



Shenzhen CTL Testing Technology Co., Ltd.  
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# TEST REPORT

## FCC PART 15.247

Report Reference No. .... : CTL2501142011-WF02

Compiled by:  
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Tested by:  
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Yapeng Jin  
(Test Engineer)

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( position+printed name+signature)

Ivan Xie  
(Manager)



Product Name ..... : All Netcom Android module

Model/Type reference ..... : M201

List Model(s) ..... : M201-QVCT-2G16G

Trade Mark ..... : N/A

FCC ID ..... : 2BOIX-M201

Applicant's name ..... : Shanghai Mijia Electronics Technology Co., Ltd.

Address of applicant ..... : Room 307, 3rd Floor, Building 2, No. 359 Yinxi Road, Jiuting Town, Songjiang District, Shanghai, China

Test Firm ..... : Shenzhen CTL Testing Technology Co., Ltd.

Address of Test Firm ..... : Floor 1-A, Baisha Technology Park, No.3011, Shahexi Road, Nanshan District, Shenzhen, China 518055

Test specification ..... :

Standard ..... : FCC Part 15.247:Operation within the bands 902-928 MHz, 2400-2483.5 MHz and 5725-5850 MHz.

TRF Originator ..... : Shenzhen CTL Testing Technology Co., Ltd.

Master TRF ..... : Dated 2011-01

Date of receipt of test item ..... : Jan. 23, 2025

Date of Test Date ..... : Jan. 23, 2025-Mar. 20, 2025

Date of Issue ..... : Mar. 21, 2025

Result ..... : Pass

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# TEST REPORT

<b>Test Report No. :</b>	<b>CTL2501142011-WF02</b>	<b>Mar. 21, 2025</b>
		<b>Date of issue</b>

Equipment under Test : All Netcom Android module

Sample No : CTL2501142011

Model /Type : M201

Listed Models : M201-QVCT-2G16G

Applicant : **Shanghai Mijia Electronics Technology Co., Ltd.**

Address : Room 307, 3rd Floor, Building 2, No. 359 Yinxi Road, Jiuting Town, Songjiang District, Shanghai, China

Manufacturer : **Shenzhen Guoguan Electronics co., Ltd**

Address : 4 / F, building E, Xinxiang Industrial Zone, No. 157, Gushu 1st Road, Xixiang street, Bao'an District, Shenzhen, China

<b>Test result</b>	<b>Pass *</b>
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\* In the configuration tested, the EUT complied with the standards specified page 5.

The test results presented in this report relate only to the object tested.

This report shall not be reproduced, except in full, without the written approval of the issuing testing laboratory.

## \*\* Modified History \*\*

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## 1. SUMMARY

### 1.1. TEST STANDARDS

The tests were performed according to following standards:

[FCC Rules Part 15.247](#): Frequency Hopping, Direct Spread Spectrum and Hybrid Systems that are in operation within the bands of 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz

[ANSI C63.10:2013](#): American National Standard for Testing Unlicensed Wireless Devices

[KDB 558074 D01 v05r02](#): KDB558074 D01 15.247 Meas Guidance v05r02

### 1.2. Test Description

FCC PART 15.247		
FCC Part 15.207	AC Power Conducted Emission	PASS
FCC Part 15.247(a)(2)	6dB Bandwidth	PASS
FCC Part 15.247(d)	Spurious RF Conducted Emission	PASS
FCC Part 15.247(b)	Maximum Conducted Output Power	PASS
FCC Part 15.247(e)	Power Spectral Density	PASS
FCC Part 15.109/ 15.205/ 15.209	Radiated Emissions	PASS
FCC Part 15.247(d)	Band Edge	PASS
FCC Part 15.203/15.247 (b)	Antenna Requirement	PASS

## 1.3. Test Facility

### 1.3.1 Address of the test laboratory

Shenzhen CTL Testing Technology Co., Ltd.

Floor 1-A, Baisha Technology Park, No.3011 Shahexi Road, Nanshan District, Shenzhen, China 518055

There is one 3m semi-anechoic chamber and two line conducted labs for final test. The Test Sites meet the requirements in documents ANSI C63.10 and CISPR 32/EN 55032 requirements.

### 1.3.2 Laboratory accreditation

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

#### CNAS-Lab Code: L7497

Shenzhen CTL Testing Technology Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC 17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories.

#### A2LA-Lab Cert. No. 4343.01

Shenzhen CTL Testing Technology Co., Ltd, EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

#### IC Registration No.: 9618B

#### CAB identifier: CN0041

The 3m alternate test site of Shenzhen CTL Testing Technology Co., Ltd. EMC Laboratory has been registered by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements with Registration No.: 9618B.

#### FCC-Registration No.: 399832

#### Designation No.: CN1216

Shenzhen CTL Testing Technology Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 399832.

## 1.4. Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 "Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements" and is documented in the Shenzhen CTL Testing Technology Co., Ltd. quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for CTL laboratory is reported:

Test	Measurement Uncertainty	Notes
Transmitter power conducted	±0.57 dB	(1)
Transmitter power Radiated	±2.20 dB	(1)
Conducted spurious emission 9KHz-40 GHz	±2.20 dB	(1)
Occupied Bandwidth	±0.01ppm	(1)
Radiated Emission30~1000MHz	±4.10dB	(1)

Radiated Emission Above 1GHz	±4.32dB	(1)
Conducted Disturbance0.15~30MHz	±3.20dB	(1)

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k=1.96$ .

