



# FCC RF Test Report

## (Bluetooth)

**Applicant:** TECNO MOBILE LIMITED

**Address of Applicant:** FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE  
19-25 SHAN MEI STREET FOTAN NT HONGKONG

**Equipment Under Test (EUT)**

Product Name: Mobile Phone

Model No.: KI7s

Trade Mark: TECNO

**FCC ID:** 2ADYY-KI7S

**Applicable Standards:** FCC CFR Title 47 Part 15C (§15.247)

**Date of Sample Receipt:** 02 Mar., 2023

**Date of Test:** 03 Mar., to 17 Mar., 2023

**Date of Report Issued:** 20 Mar., 2023

**Test Result:** PASS

**Tested by:** Mike Ou **Date:** 20 Mar., 2023

**Reviewed by:** Wenwen Zhang **Date:** 20 Mar., 2023

**Approved by:** Manager **Date:** 20 Mar., 2023

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in above the application standard version. Test results reported herein relate only to the item(s) tested.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

## 1 Version

| Version No. | Date          | Description |
|-------------|---------------|-------------|
| 00          | 20 Mar., 2023 | Original    |
|             |               |             |
|             |               |             |
|             |               |             |
|             |               |             |
|             |               |             |

## 2 Contents

Page

|   |           |
|---|-----------|
| <b>Cover Page</b> .....   | <b>1</b>  |
| <b>1 Version</b> .....  | <b>2</b>  |
| <b>2 Contents</b> .....   | <b>3</b>  |
| <b>3 General Information</b> .....                                | <b>4</b>  |
| 3.1 Client Information .....                                      | 4         |
| 3.2 General Description of E.U.T. ....                            | 4         |
| 3.3 Test Mode and Test Environment .....                          | 5         |
| 3.4 Description of Test Auxiliary Equipment .....                 | 5         |
| 3.5 Measurement Uncertainty .....                                 | 5         |
| 3.6 Additions to, Deviations, or Exclusions From the Method ..... | 5         |
| 3.7 Laboratory Facility .....                                     | 5         |
| 3.8 Laboratory Location .....                                     | 5         |
| 3.9 Test Instruments List .....                                   | 6         |
| <b>4 Measurement Setup and Procedure</b> .....                    | <b>7</b>  |
| 4.1 Test Channel .....  | 7         |
| 4.2 Test Setup .....  | 7         |
| 4.3 Test Procedure .....  | 9         |
| <b>5 Test Results</b> .....                                       | <b>10</b> |
| 5.1 Summary .....   | 10        |
| 5.1.1 Clause and data summary .....                               | 10        |
| 5.1.2 Test Limit .....  | 11        |
| 5.2 Test Result .....   | 12        |
| 5.2.1 Radiated spurious emissions Spot-check .....                | 12        |
| 5.2.2 RF Output Power Spot-check .....                            | 13        |

### 3 General Information

#### 3.1 Client Information

|               |  |
|---------------|--|
| Applicant:    | TECNO MOBILE LIMITED   |
| Address:      | FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG                                |
| Manufacturer: | TECNO MOBILE LIMITED   |
| Address:      | FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG                                |
| Factory:      | SHENZHEN TECNO TECHNOLOGY CO., LTD.  |
| Address:      | 101, Building 24, Waijing Industrial Park, Fumin Community, Fucheng Street, Longhua District, Shenzhen City, P.R.China |

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

|                        |   |
|------------------------|---|
| Product Name:          | Mobile Phone  |
| Model No.:             | KI7s  |
| Operation Frequency:   | 2402 MHz - 2480 MHz   |
| Transfer Rate:         | 1/2/3 Mbits/s   |
| Number of Channel:     | 79  |
| Modulation Type:       | GFSK, $\pi/4$ -DQPSK, 8DPSK   |
| Modulation Technology: | FHSS  |
| Antenna Type:          | Internal Antenna  |
| Antenna Gain:          | -1.38 dBi (declare by applicant)  |
| Antenna transmit mode: | SISO (1TX, 1RX)   |
| Power Supply:          | Rechargeable Li-ion Polymer Battery DC3.85V, 4900mAh  |
| AC Adapter:            | Model: U180TSA<br>Input: AC100-240V, 50/60Hz, 0.6A<br>Output: DC 5.0V, 2.4A or 7.5V, 2.4A 18.0W Max |
| Test Sample Condition: | The test samples were provided in good working order with no visible defects.                       |

### 3.3 Test Mode and Test Environment

| Test Modes:            |   |
|------------------------|---|
| Non-hopping mode:      | Keep the EUT in continuous transmitting mode. |
| Hopping mode:          | Keep the EUT in hopping mode.                 |
| Operating Environment: |   |
| Temperature:           | 15°C ~ 35°C                                   |
| Humidity:              | 20 % ~ 75 % RH                                |
| Atmospheric Pressure:  | 1008 mbar                                     |

