertical | PASS    |
| 6   | 17979.30    | 32.14          | -81.77      | -49.63      | -40.00      | 9.63        | Vertical | PASS    |

~The End~