## 1.5. EUT configuration

The following peripheral devices and interface cables were connected during the measurement:

- - supplied by the manufacturer
- - supplied by the lab

○	Notebook Computer	Manufacturer :	Huawei Technologies Co Ltd
		Model No. :	KPL-W00
○	HUAWEI Super Charge	Manufacturer :	Huawei Technologies Co Ltd.
		Model No. :	HW-200200CP1
○	Air Switch	Manufacturer :	Chint Group Corp.
		Model No. :	NXB-63C32

## 2. GENERAL INFORMATION

### 2.1. Environmental conditions

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

Normal Temperature:	25°C
Relative Humidity:	55 %
Air Pressure:	101 kPa

### 2.2. General Description of EUT

Product Name:	All Netcom Android module
Model/Type reference:	M201
Power supply:	DC12V DC power supply
<b>Bluetooth LE</b>	
Supported type:	Bluetooth Low Energy
Modulation:	GFSK
Operation frequency:	2402MHz to 2480MHz
Channel number:	40
Channel separation:	2MHz
Antenna type:	PIFA Antenna
Antenna gain:	3.00dBi

Note1: For more details, please refer to the user's manual of the EUT.

Note2: Antenna gain provided by the applicant.

## 2.3. Description of Test Modes and Test Frequency

The Applicant provides communication tools software to control the EUT for staying in continuous transmitting and receiving mode for testing.

There are 40 channels provided to the EUT and Channel 00/19/39 were selected for BLE test.

### Operation Frequency List :

Channel	Frequency (MHz)
<b>00</b>	<b>2402</b>
02	2404
03	2406
:	:
<b>19</b>	<b>2440</b>
:	:
37	2476
38	2478
<b>39</b>	<b>2480</b>

Note: The line display in grey were the channel selected for testing

There were 2 test Modes. TM1 to TM2 were shown below:

TM1 : Operate in BLE mode;

TM2 : Idle mode;

\*\*\*Note:

1. All test modes were tested, but we only recorded the worst case in this report.

## 2.4. Equipments Used during the Test

Test Equipment	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Due Date
LISN	R&S	ESH2-Z5	860014/010	2024/04/30	2025/04/29
Double cone logarithmic antenna	Schwarzbeck	VULB 9168	824	2023/02/13	2026/02/12
EMI Test Receiver	R&S	ESCI	1166.5950.03	2024/04/30	2025/04/29
Spectrum Analyzer	Agilent	N9020A	US46220290	2024/05/02	2025/05/01
Spectrum Analyzer	Keysight	N9020A	MY53420874	2024/05/02	2025/05/01
Horn Antenna	Sunol Sciences Corp.	DRH-118	A062013	2024/12/21	2025/12/20
Active Loop Antenna	Da Ze	ZN30900A	/	2024/04/30	2025/04/29
Amplifier	Agilent	8449B	3008A02306	2024/04/30	2025/04/29
Amplifier	Brief&Smart	LNA-4018	2104197	2024/05/03	2025/05/02
Temperature/Humidity Meter	Ji Yu	MC501	/	2024/05/04	2025/05/03
Power measurement module	TSTPASS	TSPS2023R	TSCB220016	2024/05/03	2025/05/02
Power Sensor	Agilent	U2021XA	MY53340004	2024/05/04	2025/05/03
Power Sensor	Agilent	U2021XA	MY54080012	2024/05/03	2025/05/02
Spectrum Analyzer	RS	FSP	1164.4391.38	2024/05/03	2025/05/02
Test Software					
Name of Software		Version			
TST-PASS		V2.0			
EZ_EMC(Below 1GHz)		V1.1.4.2			
EZ_EMC((Above 1GHz)		V1.1.4.2			

## 2.5. Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended to comply with Section 15.247 of the FCC Part 15, Subpart C Rules.

## 2.6. Modifications

No modifications were implemented to meet testing criteria.

### 3. TEST CONDITIONS AND RESULTS

#### 3.1. Conducted Emissions Test

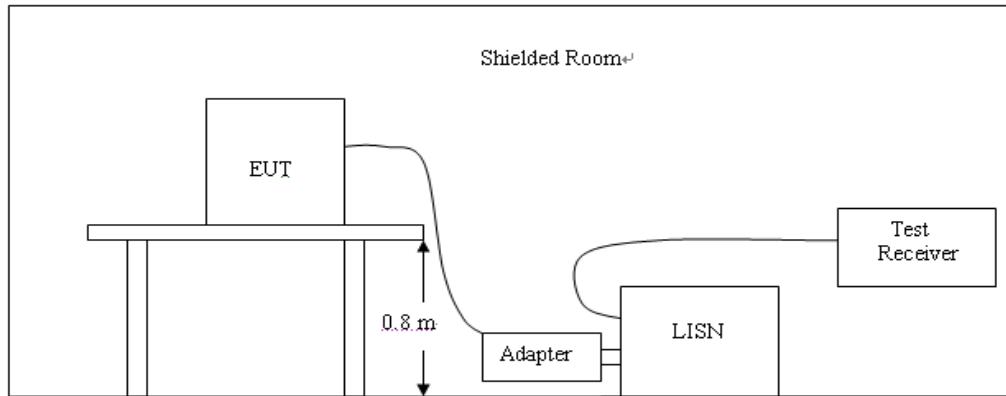
##### LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.207

Frequency range (MHz)	Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

\* Decreases with the logarithm of the frequency.