### 3.4 Description of Test Auxiliary Equipment

|   |
|---|
| The EUT has been tested as an independent unit. |
|---|

### 3.5 Measurement Uncertainty

| Parameter                                   | Expanded Uncertainty<br>(Confidence of 95%(U = 2Uc(y))) |
|---|---|
| Conducted Emission for LISN (9kHz ~ 10MHz)  | 1.9 dB  |
| Conducted Emission for LISN (10MHz ~ 30MHz) | 2.6 dB  |
| Radiated Emission (30MHz ~ 1GHz) (3m SAC)   | 3.8 dB  |
| Radiated Emission (1GHz ~ 18GHz) (3m SAC)   | 3.6 dB  |
| Radiated Emission (18GHz ~ 40GHz) (3m SAC)  | 5.34 dB   |

**Note:** All the measurement uncertainty value were shown with a coverage k=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

### 3.6 Additions to, Deviations, or Exclusions From the Method

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

### 3.7 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

● **FCC - Designation No.: CN1211**

JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

● **ISED – CAB identifier.: CN0021**

The 3m Semi-anechoic chamber and 10m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

● **CNAS - Registration No.: CNAS L15527**

JianYan Testing Group Shenzhen Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L15527.

● **A2LA - Registration No.: 4346.01**

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. The test scope can be found as below link: <https://portal.a2la.org/scopepdf/4346-01.pdf>

### 3.8 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd.  
Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.  
Tel: +86-755-23118282, Fax: +86-755-23116366  
Email: info-JYTee@lets.com, Website: <http://jyt.lets.com>

### 3.9 Test Instruments List

| Radiated Emission(3m SAC):    |                 |                 |                  |                      |                          |
|-------------------------------|-----------------|-----------------|------------------|----------------------|--------------------------|
| Test Equipment                | Manufacturer    | Model No.       | Manage No.       | Cal. Date (mm-dd-yy) | Cal. Due date (mm-dd-yy) |
| 3m SAC                        | ETS             | 9m*6m*6m        | WXJ001-1         | 04-14-2021           | 04-13-2024               |
| Loop Antenna                  | Schwarzbeck     | FMZB 1519 B     | WXJ002-4         | 01-10-2023           | 01-09-2024               |
| BiConiLog Antenna             | Schwarzbeck     | VULB9163        | WXJ002           | 01-10-2023           | 01-09-2024               |
| Horn Antenna                  | Schwarzbeck     | BBHA9120D       | WXJ002-2         | 01-10-2023           | 01-09-2024               |
| Horn Antenna                  | Schwarzbeck     | BBHA9170        | WXJ002-5         | 04-07-2022           | 04-06-2023               |
| Pre-amplifier (30MHz ~ 1GHz)  | Schwarzbeck     | BBV9743B        | WXJ001-2         | 01-10-2023           | 01-09-2024               |
| Pre-amplifier (1GHz ~ 18GHz)  | SKET            | LNPA_0118G-50   | WXJ001-3         | 01-10-2023           | 01-09-2024               |
| Pre-amplifier (18GHz ~ 40GHz) | RF System       | TRLA-180400G45B | WXJ002-7         | 03-30-2022           | 03-29-2023               |
| EMI Test Receiver             | Rohde & Schwarz | ESRP7           | WXJ003-1         | 01-10-2023           | 01-09-2024               |
| Spectrum Analyzer             | Rohde & Schwarz | FSP 30          | WXJ004           | 01-10-2023           | 01-09-2024               |
| Spectrum Analyzer             | KEYSIGHT        | N9010B          | WXJ004-2         | 10-17-2022           | 10-16-2023               |
| Coaxial Cable (30MHz ~ 1GHz)  | JYTSZ           | JYT3M-1G-NN-8M  | WXG001-4         | 01-18-2023           | 01-17-2024               |
| Coaxial Cable (1GHz ~ 18GHz)  | JYTSZ           | JYT3M-18G-NN-8M | WXG001-5         | 01-18-2023           | 01-17-2024               |
| Coaxial Cable (18GHz ~ 40GHz) | JYTSZ           | JYT3M-40G-SS-8M | WXG001-7         | 01-18-2023           | 01-17-2024               |
| Band Reject Filter Group      | Tonscend        | JS0806-F        | WXJ089           | N/A                  |                          |
| Test Software                 | Tonscend        | TS+             | Version: 3.0.0.1 |                      |                          |

| Conducted Method:            |              |            |                  |                      |                          |
|------------------------------|--------------|------------|------------------|----------------------|--------------------------|
| Test Equipment               | Manufacturer | Model No.  | Manage No.       | Cal. Date (mm-dd-yy) | Cal. Due date (mm-dd-yy) |
| Spectrum Analyzer            | Keysight     | N9010B     | WXJ004-3         | 10-17-2022           | 10-16-2023               |
| Temperature Humidity Chamber | ZHONG ZHI    | CZ-A-80D   | WXJ032-3         | 03-19-2021           | 03-18-2023               |
| Power Detector Box           | MWRFTTEST    | MW100-PSB  | WXJ007-4         | 10-17-2022           | 10-16-2023               |
| DC Power Supply              | Keysight     | E3642A     | WXJ025-2         | N/A                  |                          |
| RF Control Unit              | MWRFTTEST    | MW100-RFCB | WXG006           | N/A                  |                          |
| Test Software                | MWRFTTEST    | MTS 8310   | Version: 2.0.0.0 |                      |                          |