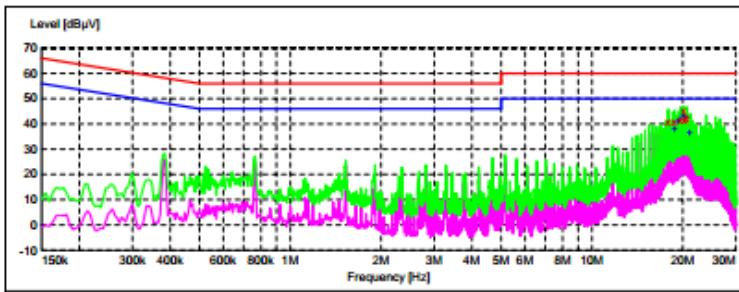
##### TEST CONFIGURATION

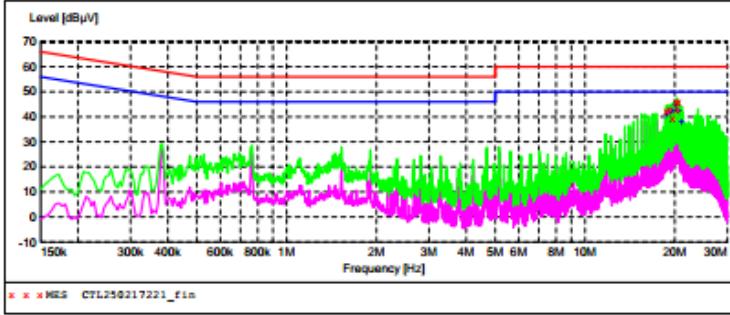


##### TEST PROCEDURE

1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system; a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10:2013.
2. Support equipment, if needed, was placed as per ANSI C63.10:2013.
3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10:2013.
4. The adapter received AC120V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
5. All support equipments received AC power from a second LISN, if any.
6. The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
7. Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.
8. During the above scans, the emissions were maximized by cable manipulation.

**TEST RESULTS**

Line:	L																																																																																																																
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<p><b>SCAN TABLE: "Voltage (9K-30M) FIN"</b> Short Description: 150K-30M Voltage</p>  <p>Level [dBpV]</p> <p>Frequency [Hz]</p> <p>xx x MLL CTL250217221_fin</p>																																																																																																																	
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### 3.2. Radiated Emissions and Band Edge

#### Limit

For intentional device, according to § 15.209(a), the general requirement of field strength of radiated emission out of authorized band shall not exceed the following table at a 3 meters measurement distance.

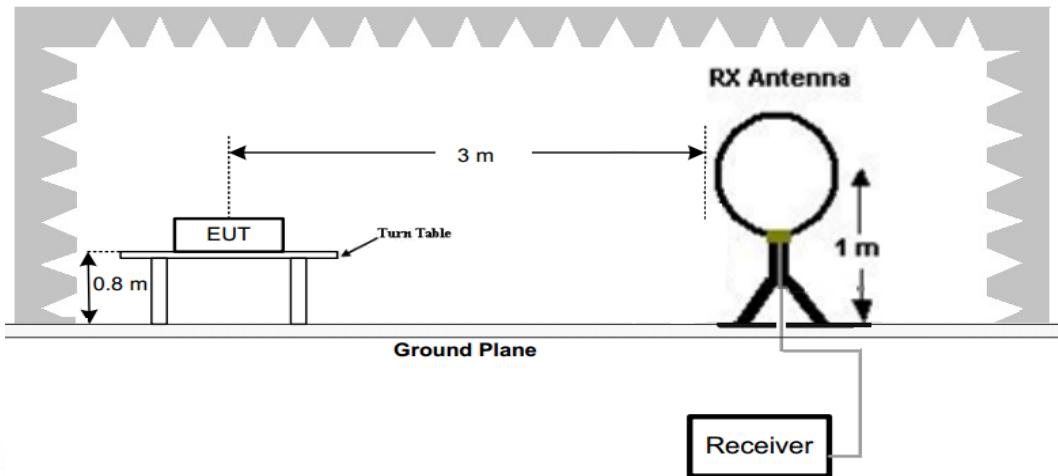
In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a)

Radiated emission limits

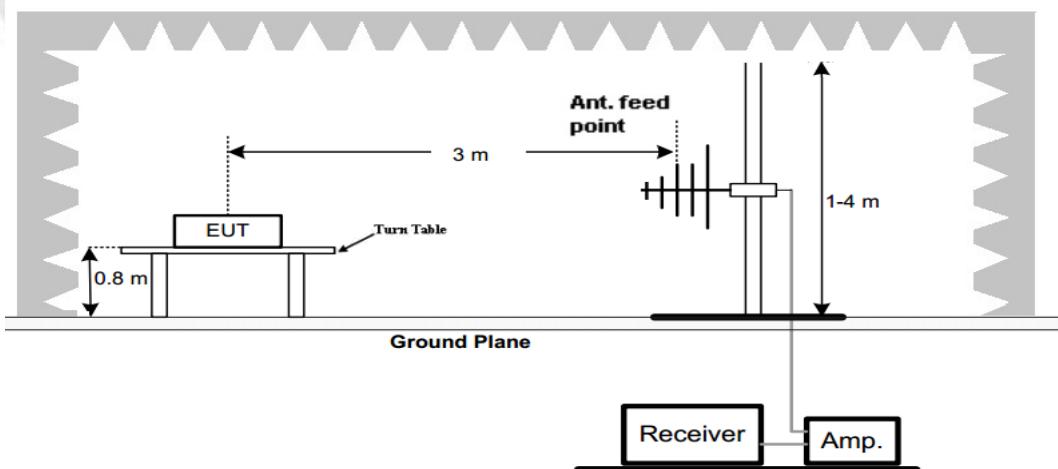
Frequency(MHz)	Distance(Meters)	Radiated(dB $\mu$ V/m)	Radiated( $\mu$ V/m)
0.009-0.49	3	$20\log(2400/F(\text{KHz}))+40\log(300/3)$	$2400/F(\text{KHz})$
0.49-1.705	3	$20\log(24000/F(\text{KHz}))+40\log(30/3)$	$24000/F(\text{KHz})$
1.705-30	3	$20\log(30)+40\log(30/3)$	30
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

#### TEST CONFIGURATION

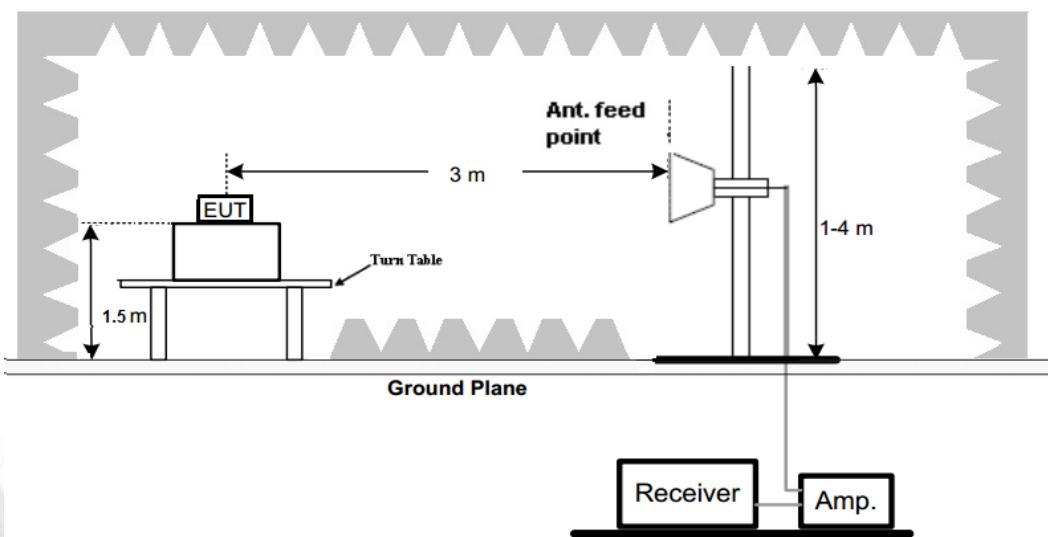
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz



(B) Radiated Emission Test Set-Up, Frequency below 1000MHz



(C) Radiated Emission Test Set-Up, Frequency above 1000MHz



### Test Procedure

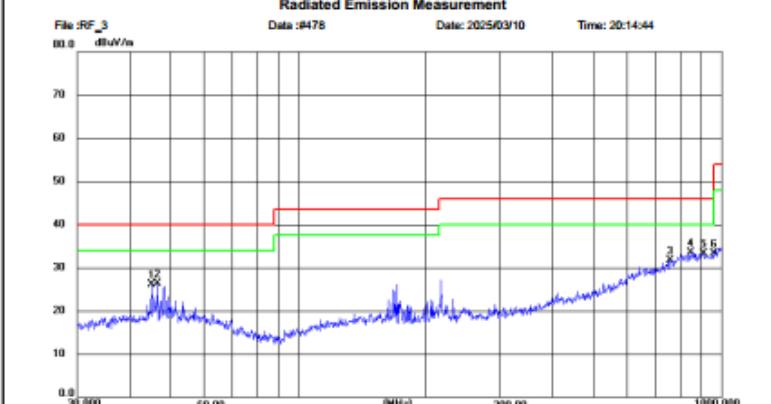
1. Below 1GHz measurement the EUT is placed on a turntable which is 0.8m above ground plane, and above 1GHz measurement EUT was placed on a low permittivity and low loss tangent turn table which is 1.5m above ground plane.
2. Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0°C to 360°C to acquire the highest emissions from EUT
3. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
4. Repeat above procedures until all frequency measurements have been completed.
5. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement –X, Y, and Z-plane. The X-plane results were found as the worst case and were shown in this report.