## 4 Measurement Setup and Procedure

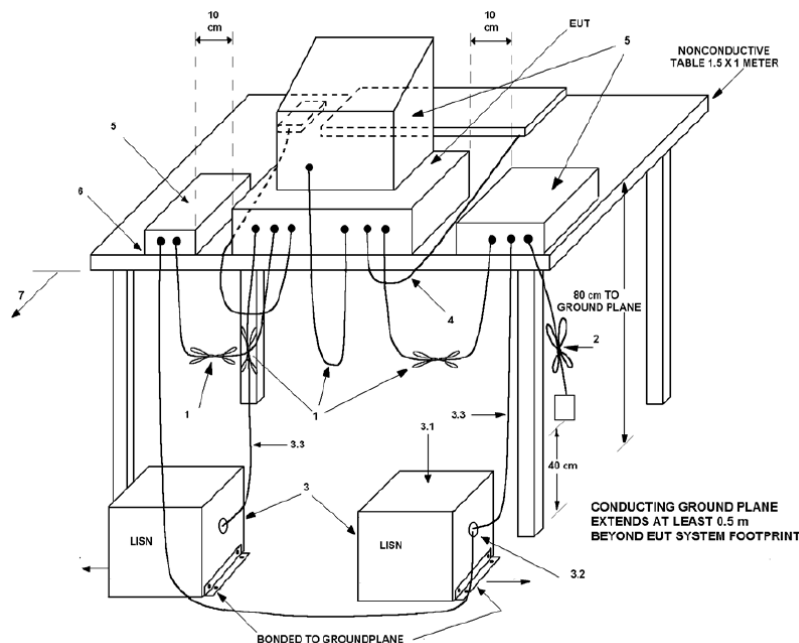
### 4.1 Test Channel

According to ANSI C63.10-2013 chapter 5.6.1 Table 4 requirement, select lowest channel, middle channel, and highest channel in the frequency range in which device operates for testing. The detailed frequency points are as follows:

| Lowest channel |                 | Middle channel |                 | Highest channel |                 |
|----------------|-----------------|----------------|-----------------|-----------------|-----------------|
| Channel No.    | Frequency (MHz) | Channel No.    | Frequency (MHz) | Channel No.     | Frequency (MHz) |
| 0              | 2402            | 39             | 2441            | 78              | 2480            |

### 4.2 Test Setup

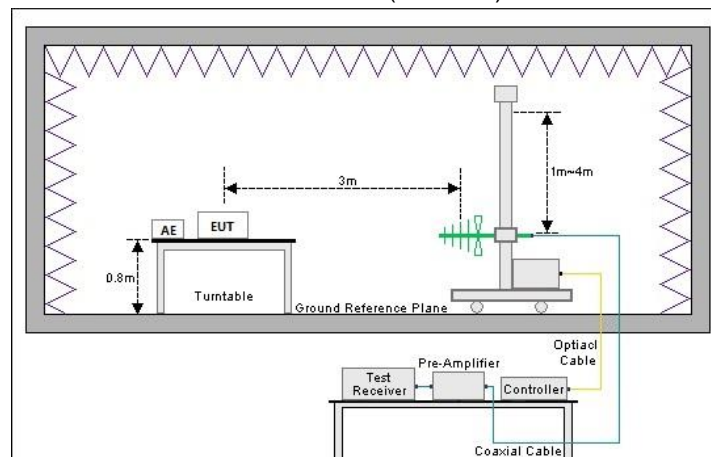
#### 1) Conducted emission measurement:

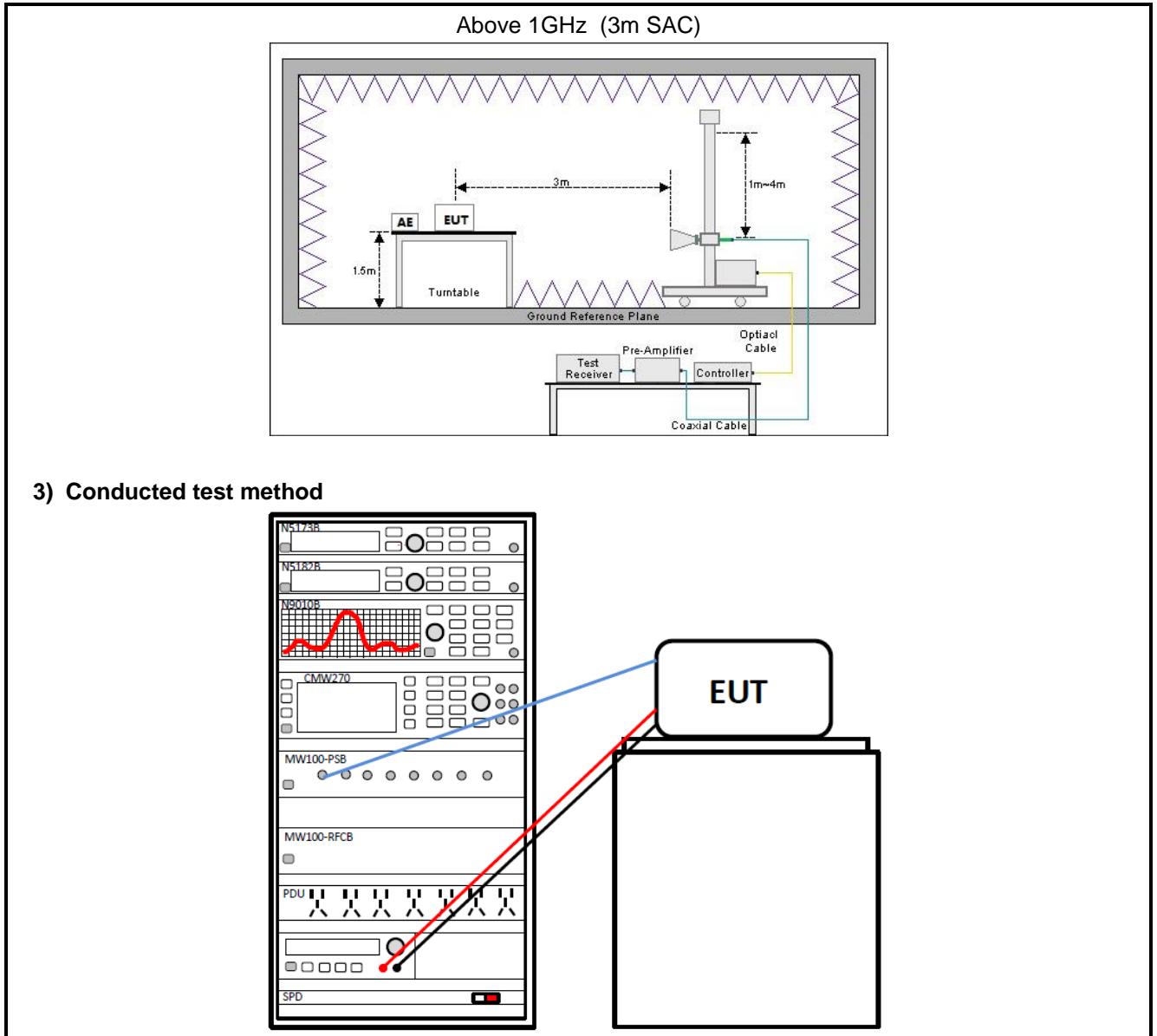


**Note:** The detailed descriptions please refer to Figure 8 of ANSI C63.4:2014.

#### 2) Radiated emission measurement:

Below 1GHz (3m SAC)







### 4.3 Test Procedure

| Test method           | Test step   |
|-----------------------|---|
| Conducted emission    | <ol style="list-style-type: none"> <li>1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment.</li> <li>2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs).</li> <li>3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.</li> </ol>   |
| Radiated emission     | <p><b>For below 1GHz:</b></p> <ol style="list-style-type: none"> <li>1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 3 m.</li> <li>2. EUT works in each mode of operation that needs to be tested, and having the EUT continuously working, respectively on 3 axis (X, Y &amp; Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations.</li> <li>3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data.</li> </ol> <p><b>For above 1GHz:</b></p> <ol style="list-style-type: none"> <li>1. The EUT was placed on the tabletop of a rotating table 1.5 m the ground at a 3 m fully anechoic room. The measurement distance from the EUT to the receiving antenna is 3 m.</li> <li>2. EUT works in each mode of operation that needs to be tested, and having the EUT continuously working, respectively on 3 axis (X, Y &amp; Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations.</li> <li>3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data.</li> </ol> |
| Conducted test method | <ol style="list-style-type: none"> <li>1. The Bluetooth antenna port of EUT was connected to the test port of the test system through an RF cable.</li> <li>2. The EUT is keeping in continuous transmission mode and tested in all modulation modes.</li> <li>3. Open the test software, prepare a test plan, and control the system through the software. After the test is completed, the test report is exported through the test software.</li> </ol>  |

## 5 Test Results

### 5.1 Summary

#### 5.1.1 Clause and data summary

This report is revised according to the JYTSZ-R12-2202270 report, FCC ID: 2ADYY-KI7 issued by JianYan Testing Group Shenzhen Co., Ltd. Differences: Dual cards changed to single cards, SIM card holder was replaced, and adds Band 13 and closed LTE 64QAM uplink by software. So only add part of spot-check.