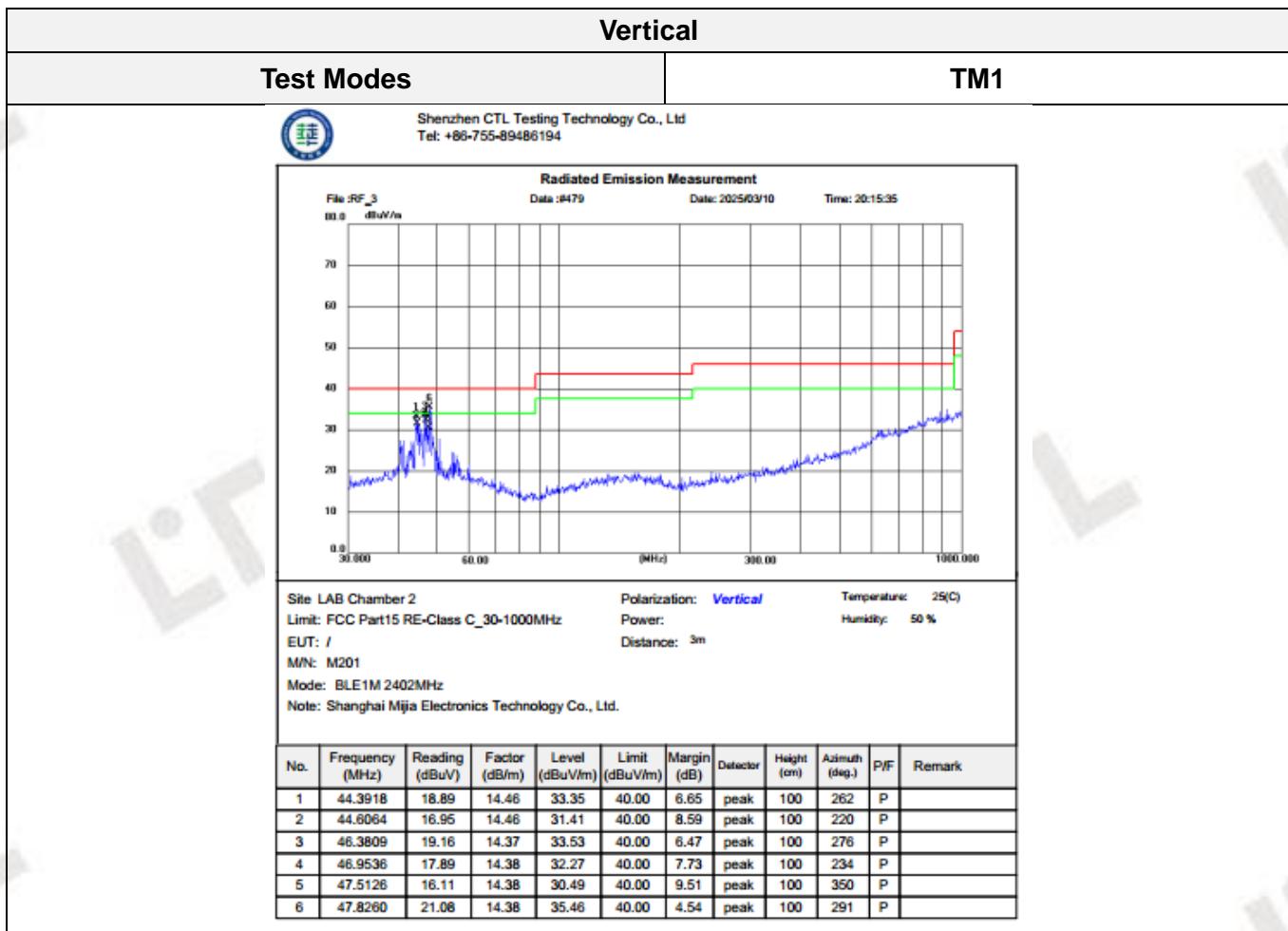
### TEST RESULTS

#### Remark:

1. For below 1GHz testing recorded worst at BLE low channel (Antenna 1).
2. Radiated emission test from 9 KHz to 10th harmonic of fundamental was verified, Found the emission level are attenuated 20dB below the limits from 9kHz to 30MHz, so it does not recorded in report.

For 30MHz-1GHz

Horizontal																																																																																															
Test Modes						TM1																																																																																									
 <p>Shenzhen CTL Testing Technology Co., Ltd Tel: +86-755-89486194</p> <p><b>Radiated Emission Measurement</b></p> <p>File : RF_3 Data : #478 Date: 2025/03/10 Time: 20:14:44</p>  <p>Site: LAB Chamber 2 Polarization: <b>Horizontal</b> Temperature: 25(C) Limit: FCC Part15 RE-Class C_30-1000MHz Power: 50 % EUT: / Distance: 3m MN: M201 Mode: BLE1M 2402MHz Note: Shanghai Mijia Electronics Technology Co., Ltd.</p> <table border="1"> <thead> <tr> <th>No.</th> <th>Frequency (MHz)</th> <th>Reading (dBuV)</th> <th>Factor (dB/m)</th> <th>Level (dBuV/m)</th> <th>Limit (dBuV/m)</th> <th>Margin (dB)</th> <th>Detector</th> <th>Height (cm)</th> <th>Azimuth (deg.)</th> <th>P/F</th> <th>Remark</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>44.9400</td> <td>11.66</td> <td>14.48</td> <td>26.12</td> <td>40.00</td> <td>13.88</td> <td>peak</td> <td>100</td> <td>327</td> <td>P</td> <td></td> </tr> <tr> <td>2</td> <td>46.3605</td> <td>11.88</td> <td>14.37</td> <td>26.25</td> <td>40.00</td> <td>13.75</td> <td>peak</td> <td>100</td> <td>285</td> <td>P</td> <td></td> </tr> <tr> <td>3</td> <td>756.0498</td> <td>7.17</td> <td>24.60</td> <td>31.77</td> <td>46.00</td> <td>14.23</td> <td>peak</td> <td>100</td> <td>360</td> <td>P</td> <td></td> </tr> <tr> <td>4</td> <td>846.1997</td> <td>7.25</td> <td>26.22</td> <td>33.47</td> <td>46.00</td> <td>12.53</td> <td>peak</td> <td>100</td> <td>356</td> <td>P</td> <td></td> </tr> <tr> <td>5</td> <td>910.4644</td> <td>6.65</td> <td>26.65</td> <td>33.30</td> <td>46.00</td> <td>12.70</td> <td>peak</td> <td>100</td> <td>40</td> <td>P</td> <td></td> </tr> <tr> <td>6</td> <td>960.0560</td> <td>6.04</td> <td>27.23</td> <td>33.27</td> <td>54.00</td> <td>20.73</td> <td>peak</td> <td>100</td> <td>356</td> <td>P</td> <td></td> </tr> </tbody> </table>												No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark	1	44.9400	11.66	14.48	26.12	40.00	13.88	peak	100	327	P		2	46.3605	11.88	14.37	26.25	40.00	13.75	peak	100	285	P		3	756.0498	7.17	24.60	31.77	46.00	14.23	peak	100	360	P		4	846.1997	7.25	26.22	33.47	46.00	12.53	peak	100	356	P		5	910.4644	6.65	26.65	33.30	46.00	12.70	peak	100	40	P		6	960.0560	6.04	27.23	33.27	54.00	20.73	peak	100	356	P	
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For 1GHz to 25GHz