| Test items   | Standard clause  | Test data                                       | Result  |
|--|--|---|---|
| Antenna Requirement  | 15.203<br>15.247 (b)(4)  | Please refer to report No. : JYTSZ-R12-2202270. | Please refer to report No. : JYTSZ-R12-2202270. |
| AC Power Line Conducted Emission   | 15.207   | Please refer to report No. : JYTSZ-R12-2202270. | Please refer to report No. : JYTSZ-R12-2202270. |
| Conducted Output Power   | 15.247 (b)(1)  | Please refer to report No. : JYTSZ-R12-2202270. | Please refer to report No. : JYTSZ-R12-2202270. |
| 20dB Occupied Bandwidth  | 15.247 (a)(1)  | Please refer to report No. : JYTSZ-R12-2202270. | Please refer to report No. : JYTSZ-R12-2202270. |
| Carrier Frequencies Separation   | 15.247 (a)(1)  | Please refer to report No. : JYTSZ-R12-2202270. | Please refer to report No. : JYTSZ-R12-2202270. |
| Hopping Channel Number   | 5.247 (a)(1)(iii)  | Please refer to report No. : JYTSZ-R12-2202270. | Please refer to report No. : JYTSZ-R12-2202270. |
| Dwell Time   | 15.247 (a)(1)(iii)   | Please refer to report No. : JYTSZ-R12-2202270. | Please refer to report No. : JYTSZ-R12-2202270. |
| Band-edge Emission<br>Conduction Spurious Emission   | 15.247 (d)   | Please refer to report No. : JYTSZ-R12-2202270. | Please refer to report No. : JYTSZ-R12-2202270. |
| Emissions in Restricted Frequency Bands  | 15.205<br>15.247 (d)   | Please refer to report No. : JYTSZ-R12-2202270. | Please refer to report No. : JYTSZ-R12-2202270. |
| Emissions in Non-restricted Frequency Bands  | 15.209<br>15.247(d)  | Please refer to report No. : JYTSZ-R12-2202270. | Please refer to report No. : JYTSZ-R12-2202270. |
| <b>Remark:</b><br>1. Pass: The EUT complies with the essential requirements in the standard.<br>2. Please refer to FCC ID: 2ADYY-KI7, report No. : JYTSZ-R12-2202270 issue by JianYan Testing Group Shenzhen Co., Ltd.<br>3. N/A: Not Applicable.<br>4. The cable insertion loss used by "RF Output Power" and other conduction measurement items is 0.5dB (provided by the customer). |  |   |   |
| <b>Test Method:</b>  | ANSI C63.10-2013<br>KDB 558074 D01 15.247 Meas Guidance v05r02 |   |   |

### 5.1.2 Test Limit

| Test items   | Limit  |                                |                |  |            |         |            |                                |                                |         |            |          |        |      |            |           |      |      |            |            |      |      |            |           |                     |  |         |       |             |      |      |
|--|--|--------------------------------|----------------|--|------------|---------|------------|--------------------------------|--------------------------------|---------|------------|----------|--------|------|------------|-----------|------|------|------------|------------|------|------|------------|-----------|---------------------|--|---------|-------|-------------|------|------|
| AC Power Line Conducted Emission   | <table><tr><th rowspan="2">Frequency (MHz)</th><th colspan="2">Limit (dBμV)</th></tr><tr><th>Quasi-Peak</th><th>Average</th></tr><tr><td>0.15 – 0.5</td><td>66 to 56 <small>Note 1</small></td><td>56 to 46 <small>Note 1</small></td></tr><tr><td>0.5 – 5</td><td>56</td><td>46</td></tr><tr><td>5 – 30</td><td>60</td><td>50</td></tr></table> <p><b>Note 1:</b> The limit level in dBμV decreases linearly with the logarithm of frequency.<br/><b>Note 2:</b> The more stringent limit applies at transition frequencies.</p>  | Frequency (MHz)                | Limit (dBμV)   |  | Quasi-Peak | Average | 0.15 – 0.5 | 66 to 56 <small>Note 1</small> | 56 to 46 <small>Note 1</small> | 0.5 – 5 | 56         | 46       | 5 – 30 | 60   | 50         |           |      |      |            |            |      |      |            |           |                     |  |         |       |             |      |      |
| Frequency (MHz)  | Limit (dBμV)   |                                |                |  |            |         |            |                                |                                |         |            |          |        |      |            |           |      |      |            |            |      |      |            |           |                     |  |         |       |             |      |      |
|  | Quasi-Peak   | Average                        |                |  |            |         |            |                                |                                |         |            |          |        |      |            |           |      |      |            |            |      |      |            |           |                     |  |         |       |             |      |      |
| 0.15 – 0.5   | 66 to 56 <small>Note 1</small>   | 56 to 46 <small>Note 1</small> |                |  |            |         |            |                                |                                |         |            |          |        |      |            |           |      |      |            |            |      |      |            |           |                     |  |         |       |             |      |      |
| 0.5 – 5  | 56   | 46                             |                |  |            |         |            |                                |                                |         |            |          |        |      |            |           |      |      |            |            |      |      |            |           |                     |  |         |       |             |      |      |
| 5 – 30   | 60   | 50                             |                |  |            |         |            |                                |                                |         |            |          |        |      |            |           |      |      |            |            |      |      |            |           |                     |  |         |       |             |      |      |
| Conducted Output Power   | For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.  |                                |                |  |            |         |            |                                |                                |         |            |          |        |      |            |           |      |      |            |            |      |      |            |           |                     |  |         |       |             |      |      |
| 20dB Occupied Bandwidth  | Within authorization band  |                                |                |  |            |         |            |                                |                                |         |            |          |        |      |            |           |      |      |            |            |      |      |            |           |                     |  |         |       |             |      |      |
| Carrier Frequencies Separation   | a) 0.025MHz or the 20dB bandwidth (whichever is greater).<br>b) 0.025MHz or two-thirds of the 20dB bandwidth (whichever is greater).   |                                |                |  |            |         |            |                                |                                |         |            |          |        |      |            |           |      |      |            |            |      |      |            |           |                     |  |         |       |             |      |      |
| Hopping Channel Number   | At least 15 channels.  |                                |                |  |            |         |            |                                |                                |         |            |          |        |      |            |           |      |      |            |            |      |      |            |           |                     |  |         |       |             |      |      |
| Dwell Time   | Not be greater than 0.4 seconds.   |                                |                |  |            |         |            |                                |                                |         |            |          |        |      |            |           |      |      |            |            |      |      |            |           |                     |  |         |       |             |      |      |
| Band-edge Emission<br><br>Conduction Spurious Emission                                     | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)). |                                |                |  |            |         |            |                                |                                |         |            |          |        |      |            |           |      |      |            |            |      |      |            |           |                     |  |         |       |             |      |      |
| Emissions in Restricted Frequency Bands<br><br>Emissions in Non-restricted Frequency Bands | <table><tr><th rowspan="2">Frequency (MHz)</th><th colspan="2">Limit (dBμV/m)</th><th rowspan="2">Detector</th></tr><tr><th>@ 3m</th><th>@ 10m</th></tr><tr><td>30 – 88</td><td>40.0</td><td>30.0</td><td>Quasi-peak</td></tr><tr><td>88 – 216</td><td>43.5</td><td>33.5</td><td>Quasi-peak</td></tr><tr><td>216 – 960</td><td>46.0</td><td>36.0</td><td>Quasi-peak</td></tr><tr><td>960 – 1000</td><td>54.0</td><td>44.0</td><td>Quasi-peak</td></tr></table> <p><b>Note:</b> The more stringent limit applies at transition frequencies.</p> <table><tr><th rowspan="2">Frequency</th><th colspan="2">Limit (dBμV/m) @ 3m</th></tr><tr><th>Average</th><th>Peake</th></tr><tr><td>Above 1 GHz</td><td>54.0</td><td>74.0</td></tr></table> <p><b>Note:</b> The measurement bandwidth shall be 1 MHz or greater.</p>   | Frequency (MHz)                | Limit (dBμV/m) |  | Detector   | @ 3m    | @ 10m      | 30 – 88                        | 40.0                           | 30.0    | Quasi-peak | 88 – 216 | 43.5   | 33.5 | Quasi-peak | 216 – 960 | 46.0 | 36.0 | Quasi-peak | 960 – 1000 | 54.0 | 44.0 | Quasi-peak | Frequency | Limit (dBμV/m) @ 3m |  | Average | Peake | Above 1 GHz | 54.0 | 74.0 |
| Frequency (MHz)  | Limit (dBμV/m)   |                                | Detector       |  |            |         |            |                                |                                |         |            |          |        |      |            |           |      |      |            |            |      |      |            |           |                     |  |         |       |             |      |      |
|  | @ 3m   | @ 10m                          |                |  |            |         |            |                                |                                |         |            |          |        |      |            |           |      |      |            |            |      |      |            |           |                     |  |         |       |             |      |      |
| 30 – 88  | 40.0   | 30.0                           | Quasi-peak     |  |            |         |            |                                |                                |         |            |          |        |      |            |           |      |      |            |            |      |      |            |           |                     |  |         |       |             |      |      |
| 88 – 216   | 43.5   | 33.5                           | Quasi-peak     |  |            |         |            |                                |                                |         |            |          |        |      |            |           |      |      |            |            |      |      |            |           |                     |  |         |       |             |      |      |
| 216 – 960  | 46.0   | 36.0                           | Quasi-peak     |  |            |         |            |                                |                                |         |            |          |        |      |            |           |      |      |            |            |      |      |            |           |                     |  |         |       |             |      |      |
| 960 – 1000   | 54.0   | 44.0                           | Quasi-peak     |  |            |         |            |                                |                                |         |            |          |        |      |            |           |      |      |            |            |      |      |            |           |                     |  |         |       |             |      |      |
| Frequency  | Limit (dBμV/m) @ 3m  |                                |                |  |            |         |            |                                |                                |         |            |          |        |      |            |           |      |      |            |            |      |      |            |           |                     |  |         |       |             |      |      |
|  | Average  | Peake                          |                |  |            |         |            |                                |                                |         |            |          |        |      |            |           |      |      |            |            |      |      |            |           |                     |  |         |       |             |      |      |
| Above 1 GHz  | 54.0   | 74.0                           |                |  |            |         |            |                                |                                |         |            |          |        |      |            |           |      |      |            |            |      |      |            |           |                     |  |         |       |             |      |      |