BLE Mode (above 1GHz)



Remark: Level(dBuV/m)=Reading(dBuV)+Factor(dB/m)  
 Margin= Limit(dBuV/m)- Level(dBuV/m)



Remark: Level(dBuV/m)=Reading(dBuV)+Factor(dB/m)

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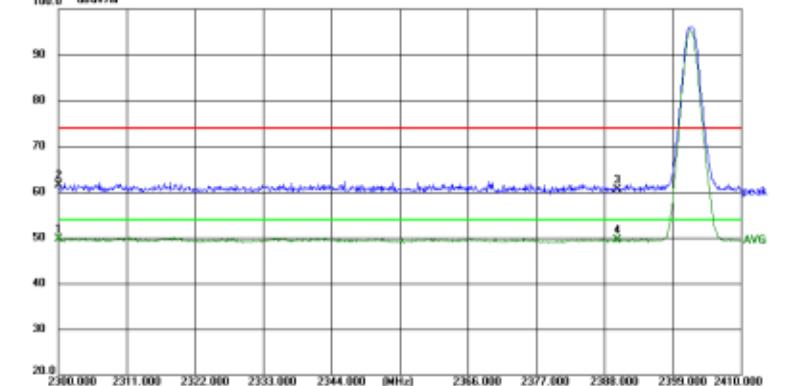
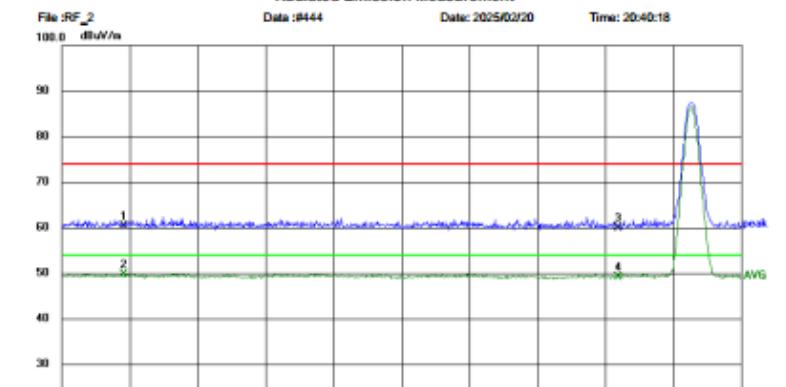
Remark: Level(dBuV/m)=Reading(dBuV)+Factor(dB/m)

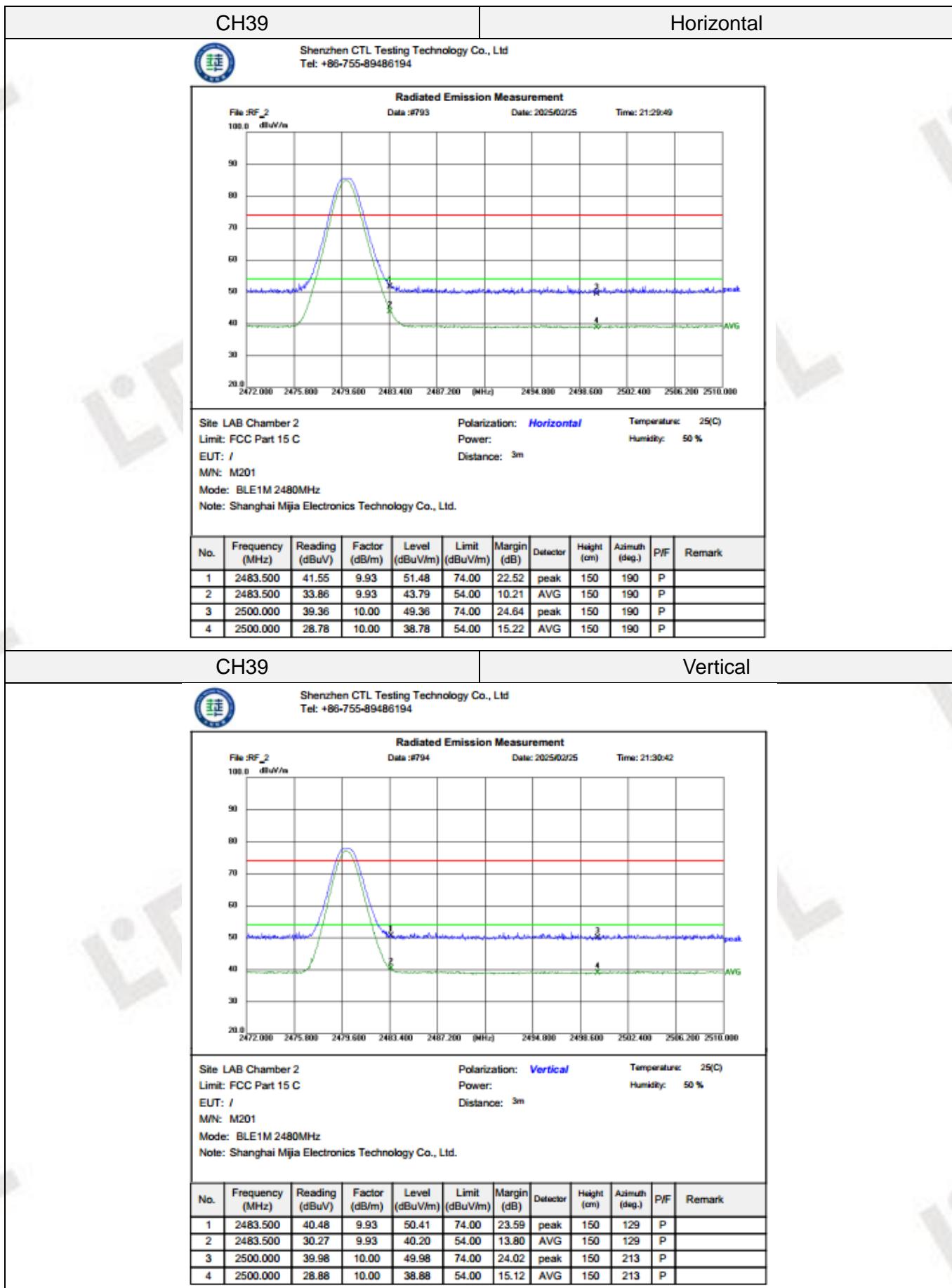
Margin= Limit(dBuV/m)- Level(dBuV/m)