## 5.2 Test Result

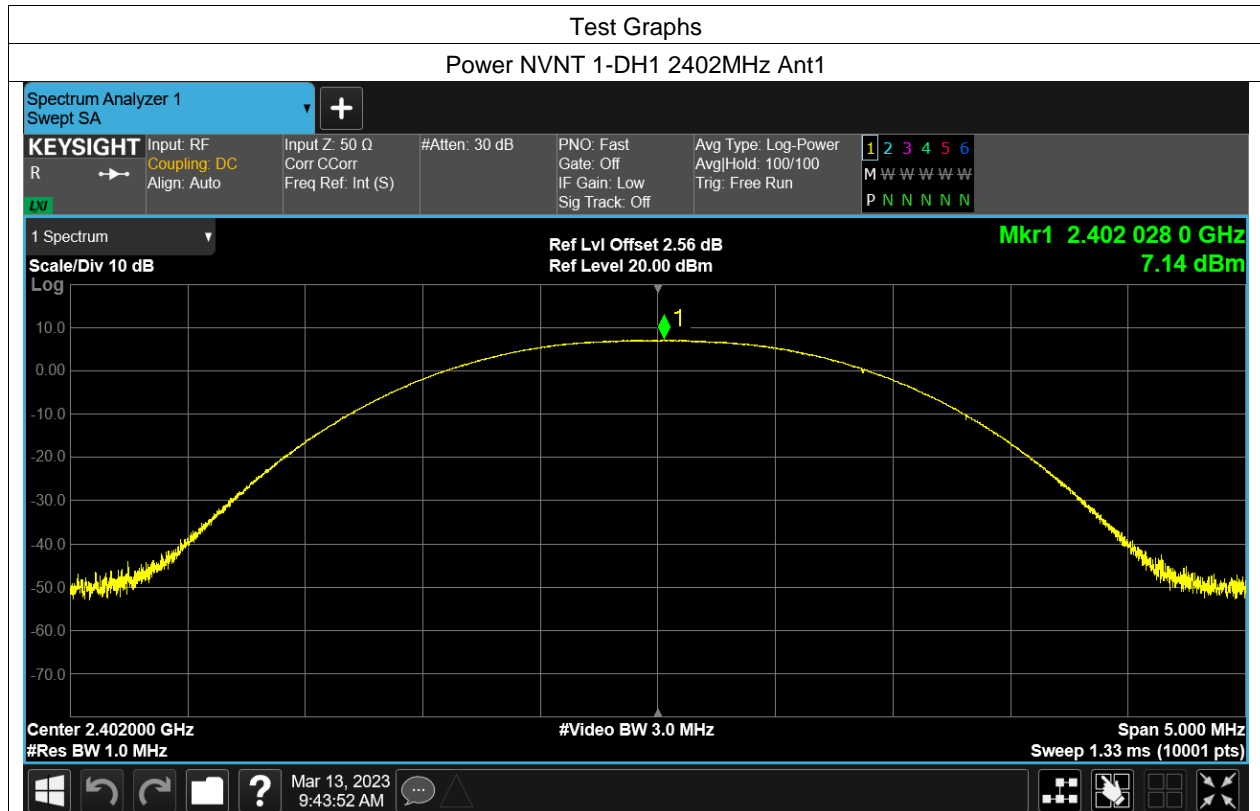
### 5.2.1 Radiated spurious emissions Spot-check

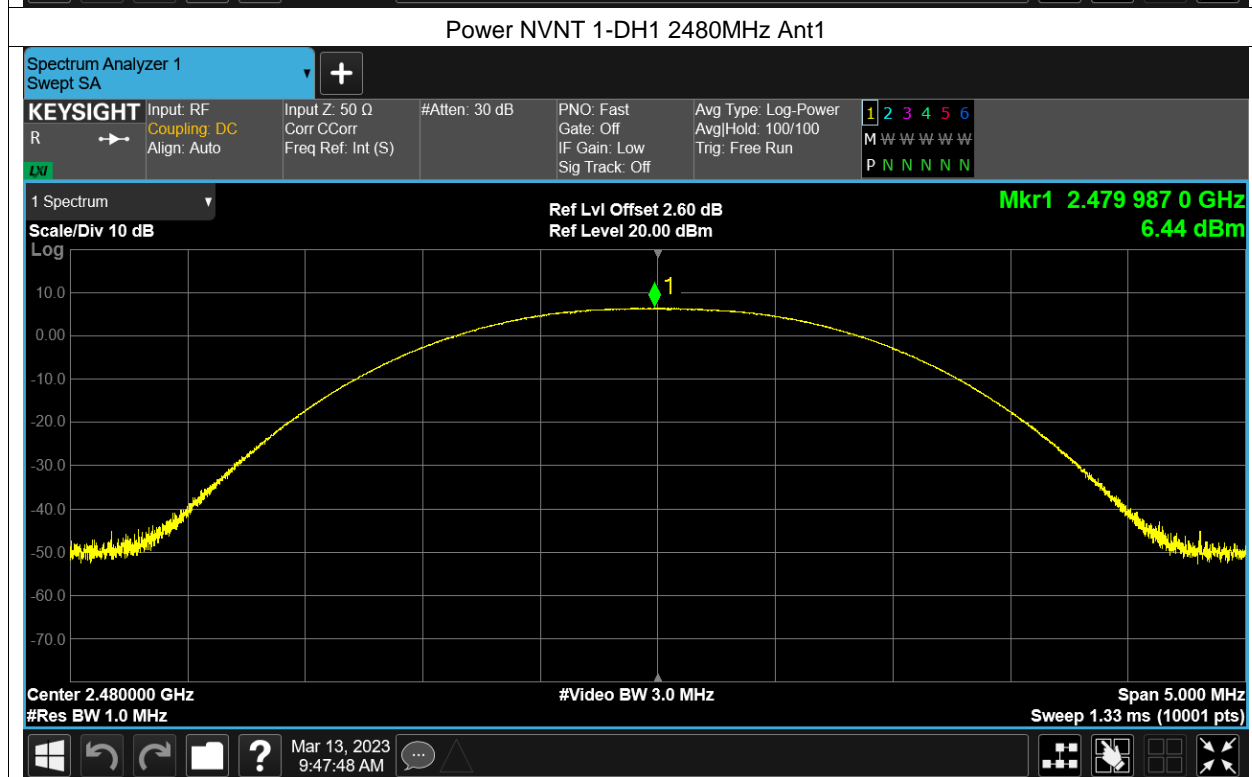
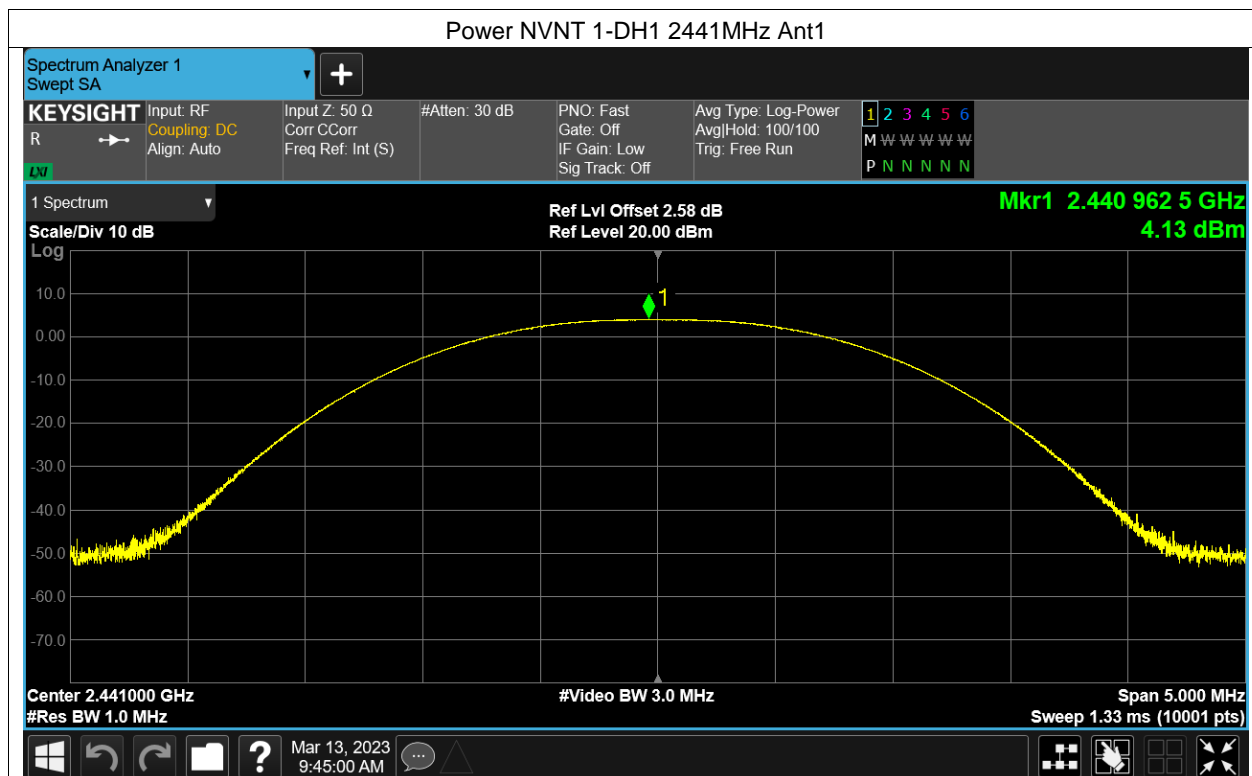
| Test channel: Lowest channel                     |                   |            |                |                |             |              |
|--|-------------------|------------|----------------|----------------|-------------|--------------|
| Detector: Peak Value                             |                   |            |                |                |             |              |
| Frequency (MHz)                                  | Read Level (dBuV) | Factor(dB) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Polarization |
| 4804.00  | 55.01             | -9.08      | 45.93          | 74.00          | 28.07       | Vertical     |
| 4804.00  | 55.07             | -9.08      | 45.99          | 74.00          | 28.01       | Horizontal   |
| Detector: Average Value                          |                   |            |                |                |             |              |
| Frequency (MHz)                                  | Read Level (dBuV) | Factor(dB) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Polarization |
| 4804.00  | 48.63             | -9.08      | 39.55          | 54.00          | 14.45       | Vertical     |
| 4804.00  | 48.44             | -9.08      | 39.36          | 54.00          | 14.64       | Horizontal   |
| <b>Remark:</b><br>1. $Level = Reading + Factor.$ |                   |            |                |                |             |              |

## 5.2.2 RF Output Power Spot-check

### Maximum Conducted Output Power

| Condition | Mode  | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|-------|-----------------|---------|-----------------------|-------------|---------|
| NVNT      | 1-DH1 | 2402            | Ant1    | 7.139                 | 30          | Pass    |
| NVNT      | 1-DH1 | 2441            | Ant1    | 4.134                 | 30          | Pass    |
| NVNT      | 1-DH1 | 2480            | Ant1    | 6.441                 | 30          | Pass    |





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