## REMARKS:

1. Emission level (dB<sub>uV</sub>/m) = Raw Value (dB<sub>uV</sub>) + Correction Factor (dB/m)
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) - Pre-amplifier Factor
3. Margin value = Limit value - Emission level.
4. -- Mean the PK detector measured value is below average limit.
5. RBW1MHz VBW3MHz Peak detector is for PK value; RBW 1MHz VBW10Hz Peakdetector is for AV value.
6. Other emissions are attenuated 20dB below the limits from 9kHz to 30MHz, so it does not recorded in report.
7. 18GHz-26GHz not recorded for no spurious point have a margin of less than 6 dB with respect to the limits.

## ***Results of Band Edges Test (Radiated)***

CH00	Horizontal																																																																						
 <p style="text-align: center;">Shenzhen CTL Testing Technology Co., Ltd Tel: +86-755-89486194</p>																																																																							
<p style="text-align: center;"><b>Radiated Emission Measurement</b></p> <p style="text-align: center;">File: RF_2 Data: #8443 Date: 2025/02/20 Time: 20:38:57</p> 																																																																							
<p>Site: LAB Chamber 2      Polarization: <b>Horizontal</b>      Temperature: 25(C)      Limit: FCC Part 15 C      Power:      Humidity: 50 %      EUT: /      Distance: 3m      M/N: M201      Mode: BLE1M 2402MHz      Note: Shanghai Mija Electronics Technology Co., Ltd.</p>																																																																							
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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/I/F	Remark																																																												
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## REMARKS:

1. Emission level (dB<sub>uV</sub>/m) = Raw Value (dB<sub>uV</sub>) + Correction Factor (dB/m)
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) - Pre-amplifier Factor
3. Margin value = Limit value - Emission level.
4. -- Mean the PK detector measured value is below average limit.
5. RBW1MHz VBW3MHz Peak detector is for PK value; RBW 1MHz VBW10Hz Peakdetector is for AV value.
6. For fundamental frequency, RBW 3MHz VBW 3MHz Peak detector is for PKValue; RMS detector is for AV value.
7. Other emissions are attenuated 20dB below the limits from 9kHz to 30MHz, so it does not recorded in report.

### 3.3. Maximum Conducted Output Power

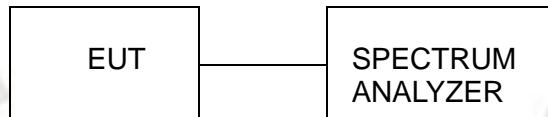
#### Limit

The Maximum Peak Output Power Measurement is 30dBm.

#### Test Procedure

Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the Spectrum Analyzer.

#### Test Configuration



#### Test Results

Raw data reference to Section 2 from CTL2501142011-WF02\_BLE\_Appendix.

### 3.4. Power Spectral Density

#### Limit

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

#### Test Procedure

1. Use this procedure when the maximum peak conducted output power in the fundamental emission is used to demonstrate compliance.
2. Set the RBW  $\geq$  3 kHz.
3. Set the VBW  $\geq 3 \times$  RBW.
4. Set the span to 1.5 times the DTS channel bandwidth.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum power level.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.
11. The resulting peak PSD level must be 8dBm.

#### Test Configuration



#### Test Results

Raw data reference to Section 3 from CTL2501142011-WF02\_BLE\_Appendix.

### 3.5. 6dB Bandwidth

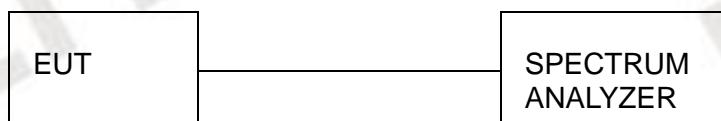
#### Limit

For digital modulation systems, the minimum 6 dB bandwidth shall be at least 500 kHz

#### Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100 KHz RBW and 300 KHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

#### Test Configuration



#### Test Results

Raw data reference to Section 1 from CTL2501142011-WF02\_BLE\_Appendix.

### 3.6. Out-of-band Emissions

#### Limit

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.

#### Test Procedure

Connect the transmitter output to spectrum analyzer using a low loss RF cable, and set the spectrum analyzer to RBW=100 kHz, VBW= 300 kHz, peak detector, and max hold. Measurements utilizing these setting are made of the in-band reference level, bandedge and out-of-band emissions.

#### Test Configuration



#### Test Results

Raw data reference to Section 4 from CTL2501142011-WF02\_BLE\_Appendix.

### 3.7. Antenna Requirement

#### Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203:

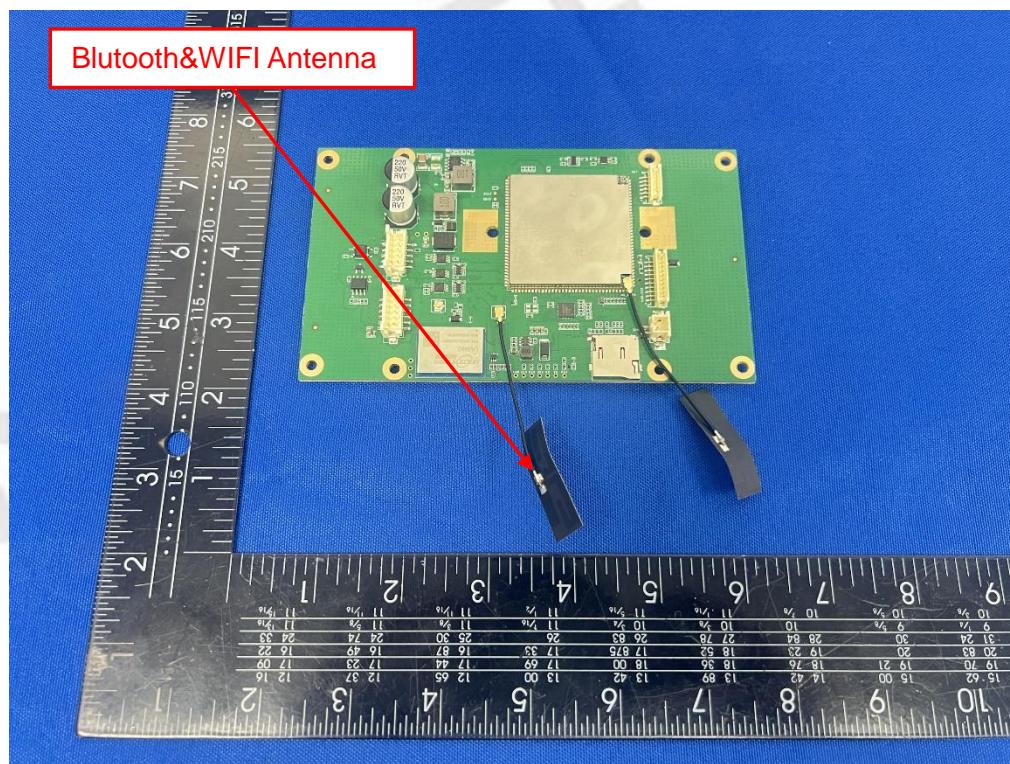
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited

**FCC CFR Title 47 Part 15 Subpart C Section 15.247(b) (4):**

(4) The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6dBi.

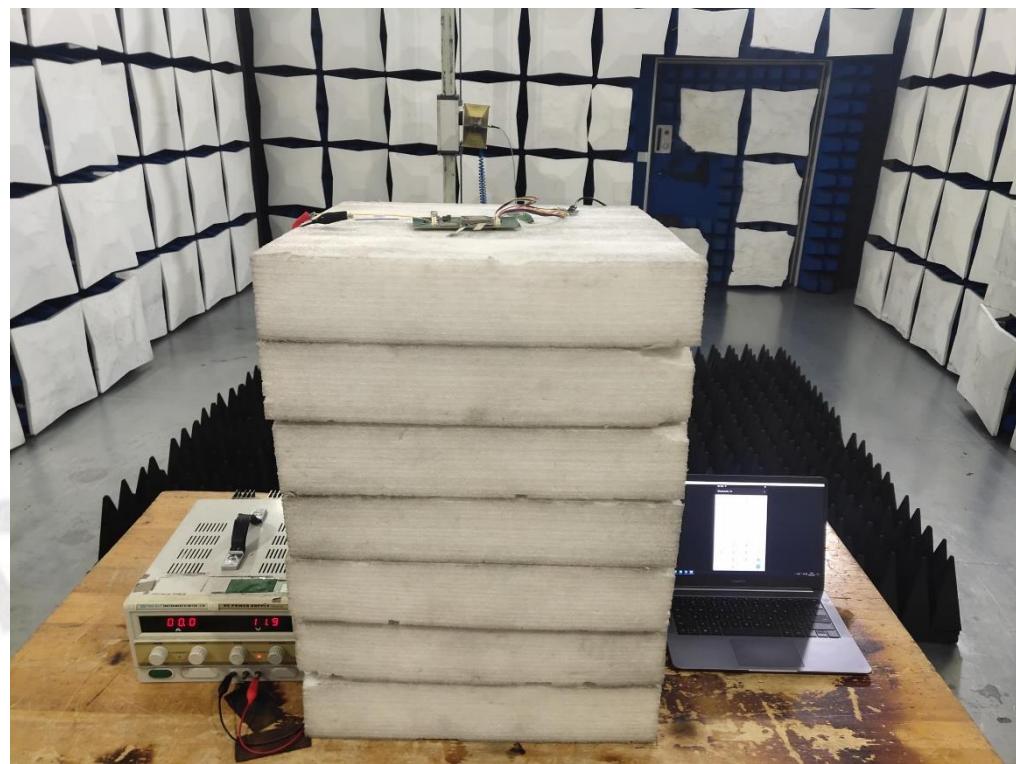
#### Test Result:

The maximum gain of Bluetooth Antenna was 3.00dBi.



## 4. Test Setup Photos of the EUT





## 5. External and Internal Photos of the EUT

Reference to the test report No.CTL2501142011-WF01

\*\*\*\*\* End of Report \*\*\*\*\*